

# z/OS Migrator

Version 8.0

## Message Guide

03

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## EFM0001I

```
EMC z/OS Migrator vv.r.m initializing.
```

**Cause**

z/OS Migrator has started the initialization process. z/OS Migrator execution continues.

*v.r.m* represents the "*version.release.modifier*" for the current maintained product level.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0002I

```
z/OS Migrator is now active.
```

**Cause**

z/OS Migrator is now active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0003I

```
z/OS Migrator is now cleaning up old environment.
```

**Cause**

z/OS Migrator is reinitializing any previously existing environments. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0004I

```
z/OS Migrator old environment located at location has been orphaned.
```

**Cause**

z/OS Migrator is reinitializing any previously existing environments. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0005I

```
z/OS Migrator is terminating.
```

**Cause**

z/OS Migrator has started the termination process.

**Detecting CSECT:** EFMMAIN

**Action**

None. This is an informational message.

## EFM0006I

```
z/OS Migrator now has a new environment active.
```

**Cause**

z/OS Migrator is now executing in a new environment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMAIN

**Action**

None. This is an informational message.

## EFM0007I

```
z/OS Migrator HOOK interface activation complete for "hook-name".
```

**Cause**

z/OS Migrator has completed the HOOK interface activation process. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0008I

```
z/OS Migrator HOOK interface deactivation complete for "hook-name".
```

**Cause**

z/OS Migrator has completed the HOOK interface deactivation process. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0009I**

`z/OS Migrator is waiting for service tasks to complete.`

**Cause**

z/OS Migrator is waiting for all of the service tasks to complete termination. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

**EFM0010I**

`z/OS Migrator communications task is active.`

**Cause**

z/OS Migrator communications task is active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0011I**

`z/OS Migrator communications task is terminating.`

**Cause**

z/OS Migrator communications task is terminating. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0012I**

`Shutdown request issued to service task: tsk-name.`

**Cause**

z/OS Migrator service task identified has been issued a shutdown request. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0013S

```
The command prefix (CPFX) value is invalid, the CPFX is: cpx.
```

**Cause**

z/OS Migrator is setting the command prefix (CPFX) with the specified length and value but found the value to be invalid. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0014S

```
ssid subsystem initialization failed.
```

**Cause**

z/OS Migrator failed when attempting to initialize the specified subsystem. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0015I

```
ssid subsystem initialized.
```

**Cause**

z/OS Migrator has successfully initialized the specified subsystem. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0016S

```
ssid NAME TOKEN services create function failed.
```

**Cause**

z/OS Migrator is terminating due to an error attempting to use the name token services to create a function the token for memory services.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0017S**

```
ssid Load failed for the cross memory routine.
```

**Cause**

z/OS Migrator is terminating due to an error attempting to load the cross memory routine.

**Detecting CSECT:** EFMMAIN

**Action**

-

**EFM0018I**

```
Processing execution parameters.
```

**Cause**

z/OS Migrator is now processing the parameters passed for execution. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMAIN

**Action**

None. This is an informational message.

**EFM0019S**

```
CPF registration failed. Return code return code reason code reason code.
```

**Cause**

z/OS Migrator failed to locate or register the command prefix. Possible values for the return and reason codes are:

Return code	Reason code	Meaning
04	04	Invalid command prefix.
04	0C	Prefix originally defined with FAILDISP=PURGE.
08	04	Prefix not found in CPF table at warm start.
08	08	Prefix already in use.
08	1C	CPF table does not exist at warm start.
0C	--	Probableabend.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0020I

Hook parameter processing is not currently implemented.

**Cause**

z/OS Migrator is now processing the parameters passed in the configuration file.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0021I

Processing all configuration file parameters.

**Cause**

z/OS Migrator is now processing the parameters passed in the configuration file.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0023S

ALESERV EXTRACTH failed. R15=return-code, R14=r14-data.

**Cause**

z/OS Migrator received a failure when attempting to extract the token for the home address space for the cross memory environment. The results of the failure are displayed.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-



## EFM0024S

Storage management usage counter error.

### Cause

z/OS Migrator received a failure when attempting to terminate the storage management routine. z/OS Migrator execution continues termination.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFM0025I

Processing execution parameters passed from address space creation.

### Cause

z/OS Migrator is now processing the parameters passed for execution from address space creation. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFM0026I

XDC Debugging is available and active.

### Cause

The External Debugging Component (XDC) is available and now active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFM0027I

XDC Debugging is not available or active.

### Cause

The External Debugging Component (XDC) is neither available nor active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFM0028I

```
Entering the configuration file process.
```

**Cause**

The configuration file process is being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0029I

```
The configuration file has been successfully opened.
```

**Cause**

In order to process the configuration file, an open function was successfully issued. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0030I

```
All configuration files that were previously allocated are being freed.
```

**Cause**

In order to process the configuration file, all previously allocated configuration files were freed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0031I

```
Entering the main initialization process.
```

**Cause**

The main initialization process is being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0032W

A refresh initialization process was specified but no active server was found.

**Cause**

No active server was found when a refresh request was specified. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None.

## EFM0033I

Reusing active subsystem interface.

**Cause**

z/OS Migrator is reusing a currently active subsystem interface. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0034I

Module EFMMPCR1 loaded at: *pcr1-loc* for a length of: *pcr1-len*.

**Cause**

z/OS Migrator has loaded the Program Call Routine at the specified location for the specified length. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0035I

Module EFMMPCR1 has been deleted.

**Cause**

z/OS Migrator has deleted the Program Call Routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0036I

```
Ensure the command prefix (CPFX) is set, the length is: cpfx-len and  
the CPFX is: cpfx.
```

**Cause**

z/OS Migrator is setting the command prefix (CPFX) with the specified length and value. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0037I

```
Entering the BLD_LCLBLOCK process.
```

**Cause**

The specified process is being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0038I

```
Deregister the command prefix (CPFX), the CPFX length is: cpfx-len  
while the CPFX is: cpfx.
```

**Cause**

z/OS Migrator has deregistered the specified command prefix (CPFX). z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0039I

```
Deregister the command prefix (CPFX), the CPFX length is: cpfx-len  
while the CPFX is: cpfx.
```

**Cause**

z/OS Migrator has de-registered the specified command prefix (CPFX). z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN****Action**

None. This is an informational message.

**EFM0040I**

Register the command prefix (CPFX), the CPFX length is: *cpfx-len* while the CPFX is: *cpfx*.

**Cause**

z/OS Migrator has registered the specified command prefix (CPFX). z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN****Action**

None. This is an informational message.

**EFM0041I**

Define the command prefix (CPFX), the CPFX length is: *cpfx-len* while the CPFX is: *cpfx*.

**Cause**

z/OS Migrator has defined the specified command prefix (CPFX). z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN****Action**

None. This is an informational message.

**EFM0042I**

Found an SSID that is: *ssid*, while the command prefix (CPFX) is: *cpfx*.

**Cause**

z/OS Migrator has found the subsystem interface with the assigned command prefix (CPFX). z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN****Action**

None. This is an informational message.

**EFM0043I**

The message system is now completely initialized within the created data space.

**Cause**

z/OS Migrator has completed initializing the data space with all system messages.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0044S

```
CPFX registration failed, bad CPFX characters for the command prefix  
(CPFX) were specified: cpfx.
```

**Cause**

z/OS Migrator has found the command prefix contained characters not in the range of X'41'-X'FE'. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure a valid command prefix is specified.

## EFM0045S

```
CPFX registration failed, for the command prefix (CPFX): cpfx the  
server-id contained bad characters: ssid.
```

**Cause**

z/OS Migrator has found the server ID contained characters not in the range of X'41'-X'FE'. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure a valid server ID is specified.

## EFM0046I

```
CPFX registration failed, for the command prefix of the length of:  
cpfx-len. The command prefix (CPFX) was: cpfx.
```

**Cause**

z/OS Migrator has found the command prefix failed its attempt for definition. If the FORCE option was specified, an attempt will be made to delete its current definition and reuse the CPFX requested, or else message EFM0047S will be issued.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure an unused command prefix is specified.

## EFM0047S

```
CPFX registration failed, for the command prefix of the length of:  
cpfx-len. The command prefix (CPFX): cpfx was already defined.
```

**Cause**

z/OS Migrator has found the command prefix already in use. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure an unused command prefix is specified.

## EFM0048S

```
CPFX registration failed, as it is a subset of an existing command  
prefix.
```

**Cause**

z/OS Migrator has found the command prefix already in use. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure an unused command prefix is specified.

## EFM0049S

```
CPFX registration failed, as it is a superset of an existing command  
prefix.
```

**Cause**

z/OS Migrator has found the command prefix already in use. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure an unused command prefix is specified.

## EFM0050I

```
The command prefix has a length of: cpfx-len. The command prefix  
(CPFX) was: cpfx.
```

**Cause**

z/OS Migrator has defined the command prefix. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure an unused command prefix is specified.

## EFM0051I

```
Freeing the old Resource Manager at: rm01-loc.
```

**Cause**

z/OS Migrator found an old Resource Manager (RM01) at the specified location. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a different server ID is specified in the configuration file.

## EFM0052E

```
Error freeing the Resource Manager, R15: return-code.
```

**Cause**

z/OS Migrator has found a failure attempting to free the resource manager. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMMAIN

**Action**

-

## EFM0053I

```
Storage Manager Vector Table is located at: r5-data.
```

**Cause**

z/OS Migrator is performing a cleanup function of the storage manager vector table located at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMMAIN

**Action**

None. This is an informational message.

## EFM0054I

```
Cleanup of the Storage Manager is complete.
```

**Cause**

z/OS Migrator has completed the cleanup of the storage manager. z/OS Migrator execution continues.



**Action**

None. This is an informational message.

**EFM0055I**

The configuration file is closed.

**Cause**

z/OS Migrator has closed the configuration file. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

**EFM0056I**

Processing the command prefix (CPFX) parameters, the length is: *cpfx-len* and the CPFX is: *cpfx*.

**Cause**

z/OS Migrator is setting the command prefix (CPFX) with the specified length and value. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

**EFM0057S**

The dsname specified for the PARMLIB=*parameter* is longer than 44 characters.

**Cause**

z/OS Migrator is processing the PARMLIB=*parameter* and the specified length of the dataset name is longer than allowed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0058S**

The member name specified for the PARMLIB=*parameter* is longer than eight characters.

**Cause**

z/OS Migrator is processing the PARMLIB=*parameter* and the specified length of the member name is longer than allowed.

**Detecting CSECT:** EFMMMAIN

**Action**

z/OS Migrator execution terminates. Correct PARMLIB parameter and retry.

## EFM0059S

The specified length of the LPMFX parameter is either zero or longer than 32 characters.

**Cause**

z/OS Migrator is processing the LPMFX parameter and the specified length is either zero or is longer than allowed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0060I

Storage Pool header: *p1-data*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0061I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0062I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0063I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0064I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0065I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0066I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0067I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0068I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0069I

*p1-data p2-data p3-data p4-data.*

**Cause**

z/OS Migrator has displayed storage manager pool information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0070S

*The specified length of the dataset name of the DBASE parameter is either zero or longer than 44 characters.*

**Cause**

z/OS Migrator is processing the DBASE parameter and the specified length is either zero or is longer than allowed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0071S

Your authorization code has expired.

**Cause**

z/OS Migrator has terminated execution because your authorization has expired.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0072I

Entering BLD\_GLOBAL\_CBS routine.

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0073I

Reusing the Global Control Block at: r8-data.

**Cause**

z/OS Migrator is reusing the control block at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0074I

The flag passed is: flag1-data for the system: sid-data.

**Cause**

z/OS Migrator is using the specified flag for the indicated system. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0075I

The Global Control Block is located at: *loc-data*.

**Cause**

The control block is located at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0076S

Insufficient CSA storage to allocate the Global Control Block.

**Cause**

z/OS Migrator is terminating due to insufficient storage in the Common Storage Area (CSA) subpool.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0077I

The load of the *module name-data* was successful at address: *addr-data*.

**Cause**

The load of the displayed module was successful. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0078I

The return code was: *ret-code* the length was: *length* and the location was: *loc-data*.

**Cause**

The load of the displayed module completed successfully with the displayed return code, at the specified location with the displayed length of the module named. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

**EFM0079S**

The load failed for module: *mod-name* failed with a *return code* of 12, and R14: *r14-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0080S**

The load failed for module: *mod-name* R15: *return-code* R14: *r14-data* REX: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0081S**

The load failed for module: *mod-name* the STORAGE OBTAIN RC: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0082S**

The load failed for module: *mod-name* R15: *return-code* R14: *r14-data* REX: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0083I

Entering the FREE\_GLOBAL\_CBS routine with the global block: *gbl-data*.

**Cause**

The named routine is being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0084I

Freeing the Global Control Block: *gbl-data*.

**Cause**

The Global Control Block is being freed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0085I

Entering the FREE\_GDEVPOOL routine with the global block: *gbl-data*.

**Cause**

The named is routine being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0086I

Freeing the GDEV POOL at: *r6-data*.

**Cause**

The named control block is being freed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.



## EFM0087I

```
Entering the FREE_GDEVINDX routine with the global block: gbl-data.
```

**Cause**

The named is routine being entered. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0088I

```
Freeing the Leaf Segment at: r7-data.
```

**Cause**

The named control block is being freed. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMMAIN

**Action**

None. This is an informational message.

## EFM0089I

```
Freeing the Base Segment at: r6-data.
```

**Cause**

The named control block is being freed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0090I

```
Purge I/O Operation failed, condition code: cc-data and R15: return-code.
```

**Cause**

A purge I/O operation failed with the displayed diagnostic information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0091I

Refresh address space creation, command length is: *cmd-len* and parameter length: *prm-data*.

**Cause**

A refresh of the address space has occurred. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0092I

A command has been issued.

**Cause**

A command has been issued. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0093I

Refresh address space creation, return code: *return-code* and reason code: *r14-data*.

**Cause**

A refresh of the address space has occurred. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0094S

Refresh address space creation returned an error, return code: *return-code* and reason code: *r14-data*.

**Cause**

A refresh of the address space completed with an error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0095S

The diagnostic information for the preceding message is: *word1-data word2-data word3-data word4-data word5-data word6-data*

### Cause

A refresh of the address space completed with an error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFM0096S

A refresh command is only valid for a started task.

### Cause

A refresh command can only be issued for a started task. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFM0097S

EFMMCOM task has abended.

### Cause

z/OS Migrator is terminating execution due to an abend in the communications task.

**Detecting CSECT:** EFMMCOMM

### Action

-

## EFM0098I

The communications task woke up to process functions, but no ECBs have been posted.

### Cause

z/OS Migrator is continuing to wait for functions to be performed by the communications task. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

### Action

None. This is an informational message.

## EFM0099I

The communications task is entering the PROC\_CMDS\_MODIFY routine.

**Cause**

z/OS Migrator is entering the named process. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0100S

EFMMMAIN is terminating because the program is not APF authorized.

**Cause**

z/OS Migrator is terminating due to a lack of APF authorization. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that the STEPLIB or the load library containing the z/OS Migrator system is an authorized load library.

## EFM0101S

Insufficient storage to allocate the local block.

**Cause**

z/OS Migrator is terminating execution due to lack of virtual storage in the address space.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0102S

z/OS Migrator is already active on this LPAR.

**Cause**

z/OS Migrator is terminating because it is already active on this LPAR.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0103S

An error occurred when attempting to create the new Subsystem Control Table (SSCT).

**Cause**

z/OS Migrator is terminating due to the inability to create the new Subsystem Control Table (SSCT).

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0104S

Insufficient storage to allocate the Subsystem Control Table (SSCT) in CSA.

**Cause**

z/OS Migrator is terminating due to lack of virtual storage in the common storage area (CSA).

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0106S

An open function for the CONFIG DD statement failed.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of CONFIG is placed into the server JCL.

## EFM0107S

Unable to parse statement in the configuration file due to invalid syntax.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0109S

Configuration file error found on line: *line-number*.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMAIN

**Action**

-

## EFM0110S

EFMMAIN task has abended.

**Cause**

z/OS Migrator is terminating due to an abend.

**Detecting CSECT:** EFMMAIN

**Action**

-

## EFM0111S

Initialization failure: LMPFX value mismatch

**Cause**

z/OS Migrator is terminating due to an error in the configuration file. The LMPFX parameter in the configuration file differs from the value that is currently in use. This message is followed by EFM0112I.

**Detecting CSECT:** EFMMAIN

**Action**

Modify the configuration file so that the LMPFX specification is identical across all systems. If you wish to change this value, close down all the servers and execute the z/OS Migrator data base utility program, EFMMDBUT, with a control statement:

DELETE SYSTEM.OPTIONS

## EFM0112I

Acceptable LMPFX value is *lmpfx*

**Cause**

z/OS Migrator has detected that the value specified for LMPFX in the configuration file for this z/OS Migrator server differs from the value that was previously stored in

the database. This message displays the only acceptable value for the LMPFX parameter.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Respond to the preceding message EFM111S.

## EFM0113S

Initialization failure: Unable to read the OPTIONS record

**Cause**

z/OS Migrator attempted to read the OPTIONS record in order to validate the option values in the configuration file. An error occurred while reading the record from the z/OS Migrator database. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0114S

Initialization failure: Cannot do WARM start with new database

**Cause**

A WARM start has been attempted for z/OS Migrator; however, a newly initialized z/OS Migrator database has been detected by the software.

**Detecting CSECT:** EFMMMAIN

**Action**

When an initialized database is specified, z/OS Migrator requires a COLD start to be performed.

A WARM start of z/OS Migrator implies that prior data structures and control blocks are to be retained from the last run of z/OS Migrator for use in the current run of z/OS Migrator. As z/OS Migrator stores some of its processing information in z/OS common storage and some in the product database, a newly initialized database prohibits this type of startup as corresponding database information would be unavailable.

## EFM0115S

The Symmetrix Control Facility (SCF) is not available.

**Cause**

z/OS Migrator is terminating due to the lack of the Symmetrix Control Facility.

**Detecting CSECT:** EFMMUTIL

**Action**

Ensure that SCF is started.

## EFM0117S

```
EFMMHOOK call failed. The function code was: func-code, R15: return-code R0: r0-data
```

**Cause**

z/OS Migrator is terminating due to an error in the indicated routine.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0120S

```
Environment refresh failed, and the original environment is still active.
```

**Cause**

z/OS Migrator is terminating due to an error in the refresh of the environment.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0122S

```
The HOOK interface for the identified module could not be activated:  
hook-name
```

**Cause**

z/OS Migrator is terminating due to an error in the hook interface activation process.

**Detecting CSECT:** EFMMCOMM

**Action**

-

## EFM0123S

```
The HOOK interface for the identified module could not be  
deactivated: hook-name
```

**Cause**

z/OS Migrator is terminating due to an error in the hook interface deactivation process.



**Detecting CSECT:** EFMMCOMM

**Action**

-

## EFM0124S

Invalid hook module name supplied: *hook-name*

**Cause**

The hook name supplied in an activate or deactivate command is not recognized by the EFMMHOOK module. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCOMM

**Action**

-

## EFM0126S

Attach for task *tsk-name* failed with a return code: *return-code*.

**Cause**

z/OS Migrator is terminating due to an error when attempting to attach the indicated task with the indicated error.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0127E

Detach for task *tsk-name* failed with a return code: *return-code* and R0: *r0-data*.

**Cause**

z/OS Migrator is terminating due to an error when attempting to detach the indicated task with the indicated error.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0129S

Task *tsk-name* never completed.

**Cause**

z/OS Migrator waited for the specified service task to complete termination and it did not complete within an allocated amount of time. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0130E

Missing Interrupt Handler module *module-name* could not be located.

**Cause**

z/OS Migrator received an error when attempting to locate the module for the missing interrupt handler component. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

-

## EFM0131E

Unknown load error for the Missing Interrupt Handler module: *module*  
RC: *rc-code* RS: *rs-code*.

**Cause**

z/OS Migrator received an error when attempting to load the module for the missing interrupt handler component. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

-

## EFM0132E

Load of Missing Interrupt Handler module *module-name* could not be loaded due to insufficient storage.

**Cause**

z/OS Migrator received an error when attempting to load the module for the missing interrupt handler component. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

-

## EFM0136S

Storage obtain failed for STGPOOL.

**Cause**

z/OS Migrator is terminating due to an error in the initialization of the storage manager STGPOOL.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0137W**

STGPOOL invalid values (Virtual+Real).

**Cause**

z/OS Migrator is terminating due to an error in the initialization of the storage manager STGPOOL.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0138S**

The storage manager initialization routine failed, R15: *return-code*  
R1: *r1-data*.

**Cause**

z/OS Migrator is terminating due to an error in the initialization of the storage manager.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0139W**

No STGPOOL statements specified.

**Cause**

z/OS Migrator continues initialization.

**Detecting CSECT:** EFMMMAIN

**Action**

None.

**EFM0141I**

The storage manager initialization routine completed.

**Cause**

z/OS Migrator has completed initialization. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0142S

The CONFIG file was not specified.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of CONFIG is placed into the server JCL.

## EFM0143S

The CONFIG file member was specified.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a member name of the configuration file to be used is specified.

## EFM0144S

An error occurred when attempting to allocate the configuration file.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of CONFIG is placed into the server JCL.

## EFM0145S

The load failed for module: *mod-name* R15: *return-code* R14: *r14-data*  
REX: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0146S**

The BLDL failed for module: *mod-name* with the return code: *return-code*

**Cause**

Rexx-data information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0147S**

Server ID *ssid* is already in use.

**Cause**

z/OS Migrator is terminating due to an error attempting to use the server ID specified that is already being used.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a different server ID is specified in the configuration file.

**EFM0148W**

Your authorization code will expire in less than 30 days.

**Cause**

z/OS Migrator continues execution.

**Detecting CSECT:** EFMMMAIN

**Action**

None.

**EFM0149S**

Your z/OS Migrator authorization code has expired.

**Cause**

z/OS Migrator is terminating due to the expiration of your authorization code.

**Detecting CSECT: EFMMMAIN**

**Action**

-

## EFM0150I

```
Symmetrix Control Facility (SCF) verification error, the results are:  
R15=return-code, RC/RS=err-data.
```

**Cause**

z/OS Migrator is attempting to validate the Symmetrix Control Facility (SCF) interface and the verification process failed. z/OS Migrator execution terminates.

**Detecting CSECT: EFMMMAIN**

**Action**

None. This is an informational message.

## EFM0151I

```
Symmetrix Control Facility (SCF) is not active.
```

**Cause**

z/OS Migrator is attempting to validate the Symmetrix Control Facility (SCF) interface and the interface is not active. z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN**

**Action**

None. This is an informational message.

## EFM0152I

```
Symmetrix Control Facility (SCF) is not at a valid or supported  
version.
```

**Cause**

z/OS Migrator is attempting to validate the Symmetrix Control Facility (SCF) interface and the interface is not at a valid or supported version. z/OS Migrator execution continues.

**Detecting CSECT: EFMMMAIN**

**Action**

None. This is an informational message.

## EFM0153S

```
z/OS Migrator is not authorized for execution.
```

**Cause**

z/OS Migrator is terminating due to a lack of product authorization.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0154S

Feature Authorization Error; the RC/RS is: *err-data*.

**Cause**

z/OS Migrator is attempting to validate the Symmetrix Control Facility (SCF) interface and the interface is not at a valid or supported version. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0158W

SUSPEND converted to DEACTIVATE due to option DEACTONSUSP.

**Cause**

z/OS Migrator has converted the suspend command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None.

## EFM0159I

Deleting group *group* from the data base.

**Cause**

z/OS Migrator has deleted the specified group from the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0160E

Group *group* not found.

**Cause**

z/OS Migrator has not suspended the group indicated, as the group was not found.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0161E

Data base open failed for the owner of group *group*.

**Cause**

z/OS Migrator has an error opening the database for the owner of the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0162E

Data base find failed for the group directory of group *group*.

**Cause**

z/OS Migrator has an error finding the database directory of the group indicated.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0163E

Data base read failed for the group directory of group *group*.

**Cause**

z/OS Migrator has an error reading the database directory of the group indicated.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-



## EFM0164E

Data Base read failed for the update of the group directory of group *group*.

**Cause**

z/OS Migrator has a read error reading the update of the database directory of the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0165E

Data base STOW failed for the update of the group directory of group *group*.

**Cause**

z/OS Migrator has an STOW error during the update of the database directory of the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0166E

Data base delete failed for the update of the group directory of group *group*.

**Cause**

z/OS Migrator has an error during the delete of the database directory of the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0167W

Heartbeat found group *group* active.

**Cause**

z/OS Migrator heartbeat task found the indicated group still active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None.

## EFM0168I

```
Heartbeat task issuing CONGROUP capture for group group.
```

**Cause**

z/OS Migrator is entering the capturing information for the specified group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0169I

```
Heartbeat task is waiting for group group on numsys of allsys  
system(s).
```

**Cause**

z/OS Migrator is waiting for the group indicated on the specified system or systems. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0170I

```
Heartbeat task is now activating group group on numsys system(s).
```

**Cause**

z/OS Migrator is activating the group indicated on the specified system or systems. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0171E

```
IEAMSCHD Macro failed: synchcomp, synchcode, synchrsn.
```

**Cause**

z/OS Migrator is checking the jobs in this system that are allocated to datasets in a diverted group. The routine that is scheduled into the address spaces of the allocating jobs has failed.

z/OS Migrator execution continues; however, the group will not progress from diverted to complete on this system.

**Detecting CSECT:** EFMMTRMC

**Action**

Shut down the applications that are allocated to the datasets being migrated and issue the “complete group” command, to redrive the allocation check routine.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0172E

```
IEAMSCHD Macro failed for job jobname. Return code: return-code.
```

**Cause**

z/OS Migrator is checking the jobs in this system that are allocated to datasets in a diverted group. The IEAMSCHD macro used to schedule the scan routine into application address spaces set an unexpected return code.

z/OS Migrator execution continues; however, the group will not progress from diverted to complete on this system.

**Detecting CSECT:** EFMMTRMC

**Action**

Shut down the application named in the message and issue the complete group command, to redrive the allocation check routine.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID. If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0173E

```
SWA scan routine failed for job jobname.
```

**Cause**

z/OS Migrator is checking the jobs in this system that are allocated to datasets in a diverted group. The routine that was scheduled into the address spaces of the name application failed to extract and analyze the scheduler work area (SWA) storage.

z/OS Migrator execution continues; however, the group will not progress from diverted to complete on this system.

**Detecting CSECT:** EFMMTRMC

**Action**

Shut down the application named in the message and issue the “complete group” command, to redrive the allocation check routine.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0174E

Common data space allocation failure.

### Cause

The data space has not been created due to a failure. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCMNI

### Action

-

## EFM0176E

Common data space delete failure.

### Cause

The data space has not been deleted due to a failure. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCMND

### Action

-

## EFM0177E

GQSCAN failure in completion check routine. R15: *return-code*, R0: *reason-code*.

### Cause

The diversion/completion checker module is attempting to find the address spaces that might still be allocated to dataset source volumes for a group. The GQSCAN macro failed.

z/OS Migrator execution continues. The group will not automatically complete.

**Detecting CSECT:** EFMMTRMC

### Action

-

## EFM0178E

Could not schedule address space cleanup processing for *jobname* RC: *ret-code*.

**Cause**

The termination routine could not schedule proper address space cleanup for the indicated job due to the return code specified. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTRMF

**Action**

-

**EFM0179E**

Could not schedule task cleanup processing for *jobname* RC: *ret-code*.

**Cause**

The termination routine could not schedule proper cleanup of a task up for the indicated job due to the return code specified. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTRMF

**Action**

-

**EFM0181I**

The return code from the z/OS Migrator parse routine was: *return-code*.

**Cause**

z/OS Migrator is attempting to parse the parameters in the configuration file. The return code is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

**EFM0182S**

An error occurred in the z/OS Migrator parse routine with an action of *action-code*.

**Cause**

z/OS Migrator is attempting to parse the parameters in the configuration file. The action requested is displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0183I

```
The return code from the z/OS Migrator parse processing routine was:  
return-code.
```

### Cause

z/OS Migrator is attempting to parse the parameters in the configuration file. The return code from the parse processing routine is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFM0184I

```
An error occurred in the PCF read loop and the EOF flag was: eof-flag.
```

### Cause

z/OS Migrator is attempting to parse the parameters in the configuration file. The end of file flag from the read loop is displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

None.

## EFM0185S

```
The dynamic allocation error for the configuration file is:  
R15=return-code, ERROR=err-data, INFO=info-data.
```

### Cause

z/OS Migrator is attempting to dynamically allocate the configuration file. The results of the error are displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFM0186S

```
The z/OS Migrator DB file was not specified.
```

### Cause

z/OS Migrator is terminating due to an error in the database file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of EFMMDB is placed into the server JCL.

**EFM0187S**

An error occurred when attempting to allocate the data base file.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of EFMMDB is placed into the server JCL.

**EFM0188S**

The dynamic allocation error for the data base file is: R15=*return-code*, ERROR=*err-data*, INFO=*info-data*.

**Cause**

z/OS Migrator is attempting to dynamically allocate the data base file. The results of the error are displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

**EFM0189I**

The return from the EMCKFI routine was: R15=*return-code*.

**Cause**

z/OS Migrator is attempting to dynamically allocate the database file. The results of the error are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None.

**EFM0190I**

The new SSCT Control Table is located at: *ssct-loc*.

**Cause**

z/OS Migrator has allocated the Subsystem Control Table (SSCT) at the specified location. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a different server ID is specified in the configuration file.

## EFM0191I

The old SSCT Control Table was located at: *ssct-loc*.

**Cause**

z/OS Migrator found an old Subsystem Control Table (SSCT) at the specified location. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a different server ID is specified in the configuration file.

## EFM0192I

The old Resource Manager Module was located at: *rm01-loc*.

**Cause**

z/OS Migrator found a Resource Manager Module (EFMMRM01) at the specified location. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a different server ID is specified in the configuration file.

## EFM0193I

Entering the chain to SSCT process for the global block at: *code-loc*.

**Cause**

The chain to SSCT process is being entered for the global block at the location specified. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0194S

EFMMUTIL call failed. The function code was: *func-code* R15: *return-code* R0: *err-data*.

**Cause**

z/OS Migrator is terminating due to an error in the indicated routine.



**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0195I

The storage manager initialization routine completed R15: *return-code*  
R1: *r1-data*.

**Cause**

z/OS Migrator has completed storage manager initialization. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0196I

The storage manager initialization routine completed.

**Cause**

z/OS Migrator has completed storage manager initialization. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0197I

Storage Manager debug, next: *p1-data* type: *p2-data* gct: *p3-data* hct:  
*p4-data* ect: *p5-data*.

**Cause**

z/OS Migrator has displayed storage manager debugging information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0198I

Storage Manager debug, lo: *p6-data* hi: *p7-data* sp: *p8-data* maxsize:  
*p9-data*.

**Cause**

z/OS Migrator has displayed storage manager debugging information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFM0199S

```
Storage obtain failed for STGPOOL.
```

**Cause**

z/OS Migrator is terminating due to an error in the initialization of the storage manager STGPOOL.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0200I

```
Synchronization for volser (srcdev)-> tgtdev started.
```

**Cause**

z/OS Migrator has started the synchronization of the migration from the source volume to the target volume. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

## EFM0201E

```
No target device for volser (tgtdev) exists.
```

**Cause**

z/OS Migrator cannot perform the migration as no target volume/device is available. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0202E

```
Unable to allocate storage for sync subtask - rc(ret-code).
```

**Cause**

z/OS Migrator cannot perform the migration as no storage is available. The return code is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

**EFM0203E**

Cannot open SDDF session for volser (*devcuu*).

**Cause**

z/OS Migrator cannot perform the migration as the SDDF session cannot be opened. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

**EFM0206E**

Received an error performing SDDF CLOSE for address: *unit-address*.

**Cause**

z/OS Migrator received an error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0208E**

The error details are as follows: R15: *return-code* RC: *rc-data* RS: *rs-data* RCX: *rcx-data*.

**Cause**

z/OS Migrator received an error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL, EFMMSYLM

**Action**

-

## EFM0210I

```
Synchronization for volser (srcdev)-> tgtdev cancelled (numtrk tracks).
```

**Cause**

z/OS Migrator has cancelled the synchronization of the migration from the source volume to the target volume for the indicated number of tracks. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

## EFM0211E

```
ECA request, I/O error for - devcuu rc(ret-code).
```

**Cause**

z/OS Migrator cannot perform the migration as an I/O error was received. The return code is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0212E

```
Read I/O error on volume volume on device: unit-address.
```

**Cause**

z/OS Migrator received an error when attempting to read from the volume on the indicated device.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

-

## EFM0213E

```
Write I/O error on device: unit-address.
```

**Cause**

z/OS Migrator received an error when attempting to write from the volume on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

-

**EFM0214I**

```
Error information CCHH: cchh-data ECB: ecb-data IOBRC: iob-rc IOBRS:
iob-rs.
```

**Cause**

z/OS Migrator received an error when attempting I/O from the volume on the indicated device. The error is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

None.

**EFM0215I**

```
Synchronization for volser (srcdev)-> tgtdev completed (numtrk
tracks).
```

**Cause**

z/OS Migrator has completed the synchronization of the migration from the source volume to the target volume for the indicated number of tracks. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

**EFM0216I**

```
Synchronization for volser (srcdev)-> tgtdev failed
```

**Cause**

z/OS Migrator has failed the synchronization of the migration from the source volume to the target volume. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None.

**EFM0221I**

```
Synchronization for all devices has completed succesfully.
```

**Cause**

z/OS Migrator successfully completed the synchronization of all devices. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

## EFM0222W

```
Synchronization for all devices has completed with errors.
```

**Cause**

z/OS Migrator completed the synchronization of all devices, although some errors occurred. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None.

## EFM0223E

```
Volume label read failed on: unit-address RC: rc-data.
```

**Cause**

z/OS Migrator received an error when attempting to read the volume label on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0224E

```
Volume label write failed on: unit-address RC: rc-data.
```

**Cause**

z/OS Migrator received an error when attempting to write the volume label on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0225E

```
Install failed of hook for device: unit-address RC: rc-data RS: rs-data.
```

**Cause**

z/OS Migrator received an error when attempting to install the hook for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0226E

Delete failed for group *group*. RC: *return-code*, RS: *reason-code*.

**Cause**

z/OS Migrator received a non-zero return code from EFMMUTIL when attempting to free storage areas used by the specified group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

Wait for the group to reach “complete” status on all the participating systems, then issue the “delete group” command.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0228E

Read I/O error on volume *volume* on device: *unit-address* STARTRC: *str-rc*.

**Cause**

z/OS Migrator received an error when attempting to read from the volume on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

-

## EFM0230I

I/O Driver started.

**Cause**

z/OS Migrator successfully started the I/O Driver. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

## EFM0231E

I/O Driver failed to start RC: *rc-data* RS: *rs-data*.

### Cause

z/OS Migrator received an error when attempting to start the I/O driver. The return and reason codes are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

### Action

-

## EFM0232E

I/O Driver shutdown failed RC: *rc-data* RS: *rs-data*.

### Cause

z/OS Migrator received an error when attempting to shutdown the I/O driver. The return and reason codes are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

### Action

-

## EFM0233E

I/O Driver detach failed RC: *rc-data* RS: *rs-data*.

### Cause

z/OS Migrator received an error when attempting to detach the I/O driver. The return and reason codes are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

### Action

-

## EFM0234E

I/O Driver page fix request failed, RC: *return-code*.

### Cause

z/OS Migrator received an error when attempting to issue a page fix request for the I/O driver. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-



## EFM0235E

I/O Driver page free request failed, RC: *return-code*.

### Cause

z/OS Migrator received an error when attempting to issue a page free request for the I/O driver. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-

## EFM0236E

I/O Driver internal error, @IOBRC: *iob-rc*@ IOBRS: *iob-rs*.

### Cause

z/OS Migrator received an error when calling the CHKFRAME\_ADJACENT routine to add TIC CCWs to a channel program. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-

## EFM0237E

I/O Driver internal error, @IOBRC: *iob-rc*@IOBRS: *iob-rs*.

### Cause

z/OS Migrator received an error when calling the CHKNEED\_IDAW routine to add IDAWs to a channel program. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-

## EFM0256I

EFMMSYNC waiting for work.

### Cause

z/OS Migrator is waiting for work in its synchronization task. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

### Action

None. This is an informational message.

## EFM0257E

```
A shared ENQ operation has failed CUU: unit-address.
```

### Cause

z/OS Migrator received an error when attempting to issue a shared ENQ for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

### Action

-

## EFM0260W

```
Reserve failed for CUU: unit-address, RC: ret-code retrying.
```

### Cause

z/OS Migrator is waiting for work in its synchronization task. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

### Action

None.

## EFM0261E

```
The add of the console queue element (CQE) failed, return code is:  
return-code.
```

### Cause

z/OS Migrator is terminating the processing of the command due to the failure. z/OS Migrator execution continues after ignoring the command.

**Detecting CSECT:** EFMMCOMM

### Action

-

## EFM0262I

```
The PROC_CMDS_GOTCMD routine received a command from console id: cons-id.  
Response token: cart-id.
```

### Cause

As indicated in the message text. z/OS Migrator execution continues after processing the command.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0263I**

The command associated with the previous message was: *command*.

**Cause**

The command represented by *command* was issued. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0264E**

Invalid command. The parse routine set return code: *return-code*.

**Cause**

z/OS Migrator is terminating the processing of the command due to the failure represented by *return-code*. z/OS Migrator execution continues after ignoring the command.

**Detecting CSECT:** EFMMCOMM

**Action**

-

**EFM0265E**

The get of a record from the database failed, R15: *return-code*.

**Cause**

z/OS Migrator is returning an error return code to the calling routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBLD

**Action**

-

**EFM0266E**

Database error: *dbase*.

**Cause**

z/OS Migrator is returning an error return code to the calling routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBLD

**Action**

-

## EFM0267I

The QUEUE\_CIB routine has been entered, Command input verb value is: *verb*.

**Cause**

The command processing subroutine that builds and queues a command request block has been entered. The “verb” will either be modify (X'44') or stop (X'40'). z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0268I

The QUECIB\_STOP routine has been entered.

**Cause**

The z/OS Migrator command processor is building the request block for a stop command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0269I

The QUECIB\_MODIFY routine has been entered.

**Cause**

The z/OS Migrator command processor is building the request block for a modify command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0270I

The PC routine has been invoked to execute the command. Return code: *return-code*, reason code: *reason-code*.

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0271I

Diversion active, shutdown request is rejected.

**Cause**

z/OS Migrator is ignoring the shutdown request as diversion is active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0272I

Shutdown request received.

**Cause**

z/OS Migrator continues processing the shutdown request. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0273I

Refresh command only valid for started task.

**Cause**

z/OS Migrator continues execution after ignoring the refresh request.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0274E

An exclusive ENQ operation has failed CUU: *unit-address*.

**Cause**

z/OS Migrator received an error when attempting to issue a shared ENQ for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0275E

Received an error performing a CLOSE for volume: *volume* address: *unit-address*.

**Cause**

z/OS Migrator received an error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0276E

The SDDF Facility is not available.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0277E

The maximum number of SDDF sessions are already in use.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0278E

Can not establish an SDDF session.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0279E**

The device is a migration device.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0280E**

The device is a BCV device.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

.-

**EFM0281E**

A new SDDF session can not be opened.

**Cause**

z/OS Migrator received the indicated error when attempting to close the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0282E**

Data base open failed for the owner of group *group*.

**Cause**

z/OS Migrator has an error opening the database for the owner of the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0283E

Data base find failed for the group directory of group *group*.

**Cause**

z/OS Migrator has an error finding the database directory of the group indicated.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0284E

Data base read failed for the group directory of group *group*.

**Cause**

z/OS Migrator has an error reading the database directory of the group indicated.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0285I

The total number of couple datasets is: *number*.

**Cause**

z/OS Migrator has found the number of indicated couple datasets. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0286I

On device: *device*, a couple dataset exists: *dataset*.

**Cause**

z/OS Migrator has found the number of indicated couple datasets. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL



**Action**

None. This is an informational message.

**EFM0287S**

```
GETCPLFL call failed. The return code was: ret-code, RSN: rsn-data
SRV RC: src-data SRC RS: srs-data.
```

**Cause**

z/OS Migrator is terminating due to an error in the indicated routine.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0288I**

```
Entering the task attach for task: tsk-name.
```

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

**EFM0289I**

```
Task tsk-name attached with the TCB address: tcb-addr.
```

**Cause**

z/OS Migrator has attached the indicated task with its indicated TCB address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

**EFM0290I**

```
Entering the task detach for task: tsk-name.
```

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0291I

```
Entering task shutdown for task: tsk-name.
```

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0292E

```
Shutdown for task tsk-name failed with a return code: return-code and  
R0: r0-data.
```

**Cause**

z/OS Migrator is terminating due to an error when attempting to shutdown the indicated task with the indicated error.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0293I

```
Entering the task reattach for task: tsk-name.
```

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0294I

```
Entering the multi-task attach routine.
```

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0295I

Entering the multi-task detach routine.

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0296I

Entering the multi-task shutdown routine.

**Cause**

z/OS Migrator is entering the indicated routine. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0297W

Lock query failed for device: *unit-address* lock: *lcknum* RC: *return-code* RS: *rs-data* RE: *re-data*.

**Cause**

z/OS Migrator received a failure on the query of the device lock. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None.

## EFM0298W

Lock 15 found held for device: *unit-address* lock: *lcknum* sec-data *seconds*.

**Cause**

z/OS Migrator received a failure on the query of the device lock. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None.

## EFM0299W

```
Lock query failed for device: unit-address lock: lcknum RC: return-  
code RS: rs-data RE: re-data.
```

**Cause**

z/OS Migrator received a failure on the query of the device lock. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None.

## EFM0398S

```
Mirror processing not installed.
```

**Cause**

z/OS Migrator is terminating due to an error in the installation.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0399S

```
Mirror processing not installed.
```

**Cause**

z/OS Migrator is terminating due to an error in the installation.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0401E

```
Database structural error in record sector-number of data base DD-  
name.
```

**Cause**

Found a directory record with an invalid format. The current request will be rejected.

**Detecting CSECT:** EFMMDBLD

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0402E

```
The read of record sector-number from data base DD-name failed, R15:
return-code.
```

### Cause

An attempt to read a record from a database was unsuccessful. Return code eight is set by the EFMMSYNAD routine, other return codes indicate process errors. This message might be followed by EFM0411I.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBLD

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0403E

```
The write of record sector-number to database DD-name failed, R15:
return-code.
```

### Cause

An attempt to write or update a record in a database was unsuccessful. Return code eight is set by the EFMMSYNAD routine, other return codes indicate process errors. This message might be followed by EFM0411I.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBLD

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0411I

```
Database routine called from caller, offset +offset.
```

### Cause

z/OS Migrator has encountered an error accessing one of the data bases. This message displays the name of the subroutine that initiated the data base request. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBLD

**Action**

None. This is an informational message.

## EFM0501I

Debugging flags now in effect are: *flags1, flags2*.

**Cause**

z/OS Migrator has set the debugging flags as shown. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0502I

Debugging mode has been turned OFF.

**Cause**

z/OS Migrator has turned the debugging mode off. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0503I

Debugging flags now in effect are: *flags1, flags2*.

**Cause**

z/OS Migrator has turned debugging mode on with the default flags. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0521I

Trace event *event-id* with a format of *format* is set to OFF.

**Cause**

This is the response to a “Display Trace” command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0522I**

Trace event *event-id* with a format of *format* is set to ON.

**Cause**

This is the response to a “Display Trace” command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0523I**

Suspend command rejected for *grp\_name*: group owned by *sys\_name*.

**Cause**

A SUSPEND command was issued against a Migrator group, *grp\_name*, on *sys\_name* which is not the group-owning Migrator instance.

**Detecting CSECT:** EFMMCOMM

**Action**

Issue the SUSPEND command on the owning Migrator instance.

**EFM0530I**

Suspend command successful for group *group*.

**Cause**

z/OS Migrator has suspended the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0531I**

Suspend command rejected for *group*: *group* is not active.

**Cause**

The suspend command failed as the group specified is not active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0533I

Suspend command rejected for *group*: *group* diverted or terminated.

**Cause**

z/OS Migrator has not suspended the group indicated, as the group has been either diverted or terminated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0534I

Suspend command rejected for *group*: *group* not found.

**Cause**

z/OS Migrator has not suspended the group indicated, as the group was not found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0535I

Suspend command rejected for *group*: no groups active.

**Cause**

z/OS Migrator has not suspended the group indicated, as no groups have been found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0536I

Group *group* has been resumed.

**Cause**

z/OS Migrator has resumed the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM



**Action**

None. This is an informational message.

**EFM0537I**

```
Resume command rejected for group: group owned by smfid.
```

**Cause**

z/OS Migrator has not resumed the group indicated, as this is not the owning system.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0538I**

```
Resume command rejected for group: group not suspended.
```

**Cause**

z/OS Migrator has not resumed the group indicated, as the group is not suspended.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0539I**

```
Resume command rejected for group: group not found.
```

**Cause**

z/OS Migrator has not resumed the group indicated, as the group was not found.  
z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0540I**

```
Device device has been reset.
```

**Cause**

z/OS Migrator has reset the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0541I

Device *device* released.

**Cause**

z/OS Migrator has released a reserve the indicated device by issuing a DEQ macro for the EMC\$FM resource. z/OS Migrator execution continues.

**Detecting CSECT:**E FMMCOMM

**Action**

None. This is an informational message.

## EFM0542W

Device *device* was not released. Return code: *return-code*.

**Cause**

z/OS Migrator has attempted to release a reserve on the indicated device by issuing a DEQ macro for the EMC\$FM resource with RET=HAVE. The return code will be X'08', which means that the task had not reserved the device with this resource name. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None.

## EFM0543I

Device *device* has been reset.

**Cause**

z/OS Migrator has reset the UCBLEVEL for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0544W

A release command failed. Device *device* is not known to this server.

**Cause**

z/OS Migrator could not find a device control block for the requested device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None.

## EFM0545I

Resume command rejected for *group*: no groups active.

**Cause**

z/OS Migrator has not resumed the group indicated, as no groups have been found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0546I

Group *group* has been diverted.

**Cause**

z/OS Migrator has diverted or diverted and renamed the group indicated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0547I

Divert command rejected for *group*: *group* not active.

**Cause**

z/OS Migrator has not diverted or diverted and renamed the group indicated as the group is not active. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0548I

Divert command rejected for *group*: *group* already diverted.

**Cause**

z/OS Migrator has not diverted or diverted and renamed the group indicated as the group has already been diverted. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0549I

```
Divert command rejected for group: group not mirroring.
```

**Cause**

z/OS Migrator has not diverted the specified group as it is not currently in mirroring state. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0551E

```
cmd rejected for grp_name: group owned by smfid
```

**Cause**

The entered command, *cmd*, issued against the specified group, *grp\_name*, was not processed as the group is owned by another z/OS Migrator instance (*smfid*).

**Detecting CSECT:** EFMMCOMM

**Action**

Issue the specified command, *cmd*, against group *grp\_name* on the owning z/OS Migrator system (*smfid*).

## EFM0552I

```
Divert command rejected for grp_name: group owned by sys_name.
```

**Cause**

A command was issued to divert a z/OS Migrator group from a non-owning Migrator instance.

**Detecting CSECT:** EFMMCOMM

**Action**

Issue DIVERT command from the owning Migrator instance.

## EFM0553I

```
Divert command rejected for group: group not found.
```

**Cause**

z/OS Migrator has not diverted or diverted and renamed the group indicated, as it is not known to the server. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0554E

```
cmd command failure for grp_name: Group validation error
```

**Cause**

The attempted command, *cmd*, did not process correctly for the specified group, *grp\_name*, resulting in this error message.

**Detecting CSECT:** EFMMCOMM

**Action**

Check Migrator started task log for more information as to the cause of this error. If unable to determine the cause, contact EMC Support Personnel for further assistance.

## EFM0554I

```
Divert command rejected for group: no groups found.
```

**Cause**

z/OS Migrator has not diverted or diverted and renamed the group indicated as no groups were found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0555I

```
Activation failed for group group. Return code: return-code.
```

**Cause**

An activation command was unsuccessful. The return code in the message can be one of the following:

- 1026 - General activation error.
- 1029 - No datasets selected for migration.
- 1030 - SNAP function error.
- 1031 - SNAP function parsing error.
- 1033 - Key authorization check failed.
- 1034 - Group size exceeds balance for TB key.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSSLM, EFMMSYLM

**Action**

None. This is an informational message.

## EFM0556I

Group *group* was not activated, as the group was not found.

**Cause**

z/OS Migrator has not been activated, as the group was not found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSSLM, EFMMSYLM

**Action**

None. This is an informational message.

## EFM0557I

A terminate command has been scheduled for group *group*.

**Cause**

z/OS Migrator has scheduled a terminate command for the group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

None. This is an informational message.

## EFM0558I

Check migration complete for CUU: *device type: type status: status* located at: *address*.

**Cause**

z/OS Migrator is checking for the completed migration for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0559I

For device CUU: *device type: type status: status* located at: *address*; it is owned by CPU: *cpu*.

**Cause**

z/OS Migrator is checking for the completed migration for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

**EFM0560W**

```
Lock free failed for device: unit-address lock: lcknum RC: return-
code RS: rs-data RE: re-data.
```

**Cause**

z/OS Migrator received a failure on the free of the device lock. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

**EFM0561I**

```
Testing for a consistency group for SRC: cuu1-data TGT: cuu2-data
FLAG: flag.
```

**Cause**

z/OS Migrator is testing the consistency group status for the indicated devices. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

**EFM0562I**

```
Test consistency group for SRC: cuu1-data TGT: cuu2-data FLAG: flag
in consistency group group.
```

**Cause**

z/OS Migrator is testing the consistency group status for the indicated devices for the specified group name. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0563W

```
Consistency group query failed, RC: return-code RS: re-data.
```

### Cause

z/OS Migrator received a failure when issuing a query request for the previously indicated devices. The results are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

### Action

None. This is an informational message.

## EFM0564I

```
Getting a device block for the global block at: r3-data.
```

### Cause

z/OS Migrator is getting a device block. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

### Action

None. This is an informational message.

## EFM0565I

```
Adding a device to the device pool for the global block at: r3-data
```

### Cause

z/OS Migrator is adding a device to the device pool. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

### Action

None. This is an informational message.

## EFM0566I

```
New device pool located at: r5-data.
```

### Cause

z/OS Migrator has created a new device pool at the indicated address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

### Action

None. This is an informational message.



## EFM0567S

Insufficient storage to allocate the Global Device Pool control block in CSA.

**Cause**

z/OS Migrator is terminating due to lack of virtual storage in the common storage area (CSA).

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0568I

Entering the ADDTO\_GDEVINDX routine, R3: r3-data R4: r4-data CUU: unit-address.

**Cause**

z/OS Migrator is adding a device to the device pool. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0569I

New base segment created at: r5-data.

**Cause**

z/OS Migrator has created a new base segment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0570I

New leaf segment created at: r6-data.

**Cause**

z/OS Migrator has created a new leaf segment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0571S

```
Insufficient storage to allocate the Global Device Index control  
block in CSA.
```

**Cause**

z/OS Migrator is terminating due to lack of virtual storage in the common storage area (CSA).

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0572I

```
GET_DEVINFO retrying FC01 query after timeout for device: unit-  
address.
```

**Cause**

z/OS Migrator is retrying the query function for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0573S

```
Name call failed, R15: return-code, RC: ret-code, RSN: rea-data RCX:  
rcx-data CUU: unit-address.
```

**Cause**

z/OS Migrator is terminating due to an error in the indicated routine.

**Detecting CSECT:** EFMMUTIL

**Action**

-

## EFM0574I

```
Use of an active SRDF R2 device unit-address is not allowed.
```

**Cause**

z/OS Migrator has created a new leaf segment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMUTIL

**Action**

None. This is an informational message.

## EFM0575E

EFMMDBHB task has abended.

### Cause

z/OS Migrator is continuing execution although an abend occurred in the heartbeat task, as the task will be restarted.

**Detecting CSECT:** EFMMDBHB

### Action

-

## EFM0576I

Heartbeat task entered.

### Cause

z/OS Migrator is entering the data base heartbeat task. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM0577I

Heartbeat task is now diverting group *group* on *numsys* system(s).

### Cause

z/OS Migrator is diverting the group indicated on the specified number of systems. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM0578S

An invalid status was returned from EFMMTRMC when checking the status of group *group* R15: *return-code* R0: *reason-code*.

### Cause

The subroutine that analyzes dataset usage for a diverted group has failed was unsuccessful. The possible values for the return and reason codes, and their meanings, are:

Return code	Reason code	Meaning
08	07	Message EFM0171E issued.
08	08	Unsuccessful GQSCAN macro.
08	09	Dataset ENQ with both SYSTEM and SYSTEMS scope.
0C	00	Subroutine called with no parameters.
0C	01	Subroutine called with invalid DWGLB block.
0C	02	Subroutine called with invalid DWGRP block.
0C	03	Subroutine called with invalid group name.
0C	05	Insufficient ECSA storage.
0C	06	Group has no datasets.
0C	0B	Subroutine abended.

The specified group will remain in divert status and will not automatically move to “pending complete” or “complete.”

#### Detecting CSECT: EFMMDDBHB

##### Action

The completion routine can be rescheduled on this system using the “F <server>,COMPLETE <group>” command.

It is usually a good idea to attempt to shut down applications that are using datasets in the specified group before attempting to retry group completion, even if these applications performed allocation after the group was diverted, and are not accessing the dataset source volumes.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0579S

A STOW for the HOSTS\_STATUS information failed.

##### Cause

An attempt to update information in the database was unsuccessful. This server is no longer able to communicate its status to participating systems. z/OS Migrator execution continues.

#### Detecting CSECT: EFMMDDBHB

**Action**

Active migrations need to be terminated.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EFM0580I**

```
Heartbeat task ending.
```

**Cause**

z/OS Migrator is ending the data base heartbeat task. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

**EFM0581W**

```
Heartbeat task is waiting for group group, its devices: device1 and device2 for the reason: reason.
```

**Cause**

z/OS Migrator heartbeat task is waiting for the indicated reason for the devices specified in the indicated group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

**EFM0582I**

```
Heartbeat task is now completing group group on numsys system(s).
```

**Cause**

The specified group is now ready to complete on all systems, so the heartbeat task on this system is starting completion processing for the group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0583W

Heartbeat task is suspending group *group*.

### Cause

z/OS Migrator heartbeat task has suspended the indicated group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

-

## EFM0584W

Heartbeat task is deactivating group *group*.

### Cause

z/OS Migrator heartbeat task has deactivated the indicated group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

-

## EFM0585I

Heartbeat task is activating group *group*.

### Cause

z/OS Migrator heartbeat task has activated the indicated group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM0586E

Heartbeat task failed activation for group *group* on system: *smfid*  
*rsn=xxxx*

### Cause

z/OS Migrator heartbeat task has failed to activate the indicated group. Group activation fails.

*smfid* is the system ID where the heartbeat monitor detected the activation failure. *xxx* is the reason code associated with the error.

**Detecting CSECT:** EFMMDBHB

**Action**

See Appendix C in the EMC z/OS Migrator Product Guide for an explanation of the group state reason codes returned and reported via EFM0586E.

## EFM0587E

Heartbeat task failed when attempting to open the data base.

**Cause**

z/OS Migrator heartbeat task has failed when attempting to open the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0588E

Heartbeat task failed when attempting to read the host status from the data base.

**Cause**

z/OS Migrator heartbeat task has failed when reading the host status from the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0589I

Heartbeat task setting group *group* to a status of completed.

**Cause**

z/OS Migrator is setting the group indicated to a status of terminated. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0590W

Heartbeat task failed to locate the HOSTS directory.

**Cause**

z/OS Migrator failed to locate the HOSTS system directory in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0591E

Heartbeat task failed to read the HOSTS directory.

**Cause**

z/OS Migrator failed to read the HOSTS system directory in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0592I

Heartbeat task setting group *group* to a status of pending diversion.

**Cause**

z/OS Migrator is setting the group indicated to a status of pending diversion. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0593I

Heartbeat task setting group *group* to a status of pending complete.

**Cause**

z/OS Migrator is setting the group indicated to a status of pending complete. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0594I

Heartbeat task is posting the synchronization task with a request.



**Cause**

z/OS Migrator is posting the synchronization task with a work request. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0595E

```
Heartbeat task received an error when adding a synchronization
request to its queue.
```

**Cause**

z/OS Migrator received an error by the heartbeat task when adding a synchronization request to its queue. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0596I

```
Heartbeat task received a SDDF request.
```

**Cause**

z/OS Migrator received a request for SDDF support. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0597I

```
Heartbeat task logged a SDDF request to the data base.
```

**Cause**

z/OS Migrator received a request for SDDF support, and logged it to the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0598I

Heartbeat task issued an SDDF open for device: *unit-address* of group *group*.

### Cause

z/OS Migrator processed a SDDF open request for the indicated device in the specified group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM0599I

Heartbeat task issued an SDDF close for device: *unit-address* of group *group*.

### Cause

z/OS Migrator processed a SDDF close request for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM0600E

Unsupported command.

### Cause

The command is not currently supported by z/OS Migrator. z/OS Migrator execution continues after ignoring the command.

**Detecting CSECT:** EFMMCOMM

### Action

-

## EFM0606S

The required HOOK interface parameters were not supplied.

### Cause

z/OS Migrator is terminating due to an error in the specification of the HOOK interface parameters.

**Detecting CSECT:** EFMMCOMM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0607I

```
Divert command rejected for group: group busy.
```

**Cause**

z/OS Migrator has not diverted or diverted and renamed the group indicated as the group appears to be in the process of modifying a dataset's extent definition. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0608I

```
Divert command rejected for group: RENAME verification failed.
```

**Cause**

z/OS Migrator has not attempted to divert the specified group, because a verification request was rejected by the RENAME service. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0609I

```
Divert command rejected for group: Inactive server.
```

**Cause**

z/OS Migrator has not attempted to divert the specified group, because one or more servers appear to have become inactive. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

Attempt to restart the server that has lost contact.

## EFM0610I

```
Delete command rejected for group: Inactive server.
```

**Cause**

z/OS Migrator has not attempted to delete the specified group, because one or more servers appear to have become inactive. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

Attempt to restart the server that has lost contact.

## EFM0611I

```
Suspend command rejected for group: group already suspended.
```

**Cause**

z/OS Migrator has not suspended the group indicated, as the group is already suspended. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0612E

```
MODIFY command length error length.
```

**Cause**

The operand of a modify command was either omitted or exceeded 256 characters in length when combined with the command prefix characters. z/OS Migrator execution continues after ignoring the command.

**Detecting CSECT:** EFMMCOMM

**Action**

-

## EFM0613E

```
The PC routine set a non-zero return code. Return code: return-code,  
reason code: reason-code.
```

**Cause**

The PC routine did not successfully process the command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0614I

```
Heartbeat task issued an SDDF get for group group, and its devices:  
device1 and device2.
```

**Cause**

z/OS Migrator processed a SDDF close request for the indicated devices in the specified group. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0615I

```
Heartbeat task issued a post for open of SDDF devices: device1 and  
device2 to address: addr.
```

**Cause**

z/OS Migrator posted a SDDF open request for the indicated devices at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0616I

```
Heartbeat task issued a post for close of SDDF devices: device1 and  
device2 to address: addr.
```

**Cause**

z/OS Migrator posted a SDDF close request for the indicated devices at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0617I

```
Heartbeat task issued a post for get of SDDF devices: device1 and  
device2 to address: addr.
```

**Cause**

z/OS Migrator posted a SDDF get request for the indicated devices at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0618I

```
Heartbeat task issued a post for a set of the SDDF devices: device1
and device2 to address: addr.
```

**Cause**

z/OS Migrator posted a SDDF set request for the indicated devices at the specified address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0619E

```
Heartbeat task failed to create the SDDF bitmap object.
```

**Cause**

z/OS Migrator failed when attempting to create the SDDF bitmap object in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0620W

```
Heartbeat task issued a STOW operation of the system messages object
and it failed with a return code: ret-code.
```

**Cause**

z/OS Migrator failed when attempting to save the system messages in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

## EFM0621W

```
Heartbeat task issued a APPEND operation of the system messages
object and it failed with a return code: ret-code.
```

**Cause**

z/OS Migrator failed when attempting to append the system messages in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

## EFM0622I

Heartbeat task has logged the status of the groups.

**Cause**

z/OS Migrator has logged the status of all groups. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM0623I

Command rejected for *group*: *group* state invalid for suspend.

**Cause**

z/OS Migrator has not suspended the group indicated, as the group is not currently mirroring or attempting to achieve mirror state. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFM0624W

Heartbeat task issued a WRITE operation of the system messages object and it failed with a return code: *ret-code*.

**Cause**

z/OS Migrator failed when attempting to write the system messages in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

## EFM0625E

*return-code* was the return code from authority checking from activation of group *group*.

**Cause**

Indicates the return code received from z/OS Migrator authority checking. z/OS Migrator group activation fails.

**Detecting CSECT:** EFMMSYLM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0626E

```
z/OS Migrator MSGW program has abended when processing the system message control blocks.
```

**Cause**

z/OS Migrator is terminating due to an abend when calling the EFMMSGW program from either EFMMDHBH or EFMTERM.

**Detecting CSECT:** EFMMSGW

**Action**

-

## EFM0627I

```
z/OS Migrator is executing in a Virtual Machine (VM) environment.
```

**Cause**

z/OS Migrator is executing under the control of a z/VM control program in this LPAR. z/OS Migrator execution continues.

**Detecting CSECT:** EFMNNIT

**Action**

None. This is an informational message.

## EFM0628W

```
The number of terabytes being migrated exceeds the number remaining in license.
```

**Cause**

z/OS Migrator session exceeds the number of terabytes remaining in this z/OS Migrator license. z/OS Migrator execution is terminated

**Detecting CSECT:** EFMMSYLM

**Action**

-



## EFM0629W

The number of tracks being migrated exceeds the number remaining in license.

### Cause

z/OS Migrator session exceeds the number of volumes remaining in this z/OS Migrator license.z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMSYLM

### Action

-

## EFM0630I

Data space *dspacen* has *dspace-num* fixed areas allocated.

### Cause

Indicates the number of fixed areas allocated for use by the data space name specified. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCMND

### Action

None. This is an informational message.

## EFM0631I

Data space *dspacen* deleted.

### Cause

The specified data space has been deleted. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCMND

### Action

None. This is an informational message.

## EFM0632I

Data space *dspacen* created, ALET: *alet* TOKEN: *token*.

### Cause

The specified data space has been created. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCMNI

### Action

None. This is an informational message.

## EFM0633E

I/O driver page fix request failed, RC: *return-code*.

### Cause

z/OS Migrator received an error when attempting to issue a page fix request for the I/O Driver. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-

## EFM0634E

I/O driver page free request failed, RC: *return-code*.

### Cause

z/OS Migrator received an error when attempting to issue a page free request for the I/O Driver. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCTLM

### Action

-

## EFM0635I

Error information CCHH: *cchh-data* ECB: *ecb-data* IOBRC: *iob-rc* IOBRS: *iob-rs*.

### Cause

z/OS Migrator received an error when attempting I/O from the volume on the indicated device. The error is displayed. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMCTLM

### Action

None. This is an informational message.

## EFM0636I

Error information CCHH: *cchh-data* ECB: *ecb-data* IOBRC: *iob-rc* IOBRS: *iob-rs*.

### Cause

z/OS Migrator received an error when attempting I/O from the volume on the indicated device. The error is displayed. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMCTLM

**Action**

None. This is an informational message.

**EFM0637E**

Write I/O error on device: *unit-address*.

**Cause**

z/OS Migrator received an error when attempting to write from the volume on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

-

**EFM0638I**

Error information CCHH: *cchh-data* ECB: *ecb-data* IOBRC: *iob-rc* IOBRS: *iob-rs*.

**Cause**

z/OS Migrator received an error when attempting I/O from the volume on the indicated device. The error is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

None. This is an informational message.

**EFM0639I**

Reloading group information for group *group*.

**Cause**

Reloading information for the indicated group from the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

**EFM0640I**

Reload of group information for group *group* was successful.

**Cause**

Reload of information for the indicated group from the database was successful. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

## EFM0641I

```
Reload of group information for group group failed.
```

**Cause**

Reload of information for the indicated group from the database failed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

## EFM0642I

```
Open of data base failed.
```

**Cause**

The open request for the database failed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

## EFM0643I

```
Group directory not found.
```

**Cause**

When attempting to reload the previously indicated group, the group directory was not found. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

## EFM0644I

```
Group directory could not be read.
```

**Cause**

When attempting to reload the previously indicated group, the group directory could not be read. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

**EFM0645I**

Group data could not be read.

**Cause**

When attempting to reload the previously indicated group, the group data could not be read. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBRE

**Action**

None. This is an informational message.

**EFM0646E**

Error reading extent file for: *unit-address* RC: *rc-data*.

**Cause**

z/OS Migrator received an error when attempting to read the extent file for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMEXT

**Action**

-

**EFM0647E**

Error writing extent file for: *unit-address* RC: *rc-data*.

**Cause**

z/OS Migrator received an error when attempting to write the extent file for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMEXT

**Action**

-

**EFM0648S**

Insufficient storage to allocate the Missing Interrupt Handler control block for the mirroring function.

**Cause**

z/OS Migrator received an error when attempting to allocate the necessary storage. z/OS Migrator execution terminates.

**Detecting CSECT:**EFMMMIHI

**Action**

-

## EFM0649I

MIH diagnostic information: *module EP: ep-addr LP: lp-addr LEN: length.*

**Cause**

The MIH component for z/OS Migrator is providing diagnostic information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

None. This is an informational message.

## EFM0650I

MIH diagnostic information: MIH address: *mih-addr* MIH length: *mih-ln.*

**Cause**

The MIH component for z/OS Migrator is providing diagnostic information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

None. This is an informational message.

## EFM0651I

Queued MIH Timer Queue Element at address: *tqe-addr.*

**Cause**

z/OS Migrator queued a timer queue element at the designated address. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMIHI

**Action**

None. This is an informational message.

## EFM0652W

Failure when attempting to update the messages in the data base RC: *ret-code.*

**Cause**

z/OS Migrator received an error when attempting to update system messages in the database. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMDBHB

**Action**

-

## EFM0653W

The system message update task failed when attempting to free a directory entry, RC: *ret-code* R14 displacement: *ret-disp*.

**Cause**

z/OS Migrator failed when attempting to free the directory data area in the database after executing a data base release buffer operation from the specified displacement in the module EFMMMSGW. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

## EFM0654S

The EFMMMS file was not specified.

**Cause**

z/OS Migrator is terminating due to an error in the message system file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of EFMMMS is placed into the server JCL.

## EFM0655S

An error occurred when attempting to allocate the message system file.

**Cause**

z/OS Migrator is terminating due to an error in the configuration file.

**Detecting CSECT:** EFMMMAIN

**Action**

Ensure that a DD statement specifying the dataset name and a DD name of EFMMMS is placed into the server JCL.

## EFM0656S

The dynamic allocation error for the message system file is:  
R15=*return-code*, ERROR=*err-data*, INFO=*info-data*.

**Cause**

z/OS Migrator is attempting to dynamically allocate the message system file. The results of the error are displayed.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0657S

The specified length of the dataset name of the SMSG database parameter is either zero or longer than 44 characters.

**Cause**

z/OS Migrator is processing the SMSG parameter and the specified length is either zero or is longer than allowed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFM0658S

No z/OS Migrator block pointer.

**Cause**

The EFMMVUCB routine is validating the volumes to be allocated for group activation. A logic error has occurred. Group activation fails

**Detecting CSECT:** EFMMVUCB

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0659E

Target volume volser for group *group* is not mounted on EMC DASD.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The product license indicates that migrations may only be performed to EMC devices and one of the target volumes selected for this group migration is not mounted on an EMC device. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Delete the group and promote it again specifying only target volumes on EMC devices.



## EFM0660S

No datasets received from the SNAP routine.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. No dataset control blocks were built by EFMMSNAP for this group. The migration group fails activation.

**Detecting CSECT:**EFMMVUCB

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0661W

*dsname* dropped from *grpname* - XTNTMON.

### Cause

During logical migration group processing, a dataset was dropped from the group either directly based on user request or indirectly based on circumstances. *dsname* is the related dataset and *grpname* is the z/OS Migrator defined logical migration group.

Group processing continues without the indicated dataset *dsname*. If this is the final dataset within the logical migration group, processing is SUSPENDED for *grpname*.

**Detecting CSECT:** EFMMSSLM

### Action

-

## EFM0662E

Required patch *nnnnnn* not applied on device: *ssssss*

### Cause

The specified patch must be applied to the indicated device. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0663E

```
I/O error reading device characteristics from source device: unit-address.
```

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0664E

```
I/O error reading cache fast write ID from source device: unit-address.
```

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0665E

```
I/O error reading subsystem data from source device: unit-address.
```

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0666E

```
I/O error reading device characteristics from target device: unit-address.
```

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a target volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

**EFM0667E**

```
I/O error reading cache fast write ID from target device: unit-
address.
```

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a target volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

**EFM0668E**

```
I/O error reading subsystem data from target device: unit-address.
```

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a target volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

**EFM0669E****Format 1:**

```
Target volume feature mismatch for dataset on volser.
```

**Format 2:**

```
Target volume feature mismatch for HSWAP: group=xxxxxxx
source=volser, target on ccuu
```

**Cause**

For format 1, *dataset* is the name of the source dataset in the logical migration relationship and *volser* is the volser on which the source dataset resides.

For format 2: *xxxxxxx* is the volume group within which the HyperSwap comparison has detected a mismatch between the source and target device capabilities; *volser* is the source volser in the pair of volume group devices; and *ccuu* is the target device CUU.

The EFMMVUCB module is attempting to validate target volume suitability at activation of a migration group. A target volume that was specified for this migration group is mounted on a device that does not support the same range of features supported on the source volumes \*or\* hyperswap is enabled on the one but not both of the device in the relationship. If the migration was allowed to continue, problems could arise when mirroring or diverting application I/O requests that attempt to exploit these features.

Features currently examined by EFMMVUCB include:

- Prefix CCW.
- Read Track Data CCW.
- Write Full Track CCW.
- Write Track Data CCW.
- Locate Record Erase order.
- Prestage Trackset order.

The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

## EFM0670S

```
Device I/O failed on volume volser for group group.
```

**Cause**

The EFMMVUCB module is attempting to validate target volume suitability at activation of a migration group.

An I/O error prevented completion of validation. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

## EFM0671E

```
VTOC index not found in VTOC of volume volser.
```

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program failed to locate the VTOC index for one of the source or target volumes. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

## EFM0672E

Return code rrrr from CHPATCH on device ssssss

### Cause

The CHPATCH module returned one of the following codes:

- 12 - UCB address invalid
- 16 - I/O error on SYSCALL 151

The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

Contact the EMC Support Center for assistance.

## EFM0673W

Migration of dataset to non-mirrored volume volser.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate target volume features for a migration group being activated. The program found that the named dataset will be migrated from a mirrored source to a non-mirrored target volume. z/OS Migrator group activation continues.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0674E

I/O error reading subsystem status from source device: unit-address.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0675E

I/O error reading subsystem status from target device: unit-address.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a target volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

## EFM0676E

Source volume *volser* contains the z/OS Migrator data base.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group.

One of the datasets in the group resides on the same volume as the z/OS Migrator database. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Move the z/OS Migrator database and restart the server when convenient.

## EFM0677E

Target volume *volser* contains the z/OS Migrator data base.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. One of the target volumes selected for the group contains the z/OS Migrator database. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Modify the group definition so that the z/OS Migrator data base volume will not be selected as a target and repromote the group.

## EFM0678E

I/O error reading VTOC records from source device: *unit-address*.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program failed to locate the VTOC index for one of the source volumes. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

-

## EFM0679E

I/O error reading VTOC records from target device: *unit-address*.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program failed to locate the VTOC index for one of the target volumes. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0680E

Source (*src-volser*) and target (*tgt-volser*) volumes not in same CONGROUP.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. One or more datasets in the migration group would be migrated to a volume that was not in the same EMC (SRDF) Consistency Group as the corresponding source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0681E

zHPF invalid on (*volser*). Issue SETIOS ZHPF=NO

### Cause

z/OS Migrator does not support the use of devices flagged as zHPF (high performance FICON) via the UCB settings. *volser* is the volume serial number for one of the devices in the z/OS Migrator pairing

**Detecting CSECT:** EFMMVUCB

### Action

For the duration of the migration event(s), disable zHPF on the owner logical partition using the SETIOS z/OS command as follows: SETIOS ZHPF=NO. When the migration event is completed, reenable zHPF on the logical partition via the following command: SETIOS ZHPF=YES.

## EFM0682E

I/O error Reading Configuration Data from source device: *unit-address*.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a source volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0683E

I/O error Reading Configuration Data from target device: *unit-address*.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program encountered an I/O error when attempting to access a target volume. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0684E

I/O error reading Fmt4 DSCB from source device: *unit-address*. TTR:  
*ttr*.

### Cause

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program failed to read the first record in the VTOC on one of the source volumes.

The address of the VTOC was extracted from the UCBVTOC field (TTR format). The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

### Action

-

## EFM0688E

Source volume *src-volser* is active in a TDMF migration session.



**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Wait until the TDMF migration session completes, then attempt to activate the group again.

## EFM0689E

Target volume *tgt-volser* is active in a TDMF migration session.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Modify the group definition so that volumes active with TDMF will not be selected as targets and repromote the group. Alternatively, wait until the TDMF migration session completes then attempt to activate the group again.

## EFM0690E

*return-code* was the return code from the read current quantity at activation of group *group*.

**Cause**

Indicates the return code received from z/OS Migrator read current quantity routine. z/OS Migrator group activation terminates.

**Detecting CSECT:** EFMMSSLM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0691E

*return-code* was the return code from the read current quantity at completion of group *group*.

**Cause**

Indicates the return code received from z/OS Migrator update quantity routine. z/OS Migrator group completion continues.

**Detecting CSECT:** EFMMSSLM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0694I

```
The activation of group group has committed the following number of bytes: number-byte.
```

**Cause**

The indicated number of bytes has been committed by the update quantity routine upon activation of the group. z/OS Migrator group activation continues.

**Detecting CSECT:** EFMMSSLM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0695I

```
After the completion of group group the following number of bytes: number-byte remain in this license.
```

**Cause**

The indicated number of bytes remain in the license upon completion of the group. z/OS Migrator group completion continues.

**Detecting CSECT:** EFMMDBHB

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM0696I

```
The unsuccessful completion of group group has returned the following number of bytes: number-byte.
```

**Cause**

The indicated number of bytes has been returned by the update quantity routine to this license upon unsuccessful completion of the group, either its deactivation or deletion. z/OS Migrator group completion continues.

**Detecting CSECT:** EFMMDBHB

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EFM0697E**

Multiple VTOC index datasets on volume *volser*.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program found that the VTOC for one of the source or target volumes contained a reference to more than one dataset with high level qualifiers of "SYS1.VTOCIX.." The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Correct the VTOC to scratch all the index datasets except for the first, or prevent this volume being selected as a target.

**EFM0698E**

VTOC index not valid on volume *volser*.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate the volumes that will be allocated for activation of a migration group. The program found that one of the source or target volumes does not have a valid free space management structure. It is probable that an error situation has caused the VTOC index to become disabled. The migration group fails activation.

**Detecting CSECT:** EFMMVUCB

**Action**

Use ICKDSF to revalidate the VTOC index.

**EFM0700W**

An attempt to read a sector from the data base was unsuccessful.  
Return code was *ret-code*.

**Cause**

z/OS Migrator failed when attempting to add a message block to the database. The failure occurred when attempting to access one sector of the data base allocation bitmap. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

## EFM0701W

An attempt to read a sector from the data base was unsuccessful.  
Return code was *ret-code*.

### Cause

z/OS Migrator failed when attempting to add a message block to the database. The message object has wrapped.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

### Action

-

## EFM0702W

An attempt to FIND the parent directory for the System Messages object was unsuccessful. Return code was *ret-code*.

### Cause

z/OS Migrator failed when attempting to access a directory record. The database message object cannot be wrapped. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

### Action

-

## EFM0703W

An attempt to READ a sector from the data base was unsuccessful.  
Return code was *ret-code*.

### Cause

z/OS Migrator failed when attempting to read the low level index record for the System Messages object. The program uses the information in this record to control wrapping of message data. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

### Action

-

## EFM0704W

An attempt to REWRITE a sector into the database was unsuccessful.  
Return code was *ret-code*.

**Cause**

z/OS Migrator failed when attempting to rewrite the low level index record for the System Messages object. The program uses the information in this record to control wrapping of message data. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

**EFM0705W**

Format error in a directory record.

**Cause**

z/OS Migrator failed when attempting to modify the user information in the low level index record for the System Messages object. The program uses the information in this record to control wrapping of message data. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMSGW

**Action**

-

**EFM0706E**

Migration of dataset from HIPERSWAP volume *volser* not supported.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate source volume features for a migration group being activated. The program found that the named dataset will be migrated from a device that is flagged as having the HIPERSWAP function active. This is not currently supported by the product. z/OS Migrator group activation is terminated.

**Detecting CSECT:** EFMMVUCB

**Action**

Terminate the HIPERSWAP session for the volume, if possible, and attempt to activate the group again.

**EFM0707E**

Migration of dataset to HIPERSWAP volume *volser* not supported.

**Cause**

z/OS Migrator called the EFMMVUCB routine to validate target volume features for a migration group being activated. The program found that the named dataset will be migrated to a device that is flagged as having the HIPERSWAP function active. This is not currently supported by the product. z/OS Migrator group activation is terminated.

**Detecting CSECT:** EFMMVUCB

**Action**

Terminate the HIPERSWAP session for the volume, or ensure the volume will not be selected at a target, and attempt to activate the group again.

## EFM0708S

```
EFMMSYLM task has abended.
```

**Cause**

z/OS Migrator is terminating due to an abend.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0709E

```
EFMMHOOK install failed for device: unit-address RC: rc-data RS: rs-data.
```

**Cause**

z/OS Migrator received an error when attempting to install the hook for the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0710E

```
L/M Driver failed to start RC: rc-data RS: rs-data.
```

**Cause**

z/OS Migrator received an error when attempting to start the L/M driver. The return and reason codes are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFM0711E

```
L/M Driver detach failed RC: rc-data RS: rs-data.
```

**Cause**

z/OS Migrator received an error when attempting to detach the L/M driver. The return and reason codes are displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

**EFM0720I**

Completion checking rescheduled for group *group*.

**Cause**

z/OS Migrator has reset the error status from a previous unsuccessful completion check. z/OS Migrator will attempt completion checking for this group at the next heartbeat interval.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

**EFM0721W**

COMPLETE/TERMINATE command unsuccessful.

**Cause**

A COMPLETE or TERMINATE command was rejected because the z/OS Migrator options allow completion to occur automatically, so the command is not required. If the command was issued to force a reappraisal of the divert status of a single group, or groups, the command was rejected because completion checking had not previously failed for the specified group, or groups. z/OS Migrator processing continues.

**Detecting CSECT:** EFMMCOMM

**Action**

-

**EFM0722E**

COMPLETE command rejected for *grp\_name*. Group owned by *sys\_name*.

**Cause**

z/OS Migrator has not scheduled completion/termination processing for the specified group, *grp\_name*, as *sys\_name* is not the group-owning z/OS Migrator instance.

**Detecting CSECT:** EFMMCOMM

**Action**

Issue the COMPLETE/TERMINATE command from the z/OS Migrator instance that owns the specified group, *grp\_name*.

## EFM0723E

COMPLETE command rejected for group. Group not found.

### Cause

z/OS Migrator was unable to locate the group specified in the command. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

### Action

Resubmit the command with the correct group name.

## EFM0724W

COMPLETE command rejected for group. Group not diverting.

### Cause

The group specified in the COMPLETE/TERMINATE command is not ready to begin completion checking. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

### Action

If the NOAUTOTRM debugging option is in effect, the command should be reissued once the group has reached the divert phase.

## EFM0725W

COMPLETE command not required for group *group*.

### Cause

A request to begin (or redrive) completion checking for the specified group on this system has been rejected because it appears that completion processing is already in progress. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

### Action

-

## EFM0726W

COMPLETE command rejected. No applicable groups.

### Cause

A request to begin (or redrive) completion checking for all groups on this system has been rejected because no group was found that was ready for completion on this system. The NOAUTOTRM debugging option is in effect. z/OS Migrator execution continues.



**Detecting CSECT: EFMMCOMM****Action**

If the message EFM0722E was issued as part of the command response, reissue the command on the group's owning system. Otherwise, wait for the group(s) to reach the divert phase.

**EFM0727E**

Device has SOFT FENCE Attribute set. Device: *ccuu*. Group: *grpname*

**Cause**

During device UCB validation processing, device *ccuu* in group *grpname* was found to have the Soft Fence attribute set which precludes the device from participation in a migration event. Group activation fails.

**Detecting CSECT: EFMMVUCB****Action**

Correct status for device *ccuu* and retry the migration action.

**EFM0904S**

Subsystem not found.

**Cause**

No subsystem was found to initialize the z/OS Migrator. z/OS Migrator execution terminates.

**Detecting CSECT: EFMMSSMI****Action**

-

**EFM0905I**

Subsystem was loaded at: *addr1*.

**Cause**

No subsystem was found to initialize z/OS Migrator. z/OS Migrator execution terminates.

**Detecting CSECT: EFMMSSMI****Action**

-

**EFM0906I**

Subsystem was successfully loaded.

**Cause**

No subsystem was found to initialize the z/OS Migrator. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSSMI

**Action**

-

## EFM0907S

The load failed for EFMMSSM, diagnostic info as follows R15: *return-code* R14: *r14-data* REX: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

**Action**

-

## EFM0908S

Parameter error loading EFMMSSM, diagnostic info is R14: *r14-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

**Action**

-

## EFM0909S

The load failed for EFMMSSM, diagnostic info as follows R15: *return-code* R14: *r14-data* REX: *rex-data*.

**Cause**

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

**Action**

-

## EFM0910S

The BLDL failed for EFMMSSM, return code, R15: *return-code*.

### Cause

The BLDL of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

### Action

-

## EFM0911S

The load failed for EFMMSSM, the STORAGE OBTAIN return code follows: *rc-data*.

### Cause

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

### Action

-

## EFM0912S

The load failed for EFMMSSM, the reason code follows: *rc-data*.

### Cause

The load of the displayed module failed, with diagnostic information displayed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSSMI

### Action

-

## EFM1006S

Validation of the SMF System Management Control Area control block failed.

### Cause

z/OS Migrator could not validate the SMF System Management Control Area (SMCA). z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMAI3

**Action**

-

## EFM1007S

```
EFMMAI3 LOAD Failure: R1=xxxxxxx R15=yyyyyyyy
```

**Cause**

During initialization, EFMMAIN was unable to load a copy of EFMMAI3 used in the creation of the EFMM control block.

R15 holds the ABEND code that would have resulted had the LOAD error not been trapped, represented by xxxxxxxx. An example would be R1=0000806 indicating EFMMAIN could not find the EFMMAI3 linklib module to LOAD. R15 holds the reason code, represented by yyyyyyyy, for the particular ABEND code reported via R1. Initialization terminates and z/OS Migrator ends with a return code of 12.

**Detecting CSECT:** EFMMMAIN

**Action**

Determine why the LOAD process for LINKLIB member EFMMAI3 failed by interpreting the return and reason codes listed with this message. Contact EMC support personnel for further assistance if needed.

## EFM1026S

```
The EFMMMAIN program has detected an abend causing termination of migrations.
```

**Cause**

An abend indicating an unrecoverable error was detected by module EFMMMNIIT. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMNIIT

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1034S

```
The SECCOM DD statement is missing.
```

**Cause**

The required DD statement "SECCOM" was not supplied or the DDname was misspelled. This DD statement defines a load module library containing the EFMKEYS member that was built by the SYSOPTN job.

z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMAI3

**Action**

Correct the JCL and resubmit the z/OS Migrator job.

## EFM1035W

z/OS Migrator is attempting to execute in a system environment that has not been tested.

**Cause**

z/OS Migrator is attempting to execute upon an unsupported level of the operating system. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMNIIT

**Action**

Check the EMC Online Support website for the latest supported levels and fixes. If additional assistance is needed, contact the EMC Customer Support Center.

Message EFM1729S precedes this message to provide information required by the EMC Customer Support Center personnel.

## EFM1038S

Validation of the SMF System Management Control Area control block failed.

**Cause**

The validation of the SMF System Management Control Area control block failed. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMNIIT

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1092S

The load of a z/OS Migrator module (*module-name*) into fixed ECSA failed. RC=*return-code*.

**Cause**

The load of the named z/OS Migrator I/O Monitor module into the extended common storage area (ECSA) failed. z/OS Migrator execution is terminated.

The first two bytes of the hexadecimal return code contain the system ABEND code from the LOAD macro. The last two bytes contain the corresponding reason code.

**Detecting CSECT:** EFMMMAI3

**Action**

Refer to the EMC z/OS Migrator Product Guide for estimating virtual storage requirements.

## EFM1093S

The load of a z/OS Migrator module (*module-name*) into the extended private area failed. RC=*return-code*.

**Cause**

The load of the named z/OS Migrator module into the extended private area failed. z/OS Migrator execution is terminated.

The first two bytes of the hexadecimal return code contain the system ABEND code from the LOAD macro. The last two bytes contain the corresponding reason code.

**Detecting CSECT:** EFMMMAI3

**Action**

Refer to the EMC z/OS Migrator Product Guide for estimating virtual storage requirements.

## EFM1197S

The EFMMMAIN program has detected an abend that is considered recoverable.

**Cause**

EFMMMAIN has detected a recoverable error. Although MVS has indicated to z/OS Migrator that this abend is considered recoverable, the z/OS Migrator recovery procedure considers all abends as unrecoverable. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1198S

The EFMMMAIN program has detected an abend that is considered unrecoverable.

**Cause**

EFMMMAIN has detected an unrecoverable error. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1216S

The EFMMTERM program has detected an abend that is considered recoverable.

**Cause**

EFMMTERM has detected a recoverable error. Although MVS has indicated to z/OS Migrator that this abend is considered recoverable, the z/OS Migrator recovery procedure considers all abends as unrecoverable. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1217S

The EFMMTERM program has detected an abend that is considered unrecoverable.

**Cause**

EFMMTERM has detected an unrecoverable error. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1221W

During z/OS Migrator termination, a release of virtual storage page(s) occurred.

**Cause**

A failure occurred while releasing page(s) of virtual storage during z/OS Migrator termination. z/OS Migrator termination continues.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1226S

An ECSA (above 16MB) obtain storage request failed storage key check.

**Cause**

An ECSA (above 16MB) obtain storage request for a TSOM area failed the storage key check. The storage was asked for in key eight in subpool 241 for the z/OS Migrator TSO Monitor interface control block but the key of the storage subpool obtained was not key eight. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMNIIT

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1584I

This system has a limitation by license as to the number of migration volumes

**Cause**

z/OS Migrator license in effect on this system is EXPRESS function (limited by the number of volumes that may be migrated). z/OS Migrator session initialization continues.

**Detecting CSECT:** EFMMINIIT

**Action**

None. This is an informational message.

## EFM1585I

This system has a limitation by license as to the vendor of target migrations.

**Cause**

z/OS Migrator license in effect on this system has a vendor limitation (EMC) on target volumes in the migration session. z/OS Migrator session initialization continues.

**Detecting CSECT:** EFMMMAI3

**Action**

None. This is an informational message.



## EFM1586I

This system has a limitation by license as to the number of migration terabytes.

### Cause

z/OS Migrator license in effect on this system is TERABYTE/DEMO function (limited by the number of terabytes that may be migrated). z/OS Migrator session initialization continues.

**Detecting CSECT:** EFMMMAI3

### Action

None. This is an informational message.

## EFM1587E

The number of bytes being migrated exceeds the number remaining in license.

### Cause

z/OS Migrator session exceeds the number of tracks remaining in this z/OS Migrator license. The number of tracks has a direct correlation to the numbers of terabytes in the license. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMSSLM

### Action

-

## EFM1588E

The commit of tracks being migrated for group *group* failed return code is: *return-code*.

### Cause

z/OS Migrator session exceeds the number of tracks remaining in this z/OS Migrator license. The number of tracks has a direct correlation to the numbers of terabytes in the license. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMSSLM

### Action

-

## EFM1631I

Communication information successfully written to History dataset.

**Cause**

This message may be issued by a migration job. It indicates that the logging function successfully wrote desired information. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

None. This is an informational message.

## EFM1632I

```
History logging feature not installed.
```

**Cause**

This message may be issued by a migration job. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Define a logging data set in the SYSOPTN job. Refer to the EMC z/OS Migrator Product Guide for more information.

## EFM1633W

```
History Log dataset access failed authority check.
```

**Cause**

This message may be issued by a migration job. The user does not have WRITE access to the History dataset. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1634W

```
Logging function ESTAE recovery invoked.
```

**Cause**

This message may be issued by a migration job. Logging function has invoked its recovery routines. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1635W

Unable to gain exclusive control of History dataset.

### Cause

z/OS Migrator session was unable to gain control of the SYSDSN/dataset\_name ENQ resource within 30 seconds. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1636W

Reading SYSCOM dataset JFCB failed.

### Cause

This message may be issued by a migration job. The History Logging routine was unable to determine the name of the Communications dataset. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

### Action

Contact the EMC Customer Support Center for additional information.

## EFM1637W

Parsing dataset name error.

### Cause

This message may be issued by a migration job. Error in parsing logging function History dataset name. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

### Action

Contact the EMC Customer Support Center for additional information.

## EFM1638W

Allocation of History dataset failed.

**Cause**

This message may be issued by a migration job. Error in allocating logging function's History dataset. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Contact the EMC Customer Support Center for additional information.

## EFM1639W

```
Reading History dataset JFCB failed.
```

**Cause**

This message may be issued by a migration job. Obtaining the History dataset's JFCB information failed.

If message is generated by a migration job, it does not affect that job's success. For a migration, it is not considered a terminating error.

**Detecting CSECT:** EFMMTERM

**Action**

Contact the EMC Customer Support Center for additional information.

## EFM1640W

```
Open of History dataset failed.
```

**Cause**

This message may be issued by a migration job. Open of the History dataset failed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Contact the EMC Customer Support Center for additional information.

## EFM1641W

```
Deallocation of History dataset failed.
```

**Cause**

This message may be issued by a migration job. Error in deallocating logging function's History dataset.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

**Action**

Contact the EMC Customer Support Center for additional information.

## EFM1642W

History dataset definition invalid.

### Cause

This message may be issued by a migration job. Either the History logging dataset does not exist on the DASD volume returned by dynamic allocation, or it is not a sequential data set with fixed length 80 byte records. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

### Action

Contact the EMC Customer Support Center for additional information.

## EFM1643W

Invalid call to logging function.

### Cause

An invalid call was made to the logging function. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMTERM

### Action

Contact the EMC Customer Support Center for additional information.

## EFM1644W

Writing of data to History Logging dataset failed.

### Cause

A write operation to the History logging dataset failed. z/OS Migrator execution continues.

Most likely, the dataset is full. SYSLOG should also contain a message giving more information on what generated this message.

**Detecting CSECT:** EFMMTERM

### Action

Contact the EMC Customer Support Center for additional support.

## EFM1669I

This system is licensed by a z/OS Migrator Service Contract.

### Cause

License in effect on this system is z/OS Migrator Service function. z/OS Migrator session initialization continues.

**Detecting CSECT: EFMMMAI3**

**Action**

None. This is an informational message.

## EFM1713S

```
return-code was the return code from authority checking at system
initialization.
```

**Cause**

Indicates the return code received from z/OS Migrator authority checking. z/OS Migrator initialization fails.

**Detecting CSECT: EFMMMNIIT**

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1714S

```
Authorization failure.
```

**Cause**

The EFMMMNIIT program encountered an error during authority checking. z/OS Migrator initialization fails.

**Detecting CSECT: EFMMMMAIN**

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1722I

```
Installed software for this system is: z/OS Migrator patch_level
Level Software.
```

**Cause**

z/OS Migrator Software Level for this system. z/OS Migrator execution continues.

**Detecting CSECT: EFMMMNIIT**

**Action**

None. This is an informational message.

## EFM1725S

```
z/OS Migrator change summary module corrupted.
```

### Cause

z/OS Migrator change summary module is corrupted or not formatted properly. z/OS Migrator terminates immediately.

**Detecting CSECT:** EFMMMNIIT

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1726S

```
z/OS Migrator change summary module could not be loaded.
```

### Cause

z/OS Migrator change summary module could not be loaded from load library. z/OS Migrator terminates immediately.

**Detecting CSECT:** EFMMMNIIT

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM1727I

```
Installed software for this system is: z/OS Migrator patch_level  
Level.
```

### Cause

The z/OS Migrator Software Level for this system is as displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMNIIT

### Action

None. This is an informational message.

## EFM1728I

```
Installed software for this system is: z/OS Migrator Base Level.
```

### Cause

The z/OS Migrator Software Level for this system is displayed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMNIIT

### Action

None. This is an informational message.

## EFM1729S

```
Unexpected CVT flag(s) at offset X'offset'. Contents of this byte:  
X'flag-byte'.
```

### Cause

The CVT on this MVS system indicates an unsupported release of the operating system, or the presence of an unsupported feature.

Message EFM1035S is issued, to indicate that z/OS Migrator is executing in a non-certified environment. z/OS Migrator execution is then terminated.

**Detecting CSECT:** EFMMMNIIT

### Action

Contact the EMC Customer Support Center for assistance. Inform the Support Center of the two hexadecimal values, offset and flag-byte, contained in the message text.

## EFM1747S

```
The module IECDPRFX was not found in the MVS nucleus.
```

### Cause

The required module was not found in the MVS system. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMNIIT

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.



## EFM2001E

Allocation failed for dataset *target-dataset*; Return codes: *return-code*, *reason-code*.

### Cause

The specified target dataset could not be allocated.

Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

## EFM2002E

I/O error reading volume label for volume *volser*.

### Cause

An error was encountered by the SNAP routine when attempting to read a volume label. Group activation will be terminated.

**Detecting CSECT:** EFMMSSLM

### Action

Identify and correct the cause of the I/O error.

## EFM2003E

Error reading VVDS records for dataset: *source-dataset*

### Cause

An error was encountered by the SNAP routine when attempting to read a record from the VVDS of a source volume. Group activation will be terminated.

**Detecting CSECT:** EFMMSSLM

### Action

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

## EFM2004E

Error updating VVDS records for dataset: *target-dataset*

**Cause**

An error was encountered by the SNAP routine when attempting to rewrite a record into the VVDS of a target volume. Group activation will be terminated.

**Detecting CSECT:** EFMMSSLM

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

## EFM2005E

```
Unable to create target DSN for target-dataset
```

**Cause**

The specified target dataset mask is invalid and causes a target dataset name of over 44 characters to be generated for the specified source dataset. Group activation will be terminated.

**Detecting CSECT:** EFMMSSLM

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

## EFM2006E

```
Target dataset already exists: target-dataset.
```

**Cause**

The specified target dataset could not be allocated. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

**Action**

Choose a different target dataset mask. If the target dataset was created by an earlier z/OS Migrator migration it should be deleted, or the REPLACE(YES) option should be specified.

## EFM2007E

```
Target dataset already exists: target-dataset.
```

**Cause**

The specified target dataset could not be allocated. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

**Action**

Choose a different target dataset mask. If the target dataset was created by an earlier z/OS Migrator migration it should be deleted, or the REPLACE(YES) option should be specified.

**EFM2008E**

Multiple source datasets exist for the same target.

**Cause**

The specified target dataset mask results in the same target dataset name being generated for multiple source dataset. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

**Action**

Choose a different target dataset mask.

**EFM2009E**

Insufficient authority to process volume *volser*.

**Cause**

The z/OS Migrator user does not have sufficient RACF authority (ALTER) to process the specified volume.

Group activation will be terminated.

**Detecting CSECT:** EFMMSSLM

**Action**

Use a different RACF userid when executing z/OS Migrator, or modify the DASDVOL resources' access lists for the volumes that will participate in this group migration.

**EFM2010E**

Source dataset has no extents: *source-dataset*

**Cause**

The specified source dataset is allocated with no space. It cannot be migrated by z/OS Migrator. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

**Action**

Change the group definition to exclude this dataset.

## EFM2011E

Source dataset catalogued to an offline volume: *source-dataset*

### Cause

The specified source dataset is catalogued to a volume that is not online. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

Ensure that this dataset is online to all participating servers, or change the group definition to exclude it.

## EFM2012E

Source dataset *source-dataset* not found on volume.

### Cause

The specified source dataset name was not found on the volume to which it is catalogued. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

Determine why the dataset could not be found, then restore it or recatalog it to the correct volume, uncatalog it, or change the group definition to exclude it.

## EFM2013E

Source dataset *source-dataset* allocated at absolute track address.

### Cause

The specified source dataset was allocated using the ABSTR space parameter, and cannot be migrated by z/OS Migrator. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

Change the group definition to exclude this dataset.

## EFM2014E

Source dataset *source-dataset* is ISAM.

### Cause

The specified source dataset has the obsolete Indexed Sequential architecture, and cannot be migrated by z/OS Migrator. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

Change the group definition to exclude this dataset.

## EFM2015E

Source dataset *source-dataset* is HFS.

### Cause

The specified source dataset is an Open Edition Hierarchical File System, and these files cannot currently be migrated by z/OS Migrator. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

Change the group definition to exclude this dataset.

## EFM2016E

Source dataset *source-dataset* is a system Page or Swap dataset.

### Cause

The specified source dataset is in use as a page or swap dataset. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

### Action

Use the Pagedel command to drain the dataset and remove it from use. It can then be deleted and reallocated on the target volume. Change the group definition to exclude this dataset.

## EFM2017E

Source dataset *source-dataset* is extended format VSAM.

### Cause

The specified source dataset has the VSAM extended format. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT: EFMMSSLM**

**Action**

Change the group definition to exclude this dataset.

## EFM2018E

Failure reading DSCB for target dataset: *target-dataset*

**Cause**

An error was encountered by the SNAP routine when attempting to access a DSCB using the CVAFDIR facility. Group activation will be terminated.

**Detecting CSECT: EFMMSSLM**

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

Determine and correct the cause of this error.

## EFM2019E

Failure writing DSCB for target dataset: *target-dataset*

**Cause**

An error was encountered by the SNAP routine when attempting to write a DSCB using the CVAFDIR facility. Group activation will be terminated.

**Detecting CSECT: EFMMSSLM**

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

Determine and correct the cause of this error.

## EFM2020E

Failure reading DSCB for source dataset: *source-dataset*

**Cause**

An error was encountered by the SNAP routine when attempting to read VVDS records. Group activation will be terminated.

**Detecting CSECT: EFMMSSLM**

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

## EFM2024I

```
group is now state (old-status->new-status) at routine + offset
```

### Cause

The specified group status has changed. The routine name and the hexadecimal offset in the message identify the caller of the SET\_GROUP\_STATUS subroutine. Group status is changed and processing continues.

**Detecting CSECT:** EFMMUTIL

### Action

None. This is an informational message.

## EFM2025I

```
group is being suspended/deactivated (old-status->new-status) on system
```

### Cause

The specified group status has changed locally. Group status is changed and processing continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM2026I

```
group has been suspended/deactivated (old-status->new-status) on system
```

### Cause

The specified group status has changed locally. Group processing continues.

**Detecting CSECT:** EFMMDBHB

### Action

None. This is an informational message.

## EFM2027I

```
Server system now considered idle
```

### Cause

The specified server has not updated its heartbeat for longer than the idle threshold interval. The system state will not be considered in processing any group state change requests.

**Detecting CSECT:** EFMMDBHB

**Action**

None. This is an informational message.

## EFM2030E

```
DUPLICATE TARGET SELECTION: grpname datasetname
```

**Cause**

During Activation GROUP SET statement processing for a logical migration group, it was determined that a SET statement would resolve to include a DUPLICATE of a TARGET *datasetname* already in use from an earlier SET statement processed as part of group *grpname*.

*grpname* is the established Migrator LM group name and

*datasetname* is the name of the TARGET dataset already in use within *grpname*.

Group activation for group *grpname* continues but the duplicate TARGET dataset is not included in the progress of group *grpname*. The duplicate dataset(s) will also display as a DUPL\*\*\* if the DISPLAY DSN command is issued for group *grpname*.

**Detecting CSECT:** EFMMSNAP

**Action**

Modify the GROUP SET statement to avoid any duplication of the target *datasetname*.

## EFM2033W

```
DATASET dsname ALREADY IN USE BY grpame
```

**Cause**

During processing of the group definition by the SNAP interface, a duplicate dataset name was found or resolved during processing of the SET directive whereby the list of datasets to be included in a logical migration group is created.

*dsname* is the dataset name and can be up to 44 characters in length and *grpname* is the z/OS Migrator group name being processed.

**Detecting CSECT:** EFMMSNAP

**Action**

Modify the group definition to ensure there are no duplicate dataset names when the group is resolved and promoted for z/OS Migrator activation. A dataset can only be included as part of a single logical migration group and can only be referenced a single time from within a single logical migration group. See the EMC z/OS Migrator Product Guide for additional information on setting up logical migration groups and ensuring a list of unique datasets.

## EFM2051E

```
Ran out of target volumes with sufficient space for dataset target-dataset.
```



**Cause**

The specified target dataset could not be allocated. Group activation will be terminated unless the option to continue after an allocation failure was set.

**Detecting CSECT:** EFMMSSLM

**Action**

The activation failure messages generated by SNAP for this group can be accessed from the ISPF Monitor. These messages might contain additional diagnostic information.

Determine why insufficient candidate volumes were available for this allocation. Either correct the problem that caused volumes to be rejected, or ensure that sufficient eligible volumes are specified for the group.

## EFM5000I

Return Code from Authority Facility was *return-code*.

**Cause**

CPU passed z/OS Migrator Authority validation and displays a return code. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMLKEY

**Action**

None. This is an informational message.

## EFM5001W

Return Code from Authority Facility was *return-code*.

**Cause**

The CPU identification passed z/OS Migrator authority validation. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMLKEY

**Action**

-

## EFM5002W

Return Code from Authority Facility was *return-code*

**Cause**

Indicates that this CPU did not pass z/OS Migrator Authority validation.

**Detecting CSECT:** EFMMLKEY

**Action**

The installation of the security keys may have been performed on a CPU different from the one where z/OS Migrator will run. If this message was unexpected, verify all

the statements supplied in SYSOPTN job since some of them will impact the security key verification.

If the job failed on a licensed CPU, contact the EMC Customer Support Center for assistance.

## EFM5003S

Return Code from Authority Facility was *return-code*.

### Cause

Indicates that z/OS Migrator Authority checking had an internal error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

All of the return codes from Authorization Facility are listed in the EMC z/OS Migrator Product Guide. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5004E

Return Code from open of SYSIN = *return-code*

### Cause

Non-zero return code indicates a failure during open. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

All return codes from Authorization Facility are listed in the EMC z/OS Migrator Product Guide. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5005E

Return Code from open of SYSPRINT = *return-code*

### Cause

Non-zero return code indicates a failure during open. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

All return codes from Authorization Facility are listed in the EMC z/OS Migrator Product Guide. Search the EMC Knowledgebase on the EMC Online Support website

for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5006E

Read of Security record failed, RC = *return-code*

### Cause

The Security Record could not be located in the z/OS Migrator library on the SECCOM DD statement or an error occurred when attempting to read it into virtual storage. z/OS Migrator execution terminates. The return code displayed in the message is set by the EFMMUKEY module.

**Detecting CSECT:** EFMMMLKEY, EFMMMKEY

### Action

Review the installation process. If unable to resolve the error, search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5007E

Updating of Security record failed, RC = *return-code*

### Cause

Updating of Security record failed. z/OS Migrator execution terminates. The return code displayed in the message is set by the EFMMUKEY module.

**Detecting CSECT:** EFMMMLKEY, EFMMMKEY

### Action

Refer to EMC z/OS Migrator Product Guide for explanation of return codes. If unable to resolve the problem, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5008E

Dynamic Load of z/OS Migrator module EFMMLOGS failed.

### Cause

An attempt to dynamically load the required z/OS Migrator module EFMMKEY failed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMLKEY

**Action**

Check the installation process. If unable to resolve the error, search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5011E

```
Dynamic Load of z/OS Migrator module EFMMUKEY failed.
```

**Cause**

An attempt to dynamically load the required z/OS Migrator module EFMMUKEY failed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Check the installation process. If unable to resolve the error, search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5012E

```
No valid PCCA pointer for CPUID found.
```

**Cause**

A valid pointer to the PCCA could not be located for a specified CPUID. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5013E

```
Maximum number of Input statements exceeded.
```

**Cause**

Only 75 non-comment statements are allowed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Check the installation process. If unable to resolve the error, search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EFM5014E**

More than one feature statement.

**Cause**

Only one feature statement is allowed. This may also occur if trying to change feature type with PARM='UPDATE' specified in the SYSOPTN job. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statements and rerun job.

**EFM5015E**

First statement must be z/OS Migrator Version statement.

**Cause**

The first non-comment statement must be the z/OS Migrator Version statement. z/OS Migrator terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statements and rerun job.

**EFM5016E**

SITE NUMBER statement invalid.

**Cause**

The SITE NUMBER statement is in error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statements and rerun job.

**EFM5017E**

SMF RECORD ID statement invalid.

**Cause**

The SMF RECORD ID statement is in error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statements and rerun job.

## EFM5018E

WTO MESSAGES FOR AUTOMATED OPERATIONS REQUIRED statement invalid.

**Cause**

The WTO MESSAGES FOR AUTOMATED OPERATIONS REQUIRED statement is in error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statements and rerun job.

## EFM5023E

DISPLAY TIME AS statement invalid.

**Cause**

The DISPLAY TIME AS statement is in error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5024E

One of the KEY statements is invalid.

**Cause**

A KEY statement is in error. KEYS are considered as one entity.  
z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement(s) and rerun the job. Check all KEYxx=statements.

## EFM5025E

CORPORATION NAME not defined.

**Cause**

The CORPORATION NAME was not defined in the input statements. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5026E

```
SITE NAME not defined.
```

**Cause**

The SITE NAME was not defined in the input statements. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5027E

```
Data in input statements not identified.
```

**Cause**

Unable to identify some data in the input statements supplied. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5039S

```
z/OS Migrator Security Record is corrupted.
```

**Cause**

z/OS Migrator Security Record was found to be corrupted. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY, EFMMMKEY

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5040S

z/OS Migrator Security Record not initialized.

### Cause

An initialized security record was not found while trying to display the security records from the z/OS Migrator TSO Monitor. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMKEY

### Action

Run the Systems Option (SYSOPTN) job.

## EFM5041E

Must have a minimum of 1 Security Key defined.

### Cause

No security key records were found in the data input for the System Options (SYSOPTN) job. The System Options (SYSOPTN) job must contain a minimum of one KEYxx=statement in the input data.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

Correct the statements and rerun the Systems Option (SYSOPTN) job.

## EFM5042E

z/OS Migrator Security Record not initialized. Must specify PARM=NEW.

### Cause

The security record for z/OS Migrator was not found to be in an initialized condition and the PARM=NEW option was not specified on the JCL EXEC statement. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

Correct the JCL specifying PARM=NEW on the EXEC statement and rerun the Systems Option (SYSOPTN) job.

## EFM5043I

Processing system CPUID is *cpuid*.

### Cause

Displays the CPUID of the processing system. z/OS Migrator execution continues.



**Detecting CSECT:** EFMMLKEY

**Action**

None. This is an informational message.

## EFM5044W

Option *option* is not supported in z/OS Migrator *license-type* Feature.

**Cause**

The specified option is not supported within the indicated z/OS Migrator license type.

The specified option is ignored and z/OS Migrator execution continues.

**Detecting CSECT:** EFMMLKEY

**Action**

-

## EFM5045E

Return Code from History Logging was *return-code*, reason code was *reason-code*- logging not enabled.

**Cause**

An error occurred within the z/OS Migrator LOGS support program. z/OS Migrator execution continues but History Logging is not enabled.

**Detecting CSECT:** EFMMLKEY

**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of return codes. If unable to resolve the problem, contact the EMC Customer Support Center for assistance.

## EFM5046E

SITE NUMBER not defined.

**Cause**

The SITE NUMBER was not defined in the input statements. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5047E

Statement option duplicated in input statements.

**Cause**

The specified statement was duplicated within the input statements. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM5049I

Return Code from Security Record access was *return-code*.

**Cause**

Successful return from EFMMUKEY. z/OS Migrator execution continues.

**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of return codes.

## EFM5050E

Return Code from Security Record access was *return-code*, Reason code was *reason-code*.

**Cause**

An error occurred in the EFMMUKEY program. z/OS Migrator execution continues.

**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of return and reason codes.

If unable to resolve the problem, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5051I

Return Code from Terabyte access was *return-code*.

**Cause**

Successful return from EFMMUQTY. z/OS Migrator execution continues.

**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of return codes.

## EFM5052E

Return Code from Terabyte access was *return-code*, reason code was *reason-code*.

### Cause

An error occurred in the EFMMUQTY program. z/OS Migrator execution continues.

### Action

Refer to the EMC z/OS Migrator Product Guide for explanation of return and reason codes. If unable to resolve the problem, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5053E

Dynamic Load of z/OS Migrator module EFMMGMSG failed.

### Cause

An attempt to dynamically load the required z/OS Migrator module EFMMGMSG failed. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

Review the installation process. If unable to resolve the error, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5054I

Monitor user *user-id* received return code *return-code* from Installation Security Environment.

### Cause

TSO user was using the Installation Security Environment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMKEY

### Action

Refer to the EMC z/OS Migrator Product Guide for explanation of return codes.

## EFM5055I

```
Installation Security Environment modified by monitor user user-id.
```

### Cause

TSO user modified the Installation Security Environment. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMKEY

### Action

None. This is an informational message.

## EFM5058E

```
z/OS Migrator Authorization System update required.
```

### Cause

z/OS Migrator Authorization System update required. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

z/OS Migrator must be reinstalled using the most currently available z/OS Migrator software.

## EFM5060E

```
z/OS Migrator license-type Feature not supported at this version.
```

### Cause

The designated feature is not supported at this version of z/OS Migrator. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

### Action

Check the installation process. If unable to resolve the error, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5061E

```
A z/OS Migrator Feature statement can not be specified with  
PARM='UPDATE'.
```

**Cause**

PARM=UPDATE and z/OS Migrator Feature statements are mutually exclusive requests. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

When the z/OS Migrator Feature statement is included in the input, PARM=NEW must be specified to update the security record. All necessary input statements are required.

## EFM5062E

ISPF Version variable not correct.

**Cause**

The z/OS Migrator TSO Monitor did not set the ISPF version variable correctly. z/OS Migrator execution terminates.

Module EFMMID is responsible for setting this variable when the z/OS Migrator TSO Monitor is started. **Detecting CSECT:** EFMMLVL, EFMMMKEY

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5063E

SYSOPTN Input Statements appears to have Numbers.

**Cause**

SYSOPTN Input Statements appears to have numbers. Some statements can go to columns 78. Input statements can not have data in the standard number columns 73-80. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

When editing the input for SYSOPTN, turn off numbering of the data prior to submitting the job.

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM5073E

TERABYTES statement invalid.

**Cause**

The TERABYTES statement is in error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMLKEY

**Action**

Correct the statement and rerun the job.

## EFM9801S

```
EFMMRMON program must be APF-Authorized.
```

**Cause**

The z/OS Migrator RESERVE Monitor was not linkedited with an authorization code of "1", or is being executed from an unauthorized library. The Reserve Monitor abends with code U0001.

**Detecting CSECT:** EFMRRMON

**Action**

Relink the program into an authorized library with an authorization code of "1".

## EFM9802I

```
stepname RESERVE Monitor program ready.
```

**Cause**

The z/OS Migrator RESERVE Monitor is active. The program will continue to execute until stopped by the MVS operator. The program waits for an operator command.

**Detecting CSECT:** EFMRRMON

**Action**

Use the stepname from the message to enter modify ("F stepname,DISPLAY") or stop ("P stepname") commands.

## EFM9803I

```
stepname RESERVE counts:
```

**Cause**

This multiline WTO is issued in response to a display or stop command and presents the number of RESERVE requests intercepted since the program was started. Each line in the response consists of a resource major name, the number of RESERVE requests that resulted in a physical device reserve and the number of requests that were converted by GRS to a global (logical) ENQ type.

If the operator had entered the modify command, the program waits for another operator command. Otherwise the program terminates normally.

**Detecting CSECT:** EFMRRMON

**Action**

-

## EFM9806E

```
stepname Command rejected: Not "DISPLAY".
```

**Cause**

This WTO is issued in response to a modify command with an unrecognizable parameter. The only parameter currently supported is "DISPLAY", or any abbreviation thereof.

The program continues to wait for operator commands.

**Detecting CSECT:** EFMMRMON

**Action**

Use the stepname from the message to enter modify ("F stepname,DISPLAY") or stop ("P stepname") commands.

## EFM9807E

```
stepname No RESERVEs intercepted.
```

**Cause**

This WTO is issued in response to a modify or stop operator command if the ENQ batch exit installed by the Reserve Monitor did not detect any RESERVE requests.

The program continues to operate.

**Detecting CSECT:** EFMMRMON

**Action**

-

## EFM9808S

```
Reserve Monitor Token could not be created.
```

**Cause**

The Reserve Monitor is attempting to install the Name/Token structure used by the dynamic ENQ exit. The call to IEANTCR was unsuccessful. The program terminates with a U0005 abend.

**Detecting CSECT:** EFMMRMON

**Action**

Make one more attempt to start the program. If this is not successful, review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9809S

```
Reserve Monitor could not install the dynamic Exit.
```

### Cause

The Reserve Monitor is attempting to install the dynamic ENQ batch exit. The call to CSVDYNEX was unsuccessful.

The program terminates with a U0006 abend. The CSVDYNEX service writes explanatory messages to the job log and operator console.

**Detecting CSECT:** EFMRRMON

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9810S

```
CA-MIM Active. Use 'display counts' command.
```

### Cause

The Reserve Monitor has determined that CA-MIM is active in this system. In this case, the ENQ batch exit might not be able to provide accurate reserve conversion statistics, so the user is advised to use the equivalent function provided in CA-MIM.

The program terminates with a U0007 abend.

**Detecting CSECT:** EFMRRMON

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9811S

```
ESTAE failed.
```

### Cause

The z/OS Migrator Reserve Monitor failed to establish a recovery environment. The program terminates with a U0002 abend.

**Detecting CSECT:** EFMRRMON

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.



If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9812S

```
Reserve Monitor already active.
```

### Cause

The z/OS Migrator Reserve Monitor has detected that a previously started copy of the program is still active. The program terminates with a U0003 abend.

### Action

Communicate with the monitor that is already active.

## EFM9813S

```
stepname Invalid CIB pointer. Terminating.
```

### Cause

The z/OS Migrator Reserve Monitor has been posted to process a modify or stop operator command. The command input buffer (CIB) could not be retrieved.

The program terminates with a U0010 abend.

**Detecting CSECT:EFMMRMON**

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9814S

```
stepname Delete CIB failed. Terminating.
```

### Cause

The z/OS Migrator Reserve Monitor has been posted to process a modify or stop operator command. The command input buffer (CIB) could not be returned to the system.

**Detecting CSECT:EFMMRMON**

### Action

The program terminates with a U0011 abend. Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFM9815I

```
stepname EFMMRMON acknowledges STOP command.
```

### Cause

The z/OS Migrator Reserve Monitor has been terminated by operator command. The program terminates normally.

**Detecting CSECT:**EFMMRMON

### Action

None. This is an informational message.

## EFM9900E

```
Message number n was not found.
```

### Cause

The indicated message number *n* was not found in the message table. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCMSG, EFMMVPST

### Action

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMD010E | EFMD010I | EFMD010W

```
dsname dstype status
```

### Cause

The dataset indicated has been processed. The *dstype* may be CLSTR, PATH, VSAM or NVSAM. The *status* indicates whether the processing was successful.

Statuses and their meaning are:

**BYPASS:** The dataset was bypassed because a related component was not processed or because SIMULATE was specified.

**CATALOG FAIL:** The request to catalog this non-VSAM dataset failed.

**CLUSTER ERR:** The cluster associated with this VSAM component dataset had an error during processing.

**COMPLETED:** The dataset has been successfully processed.

**CTLG ACCESS:** An error occurred while accessing the catalog for this dataset in order to perform the security check.

**DEFPATH FAIL:** An error occurred while attempting to define a path.

**GDG BASE ERR:** An error occurred while attempting to define a GDG base for this GDG dataset.

**MISSING VVR:** The VVR record was not found in the VSAM vvds dataset.

**NAME 2 LONG:** The dataset matched a RENAME request statement, but the new dataset name is greater than 44 characters.

**NO CLUSTER:** Unable to determine the base cluster associated with an AIX dataset.

**NO DSORG:** The dataset dsorg did not match the types of datasets selected for processing. Refer to the PROCESS request statement for this device. If VSAM was requested, then datasets with a dstype of NVSAM will not be selected for processing. Likewise, if NON-VSAM was requested, then datasets with a dstype of CLSTR will not be selected for processing.

**NOT CATLG'D:** A catalog was not specified on this request.

**NOT SELECTED:** The dataset did not match any RENAME request statements.

**NVSAM ONLY:** This is a VSAM dataset and only non-VSAM datasets have been selected for processing.

**RECAT FAILED:** The request to recatalog this VSAM dataset failed.

**RENAME FAIL:** The request to rename this dataset failed.

**\*RESERVED\*:** The dataset may not be processed. This includes the VTOC index dataset, the VSAM vvds dataset and all catalog datasets.

**SECURITY ERR:** This user does not have the appropriate security for processing this dataset.

**VOL MISSING:** One or more volumes of a multi-volume dataset are not selected for processing.

**VSAM ONLY:** This is a non-VSAM dataset and only VSAM datasets have been selected for processing. In some cases, the IDCAMS output from the request is included in the jobstream.

**2 MANY VOLS:** A multi-volume dataset has too many volumes. This can occur if the source dataset is not found in the source catalog or if the dataset name was found on more volumes than expected. For instance, a three volume dataset is found on four different volumes.

**> 59 VOLUMES:** A catalog lookup indicated that this was a multi-volume dataset. There are more than 59 volumes in the list of eligible volumes.

#### **Detecting CSECT: EFMMRENM**

##### **Action**

Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

## **EFMM000I**

EMC z/OS Migrator vv.r.m initializing.

##### **Cause**

z/OS Migrator has started the initialization process. *v.r.m* represents the "*version.release.modifier*" for the currently maintained product level

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFMM001I

```
EMC z/OS Migrator build date: mm/dd/yyyy
```

**Cause**

z/OS Migrator is initializing and this message is displayed showing the base build date for the overall production z/OS Migrator version you are starting

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFMM002I

```
EMC z/OS Migrator vv.r.m is active
```

**Cause**

z/OS Migrator has started the initialization process. *v.r.m* represents the "*version.release.modifier*" for the currently maintained product level.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFMM003I

```
Cleaning up old environment
```

**Cause**

z/OS Migrator has started the initialization process and has detected a prior environment which it is now attempting to clean up after to ensure all prior resources that required freeing have been released and are now available for the current z/OS Migrator instance.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFMM004W

```
Old environment at @ nnnnnnnn has been orphaned
```

### Cause

z/OS Migrator, during initialization, has detected an environment that requires cleaning up after but which is not part of the normal prior environment chain of control blocks.

z/OS Migrator execution continues. This is a warning message but normal z/OS Migrator processing continues unimpeded.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFMM005I

```
z/OS Migrator is terminating
```

### Cause

z/OS Migrator is shutting down.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFMM017E

```
ssid load failed for cross memory routine
```

### Cause

During Migrator initialization, the cross systems services routine EFMMPCR1 could not be located in the STEPLIB concatenation and thus could not be loaded into common storage for use by all external services requiring access to the z/OS Migrator address space.

EFMMPCR1 is a required module and if z/OS Migrator is unable to load this routine into common storage, the z/OS Migrator address space will not successfully complete initialization.

*ssid* is the subsystem ID for the z/OS Migrator instance.

**Detecting CSECT:** EFMMMAIN

### Action

Check STEPLIB concatenation and ensure EFMMPCR1 is within this path during initialization. Contact EMC support services if this module is missing from your base EMC Libraries or is somehow corrupted, preventing load.

## EFMM019E

### Format 1:

```
BAD CPFX CHARACTERS FOR pppppppp
```

### Format 2:

```
BAD SUBS CHARACTERS ssss FOR pppppppp
```

### Format 3:

```
CPFX ALREADY REGISTERED
```

### Format 4:

```
CPFX IN USE BY ANOTHER EFMM
```

### Format 5:

```
SUPERSET OF EXISTING CPFX
```

### Format 6:

```
RC=rrrrrrrr RE=eeeeeeee
```

### Cause

- Format 1:  
The CPF<sub>X</sub> characters are not in the range of X'41' to X'FE'.  
Where:  
*pppppppp* indicates the command prefix in error
- Format 2:  
The SSID characters are not in the range of X'41' to X'FE'.  
Where:  
*ssss* indicates the SSID in error  
*pppppppp* indicates the command prefix
- Format 3:  
The CPF<sub>X</sub> already exists.
- Format 4:  
The CPF<sub>X</sub> is being used by another EFMM.
- Format 5:  
The CPF<sub>X</sub> is a superset of an existing CPF<sub>X</sub>.
- Format 6:  
The CPF DEFINE request failed.  
Where:  
*rrrrrrrr* indicates the return code.  
*eeeeeeee* indicates the reason code.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Consult the CPF function in the z/OS MVS Authorized Assembler Services Reference manual for further details.

## EFMM025I

```
Command is processing
```

**Cause**

A MAXDIO or MAXCIO command has been processed. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM028W

```
CLEANUP PROCESSING INCOMPLETE, rc=xxxxxxxx
```

**Cause**

A previous z/OS Migrator server environment has been found that is not completely cleaned up.

z/OS Migrator will attempt to complete the cleanup of the prior environment. Further action will be indicated by subsequent messages.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFMM029W

```
EFMMSYLM - shutdown still waiting
```

**Cause**

The z/OS Migrator synchronization task is waiting for its subtasks to complete processing.

EFMMSYLM will continue to wait until a time threshold has been exceeded. The message may repeat several times. The server will terminate itself after a time threshold of several minutes.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFMM034E

COLD START NOT PERMITTED. CLEANUP COMPLETED WITH rc=nnn

### Cause

An attempt to cleanup a prior z/OS Migrator server environment has failed.

The z/OS Migrator server terminates.

**Detecting CSECT:** EFMMMAIN

### Action

Review the JOB log and SYSLOG for related errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM035I

VERSION CHANGE DETECTED. CHANGED TO COLD START

### Cause

The z/OS Migrator server being started is at a different version level than the previously active server. The start mode has automatically been changed to Cold so that internal data areas can be re-formatted.

z/OS Migrator execution continues as a Cold start.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFMM036I

Command Prefix NOT set: CPFXL=00 CFPX=

### Cause

During a warm start of z/OS Migrator, the command prefix parameter was not found in the CONFIG file used to initialize z/OS Migrator resulting in no command prefix associated with the started task.

During a cold start of z/OS Migrator, if the command prefix is not specified, z/OS Migrator will use its own SSID as the command prefix. During a warm start however, where the global control block is reused, the lack of a command prefix in the CONFIG file will result in no command prefix being set for this started task. **Detecting CSECT:** EFMMMAIN

### Action

Update the CONFIG file in use with this migrator to include the CFPX=parameter and then restart z/OS Migrator.



## EFMM040I

```
Parm OVR Len 000A START=COLD
```

### Cause

This message indicates the length and verbiage of special override information specified using the z/OS START command, with override parameter(s) specified as in START taskname (parm1,xxx,parm2,yyy), at the direction of EMC technical support personnel.

### Action

None. This is an informational message.

## EFMM050I

```
EFMM050I z/OS Migrator COLD|WARM Start - DWGLB Global Control Blk @
xxxxxxx
```

### Cause

z/OS Migrator is initializing either as a WARM start, in which the primary z/OS Migrator global control block is analyzed and reused or as a COLD start, in which the primary z/OS Migrator global control block is allocated new and initialized.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFMM051I

```
EFMM051I Console consname using ID nnnnnnnn successfully activated
```

### Cause

During z/OS Migrator initialization, subtask EFMMCONS is attached setting up an extended MCS Console session whose console name is *consname* and whose console ID is *nnnnnnnn*. Console name is 'EFMMCONS'. The console ID is returned by z/OS as part of the console creation request.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCONS

### Action

None. This is an informational message.

## EFMM052E

```
MCSOPER Activation|Deactivation failure. RC/RS retncode/reascode
```

**Cause**

During initialization or during termination of the extended MCS Console session from subtask EFMMCONS, an error occurred during the invocation of z/OS system macro MCSOPER with the return code and reason code displayed as part of the message: *retncode/reascode*.

**Detecting CSECT:** EFMMCONS

**Action**

See the z/OS Authorized Assembler Services Reference for return code and/or reason code diagnostics related to the use of the MCSOPER system service. If problems persist, contact the EMC Customer Support Center for further technical assistance.

## EFMM053E

```
EFMMCONS Storage Obtain|Release failure R15=xxxxxxx
```

**Cause**

During initialization or during termination of the extended MCS Console service task EFMMCONS, an error was encountered during the obtain or the release of the common storage area used while the subtask is active. R15 holds the return code from the macro request and is displayed as part of the message.

**Detecting CSECT:** EFMMCONS

**Action**

See the z/OS Authorized Assembler Services Reference for return code diagnostics related to the use of the STORAGE system service. If problems persist, contact the EMC Customer Support Center for further technical assistance.

## EFMM060I

```
RouteMsgToOwner: text
```

**Cause**

EMC AutoSwap messages related to z/OS Migrator can be routed back to the z/OS Migrator group owner address space log for display of all related information in a single location. Message routed in such a fashion are prepended with EFMM060I RouteToMsgOwner: for clarity.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCONS

**Action**

None. This is an informational message.

## EFMM100S

```
z/OS Migrator is not running APF Authorized. Server terminating.
```

**Cause**

The server is running from a STEPLIB concatenation that is not APF Authorized as required.

**Detecting CSECT:** EFMMMAIN

**Action**

Check each included library to ensure it is properly APF Authorized. Correct and restart the server.

## EFMM101E

```
INSUFFICIENT STORAGE TO ALLOCATE resource
```

**Cause**

z/OS Migrator found its region size to be insufficient to allocate the named resource.

z/OS Migrator execution terminates.

**Detecting CSECT:** various CSECTs

**Action**

Increase the Region parameter value and retry.

## EFMM102E

```
THE Z/OS MIGRATOR APPLICATION IS ALREADY ACTIVE ON THE LPAR
```

**Cause**

Only one instance of z/OS Migrator can be active on a given LPAR. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Terminate the other copy or access it instead.

## EFMM103E

```
OPEN FOR THE CONFIG DD FAILED
```

**Cause**

z/OS Migrator requires certain global configuration options to be specified via the CONFIG DD statement. An error has been detected attempting to open this file.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMM107E

INVALID SYNTAX IN CONFIG FILE - UNABLE TO PARSE STATEMENT

### Cause

An invalid statement was found in the configuration file. z

/OS Migrator execution terminates. Other diagnostic messages will indicate the exact error.

**Detecting CSECT:** EFMMMAIN

### Action

Correct the error and retry.

## EFMM108E

INVALID CONFIG PARM =

### Cause

The indicated configuration parameter has been found to be in error.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

Correct the error and retry.

## EFMM109E

CONFIG FILE ERROR FOUND ON LINE XXXX

### Cause

The indicated line of the configuration file has been found to contain an error. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

Correct the error and retry.

## EFMM110E

*z/OS Migrator-task* TASK HAS ABENDED

### Cause

The indicated task has terminated abnormally.

The failing task is restarted if possible. Otherwise, z/OS Migrator execution terminates.

**Detecting CSECT:** various CSECTs

**Action**

Secure the message log and any dump which may have been created. Contact EMC Customer Support.

## EFMM111E

NO DEVICES TO MONITOR WERE DEFINED

**Cause**

An attempt was made to define a volume group with no device pairs. The group will not be defined.

Group definition fails.

**Detecting CSECT:** EFMMPPARS

**Action**

Check the group definition, correct, and retry.

## EFMM112E

INVALID DEVICE RANGE, X

**Cause**

A configuration parameter contained the invalid device range shown. Group definition fails.

**Detecting CSECT:** EFMMPPARS

**Action**

Correct the specification and retry.

## EFMM113E

CUU XXXX ALREADY DEFINED AS A SOURCE DEVICE

**Cause**

An attempt was made to configure a device as target that had already been defined as source for another migration. Group definition fails.

**Detecting CSECT:** EFMMPPARS

**Action**

Correct the overlapping definitions and retry.

## EFMM114E

CUU XXXX ALREADY DEFINED AS A TARGET DEVICE

**Cause**

An attempt was made to configure a device as source that had already been defined as target for another migration. Group definition fails.

**Detecting CSECT:** EFMMPARS

**Action**

Correct the overlapping definitions and retry.

## EFMM115E

```
SYMMETRIX CONTROL FACILITY IS NOT AVAILABLE
```

**Cause**

Symmetrix Control Facility (SCF) is required for certain z/OS Migrator operations. It has been found to be unavailable. The requested action fails.

**Detecting CSECT:** EFMMPARS

**Action**

Start SCF and retry.

## EFMM116I | EFMM116E

```
ccuu xxxxxxxxxxxxxxxxxxxxxxxxxx [groupname]
```

**Cause**

Various EFMM116x messages can be issued during certain actions or events within the Migrator server or ISPF interface.

The table below lists some of the various messages that can be displayed and an explanation for each. All EFMM116I/E messages are issued from the primary z/OS Migrator Parsing routine (EFMMPARS) unless otherwise noted.

*ccuu* is the device involved with the attempted action. EFMM116x is primarily issued during PROMOTION actions but can be issued for various events and circumstances. EFMM116x could be part of the Migrator task log, the System Log or part of the information returned to the ISPF interface during certain events.

- *ccuu* Contains Couple Data Set(s)  
Device parsing has determined this device contains z/OS Sysplex Couple Datasets data sets and the attempted action does not allow for devices containing z/OS Couple Data sets. Remove the z/OS Couple Data Set devices from processing and then retry processing/action.
- *ccuu* Contains Paging Data Set(s)  
Device parsing has determined this device contains z/OS Page data sets and the attempted action does not allow for devices containing z/OS Page datasets. Remove the Page devices from processing and then retry processing/action.
- *ccuu* DB Device - PROMOTE FAIL *groupname*  
Device parsing has determined this device holds the z/OS Migrator database and can thus not be included as part of the action attempted for the specified *groupname*. Remove this device from the group and retry the attempted action.
- *ccuu* Device Issue in VALIDATE *groupname*  
Device parsing has determined this device is currently in an invalidated state based on information returned from Mainframe Enablers device validation

(@EMCDASD). This device cannot be included as part of the attempted action attempted for the specified groupname. Remove this device from the group or determine the reason for the device being in an invalid state (and correct) and then retry the attempted action. This error message is issued from the z/OS Migrator Utility routine EFMMUTIL. This error message is issued from the z/OS Migrator Utility routine EFMMUTIL.

- *ccuu* is a non EMC device - EMC Required  
Device parsing has determined this device in not an EMC Symmetrix device. The attempted action requires the device be an EMC Symmetrix device. Processing is cancelled.
- *ccuu* is a non EMC device - verified  
Device parsing has determined this device in not an EMC Symmetrix device. The attempted action allows for this and processing continues.
- *ccuu* is a PAV device  
Device parsing has determined this device is a parallel access volume and invalid for Migration events under z/OS Migrator. Remove the device from any processing group and then retry processing/action.
- *ccuu* is not defined or missing  
Device parsing has determined this device is not defined to z/OS and can thus not be used for the attempted action as it cannot be properly defined to the connected SCF/MFE instance. Ensure the device is properly defined or removed from the attempted action and then retry processing/action.
- *ccuu* Microcode level is less than *xx*  
Device parsing has determined this device is part of a controller where the required microcode level is less than that required for the attempted action. The required level is displayed as *xx*. Ensure the device is either at the appropriate microcode level or the attempted action is proper for the targeted device and then retry processing/action.
- *ccuu* Required ECA MW Support not found  
Device parsing has determined this device to be part of a process/action that requires ECA Mirror Write support and this attribute could not be validated. Remove the device from any processing group or ensure the device can support ECA MW and then retry processing/action.
- *ccuu* Soft Fenced - PROMOTE FAIL *groupname*  
Device parsing has determined this device is currently in a Soft Fence state and can thus not be included as part of the action attempted for the specified groupname. Remove this device from the group or reset the Soft Fence attribute for the device and retry the attempted action.
- *ccuu* Soft Fenced VALIDATE Err *groupname*  
Device parsing has determined this device is currently in a Soft Fence state and can thus not be included as part of the action attempted for the specified groupname. Remove this device from the group or reset the Soft Fence attribute for the device and retry the attempted action. This error message is issued from the z/OS Migrator Utility routine EFMMUTIL.
- *ccuu* Unreachable via SCF WHOAMI Query  
Device parsing has determined this device is not properly defined to the connected SCF/MFE instance. Ensure the device is defined to SCF and retry the processing/action.
- *ccuu* unsupported device type: FBA|Virtual  
Device parsing has determined this device to be defined as either an internal Virtual device or as FBA (Fixed Block Architecture). z/OS Migrator does not support this device type. Remove the device from any processing group and then retry processing/action.

- CUU *ccuu* IS NOT AN EMC DEVICE  
Device parsing has determined this device is not an EMC Symmetrix device. The attempted action requires the device be an EMC Symmetrix device. Processing is cancelled. This error message is issued from the z/OS Migrator Device Block Service routine EFMMGDEV.

**Detecting CSECT:** EFMMGDEV, EFMMPARS, and EFMMUTIL

**Action**

Refer to the table above for information concerning a particular message.

The 'I' level message is informational only and thus does not require a response.

The 'E' level message could potentially indicate a serious condition that does require user response. See the message listing above for each message to determine if any response is required. Refer to the z/OS Migrator Product Guide for more information concerning the precipitating event(s). If necessary, contact EMC Technical Service if additional support is required.

## EFMM117E

```
module CALL FAILED
```

**Cause**

A call to an internal service routine has failed.

An internal error has been detected. In most cases other messages will give more detail about the failure.

**Detecting CSECT:** various CSECTs

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMM118E

```
SOURCE CUU XXXX AND TARGET CUU XXXX ARE NOT COMPATIBLE
```

**Cause**

The source and target devices are sufficiently different to prevent successful operation.

Group definition fails.

**Detecting CSECT:** EFMMPARS

**Action**

Remove this pair from the z/OS Migrator configuration.



## EFMM120E

ENVIRONMENT REFRESH FAILED - ORIGINAL ENVIRONMENT STILL ACTIVE

### Cause

An attempt to use the REFRESH command to reinitialize the z/OS Migrator environment has failed.

The REFRESH command is rejected.

**Detecting CSECT:** EFMMSYNC

### Action

If possible, stop and restart z/OS Migrator to accomplish the reconfiguration. If the problem persists, contact the EMC Customer Support Center for technical assistance.

## EFMM125E

XXXX TASK ATTACH LIMIT HAS BEEN EXCEEDED

### Cause

An internal error has prevented the attachment of a needed subtask. The requested action fails.

**Detecting CSECT:** EFMMUTIL

### Action

Contact the EMC Customer Support Center for technical assistance.

## EFMM126E

ATTACH FOR XXXX TASK FAILED. RC=XXXXXXXX

### Cause

An attempt to attach a service subtask has failed for the indicated reason. The requested action fails.

**Detecting CSECT:** EFMMUTIL

### Action

Contact the EMC Customer Support Center for technical assistance.

## EFMM127E

DETACH FOR XXXX TASK FAILED. RC=XXXXXXXX

### Cause

An attempt to detach a service subtask has failed for the indicated reason.

Processing continues.

**Detecting CSECT:** EFMMUTIL

**Action**

Contact the EMC Customer Support Center for technical assistance.

## EFMM129E

```
XXXX TASK NEVER TERMINATED
```

**Cause**

During shutdown processing a service subtask has been found not to have terminated. Processing continues .

**Detecting CSECT:** EFMMUTIL

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID.

If you cannot correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMM130E

```
MODULE XXXXXXXX COULD NOT BE LOCATED
```

**Cause**

A needed subroutine appears to be missing from the z/OS Migrator load library. Processing continues but the requested action fails.

**Detecting CSECT:** EFMMHOOK

**Action**

Check the contents of the library and retry. If the problem persists, contact the EMC Customer Support Center for technical assistance.

## EFMM131E

```
MODULE XXXXXXXX LOAD ERROR. RC=XXXXXXXX, RS=XXXXXXXX
```

**Cause**

Load has failed for a service module. The requested action fails.

**Detecting CSECT:** EFMMUTIL

**Action**

Contact the EMC Customer Support Center for technical assistance.

## EFMM132E

```
MODULE XXXXXXXX LOAD FAILED DUE TO STORAGE SHORTAGE
```

**Cause**

Load has failed for a service module due to insufficient storage. The requested action fails.

**Detecting CSECT:** EFMMUTIL

**Action**

Increase the region parameter and retry.

## EFMM133E

```
MODULE XXXXXXXX INCORRECT VERSION XXXXXXXX
```

**Cause**

An incompatible module version while attempting to load a service subroutine. The requested action fails.

**Detecting CSECT:** EFMMUTIL

**Action**

Check the product installation. If the problem persists, contact the EMC Customer Support Center for technical assistance.

## EFMM136E

```
STORAGE OBTAIN FAILED FOR STGPOOL
```

**Cause**

Indicates an error in z/OS Migrator internal storage management. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Contact the EMC Customer Support Center for technical assistance.

## EFMM137E

```
STGPOOL INVALID VALUES (VIRT+REAL)
```

**Cause**

Indicates an error in z/OS Migrator internal storage management. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Contact the EMC Customer Support Center for technical assistance.

## EFMM138E

```
STORAGE MGMT INIT R15=XXXXXXXX R1=XXXXXXXX
```

### Cause

Documents the completion of internal storage management initialization.

Execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFMM139W

```
NO STGPOOL STATEMENTS SPECIFIED
```

### Cause

No customization of storage management parameters was specified. Processing continues.

**Detecting CSECT:** EFMMMAIN

### Action

-

## EFMM140E

```
CONFIG FILE PARM ERROR : reason
```

### Cause

A serious parameter error was detected within the group file during a promotion request/event. In most cases, message(s) should be self explanatory. Promotion is done via the ISPF interface or via Batch interface (EFMMBAT) on the owning system to create the GROUP definition and associated control blocks. This processing must also be done on all agent systems and, via the Migrator database, the Agent recognizes that a new group has been added that the Agent system is not aware of and that the Agent must then run pseudo promotion processing, again via the Migrator Heartbeat task, with the goal of adding this new group. This then makes the group and all newly created control blocks available for owner Activation plus all Migration services and events processing. During promotion, either on the owner directly or via the pseudo promotion processing, errors can occur with the group as reflected by message EFMM140E. An error at this level causes the designated group to fail either directly on the owner or indirectly on the agent system(s).

Group definition fails.

Possible *reasons* are:

GROUP - INVALID OR MISSING NAME

GROUP - INVALID OR MISSING MODE

GROUP - STATEMENT MISPLACED  
 DUPLICATE GROUP NAME  
 PAIR - MISSING PRIMARY CCUU | VOL  
 PAIR - MISSING SOURCE CCUU | VOL  
 PAIR - UNABLE TO LOCATE VOLSER  
 PAIR - NOT IN SCOPE OF GROUP  
 SOURCE AND TARGET DEVICE ARE SAME  
 NEWVOLSER EQUALS VERVOLSER  
 SPLIT(ONLINE) REQUIRES NEWVOLSER  
 SDASOPT - NOT IN SCOPE OF GROUP  
 SOURCE/TARGET RANGE OVERLAP  
 MULTI-PAIR REQ NEWV MASK OR VOLP

**Detecting CSECT: EFMMPPARS**

**Action**

-

## EFMM142E

CONFIG FILE NOT SPECIFIED

**Cause**

The CONFIG file may be specified through a DD statement or an execution parameter.

z/OS Migrator execution terminates.

**Detecting CSECT: EFMMMAIN**

**Action**

Specify the configuration file and retry.

## EFMM143E

CONFIG MEMBER NOT SPECIFIED

**Cause**

If the CONFIG file is a PDS, you must specify the member name.

z/OS Migrator execution terminates.

**Detecting CSECT: EFMMMAIN**

**Action**

Specify the configuration member name and retry.

## EFMM144E

CONFIG FILE ALLOCATION FAILED

### Cause

The CONFIG file was specified through an execution parameter but allocation has failed.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

### Action

Check the specification and existence of the configuration file, correct any errors, and retry.

## EFMM145E

LOAD FAILED FOR XXXXXXXX,

### Cause

Load failed for a required z/OS Migrator component.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMUTIL

### Action

Check the installation process and the z/OS Migrator load library for completeness. If the problem persists, contact the EMC Customer Support Center for technical assistance.

## EFMM146E

BLDL FAILED FOR XXXXXXXX, RC=XXXXXXXX

### Cause

BLDL failed for a required component. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMUTIL

### Action

Check the installation process and the z/OS Migrator load library for completeness. If the problem persists, contact the EMC Customer Support Center for technical assistance.

## EFMM147E

SUBSYS ID XXXX IS IN USE

**Cause**

The specified subsystem ID has been found to be currently in use.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Correct the specification so that it is unique or stop the conflicting subsystem.

## EFMM148W

YOUR AUTHORIZATION CODE WILL EXPIRE IN NN DAYS

**Cause**

You have been given a time-sensitive authorization code to activate z/OS Migrator. Within the last 30 days of operation, this message will be issued at startup to remind you that you are nearing the end of your authorization period.

Processing continues.

**Detecting CSECT:** EFMMMAIN

**Action**

-

## EFMM149E

YOUR AUTHORIZATION CODE HAS EXPIRED

**Cause**

The time-sensitive authorization code has expired. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMMAIN

**Action**

Contact your EMC Sales representative.

## EFMM150E

SCF VERIFICATION ERROR

**Cause**

The Symmetrix Control Facility (SCF) service version can not be verified. z/OS Migrator *учусгешщт* is terminated.

**Detecting CSECT:** EFMMMAIN

**Action**

Check the status of SCF and restart the required version.

## EFMM151E

SCF IS NOT ACTIVE

### Cause

The Symmetrix Control Facility (SCF) service has been found not active at z/OS Migrator start up. Although some active processes may continue, new groups will not be able to be promoted or activated.

Processing continues but may be degraded.

**Detecting CSECT:** EFMMMAIN

### Action

Check the status of SCF and restart it.

## EFMM152E

SCF VERSION IS TOO LOW

### Cause

The Symmetrix Control Facility (SCF) service has been found to have an inadequate version level. z/OS Migrator execution is terminated.

**Detecting CSECT:** EFMMMAIN

### Action

Check the status of SCF and restart the required version.

## EFMM153E

z/OS Migrator authorization failure - invalid LFC in SCFINI

### Cause

The License Feature Code in the SCF INI parameter file is missing or invalid resulting in termination of z/OS Migrator.

**Detecting CSECT:** EFMMMAIN

### Action

Update the SCF INI file with the required LFC code/key for z/OS Migrator and restart.

## EFMM154E

FEATURE AUTHORIZATION ERROR, RC/RS=X

### Cause

An error occurred attempting to validate z/OS Migrator authorization. z/OS Migrator execution is terminated.



**Detecting CSECT:** EFMMMAIN

**Action**

Check the code provided and retry.

## EFMM156E

DEVICES OWNED BY ANOTHER SERVER

**Cause**

Devices specified as part of this group are currently assigned to another instance of the server. Group definition fails.

**Detecting CSECT:** EFMMPARS

**Action**

Check for other active or dormant servers that may be using any of the devices specified.

## EFMM157E

SYMM SERIAL# MISMATCH FOR CCUU - *SSSS-DDDD:SSSS-DDDD*

**Cause**

The indicated device has been found to have physical identification different than that it had when the group was defined. The last five digits of the controller code are shown along with the device number. The first pair of values is what was expected and the second what was reported by the device.

Group definition fails.

**Detecting CSECT:** EFMMPARS

**Action**

Delete and redefine the group.

## EFMM158I

SUSPEND converted to DEACTIVATE for *gggggggg* - DeactOnSuspend

**Cause**

Group *gggggggg* has been defined with the Deactivate on Suspend (DeactOnSuspend) attribute meaning a SUSPEND command will not only suspend but also automatically deactivate the group. This message is intended to notify the user of this transition at SUSPEND time.

**Detecting CSECT:** EFMMSYNC

**Action**

None. This is an informational message.

## EFMM169I

```
Group xxxxxxxx WAITING FOR yyyy/zzzz
```

### Cause

This is an informational message issued by the Heartbeat Monitor running on a z/OS Migrator server instance to indicate a WAIT situation is in effect as system *yyyy* has not updated the z/OS Migrator database indicating the status for group *xxxxxxx*. All z/OS Migrator server instances coordinate updates and work done on behalf of group *xxxxxxx*.

*xxxxxxx* is the group name defined to z/OS Migrator, *yyyy* is the system ID of the system being waited on and *zzzz* is the command prefix for the system in question .

**Detecting CSECT:** EFMMDBHB

### Action

This can be simply an informational message indicating the agent system has not responded yet and will shortly or it could indicate a problem has been detected on system *yyyy* for group *xxxxxxx* and should be investigated. Check the Migrator, SCF and system log(s) for any indication of a problem with group *xxxxxxx*. If unable to determine the cause, contact EMC Technical Services for additional assistance.

## EFMM172W

```
Interface withdraw not completed; still active
```

### Cause

An HOOK WITHDRAW command was entered but the system interface is still active servicing a request. The request is ignored.

**Detecting CSECT:** EFMMSSM

### Action

Retry the request.

## EFMM173W

```
No UCB found for ssssssssss-xxxxxx
```

### Cause

The indicated device (*sssssssssss*=VMAX system ID, *xxxxxx*=device *ssid/cca*) cannot be identified with a UCB address on this LPAR.

On the defining system, the group definition fails. On an agent system, the group will be deemed to have "missing devices".

**Detecting CSECT:** EFMMPARS

### Action

If group activation fails, then delete and redefine the group.

## EFMM174E

COMMON DATA SPACE ALLOCATION FAILURE.

### Cause

During startup, z/OS Migrator attempts to create a common data space for storage of data accessible from multiple address spaces. EFMM174E is issued when an error has occurred during creation of the common data space using the DSPSERV service.

Common Data Space creation fails.

**Detecting CSECT:** EFMMCMNI

### Action

See error message EFMM175E for return code/reason code information required to diagnose the failure. A common reason for this type of failure is that the maximum number of allowable common data spaces (as defined via parameter MAXCAD within IEASYS00) has been exceeded for the LPAR. The name of the data space used by z/OS Migrator is the same as the sub system ID used for z/OS Migrator.

If unable to ascertain the root cause, please contact EMC Customer Support for assistance

## EFMM175E

*migrator\_task\_name* COULD NOT CREATE COMMON DATA SPACE  
*data\_space\_name*, DSPSERV RC=xxxxxxx, RCX=yyyyyyyy/zzzzzzz

### Cause

Creation of the Common Data Space used by z/OS Migrator has failed. Message EFMM174E will have been issued as well. Message EFMM175E contains the Return and Reason Codes needed to diagnose the data space creation failure.

**Detecting CSECT:** EFMMCMNI

### Action

See the output register information for the DSPSERV service for more information on what caused the common data space creation to fail. A likely reason is the number of allowable common data spaces (as defined by parameter MAXCAD within IEASYSxx) has been exceeded. This will require an increase in the MAXCAD parameter and an IPL of the LPAR to initiate these changes. z/OS Migrator creates a single common data space as part of processing. The MAXCAD issue is indicated in message EFMM175E.

If unable to ascertain the root cause, please contact EMC Customer Support for assistance.

## EFMM177E

*jjjjjjjj* could not delete common data space

### Cause

The z/OS Migrator region, *jjjjjjj*, could not delete its common data space during cleanup processing.

z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMCMND

**Action**

Review the JOB log and SYSLOG for related errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM180E

```
Task cleanup retry nn exceeded for jjjjjjjj
```

**Cause**

Group termination processing could not complete after the indicated number of retries for the reported address space (*jjjjjjj*). Group termination cannot proceed.

**Detecting CSECT:** EFMMTRMF

**Action**

Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM181W

```
Could not delete common data space, outstanding fixed areas
```

**Cause**

The z/OS Migrator common data space could not be freed at this time since it contains fixed storage areas that must be released.

Data space free is deferred.

**Detecting CSECT:** EFMMCMND

**Action**

Retry the action which generated this response. Review the JOB log and SYSLOG for related errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM182W

```
Group gggggggg ssssssss at shutdown.
```

**Cause**

The z/OS Migrator server has been shut down with active groups. Each group (*ggggggg*) and its status (*sssssss*) is indicated in a separate message.

Shutdown proceeds.

**Detecting CSECT:** EFMMRM01

**Action**

Reactivate the z/OS Migrator server with a Warm start as soon as possible.

## EFMM183W

```
Groups active/suspended at shutdown.
```

**Cause**

Groups were found to be active at an z/OS Migrator server shutdown. The individual groups and their status will be documented in messages EFMM182W.

Shutdown proceeds.

**Detecting CSECT:** EFMMRM01

**Action**

Reactivate the z/OS Migrator server with a Warm start as soon as possible.

## EFMM184A

```
z/OS Migrator is not available for diversion processing;
restart z/OS Migrator
```

**Cause**

The z/OS Migrator server has been shutdown, possibly via FORCE, with groups in diverted state. Consider this message as an “E” class message.

I/O from these groups will be held until the server is restarted.

**Detecting CSECT:** EFMMHM00

**Action**

Restart the z/OS Migrator server as soon as possible.

## EFMM185E

```
CSVQUERY rc=nn for module mmmmmmmmm
```

**Cause**

A attempt to locate a module for recovery processing has failed.

Recovery will be aborted and the failing module will abend.

**Detecting CSECT:** EFMMRCVY

**Action**

Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID.

If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM186E

```
SDUMPX rc=nn rsn=nnn
```

### Cause

After a failure, an attempt to take a system dump failed for the indicated return and reason codes. Recovery processing proceeds, if possible.

**Detecting CSECT:** EFMMRCVY, EFMMUTIL

### Action

Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions related to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have relevant job documentation available.

## EFMM187I

```
Migrator detected SCF version vv.rr.mm with patch level nnnn
```

### Cause

This is an informational message issued at startup to indicate the level of the Mainframe Enablers SCF task to which z/OS Migrator is connected given by version *vv*, release *rr* and modification level *mm*. The latest patch/fix level applied is also listed as patch level *nnnn*.

**Detecting CSECT:** EFMMMAIN

### Action

None. This is an informational message.

## EFMM188W

```
z/OS Migrator logging resumed. Messages Lost = nnnnnnnn
```

### Cause

While processing message to the z/OS Migrator task log, asynchronous message logging had to be interrupted temporarily but has been resumed. Some messages however, were unable to be processed during the interruption and were lost. This message is alerting the customer to that fact and displaying the number of message z/OS Migrator's Logging service was unable to process.

This is a high priority informational message indicating some started task output could not be processed into the appropriate SYSOUT datasets and was thus lost. This refers only to message processed during z/OS Migrator processing and has no bearing whatsoever on the data z/OS Migrator is processing and/or protecting.

**Detecting CSECT:** EFMMDEVT

### Action

-

## EFMM193E

Source CUU XXXX and target CUU XXXX mismatched MIDAW

### Cause

During device verification/validation, it was discovered that one of the devices in the pair supports MIDAW while the other does not with MIDAW currently enabled on the LPAR on which z/OS Migrator is running.

**Detecting CSECT:** EFMMUTIL

### Action

If the action between the device pair is required, MIDAW should be disabled (SETIOS MIDAW=YES|NO) and then, if desired, reenabled. Otherwise, this device pair should be removed from the z/OS Migrator group.

## EFMM194I

Deleting obsolete HOSTS.xxxxxxxxxxxxxx for SSID/SMFID yyyyyyyy

### Cause

During initialization, z/OS Migrator detected a HOSTS.*hostid* database record with the same sub system and SMF identifier fields as our initializing z/OS Migrator instance but with a different CPU identifier field. This indicates that z/OS Migrator, for this SSID/SMFID combination, is now running in another LPAR or on another CPC from where the last instance of this z/OS Migrator was run.

*xxxxxxxxxxxxx* holds *hostid* containing a 14 character field made up of the z/OS Migrator sub system identifier for this instance plus a 10 character hex representation of a portion of the CPU ID from the last time this Migrator instance was run. *yyyyyyyyy* is an 8 character field made up of the z/OS Migrator sub system identifier concatenated to the SMF identifier for this z/OS system.

The detected HOSTS.*hostid* database record is deleted and execution continues.

**Detecting CSECT:**EFMMDBHB

### Action

None. This is an informational message.

## EFMM195I

APII/module *API\_function* called for UCB/CUU *uuuuuuuu/ccuu*

### Cause

When API debug tracing is enabled via the DEBUG flags settings, as part of either z/OS Migrator CONFIG processing or JCL override, this informational message will be displayed when certain MFE API function calls are made. The *module* value displayed indicates the source of the API call and will display as 'VUCB', 'UTIL' or 'PARS'. The *API\_function* displayed with be either 'WhoAmI', 'SYMDevice' or 'ConfigGlobal'. The *uuuuuuuu* value holds the address of the device unit control block and *ccuu* holds the CCUU for the same device.

As an example, the z/OS Migrator log might contain the following at group activation if API debugging is enabled:

```
EFMM195I APII/UTIL WhoAml called for UCB/CUU 024ADCE8/6E71
EFMM195I APII/UTIL SYMDevice called for UCB/CUU 024ADCE8/6E71
```

**Detecting CSECT:** EFMMAPII

**Action**

None. This is an informational message.

## EFMM196I

```
Migrator using MFE EMCSAI API version n
```

**Cause**

As of MFE level 07.06, a new MFE API level 1 is enabled at startup and indicated with *n* being the value '1'. Prior to MFE level 07.06, the legacy API continues to be used and is indicated with *n* being the value '0'.

**Detecting CSECT:** EFMMMAIN

**Action**

None. This is an informational message.

## EFMM197E

```
APII/xxxx WhoAml ccuu R15 nnnnnnnn retncode/reascode/rsnxcde
```

**Cause**

During processing of an FC01 WHOAMI call to mainframe enablers SCF task, an error was encountered for device *ccuu*. The program issuing the WHOAMI call is EFMM*xxxx*. The primary return code via R15 is *nnnnnnnn*. For the particular call the return code is *retncode*, the reason code is *reascde* and the extended reason code is *rsnxcde*.

**Detecting CSECT:** EFMMAPII

**Action**

See the SymmAPI-Management (MF) Version x.x documentation for your release level of Mainframe Enablers for an explanation of what the codes mean or contact your EMC service representative for assistance.

## EFMM198E

```
Source CUU xxxx is larger than Target CUU yyyy
```

**Cause**

During Migrator group parsing, source device *xxxx* was found to be larger than target device *yyyy* which cannot be allowed. Group process fails.

**Detecting CSECT:** EFMMPARS



**Action**

Correct group and then resubmit processing.

If unable to resolve the problem, contact EMC Technical Support for assistance.

## EFMM200I

```
Synchronization started volser(srcdev)-> tgtdev grpname
```

**Cause**

z/OS Migrator has started the volume migration group to facilitate synchronization of the source volume to the target volume within the specified Migration group. z/OS Migrator execution continues.

*volser* is the device volser, *srcdev* is the cuu for the source device, *tgtdev* is the cuu for the target device and *grpname* is the Volume Migration group in which the device pair is migrating.

**Detecting CSECT:** EFMMSYNC

**Action**

None. This is an informational message.

## EFMM202E

```
Unable to allocate storage for sync subtask - rc=xxxxxxxx
```

**Cause**

During initialization of the volume migration synchronous subtask (EFMMSYNC), a storage request to hold the the SDDF Bitmap areas failed. The return code from the storage request is displayed as *rc=xxxxxxxx*(represents the contents of R15 on return from the storage request).

**Detecting CSECT:** EFMMSYNC

**Action**

Determine why the storage request (GETMAIN) was not honored and correct. Contact EMC Support Services if unable to resolve this issue.

## EFMM203E

```
Cannot open sddf session for vvvvvv(ccuu)
```

**Cause**

An error has occurred opening an SDDF session for control of the synchronization process. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

**Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM204E

```
ERROR PERFORMING SDDF RESET FOR vvvvvv(ccuu)
```

### **Cause**

An error has occurred resetting an SDDF session for control of the synchronization process. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

### **Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM205E

```
ERROR PERFORMING SDDF GET FOR vvvvvv(ccuu)
```

### **Cause**

An error has occurred polling an SDDF session for control of the synchronization process. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

### **Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM206E

```
ERROR PERFORMING SDDF CLOSE FOR vvvvvv(ccuu)
```

### **Cause**

An error has occurred closing an SDDF session for control of the synchronization process. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

### **Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM207E

```
ERROR PERFORMING SDDF SET FOR vvvvvv(ccuu)
```

### **Cause**

An error has occurred setting an SDDF session for control of the synchronization process. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

**Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM208E

*SDDF error text*

**Cause**

Provides additional detail for SDDF-related failures.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

**Action**

Contact your EMC Customer Support representative.

## EFMM209E

ECA REQUEST FAILED FOR *vvvvvv(ccuu)*

**Cause**

An error has occurred controlling the final stage of synchronization. Group processing is suspended.

**Detecting CSECT:** EFMMSSUB, EFMMSSLM

**Action**

Look for other related error messages and contact your EMC Customer Support representative.

## EFMM213E

Write I/O error on device: *unit-address*.

**Cause**

z/OS Migrator received an error when attempting to write from the volume on the indicated device. z/OS Migrator execution continues.

**Detecting CSECT:** EFMMCTLM

**Action**

-

## EFMM214E

Error information CCHH: *cchh-data* ECB: *ecb-data* IOBRC: *iob-rc* IOBRS: *iob-rs*.

**Cause**

z/OS Migrator received an error when attempting I/O from the volume on the indicated device. The error is displayed. z/OS Migrator execution continues.

**Detecting CSECT:**EFMMCTLM

**Action**

-

## EFMM215I

```
Sync of volser(cuus)->cuut for grpname complete (nnnnn TRKS/CYLS)
```

**Cause**

The copy process from source to target has complete for this pair.

*volser* is the source volume serial number

*cuus* is the source device number

*cuut* is the target device number

*grpname* is the Migration group containing the device pair

*nnnnn* is the number of tracks of cylinders copied for the device pair

If track count is > 999999 then count is converted to cylinders .

The copy process for the specified device pair included as part of the migration group has completed and the copy attributes and results are reported.

**Detecting CSECT:** EFMMSYNC

**Action**

None. This is an informational message.

## EFMM216E

```
Synchronization for volser (srcdev)-> tgtdev failed
```

**Cause**

z/OS Migrator has failed the synchronization of the migration from the source volume to the target volume.

z/OS Migrator execution continues.

**Detecting CSECT:** EFMMSYLM

**Action**

-

## EFMM221I

```
SYNCHRONIZATION FOR ALL DEVICES HAS COMPLETED SUCCESSFULLY
```

**Cause**

Synchronization of all active device pairs is complete. Processing continues.

**Detecting CSECT: EFMMSYNC****Action**

None. This is an informational message.

**EFMM222W**

SYNCHRONIZATION FOR ALL DEVICES HAS COMPLETED WITH ERRORS

**Cause**

Synchronization of all active device pairs is complete but there were one or more errors.

Processing continues.

**Detecting CSECT: EFMMSYNC****Action**

Look for other related error messages. If the problem persists, contact your EMC Customer Support representative.

**EFMM223E**

VOLUME LABEL READ FAILED ON XXXX - RC=XXXXXXXX

**Cause**

Synchronization involves performing certain actions against the volume labels of the source and target volumes. A volume label read has failed with the indicated return code.

Group processing is terminated.

**Detecting CSECT: EFMMSYNC****Action**

Contact your EMC Customer Support representative.

**EFMM224E**

VOLUME LABEL WRITE FAILED ON XXXX - RC=XXXXXXXX

**Cause**

Synchronization involves performing certain actions against the volume labels of the source and target volumes. A volume label write has failed with the indicated return code.

Group processing is terminated.

**Detecting CSECT: EFMMSYNC****Action**

Contact your EMC Customer Support representative.

## EFMM227W

```
VARY REQUEST FAILED FOR XXXX - RC=XXXXXXXX RS=XXXXXXXX
```

### Cause

A SPLIT(ONLINE) action has been requested but the volume could not be varied online.

Group processing completes but the volume cannot be accessed.

**Detecting CSECT:** EFMMSYNC

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM228E

```
READ START I/O ERROR vvvvvv(ccuu) RC=XXXXXXXX
```

### Cause

A read I/O error has occurred on the reported volume and device with the indicated return code. Group processing is suspended.

**Detecting CSECT:** EFMMCTIO, EFMMCTLM

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM229E

```
WRITE START I/O ERROR XXXX RC=XXXXXXXX
```

### Cause

A write I/O error has occurred on the reported volume and device with the indicated return code. Group processing is suspended.

**Detecting CSECT:** EFMMCTIO, EFMMCTLM

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM230I

```
I/O DRIVER STARTED FOR type MIGRATION
```

**Cause**

The I/O service subtask has started successfully. *type* indicates Volume or Logical migration. Processing continues.

**Detecting CSECT:** EFMMSYNC, EFMMSYLM

**Action**

None. This is an informational message.

## EFMM231E

```
I/O DRIVER FAILED TO START - XXXXXXXXXXXXXXXXXXXX
```

**Cause**

The I/O service subtask has failed to start with the reported return and reason codes. z/OS Migrator execution terminates.

**Detecting CSECT:** EFMMSYNC

**Action**

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM232E

```
I/O DRIVER SHUTDOWN FAILED - XXXXXXXXXXXXXXXXXXXX
```

**Cause**

The I/O service subtask has failed to shut down with the reported return and reason codes. Processing continues.

**Detecting CSECT:** EFMMSYNC

**Action**

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM233E

```
I/O DRIVER DETACH FAILED - XXXXXXXXXXXXXXXXXXXX
```

**Cause**

The I/O service subtask has failed to detach with the reported return and reason codes.

Processing continues.

**Detecting CSECT:** EFMMSYNC

**Action**

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM234E

```
I/O DRIVER PAGE FIX REQUEST FAILED - R15=XXXXXXXX
```

### Cause

A request by the I/O service subtask to fix one or more pages has failed with the indicated return code. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM235E

```
I/O DRIVER PAGE FREE REQUEST FAILED - R15=XXXXXXXX
```

### Cause

A request by the I/O service subtask to free one or more pages has failed with the indicated return code. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM236E

```
I/O INTERNAL ERROR - @IOBRC=XXXXXXXX @IOBRS=XXXXXXXX
```

### Cause

A specific internal error has occurred with respect to I/O processing. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

### Action

Contact EMC Customer Support personnel with the reported return and reason codes.

## EFMM237E

```
I/O INTERNAL ERROR - @IOBRC=XXXXXXXX @IOBRS=XXXXXXXX
```

### Cause

A specific internal error has occurred with respect to I/O processing. Group processing terminates.



**Detecting CSECT: EFMMSYNC****Action**

Contact EMC Customer Support personnel with the reported return and reason codes.

**EFMM240E**

```
CSC REQUEST FAILED FOR vvvvvv(pcuu)-mciu- NOT PROCESSED
```

**Cause**

Symmetrix Control Facility (SCF) or AutoSwap (S/DAS) was not available to process the swap request.

*vvvvvv* =the volume involved

*pcuu* and *mciu* =the source and target device addresses

Group processing terminates.

**Detecting CSECT: EFMMSYNC****Action**

Make sure SCF and S/DAS are available to process swap requests.

**EFMM241W**

```
CSC REQUEST TO DELETE GROUP FAILED XX/XX
```

**Cause**

Symmetrix Control Facility (SCF) or AutoSwap (S/DAS) was not available to process the delete group request. Group processing terminates.

**Detecting CSECT: EFMMSYNC****Action**

Contact EMC Customer Support personnel with the reported codes.

**EFMM242E**

```
CSC REQUEST TO ADD DEVICE FAILED - vvvvvv(pcuu)-mciu rc/re
```

**Cause**

The AutoSwap (S/DAS) request to add this device to a swap group failed. *rc* is the return code and *re* is the reason code. For example, 04/01 indicates that CSC found there was no listener for this function - AutoSwap was not available.

*vvvvvv* =the volume involved

*pcuu* and *mciu* =the source and target device addresses

Group processing terminates.

**Detecting CSECT:EFMMSYNC**

**Action**

Check the status of Symmetrix Control Facility (SCF) and AutoSwap. If the problem persists, contact your EMC Customer Support representative.

## EFMM243E

```
CSC REQ TO VALIDATE DEVICES FAILED - vvvvvv(pccuu)-mccuu rc/re
```

**Cause**

The AutoSwap (S/DAS) request to validate this device has failed. *rc* is the return code and *re* is the reason code. For example, 04/01 indicates that CSC found there was no listener for this function - AutoSwap was not available.

*vvvvvv* =the volume involved

*pcuu* and *mccuu* =the source and target device addresses

Group processing terminates.

**Detecting CSECT:** EFMMSYNC

**Action**

z/OS Migrator can have associated SCF AutoSwap (S/DAS) messages routed to the z/OS Migrator started task log. However, in those cases where this feature is not available or has been deactivated via z/OS Migrator CONFIG settings, you will need to check the Symmetrix Control Facility (SCF) started task log for error messages related to the device(s) failing during group activation.

If the problem persists, contact your EMC Customer Support representative.

## EFMM244E

```
CSC REQUEST TO SWAP DEVICES FAILED - vvvvvv(pccuu)-mccuu rc/re
```

**Cause**

The AutoSwap (S/DAS) request to swap this device pair has failed. *rc* is the return code and *re* is the reason code. For example, s 04/01 indicates that CSC found there was no listener for this function - AutoSwap was not available.

*vvvvvv* =the volume involved

*pcuu* and *mccuu* =the source and target device addresses

Group processing terminates

**Detecting CSECT:**EFMMSYNC

**Action**

Check the status of Symmetrix Control Facility (SCF) and AutoSwap. If the problem persists, contact your EMC Customer Support representative.

## EFMM245E

```
CSC REQUEST FAILED - RC/RS=XXXXXXXX/XXXXXXXX
```

**Cause**

The CSC (SCF) request has failed. RC is the return code and RS is the reason code. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

**Action**

Check the status of Symmetrix Control Facility (SCF). If the problem persists, contact your EMC Customer Support representative.

## EFMM246E

```
XXXXXXXX,XX,XX,XXXXX
```

**Cause**

Supporting information related to CSC, Symmetrix Control Facility (SCF), and AutoSwap (S/DAS) failures. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

**Action**

Report this information to your EMC Customer Support representative.

## EFMM247E

```
XX/XX/XX,XXXXXXXX,XXXXXX,XXXX/XXXX,XXXX/XXXX
```

**Cause**

Supporting information related to CSC, Symmetrix Control Facility (SCF), and AutoSwap (S/DAS) failures. Group processing terminates.

**Detecting CSECT:** EFMMSYNC

**Action**

Report this information to your EMC Customer Support representative.

## EFMM248E

```
OUTPUT DEVICE ON CUU=XXXX MUST BE OFFLINE
```

**Cause**

The target of a migration operation must be offline. Group activation fails.

**Detecting CSECT:** EFMMSYNC

**Action**

Vary the device offline and retry.

## EFMM249E

CUU=XXXX/XXXX ARE NOT THE SAME SIZE

### Cause

A warning that you are performing a migration of two volumes that are not the same size. In particular, if the target is smaller than the source, the migrated volume will be truncated and potentially unusable. Processing continues.

**Detecting CSECT:** EFMMSYNC

### Action

Verify that the intended operation is performed.

## EFMM250E

TARGET VOLSER VERIFICATION FAILED, XXXXXX,YYYYYY, CUU=ZZZZ

### Cause

You have requested verification that the target volume has the specified volume serial number. The verification has failed. Group activation fails.

**Detecting CSECT:** EFMMSYNC

### Action

Make sure that the desired volume is mounted on the target device and retry if appropriate.

## EFMM251E

OUTPUT DEVICE ON CUU=XXXX HAS DATA SETS

### Cause

It was stipulated that the target volume should be tested to see that it is essentially empty. This verification has failed. Group activation fails.

**Detecting CSECT:** EFMMSYNC

### Action

Make sure that the desired volume is mounted on the target device, delete the files or remove the verification parameter, and retry if appropriate.

## EFMM252E

SECURITY INTERFACE REJECTED VOL=XXXXXX

### Cause

The security system was interrogated to verify that z/OS Migrator is authorized to alter the volume serial number of the receiving device. The verification failed. Group activation fails.

**Detecting CSECT: EFMMSYNC****Action**

Make sure z/OS Migrator is appropriately authorized to operate on the target volume and retry.

**EFMM253E**

OUTPUT DEVICE ON CUU=XXXX IS BEING USED BY SAR

**Cause**

It is not permitted to specify a target volume that is being used by SAR. The operation is rejected. Group activation fails.

**Detecting CSECT: EFMMSYNC****Action**

Make sure the target is appropriate for this use and retry if desired.

**EFMM254E**

SCF MUST BE ACTIVE FOR SWAP / SDAS / CSC

**Cause**

For SWAP completion actions in particular it is required that Symmetrix Control Facility (SCF) and AutoSwap (S/DAS) be active. Group activation fails.

**Detecting CSECT: EFMMSYNC****Action**

Make sure the needed processes are active and retry.

**EFMM255E**

Communication with controller for CUU=XXXX or YYYY failed

**Cause**

The source or target device could not be accessed indicating the device controller is either not defined properly to the Symmetrix Control Facility (SCF) INI parameter file or the Cross Systems Communication subsystem of SCF is not active.

Activation of the Migration group fails.

**Detecting CSECT: EFMMSYNC****Action**

Ensure the Controller and devices are defined properly to SCF via the SCFINI parameter file.

Ensure the availability of the CSC subsystem under SCF by including either SCF.CSC.ACTIVE=YES or SCF.DAS.ACTIVE=YES within the SCFINI parameter file. SCF.DAS.ACTIVE=YES is required if AutoSwap services will be required for z/OS Migrator and will ensure the CSC subsystem is started as part of SCF initialization.

Ensure above requirement(s) and then retry Activation.

## EFMM256I

```
EFMMSYNC WAITING FOR WORK
```

### Cause

This message indicates that all synchronization processes have completed. Processing continues.

**Detecting CSECT:** EFMMSYNC

### Action

None. This is an informational message.

## EFMM257E

```
EFMMSYNC SHR ENQ FAILED FOR CUU XXXX
```

### Cause

z/OS Migrator uses ENQ to ensure there are not conflicting uses for source and target volumes. Multiple instances of z/OS Migrator on different LPARS are in conflict with regard to defined devices. Group activation fails.

**Detecting CSECT:** EFMMSYNC

### Action

Correct the conflict and retry.

## EFMM258W

```
DIFFERENT DEVICE SIZES: gggggggg REFVTOC msg
```

### Cause

When processing group *gggggggg*, if the volume driver detects a mismatch between source and target volume sizes, a check is done to ensure the target is not smaller than the source. If so, the activation is cancelled. If the target is larger than the source a check is done to see if REFVTOC was specified either on the group definition or as a Global Migrator processing option. If so, the message 'REFVTOC will be done' replaces REFVTOC msg. If REFVTOC is not indicated on the group or global level, the message 'May need REFVTOC' replaces REFVTOC msg. This is only valid for target volume whose final disposition is the ONLINE status. z/OS Migrator will not REFVTOC an offline volume as this destroys the VTOC Index.

The group activation may be aborted if a target volume smaller than the corresponding source volume is found else REFVTOC checking as described above is performed.

**Detecting CSECT :**EFMMSYNC

### Action

-

## EFMM259W

```
CYLINDER COUNT FOR gggggggg ssss: cccccc tttt: cccccc
```

### Cause

For a given group *gggggggg*, a difference was detected in the cylinder counts for the specified device pair. *ssss* is the CUU of the source device and *tttt* is the CUU of the target device. The cylinder count for each is reported via *ccccccc*.

Processing continues.

**Detecting CSECT:** EFMMSYNC

### Action

-

## EFMM261E

```
SETSWAP failed for vvvvvv(ccuu)
```

### Cause

If the user specifies CONGROUP=, the devices involved in the migration are part of an AutoSwap group, and the SETSWAP Disable fails. The volume serial number of the source volume is *vvvvvv* and the device address is *ccuu*.

The z/OS Migrator migration group will be deactivated.

**Detecting CSECT:** EFMMSYNC

### Action

After correcting the indicated problem, the migration may be restarted.

## EFMM262E

```
Different device sizes: gggggggg Source size > Target
```

### Cause

For activation of group *gggggggg*, if a device pair is found where the target is smaller than the source, this message is issued and the group activation is cancelled to prevent data loss. This message is immediately followed by EFMM259W which lists the group and the device pair where the mismatch was found.

The group activation is cancelled.

### Action

The group should be corrected.

## EFMM263I

```
Hi Priority SWAP deferral for vvvvvv(ccuu). Retrying...
```

**Cause**

During Swap for a high priority device (page volume or CA/OPS volume), an I/O occurred leading to backing off the SWAP and allowing z/OS Migrator to resume its copy cycle up through the SWAP once again. This ensures we migrate all data to the target device prior to allowing the SWAP to complete.

*vvvvvv* is the VOLSER of the volume z/OS Migrator is attempting to SWAP and *ccuu* is the device number.

**Detecting CSECT:** EFMMSYNC

**Action**

None. This is an informational message.

## EFMM264I

```
Group xxxxxxxx deactivated - no data sets
```

**Cause**

An informational message that indicates the deactivation of a logical migration group when the last or only dataset involved in the migration has been removed or deleted from the group.

*xxxxxxx* is the logical migration group name defined to z/OS Migrator.

The logical migration group is deactivated.

**Detecting CSECT:** EFMMSYNC

**Action**

None. This is an informational message.

## EFMM265E

```
ECNSPOOL Call Failure: R15=xxxxxxxx R0=yyyyyyyy R1=zzzzzzzz
```

**Cause**

This message indicates a problem during an internal call to ECNSPOOL, where the return information is indicated by the register contents displayed. Volume Migration group processing continues, but the error is documented to the started task log.

Processing of the volume group continues and is not terminated.

**Action**

-

## EFMM266I

```
Active I/Os @ SUSPEND SYNI xxxxxxxx for ccuu/ccuu:nnnnnnnn
```

**Cause**

When an active copy request for a device pair, contained within a group defined with the DeactOnSuspend attribute, is PURGED, active I/O is also purged. At this time,



outstanding I/Os have been detected and z/OS Migrator is reporting this via this message where *xxxxxxx* holds the @ of DWSYNI control area, *ccuu/ccuu* holds the primary and secondary device numbers involved and *nnnnnnnn* holds the count of outstanding I/Os at SUSPEND.

**Detecting CSECT:** EFMMCTIO

**Action**

None. This is an informational message.

## EFMM267I

```
Active I/Os @ *PURGE* SYNI xxxxxxxx for ccuu/ccuu:nnnnnnnn
```

**Cause**

When an active copy request for a device pair, contained within a group defined with the DeactOnSuspend attribute, is PURGED, active I/O is also purged. This message indicates that at the time of the purge, outstanding I/Os had been detected and z/OS Migrator is reporting this via this message where *xxxxxxx* holds the @ of DWSYNI control area, *ccuu/ccuu* holds the primary and secondary device numbers involved and *nnnnnnnn* holds the count of outstanding I/Os at PURGE.

**Detecting CSECT:** EFMMCTIO

**Action**

None. This is an informational message.

## EFMM268W

```
WLM Service class STCLO should be increased for taskname
```

**Cause**

During startup or during display of environmental system information it was determined that the service class in use for Migrator and/or SCF is STCLO which may be insufficient for Mainframe Enablers or Migrator purposes.

*taskname* is either the Migrator or SCF task name.

**Detecting CSECT:** EFMMMAIN

**Action**

Consider increasing the WLM service class assigned to both Mainframe Enablers/SCF and z/OS Migrator. Mainframe Enablers/SCF is a server system as is z/OS Migrator. They should have a higher than normal service class assigned to them.

## EFMM269I

```
I/O outstanding at close. #Read: xxxxxxxx #Write: yyyyyyyy
```

**Cause**

When the z/OS Migrator group is terminated, the outstanding read and write counts are interrogated and reported as part of normal cleanup processing. *xxxxxxx* represents the number of outstanding read requests active at termination of the copy

process between source and target devices and *yyyyyyyy* represents the number of outstanding write requests active at termination of the copy process.

**Detecting CSECT:** EFMMCTIO

**Action**

None. This is an informational message.

## EFMM270I

```
Residual AutoSwap Group xxxxxxxx deleted prior to CMD Activate
```

**Cause**

When a group is activated that involves SWAP processing, z/OS Migrator will automatically delete an existing AutoSwap group with the same name to ensure the current group information is subsequently built into the AutoSwap group. *xxxxxxx* represents the z/OS Migrator and AutoSwap group name. This message is only displayed if z/OS Migrator successfully deleted a residual AutoSwap group.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM271E

```
DIVERSION ACTIVE FOR GROUP grpname, SHUTDOWN REJECTED
```

**Cause**

During a z/OS Migrator shutdown request, a logical migration group was found in DIVERSION status. Migrator cannot be shutdown while a logical migration group is currently in DIVERSION status.

**Detecting CSECT:** EFMMCOMM

**Action**

Complete the Migrator Logical Migration group to allow the group to progress out of DIVERSION status and allow the z/OS Migrator task to shut down cleanly.

## EFMM272W

```
z/OS Migrator is currently assigned Service class servclass
```

**Cause**

During SWAP retry, the service class is checked and displayed. A SWAP RETRY would indicate a serious issue with service for both Migrator and SCF. Corresponding message EFMM273W is issued as well.

*servclass* is the WLM service class.

**Action**

Consider moving both SCF and Migrator into a higher priority WLM service class.

## EFMM273W

Consider a higher priority Service class for Migrator/SCF

### Cause

During SWAP retry, the service class is checked and displayed. A SWAP RETRY would indicate a serious issue with service for both Migrator and SCF.

### Action

Consider moving both SCF and Migrator into a higher priority WLM service class.

## EFMM274E

ENQ/RESERVE FAILED *ccuu/uuuuuuuu* Grp *gggggggg* RC: *nn*

### Cause

During copy processing, an ENQ/RESERVE RET=USE request against a device failed. RC holds the return code and is displayed within this message.

*ccuu* is the device cuu for which the ENQ/RESERVE is attempted

*uuuuuuuu* is the Unit Control Block (UCB) address

*gggggggg* is the group name to which this device (pair) belongs

*nn* is the return code from the ENQ RET=USE request for the device

**Detecting CSECT:** EFMMSYNC

### Action

See the list of return codes associated with ENQ with the RET=USE option for rmore information. Check the z/OS Migrator and/or system logs to determine why the ENQ/RESERVE was unsuccessful. Contact EMC support personnel for further assistance if unable to determine cause.

## EFMM275E

DEQ/RELEASE FAILED *ccuu/uuuuuuuu* Grp *gggggggg* RC: *nn*

### Cause

During cleanup processing (post copy, etc) for this device, a DEQ RET=HAVE request against the device failed. RC holds the return code and is displayed within this message

*ccuu* is the device cuu for which the DEQ/RELEASE is attempted.

*uuuuuuuu* is the Unit Control Block (UCB) address.

*gggggggg* is the group name to which this device (pair) belongs.

*nn* is the return code from the DEQ RET=HAVE request for the device.

**Detecting CSECT:** EFMMSYNC

**Action**

See the list of potential return codes associated with DEQ with the RET=HAVE option for more information. Check the z/OS Migrator and/or system logs to determine why the DEQ was unsuccessful. Contact EMC Support personnel for further assistance if unable to determine the cause.

## EFMM276I

```
DVE Capacity Change detected for VOL vvvvvv
```

**Cause**

A capacity change has been detected by the z/OS Migrator Dynamic Volume Expansion (DVE) listener function for the specified volume *vvvvvv*.

**Detecting CSECT:** EFMMENFD

**Action**

Depending on the type of volume, its usage and group status (if involved in a migration event), further messages may be displayed indicating z/OS Migrator's reaction to the capacity change. See the z/OS Migrator Product Guide for more information concerning DVE during migration events. This message is strictly informational.

## EFMM277I

```
DVE Migration VOL vvvvvv ccuu DWGDEV@ xxxxxxxx
```

**Cause**

A capacity change has been detected by the z/OS Migrator Dynamic Volume Expansion (DVE) listener function for the specified volume *vvvvvv* and the volume whose *ccuu* is *ccuu* has been determined to be part of a current or past migration event.

**Detecting CSECT:** EFMMENFD

**Action**

Depending on the type of volume, its usage and group status, further messages may be displayed indicating z/OS Migrator's reaction to the capacity change. See the z/OS Migrator Product Guide for more information concerning processing of a DVE event during migration events. This message is strictly informational.

## EFMM278E

```
SDDF Open Failure DVE detected for volser/ccuu Grp grpname
```

**Cause**

A capacity change has been detected by the z/OS Migrator Volume Migration during SDDF session establishment for the specified volume *vvvvvv* with address *ccuu* for group *grpname*.

**Detecting CSECT:** EFMMSSUB

**Action**

The migration group is cancelled and all active device pairs terminated. See the z/OS Migrator Product Guide for more information concerning DVE during migration events. Contact EMC Technical Service if additional support is required.

**EFMM279E**

```
DVE Capacity Change for VOL volser UCB@ uuuuuuuu did not update
Migrator DWGDEV
```

**Cause**

During detection of a dynamic volume expansion, the update of the current cylinder size for the source device could not be done successfully.

*volser* is the volume serial number for the SOURCE device in question and *uuuuuuuu* is the address for the Unit Control Block.

**Action**

Check the device definition using the DISPLAY DEVICE ccuu to validate the updated cylinder count has not been propagated to the z/OS Migrator DWGDEV block for the SOURCE device.

Recycle the z/OS Migrator task and restart using START=COLD to cause a rebuild of all of the global device blocks defined to z/OS Migrator. The Display DEVICE command should then be used to validate the updated cylinder size after the recycle.

Contact EMC Technical Support if additional support is required.

**EFMM280W**

```
Not AUTH for REFVTOC (xx/yy/zzzz). Disable for Gr: grpname
```

**Cause**

During Group activation, a check is made to ensure the user associated with the Migrator server (not the TSO USERID issuing the z/OS Migrator ACTIVATE command), is authorized to facility class STGADMIN.ICK.REFORMAT. If this facility class is not protected or the USERID has required access, a REFORMAT of the VTOC is allowed. If user is not authorized to this facility class, the REFVTOC aspect of migration is disabled for group but the migration is allowed to continue.

**Note**

After PTF MM80005, both the userid for z/OS Migrator 8.0 and the userid associated with the REFVTOC task run BOTH need authorization to the STGADMIN.ICF.REFORMAT facility class. The userid associated with the REFVTASK assigned via the CONFIGx parameter file requires the same authorization to the STGADMIN.ICK.REFORMAT facility class as that of the Migrator server userid (if not the same assigned userid is used).

*xx* is the contents of Register 15 on return

*yy* is the return code from the REQUEST=AUTH RACROUTE use

*zzzz* is the extended reason code

*grpname* is the z/OS Migrator group name assigned for this migration event

**Detecting CSECT: EFMMCOMM**

**Action**

Manual reformat of the VTOC may be required via use of ICKDSF utility. Security Server RACROUTE Macro Reference contains all possible return/reason codes that can be encountered.

Migration continues.

## EFMM281I

```
Fast Copy converted to Full Copy for device ccuu (nn)
```

**Cause**

During the initial copy phase, an attempt was made to obtain the allocation map for device *ccuu*. The call to the EXTENTS program was unsuccessful so the Fast Copy request is converted to a Full Copy request for this volume. See output ddname EFMMSSUB for the return information from EXTENTS. Register 15 is shown in parenthesis (*nn*).

**Detecting CSECT: EFMMSYNC**

**Action**

If the EXTENTS information found in EFMMSSUB is not sufficient to determine cause, contact EMC support for further assistance. This is not an error but will result in a full copy for the volume rather than an copy of allocated space.

## EFMM281W

```
REFVTOC bypassed for ccuu in Grp grpname Device offline
```

**Cause**

At the end of the migration event for the device, a reformat of the VTOC was requested, however the target of the request is/was offline. REFVTOC is bypassed and message EFMM281W is issued to alert the user.

*ccuu* is the device on which the reformat of the VTOC is intended.

*grpname* is the z/OS Migrator group containing the device.

Migration continues and completes as designed.

**Detecting CSECT: EFMMSYNC**

**Action**

Manual reformat of the VTOC may be required once the device is brought online.

## EFMM284I

```
EFMMVTC4 Format 4 DSCB Read OK Dev ccuu UCB xxxxxxxx Size (hex) yyyy
```

**Cause**

This is an information message only issued when the SYNC debug flag is enabled during group migration.

*xxxxxxxx* is the UCB address for device *ccuu*.

*yyyy* is the hexadecimal size (in cylinders) for device *ccuu*.

#### Action

None. This is an informational message.

## EFMM285E

```
SWAP DISALLOWED - Dynamic Volume Expansion detected
Source CUU aaaa UCB@ bbbbbbbb Target CUU cccc UCB@ ddddddd
Source cylinders (hex) original xxxxxxxx current yyyyyyyy
```

#### Cause

During the course of running a migration, one or more of the source devices were expanded using the dynamic volume expansion (DVE) feature available on a number of controllers from a number of manufacturers. As part of this process, the Volume Table of Contents was reformatted allowing for access to this additional volume space. z/OS Migrator cannot support 100% data integrity in an environment where the source devices are expanded in mid-migration.

*aaaa* is the source device address.

*bbbbbbbb* is the source device UCB address.

*cccc* is the target device address.

*ddddddd* is the target device UCB address.

*xxxxxxxx* is the source device original cylinder count.

*yyyyyyyy* is the source device current cylinder count.

#### Action

The appropriate action on the part of the software as well as the customer depends on the group type involved. For a volume migration or a constant copy migration, only the particular device pair is affected. The remaining device pairs not involved in any expansion should complete properly. In this case the proper response is to rerun only those device pairs that failed.

For a consistent mirror migration where write consistency is maintained across the entire group of devices, there is no alternative other than to cancel the entire group. The group would then have to be rerun from the start. It is suggested that DVE not be performed in any of the environments where z/OS Migrator would be running and moving data.

## EFMM286E

```
Failure reading VOL1 lable Dev ccuu UCB uuuuuuuu R15(xxxxxxxx)
```

#### Cause

EFMMFMT4 reads the VOL1 label for the specified device in order to gain the CCHH for subsequent read of the format4 DSCB records from the VTOC held on the device. If unable to read the VOL1 label, R15=8 is returned.

*ccuu* is the device *ccuu*.

*uuuuuuuu* is the UCB address for the device.

*xxxxxxxx* is the return code information from EFMMFMT4 - R15=8 indicates READ VOL1 failed in call to DOIO/SIOIOB.

#### Action

Check both task and system logs for further information as an aid to resolving why the call to EFMMFMT4 failed to read the VOL1 label (cyl 0 trk 0 record 3). Contact EMC technical services for further assistance if necessary.

## EFMM287E

```
Failure reading Format4 DSCB Dev ccuu UCB uuuuuuuu R15(xxxxxxxx)
```

#### Cause

EFMMFMT4 reads the Format4 DSCB record from the VTOC for the specified device in order to obtain the original/current size in cylinders for the device. This number is either stored to the device pair control block for later comparison or compared to the stored device size in the device pair control block in order to detect situations where a device has expanded via DVE (dynamic device expansion). If unable to read the Format4 DSCB record, R15=8 is returned.

*ccuu* is the device *ccuu*.

*uuuuuuuu* is the UCB address for the device.

*xxxxxxxx* is the return code information from EFMMFMT4 - R15=8 indicates the READ F4 DSCB failed in call to DOIO/SIOIOB.

#### Action

Check both task and system logs for further information as an aid to resolving why the call to EFMMFMT4 failed to read the format4 DSCB block from the start of the Volume Table of Contents. Contact EMC technical services for further assistance if necessary.

## EFMM288E

```
-action- DISALLOWED - Dynamic Volume Expansion detected  
Source CUU aaaa UCB@ bbbbbbbb Target CUU cccc UCB@ ddddddd  
Source cylinders (hex) Original xxxxxxxx Current yyyyyyyy  
SUSPEND, DEACT and the REACTIVATE Migration Group
```

#### Cause

During SPLIT or SPLITMOUNT processing of a constant copy group, it was found the source device has expanded via dynamic volume expansion (DVE). z/OS Migrator cannot tolerate this during a migration and still ensure 100% data integrity.

*-action-* is either SPLIT or SPLITMOUNT - trailing blanks removed.

*aaaa* is the source device address.

*bbbbbbbb* is the source device UCB address.

*cccc* is the target device address.

*ddddddd* is the target device UCB address.

*xxxxxxxx* is the source device original size in cylinders - leading zeroes removed.

*yyyyyyyy* is the source device current size in cylinders - leading zeroes removed.



**Action**

SUSPEND/DEACT the group and the retry the migration.

Issue SUSPEND to suspend constant copy processing for device pair(s) and then DEACT to cancel the migration event. The customer/user may then reactivate the migration group to perform the migration once again with the expectation that DVE will not occur on the device again.

## EFMM289E

```
PTF ptfname could not be validated. migrator_message.
```

**Cause**

During processing, a check was made to validate required service had been applied to the MFE/SCF environment. The service could not be validated and the action being performed has been cancelled.

*ptfname* is the fix applied to the MFE/SCF environment for which the z/OS Migrator action being performed requires support.

*migrator\_message* is the message issued with the error for the specific circumstances.

**Action**

Determine the service required and install to the MFE/SCF environment and retry the z/OS Migrator action. If workaround procedures have been documented, these can be used until service is installed and active. Contact EMC Technical Support for further assistance if necessary.

## EFMM290E

```
Path Error ccuu Online PGID pathgroupid migrator_message.
```

**Cause**

During volume migration group activation, all group devices are processed through path validation services. For any LPAR where a source device is found online, there must be an active z/OS Migrator instance to ensure data integrity. If an instance is not found, message EFMM290E is issued to alert user to start z/OS Migrator on that system. For any LPAR where a target device is found online, EFMM290E will be issued to indicate that this *ccuu* must be varied offline to that LPAR. Note that path validation services are run against all devices contained within the activated volume migration group to allow correction of the status for all impacted devices.

*ccuu* is the fix applied to the MFE/SCF environment for which the z/OS Migrator action being performed requires support.

*pathgroupid* is the returned PGID for the LPAR where *ccuu* status has been detected in error.

*migrator\_message* for this error message will be either z/OS Migrator InActive or Target Device Online.

This message is valid for volume migration groups.

### Action

Determine the service required and install to the MFE/SCF environment and retry the z/OS Migrator action. If workaround procedures have been documented, these can be used until service is installed and active. Contact EMC Technical Support for further assistance if necessary.

## EFMM291E

```
Path Error ccuu ffff Fenced.
```

### Cause

During volume migration group activation, all group devices are processed through path validation services. For any device found in SOFT or SPID Fenced status, EFMM291E will be issued and the group activation cancelled.

*ccuu* is the source or target device during path validation for volume migration groups.

*ffff* is the fence status detected on the device. In this case message would contain either SOFT fenced or SPID fenced.

This message is valid for volume migration groups.

**DETECTING CSECT:** EFMMPTHV

### Action

Group activation is cancelled until device status for the indicated *ccuu(s)* is corrected. Once corrected, group can subsequently be activated. Contact EMC Technical Support for further assistance if necessary.

## EFMM292E

```
Path Validation Failure for Group grpname.
```

### Cause

During path validation services, problems were detected and errors listed via messages EFMM290E/EFMM291E. EFMM292E is issued once all errors have been listed to the log.

*grpname* is the volume migration group.

This message is valid for volume migration groups.

**DETECTING CSECT:** EFMMPTHV

### Action

This is an error message issued when problems are detected during path validation services. Correct issues and activate the volume migration group again. Contact EMC Technical Support for further assistance if necessary.

## EFMM293I

```
Path Validation Completed for Group grpname.
```

**Cause**

During path validation services, no problems were detected. EFMM293I is issued once all devices have been validated and group activation is ready to continue.

*grpname* is the volume migration group.

This message is valid for volume migration groups.

**DETECTING CSECT: EFMMPTHV**

**Action**

None.

## EFMM294W

Device validation bypassed for *ccuu*. Path Validation services unsupported.

**Cause**

During path validation services, *ccuu* was found to lack support for the services run to determine path group status. No problems were detected and the device is not validated. Group activation continues.

*ccuu* is a non-EMC device processed during path validation.

This message is valid for volume migration groups.

**DETECTING CSECT: EFMMPTHV**

**Action**

None.

## EFMM295W

OPTIONS=NOPATHVAL Accepted. Path validation for *grpname* BYPASSED per Customer.

**Cause**

During volume migration group activation, CONFIG file OPTIONS entry NOPATHVAL was found.

PATHVAL is the default if not specified. PATHVAL allows for the call to z/OS Migrator device path validation services. If, for some extreme reason, it is found that path validation services cannot be run, the NOPATHVAL option is available for customers to use. The customer thus guarantees there is NO access to any online source device from any LPAR where a z/OS Migrator instance is NOT active. Target device offline status checking is also bypassed as is the Fenced device status checking.

No problems were detected and the devices are not validated. Group activation continues.

*grpname* is the volume migration group being activated.

This message is valid for volume migration groups.

**DETECTING CSECT: EFMMCOMM**

**Action**

This is a warning message issued to document that a customer has decided to bypass path validation via CONFIG file OPTIONS entry NOPATHVAL. This OPTIONS entry

should only be used at the direction of EMC Technical Support and/or Professional Services personnel.

## EFMM296E

```
SAIH STORAGE release failed R15: ret-code.
```

### Cause

During path validation services, a problem was detected during release of storage obtained. The return code from register 15 is displayed to assist in problem determination.

*ret-code* is the return code from the request to release obtained storage used during path validation services.

This message is valid for volume migration groups.

**DETECTING CSECT:** EFMMPTHV

### Action

This is an error message issued when problems are detected during path validation services. Correct issues and activate the volume migration group again. Contact EMC Technical Support for further assistance if necessary.

## EFMM297E

```
EMCSAI Call failed. R15: ret-code. EMCRC: emc-retc EMCRS: emc-rsnc EMCRCX: emc-retx CUU: ccuu.
```

### Cause

During path validation services, a problem was detected during a call to the EMC device API. The z/OS return code, from register 15, is displayed along with the API return code, reason code, extended return code and the device *ccuu* to assist in problem determination.

*ret-code* is the return code from EMC API call.

*emc-retc* is the API return code.

*emc-rsnc* is the API reason code.

*emc-retx* is the API extended return code.

*ccuu* is the device CUU.

This message is valid for volume migration groups.

**DETECTING CSECT:** EFMMPTHV

### Action

This is an error message issued when problems are detected during path validation services API calls. Correct issues and activate volume migration group again. Contact EMC Technical Support for further assistance if necessary.

## EFMM298E

```
EMCSAI Call failed. SCF Connection could not be established ret-code/
emc-retc/emc-rsnc/emc-retx.
```

### Cause

During path validation services, z/OS Migrator was unable to connect with the supporting MFE/SCF server. The z/OS return code, from register 15, is displayed along with the API return code, reason code, and extended return code to assist in problem determination.

*ret-code* is the return code from EMC API call.

*emc-retc* is the API return code.

*emc-rsnc* is the API reason code.

*emc-retx* is the API extended return code.

This message is valid for volume migration groups.

**DETECTING CSECT:** EFMMPTHV

### Action

This is an error message issued when z/OS Migrator is unable to properly issue an API call due to connectivity problems. Validate the connecting DDNAME in the z/OS Migrator procedure (SCF\$*xxxx*) matches exactly that found in the MFE/SCF DDNAME (SCF\$*xxxx*). If they do not match, updates the z/OS Migrator procedure with the correct DDNAME. If they do match, contact EMC Technical Support for further assistance. Correct issues and activate volume migration group again.

## EFMM300I

```
MIRROR NOW ACTIVE ON yyyy(zzzz)
```

### Cause

Mirroring has been activated for the indicated mirror device *yyyy*, primary device *zzzz* (or *????* if the device is not defined to z/OS or EMCSCF).

This message is issued after mirror synchronization is detected on a non-synchronizing LPAR. This is normally on the next write request to a primary device after synchronization has completed.

Processing continues.

**Detecting CSECT:** EFMMSYNC

### Action

None. This is an informational message.

## EFMM301W

```
MIRROR INACTIVE ON yyyy(zzzz), RSN nnn-mmm
```

**Cause**

Some action or condition has caused mirroring to be inactivated for the indicated mirror device *yyyy*, primary device *zzzz*(or *???* if the device is not defined to z/OS or EMCSCF).

RSN code displayed as *nnn-mmm* where *nnn* is the reason code and *mmm* is the current mirroring state. The reason codes are obtained from the mirror device where the device is available.

Processing continues.

**Detecting CSECT: EFMMSYNC****Action**

Examine the z/OS master trace (syslog) for related messages. These messages will not normally be issued to the z/OS Migrator joblog.

To reactivate mirroring, use the ACTIVATE or RESUME (if suspended) operator or ISPF command.

For internal errors, you may need to perform a COLD startup of the z/OS Migrator Server address space prior to reactivating mirroring.

## EFMM302I

```
zzzz,jjjjjjjj, WAITING FOR MIRROR yyyy; rrrrrrrr
```

**Cause**

Indicates that a primary I/O on device *zzzz* is complete but the mirror I/O on device *yyyy* is not. This message is issued every MIH primary device timing period. The primary device MIH period may be examined using the z/OS DISPLAY IOS,MIH operator command.

*jjjjjj* indicates the jobname owning the primary I/O or *\*\*\*\*\** if the job is no longer active or cannot be determined.

*rrrrrr* indicates the current status of the mirror I/O, as follows:

- REL-QUEUED  
Related I/O queued (not active).  
  
Related I/O is normally issued during device pair synchronization to test for active mirroring conditions. This I/O precedes and must complete successfully prior to the actual mirror I/O request.
- REL-ACTIVE  
Related I/O is active (STARTIO issued). Related I/O is normally issued during device pair synchronization to test for active mirroring conditions. This I/O precedes and must complete successfully prior to the actual mirror I/O request.
- REL-DEFERRED  
Related I/O has been deferred (not active). This occurs when the primary I/O has not yet been accepted by the primary device.
- QUEUED  
Mirror I/O has been queued.
- ACTIVE  
Mirror I/O is active (STARTIO issued).
- DEFERRED

Mirror I/O has been deferred. This occurs in certain circumstances during synchronization when the primary I/O has not yet been accepted by the primary device.

Processing continues.

**Detecting CSECT:** EFMMMIHP

**Action**

Examine the z/OS master trace (syslog) for related messages, in particular 'IOS071I Start Pending' messages. To force completion of the primary I/O, where the mirror I/O is not yet active, issue the z/OS Migrator SUSPEND or DEACTIVATE operator or ISPF command.

## EFMM303I

```
MIRROR rrrrrrrr PENDING ON yyyy (zzzz), jjjjjjjj, RSN nnn
```

or

```
MIRROR rrrrrrrr NOT CAPABLE ON yyyy (zzzz), jjjjjjjj, RSN nnn
```

**Cause**

Mirroring for device *yyyy* (or *????* if the device is not defined to z/OS or EMCSCF), primary device *zzzz* (or *????*), is being SUSPENDED or DEACTIVATED as indicated by *rrrrrrrr*.

The associated reason is indicated by *nnn*. *jjjjjjj* indicates the name of the job owning the primary I/O that detected the situation. If the job is no longer active or cannot be determined, this field contains *\*\*\*\*\**.

The RSN *nnn* value in this message is an intended value. However, if the device is already suspended or deactivated, the actual value is displayed as part of the EFMM304I message.

“Reason and state codes” in the EMC z/OS Migrator Product Guide provides code values.

PENDING ON indicates that mirror I/O is being stopped from this host and additional asynchronous processing is being performed to update the multi-host view of the device. EFMM304I will be issued on completion.

NOT CAPABLE ON indicates that mirror I/O is being stopped from this host, however both the primary and mirror device cannot be accessed. In this case, the suspension or deactivation cannot be propagated directly to other hosts. However, status propagation may still be performed if other devices can be accessed as part of a group suspend or deactivate (see EFMM305I).

Suspend processing continues.

**Detecting CSECT:** EFMMSPMW

**Action**

See explanation of reason and state codes in the EMC z/OS Migrator Product Guide for actions relating to specific codes.

## EFMM304I

MIRROR *rrrrrrrr* COMPLETE ON *yyyy-p (zzzz)*, RSN *nnn-mmm*

or

MIRROR *rrrrrrrr* INCOMPLETE-P (*e-f*) ON *yyyy-p (zzzz)*, RSN *nnn-mmm*

or

MIRROR *rrrrrrrr* INCOMPLETE-M (*e-f*) ON *yyyy-p (zzzz)*, RSN *nnn-mmm*

or

MIRROR *rrrrrrrr* FAILED (*e-f*) ON *yyyy-p (zzzz)*, RSN *nnn-mmm*

### Cause

Mirroring for device *yyyy* (or *????* if the device is not defined to z/OS or EMCSCF), primary device *zzzz* (or *????*), has SUSPENDED or DEACTIVATED as indicated by *rrrrrrrr*. The associated reason is indicated by *nnn-mmm*.

COMPLETE indicates that mirror I/O suspend or deactivate processing has completed successfully.

INCOMPLETE indicates that the suspend or deactivate could not be completed. This could indicate a path failure while attempting to access the primary or mirror device.

INCOMPLETE-P indicates that mirror I/O suspend processing has completed but the primary device could not be accessed.

INCOMPLETE-M indicates that mirror I/O suspend processing has completed on the local host; however, the mirror device status could not be completed on the mirror device.

FAILED indicates that mirror I/O suspend processing has completed on the local host; however, the mirror device status update could not be completed on the mirror and primary device. This could indicate a path failure while attempting to access the mirror and primary device.

RSN: The EMC z/OS Migrator Product Guide provides a complete list of RSN codes. *nnn* may differ from the original PENDING code set by EFMM303I where the device has already been suspended or deactivated by another host. The *nnn* value reported by EFMM304I is the actual code.

Where DEACTIVATE is indicated, the additional offline status following the mirror device may show -P. This indicates that the mirror device has been scheduled to be varied offline. This occurs only if the mirror device had been previously varied online with a NEWVOLx (volser or prefix) different from the primary device volser.

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### Note

Where an error occurred during the multi host consistency notification (using the Symmetrix ECA feature), the diagnostic codes are reported by e (mirror ECA error) and f (primary ECA error). These are for usage by EMC Technical Support.

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Suspend processing continues.

**Detecting CSECT: EFMMSPMW**



**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of reason and state codes.

## EFMM305I

```
MIRROR rrrrrrrr ON xxxx (yyyy), jjjjjjjj, RSN nnn, CONVERTED TO GROUP
gggggggg rrrrrrrr
```

**Cause**

Mirroring for device *yyyy* (???? if the device is not defined to z/OS or EMCSF), primary device *zzzz* (or ????), has been requested for SUSPEND or DEACTIVATE as indicated by *rrrrrrr*. The associated reason is indicated by *nnn*. *jjjjjjj* indicates the name of the job owning the primary I/O that detected the situation. If the job is no longer active or cannot be determined, this field contains \*\*\*\*\*.

The suspend or deactivate request has been extended to the rest of the pairs in the indicated group (*gggggggg*). This is the default behavior of z/OS Migrator to enforce consistency within the group.

The same reason code is used on all devices within the groups.

Suspend/deactivation processing continues.

**Detecting CSECT:** EFMMSPMW

**Action**

Refer to the EMC z/OS Migrator Product Guide for explanation of reason and state codes.

## EFMM306I

```
rrrrron
yyyy (zzzz), ddddddd.ddddddd.ddddddd.ddddddd.ddddddd,gggggggg,jjjjj
jjj,
RSN nnn
```

**Cause**

A suspend or deactivate for an individual resource has been detected.

*rrr*- The entry where the error was detected (last 3 characters on module name), as follows:

- - sio:  
efmmhsio
- - tio:  
efmmhtio

*yyyy*

The target device (cuu or???? if missing).

*zzzz*

The source device (cuu or???? if missing).

*dddd*

The device where the error was detected.

*gggggggg*

The group that this device belongs to. All devices in this group will be suspended.

*jjjjjj*

The jobname where the error was detected or '\*\*\*\*\*' if jobname is unknown.

*nnn*

Refer to the EMC z/OS Migrator Product Guide for explanation of suspend codes.

Suspend processing continues.

**Detecting CSECT:** EFMMHSIO, EFMMHTIO

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMM307I

*rrrrron*

*yyyy (zzzz), dddddd. dddddd. dddddd. dddddd. dddddd, jjjjjjjj, RSN nnn, converted to group gggggggrrrrr*

**Cause**

A suspend or deactivate for an individual resource has been converted to a group suspend or deactivate.

*rrrrr*

Indicates suspend or deactivate.

*yyyy*

The target device (cuu or ???? if missing).

*zzzz*

The source device (cuu or ???? if missing).

*ddd...*

The dsn causing the problem or if no specific dsn.

*jjjjjj*

The jobname where the error was detected or '\*\*\*\*\*' if jobname is unknown.

*nnn*

Refer to the EMC z/OS Migrator Product Guide for explanation of suspend codes.

*gggggggg*

The group that this device belongs to. All devices in this group will be suspended.

Suspend processing continues.

**Detecting CSECT:** EFMMSPMW

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If

further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

## EFMM310I

CP SCAN CONDITION: *rrr,jjjjjjjj,ddd,xxxxxxxx*

### Cause

An error was detected while processing a channel program through the z/OS Migrator channel scan processing. This message can be informational or indicate an error, depending on context. This condition could indicate an error in z/OS Migrator processing or a problem with a channel program being processed by z/OS Migrator. Where the channel program is being processed for a primary device, mirroring may subsequently be suspended. However, if the primary device I/O also fails then mirror will not suspend.

<i>rrr</i>	Indicates the interface detecting the error:	
	SIO	STARTIO processing
	TIO	IO termination processing
	TST	TESTIO processing
<i>jjjjjj</i>	Indicates the jobname owning the channel program or ***** if the job is no longer active or cannot be determined	
<i>ddd</i>	The device where the error was detected	
<i>xxxxxxxx</i>	Indicates the error detected in the channel scan logic. The general form of <i>xxxxxxxx</i> is <i>ttttttt,uuuuuuu,cc</i> , followed by additional type-specific information.	
	<i>ttttttt</i>	The category of error.
	<i>uuuuuuu</i>	A subcategory of error.
	<i>cc</i>	The CCW command code ( <i>cc</i> ) or CCW image ( <i>ccccccc- ccccccc</i> ) where the condition was detected. If this is not known, then <b>**</b> is displayed.  A CCW may not be the current command code where data chaining is present. In this case the opcode is for reference only.

Group processing will be suspended.

**Detecting CSECT:** EFMMIOMO

### Action

For logic (internal) errors or where an error is described as 'might indicate a channel program error' and a corresponding error was not detected for I/O on the primary

device (normally externalized via the IOSxxxx messages), contact the EMC Customer Support Center for technical support.

Error	Description			
BUFREJ	Buffer reject. This indicates that an internal buffer problem has been detected. These types of errors can either indicate an internal error condition or might indicate a channel program error. The various forms of BUFREJ are as follows:			
	BUFREJ,EXCEED <i>cc,sssssss</i>	A single CCW ( <i>cc</i> ) is attempting to reference > 4K of storage ( <i>sssssss</i> ) without indirect addressing. This would indicate a channel program error		
	BUFREJ,SHORTAGE, <i>cc,ttt,sssssss</i>	<p>The channel program cannot be processed as an internal buffer shortage has been detected. <i>ttt</i> specifies the type of buffer area as follows:</p> <table border="1"> <tr> <td>CCW or CRS</td> <td>Too many CCWs are in the channel program. The <i>sssssss</i> value in the message is the number of CCWs in the failing channel program. You can increase the maximum number of CCWs that can be processed by FM using the DWA_ADD_PAGE global parameter. The DWA_ADD_PAGE description in the EMC z/OS Migrator Product Guide provides details on this parameter.</td> </tr> </table>	CCW or CRS	Too many CCWs are in the channel program. The <i>sssssss</i> value in the message is the number of CCWs in the failing channel program. You can increase the maximum number of CCWs that can be processed by FM using the DWA_ADD_PAGE global parameter. The DWA_ADD_PAGE description in the EMC z/OS Migrator Product Guide provides details on this parameter.
CCW or CRS	Too many CCWs are in the channel program. The <i>sssssss</i> value in the message is the number of CCWs in the failing channel program. You can increase the maximum number of CCWs that can be processed by FM using the DWA_ADD_PAGE global parameter. The DWA_ADD_PAGE description in the EMC z/OS Migrator Product Guide provides details on this parameter.			
		HEAP Internal heap exhausted. This could indicate an internal error.		
		RAN Internal structure shortage. This indicates an internal error.		
CMDREJ	Command reject. A CCW level error has been detected in the channel program. These types of errors would normally indicate a problem with the channel program. The various forms of CMDREJ are as follows:			
	CMDREJ,IDA, <i>cc,ALIGN</i>	The indirect data address is not aligned to a full (format 1 IDAWs) or double word (format 2 IDAWs) boundary. This would indicate a channel program error		
	CMDREJ,IDAW, <i>cc,ALIGN,iiiiiii</i>	An IDAW (not first) indicated by <i>iiiiiii</i> is not aligned to a 2K (format 1 IDAW) or 4K (format 2 IDAW) boundary. This would indicate a channel program error.		

Error	Description	
	CMDREJ,ILC, <i>cc,IIIIII</i> CMDREJ,PS F-ILC, <i>cc,IIIIII</i>	A data transfer length ( <i>IIIIII</i> ) is not valid (too small) for the CCW ( <i>cc</i> ). This might indicate a channel program error.
	CMDREJ,LR-NSUP, <i>cc,ddddddd</i> CMDREJ,PFXLRE- NSUP , <i>cc,ddddddd</i>	The CCW ( <i>cc</i> ) for locate record (LR) or locate record extended (LRE) with locate record data as indicated by <i>ddddddd</i> (16 bytes for LR/22 bytes for LRE) cannot be processed. The LR or LRE opcode is not known to z/OS Migrator. This might indicate a channel program error.
	CMDREJ,NSUP, <i>cc</i>	The CCW ( <i>cc</i> ) opcode is not known to z/OS Migrator. This might indicate a channel program error.
	CMDREJ,PSF- NSUP, <i>cc,ss</i>	The CCW ( <i>cc</i> ) for perform subsystem function (PSF) contains a not known to z/OS Migrator. This might indicate a channel program error.
	CMDREJ,SEQUEN CE, <i>cc,ss</i>	A CCW ( <i>cc</i> ) sequencing error has been detected. This indicates multiple define extent (DX) capable CCWs (DX,PFX,READIPL) have been detected in the channel program. <i>ss</i> indicates the first DX capable CCW in the channel program. This would indicate a channel program error.
	CMDREJ,TIC, <i>cc</i> ,ALI GN	
	CMDREJ,TIC, <i>cc</i> ,TOTIC	A TIC CCW ( <i>cc</i> ) error has been detected. Either the TIC-to address is not double word aligned or the TIC-to CCW is also a TIC. This would indicate a channel program error.
CPREJ	Channel program reject. A Channel program level error has been detected. These types of errors would normally indicate an overall problem with the channel program. The various forms of CPREJ are as follows:	
	CPREJ,NULL,**	A STARTIO was requested, however a NULL channel program pointer was detected. The request cannot be processed. This might indicate a channel program error.
	CPREJ,PCI,**	A channel program containing PCI (intermediate status interrupt) was requested but cannot be processed. z/OS Migrator does not support these types of channel programs.

Error	Description	
	CPREJ,SUSPEND,**	A suspend channel program was requested but cannot be processed. These are typically used by the z/OS Auxiliary Storage Manager (ASM) component. z/OS Migrator does not support these types of channel programs.
	CPREJ,ZHPF,**	A channel program was detected to a device that has zHPF enabled and Migrator does not support zHPF channel programs.
LOGERR	Logic error. A logic (internal) error has been detected in z/OS Migrator in the channel scan logic. The various forms of LOGERR are as follows:	
	LOGERR,BUF , <i>cc,x</i>	A logic error was detected while processing internal data buffers for the indicated CCW( <i>cc</i> ). <i>x</i> indicates additional diagnostic information for EMC Technical support.
	LOGERR,EOFRAME, <i>cc,x,ttt</i>	While attempting to build a duplicate channel program, an end of buffer frame condition was detected while processing the indicated CCW ( <i>cc</i> ). <i>x</i> and <i>ttt</i> indicate additional diagnostic information for EMC Technical support.

A single CCW (*cc*) is attempting to reference > 4K of storage (*sssssss*) without indirect addressing. This would indicate a channel program error.

## EFMM311I

REQUEST REJECTED: *jjjjjjjj,dddd,xxxxxxxx*

### Cause

A request to access a z/OS Migrator managed device (*dddd*) has been rejected.

**|||||**

Indicates the jobname attempting the access or **\*\*\*\*\*** if the job is no longer active or cannot be determined.

**xxxxxxxx**

Indicates the reason for the I/O rejection:

- **WRI**  
A write request to a mirror device was disallowed. z/OS Migrator prevents write activity to a non-deactivated mirror to preserve data integrity. A non-deactivated mirror is either active, synchronizing, or suspended.
- **EXCEED**  
The channel program exceeded the allowable size. The associated z/OS Migrator message EFMM310I indicates the current channel program size restriction.
- **SCNFAIL**  
The z/OS Migrator channel program scan logic has detected a condition that cannot allow access to the mirror device. The associated message, EFMM310I, provides additional information.

#### Detecting CSECT: EFMMHSIO

##### Action

The application request will be failed, as with an I/O error.

- **WRI**  
Do not run jobs that write to the mirror device while mirroring is active.
- **EXCEED**  
Increase the z/OS Migrator DWA\_ADD\_PAGE value and restart the z/OS Migrator server. The DWA\_ADD\_PAGE description in the EMC z/OS Migrator Product Guide provides more information.
- **SCNFAIL**  
Refer to the action with the associated EFMM310I message.

## EFMM312W

```
VOL1 LABEL NOT VERIFIED:
jjjjjjjj,dddd,cccccccc-cccccccc <volume_label_image_lines>
```

##### Cause

A volume label mismatch was detected on the indicated z/OS Migrator device (*dddd*). z/OS Migrator retains particular information about the status of the mirror in the volume label on the mirror device. Each time the volume label is accessed by a channel program, z/OS Migrator validates that the data is consistent with its internal view. This message indicates that the label does not match the internal view maintained by z/OS Migrator. This message would normally be issued only if the volume label was not correctly processed by the z/OS Migrator channel scan processing or if the mirror volume label has been overlaid.

<i>jjjjjj</i>	Indicates the jobname attempting the access or ***** if the job is no longer active or cannot be determined.
<i>cccccccc-cccccccc</i>	Indicates the CCW responsible for the VOL1 mismatch. The image of the VOL1 label, located by the channel scan logic, follows this message.

Group processing will be suspended.

**Detecting CSECT: EFMMIOVM****Action**

z/OS Migrator performs volume label verify processing on the next write request to the mirror device. If the volume label indicates an incorrect z/OS Migrator state, then mirroring is suspended or deactivated. If this occurs, then it might be necessary to reactivate mirroring.

Ensure that there are not interloper systems (other LPARs) accessing the mirror without z/OS Migrator being active. If the volume verification performed on the next write indicates a valid mirroring state, then mirroring continues. This could indicate an issue with the volume label channel scan processing. Contact the EMC Customer Support Center for technical support.

**EFMM313E**

```
LLLLLLLL extent translation error on DDDDDDDD.
DDDDDDDD.DDDDDDDD.DDDDDDDD.DDDDDDDD,YYYY,JJJJJJJJ
```

**Cause**

An error has been detected during processing of a channel program.

*LLLLLLLLL* - No Information

*DDDDDDDD* - No information

*YYYY*- The device where the error was detected, or "\*\*\*\*\*" if unknown.

*JJJJJJJ*- The jobname where the error was detected, or "\*\*\*\*\*" if the jobname is unknown.

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.

**EFMM314I**

```
GROUP GGGGGGGG I/O RESUMED BY R
```

**Cause**

Data consistency has been preserved on this host. IO has now been resumed for the SUSPEND or DEACTIVATE.

*GGGGGGGG*

Is the group that this device belongs to.

*R*

Indicates what processing resumed. the group. This would be the device that first detected the condition.

Possible values are:

GROUP



Indicates that the group suspend processing detected that IO should be resumed.

MIH

MIH processing detected an issue with the suspend/deact processing.

YYYY(ZZZZ)

Indicate that this device pair detected that IO should be resumed.

YYYY: The target device (CUU OR ???? if missing).

ZZZZ: The source device (CUU OR ???? if missing).

**Detecting CSECT:** EFMMSPMW

**Action**

None. This is an informational message.

## EFMM315E

```
GROUP GGGGGGGG I/O RESUMED INCONSISTENT (EEEEEEEE) BY R
```

**Cause**

Data consistency cannot be ensured on this host for the indicated reason. IO has been resumed for the SUSPEND or DEACTIVATE.

*EEEEEEEE* indicates the error reason:

NMIRR - All devices in the group where not mirroring at the time the suspend or deactivate occurred.

EXPIRE - The IO consistency hold time period expired.

SUSPERR - The prior SUSPEND was not consistent. This would usually only occur on a DEACTIVATE that follows an unsuccessful SUSPEND.

**Detecting CSECT:** EFMMSPMW and EFMMIHP

**Action**

The target data might not be in a consistent state. If consistent target data is required, the group must be RESUMEd or ACTIVATED to a mirroring state prior to the SUSPEND or DEACTIVATE.

## EFMM399I

```
MIRROR PROCESSING NOT INSTALLED
```

**Cause**

This version of the z/OS Migrator product does not contain z/OS Migrator support.

Volume migration will not be supported.

**Detecting CSECT:** EFMMMAIN

**Action**

If you believe this message was issued in error, please contact the EMC Customer Support Center for technical assistance.

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**Note**

Many of the messages you receive from z/OS Migrator display RSN codes. The RSN codes are obtained from the mirror device where the device is available. RSN codes are explained in the EMC z/OS Migrator Product Guide.

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## EFMM421W

```
Target xxxx online to system yyyy
```

**Cause**

During group activation, a check of the agent systems determined that device *xxxx* is online to system *yyyy*.

**Detecting CSECT:EFMMSYNC**

**Action**

Vary the device offline to each system listed. The QUERYDEV and VARYOFF commands from within z/OS Migrator can be used to ensure the device is offline to all systems in the z/OS Migrator plex.

## EFMM422E

```
Device ccuu Check OFFLNE Fail sysn SAF Authorization Error  
where ccuu is the device address and sysn is the z/OS system on which  
the device check was done
```

**Cause**

During Volume Migration Group Activate, a check is done on all agent systems to ensure all TARGET devices are offline via the MFE/CSC DEVSERV interface. This message indicates authority to the EMC facility class EMC.DEVSERV.\*\* was not correct and the device status could not be validated

**Detecting CSECT: EFMMSYNC**

**Action**

Group Activation fails. Correct the SAF environment and retry the activation.

## EFMM422I

```
Device xxxx yyyyyyy to system zzzz <RSN=rs>
```

**Cause**

This message is returned from the QUERYDEV command for a given device and reports the online/offline status (*yyyyyy*) of device *xxxx* on system *zzzz*. If an error is encountered attempting to validate the device status, it may be reported via the optional RSN=RS information.

Processing continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM423I

```
xxxxxxx device ccuu <optional informational messages>
```

**Cause**

As a result of the QUERYDEV, QUERYOFF, QUERYON, VARYOFF or VARYON commands, this message may be issued to show the command is being processed for the user. Under normal conditions, the message includes only the literal 'device' along with the device's CCUU.

Under some circumstances, the 'I' suffix is modified to 'W' to indicate the returned information does not necessarily match the query as issued but did not rise to the condition of being an error.

If an error occurs during processing of the command, the 'I' suffix is modified to 'E' and additional information may be displayed.

**Detecting CSECT:** EFMMCOMM

**Action**

If the message suffix is 'I' or 'W', this is an informational/warning message and no action is required. If suffixed 'E', contacting your own Systems Administrator and/or EMC Support may be required.

## EFMM424I

```
Device ccuu now xxxxxx to system yyyy <rsn=rs>
```

**Cause**

As a result of VARYON/VARYOFF command processing for a given device, this message is issued to report on transitional status for devices included with the VARYON/VARYOFF z/OS Migrator commands on each of the systems in the z/OS Migrator-plex.

*ccuu* is the device address, *yyyy* is the system in question and *xxxxxx* is ONLINE/OFFLINE/UNAVAIL. If an error is encountered gathering information for a device, optional information may be appended via RSN=*rs*.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM440E

```
Invalid parameter passed via call - xxxxxxxx
```

### Cause

In this message, *xxxxxxx* is either @DWGLB or @DWGDEV. This message is used to indicate there was a problem with either the global control area or the device control block parameter value passed to EFMMQHPPF on a z/OS Migrator agent system at activation time.

Group Activation fails.

**Detecting CSECT:** EFMMQHPPF

### Action

Contact EMC Support for further assistance.

## EFMM441E

```
@EIOBBLD failure RC=xxxxxxxx
```

### Cause

During group activation, routine EFMMQHPPF is called on all agent system to set the zHPF attribute for that group's devices. This routine uses SIOIOB as an interface to read the Feature Code set for a given device and was unable to obtain storage for the IOB/SRB used to gather device characteristics.

**Detecting CSECT:** EFMMQHPPF

### Action

Determine why common storage is not available for this request. If unable to resolve, contact EMC Support personnel.

## EFMM442E

```
SIOIOB failure ccuu R15=xxxxxxxx retncode/reascode/reascode
```

### Cause

During a call to SIOIOB to obtain device attributes, EFMMQHPPF received a non-zero return code in register 15 and has failed the call. The error messages lists R15 along with the Return Code and Reason Codes from the @IOB block used by SIOIOB.

Group activation fails.

**Detecting CSECT:** EFMMQHPPF

### Action

Contact EMC Support personnel.

## EFMM443E

```
Read Feature Codes CCW CMD Reject for device xxxx
```

### Cause

During group activation, routine EFMMQHPPF is called to obtain zHPF characteristics for the associated devices. The RFC used to obtain this information was rejected by the channel subsystem indicating this device does not support the RFC call.

Group activation continues and device is marked as non-zHPF. Processing continues.

**Detecting CSECT:** EFMMQHPPF

### Action

-

## EFMM444E

```
EFMMQHPPF Query/Set zHPF ESTAEX invoked
```

### Cause

An error has occurred in the routine sufficient to drive the ESTAEX exit.

Group activation fails.

**Detecting CSECT:** EFMMQHPPF

### Action

Contact EMC Support personnel.

## EFMM445E

```
Migrator could not disable zHPF mode for CUU xxxx Group yyyyyyyy  
Group activation is ABORTED
```

### Cause

During activation of a logical migration group, an error was detected during the step to disable zHPF mode for either the source or target device in the pair. *xxxx* is the device and *yyyyyyyy* is the group to which the device pair belongs.

**Detecting CSECT:** EFMMSYLM

### Action

Check sysout and console messages to determine the error causing the zHPF mode disable to fail. Reactivate when the issue has been resolved.

## EFMM446E

```
Migrator could not disable zHPF mode for devices
xxxx/yyyy in Group zzzzzzzz
Group activation is ABORTED
```

### Cause

During activation of a volume migration group, an error was detected during the step to disable zHPF mode for the associated device pair. *xxxx* is the source device, *yyyy* is the target device and *zzzzzzzz* is the group to which the device pair belongs.

Detecting CSECT: **EFMMSYNC**

### Action

Check sysout and console messages to determine the error causing the zHPF mode disable to fail. Reactivate when the issue has been resolved.

## EFMM463I

```
Expanding Storage Type xxxx to nnnnn Elements took sss uSec|
mSec.
```

### Cause

During mirroring, the z/OS Migrator channel scan process uses page fixed storage and this storage is managed via z/OS Migrator's Storage Management subsystem. When storage cannot be had from a storage pool or the in-use percentage exceeds that specified (or defaulted to), the pool is expanded provided there is available room (as defined by the pool maximum size). EFMM463I is issued to indicate the expanding storage pool type (*xxxx*), the new count of elements in the pool (*nnnnn*) and the time it took to expand the pool. Time is expressed as microseconds (mSec) or nanoseconds (uSec).

Mirror processing continues after the storage pool is expanded.

Detecting CSECT:EMC\$MSWM

### Action

None. This is an informational message.

## EFMM471W

```
ENF Listener setup for ENFPCccc failure! RC is return_code
```

### Cause

During activation, an ENF listener may be established for various z/OS system events that z/OS Migrator is meant to monitor. This can include device Vary Online, device Vary Offline and Dynamic Volume Expansion. During setup for the listener task, (REQUEST=LISTEN) an error was encountered for which the *return\_code* might be an indication of the problem source. The listener has not been established; however, z/OS Migrator base functions are able to continue in a limited capacity with regards to the processing done as part of the event monitoring.

**Detecting CSECT: EFMMHOOK****Action**

The activation continues. Setup of the ENF Listener is attempted at activation for each device pair so multiple messages of this kind may be seen as each device pair is processed and z/OS Migrator attempts to retry the setup for the listener. See the z/OS Migrator Product Guide for more information concerning ENF Listen events and contact EMC Technical Service as additional support is required.

## EFMM474E

```
MAXIMUM POOL REACHED for xxxx
```

**Cause**

The page fixed storage pool used for mirroring source volume writes identified by *xxxx* has exceeded the allowable size as defined by the STGPOOL CONFIG parameter or the default set at z/OS Migrator initialization.

The mirror group suspends as the integrity of the target data with respect to channel mirroring cannot be ensured if there is insufficient storage available while mirroring the channel programs.

**Detecting CSECT: EMC\$MWSM****Action**

Attempt to RESUME the mirror group or DEACT and reACTIVATE to renew relationship between devices. Contact EMC support personnel if this problem persists.

## EFMM474I

```
Shrinking Storage Type xxxx to nnnn Elements took sss mSEC|uSEC
```

**Cause**

During mirroring, the z/OS Migrator channel scan process uses page fixed storage and this storage is managed via z/OS Migrator's Storage Management subsystem. When the in-use percentage falls below the minimum level specified (or defaulted to) at which pool contraction occurs, the pool is shrunk down to that point. EFMM474I is issued to indicate the shrinking storage pool type (*xxxx*), the new count of elements in the pool (*nnnn*) and the time it took to contract the pool. Time is expressed as microseconds (mSEC) or nanoseconds (uSEC).

Mirror processing continues.

**Detecting CSECT:EMC\$MSWM****Action**

None. This is an informational message.

## EFMM500I

```
OPERATOR COMMAND ECHO
```

**Cause**

An operator command was issued. It is echoed to the console and the message log for documentation.

Processing continues.

**Detecting CSECT:** various CSECTs

**Action**

None. This is an informational message.

## EFMM504I

```
STORAGE @ xxxxxxxx HAS BEEN SUCCESSFULLY CHANGED
```

**Cause**

A diagnostic command has been issued to alter certain memory contents. In extreme circumstances support personnel may direct such activities.

Processing continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM505I

```
xxxxxxx DEVICES IN RANGE xxxx-xxxx
```

**Cause**

An operator display has been issued for the indicated devices.

Processing continues.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMM530I

```
GROUP xxxxxxxx *action*
```

**Cause**

An operator command has been issued to perform the indicated action against group xxxxxxxx.

Possible values for *\*action\** are:

- ACTIVATED
- DEACTIVATED
- SUSPENDED
- RESUMED



- SPLIT
- SPLITMOUNT

Processing continues.

**Detecting CSECT:** EFMMCOMM, EFMMSYNC

**Action**

None. This is an informational message.

## EFMM531I

```
GROUP xxxxxxxx NOT *action* - reason text
```

**Cause**

A request to change the state for a particular volume group cannot be honored for the indicated reason. Possible values for *\*action\** are:

- ACTIVATED
- ALTERED
- COMPLETED
- DEACTIVATED
- DELETED
- RESUMED
- SPLIT
- SPLITMOUNT
- SUSPENDED
- SWAP
- VERIFIED

---

**Note**

SWAP is valid only for Constant Copy and Consistent Migration groups.

---

Possible values for *reason text* are:

- Active mirror I/O on *ccuu*  
During SWAP processing, active I/O was detected on device *ccuu*. z/OS Migrator will retry up to 10 times and then fail the process with this error. The SWAP is not performed.
- AutoSwap PING failure  
During activation, z/OS Migrator detected Autoswap was not available. Ensure the SCF task includes the Licensed Feature Code (LFC) entry for z/OS Migrator or, preferably as of Migrator 4.2, includes the SCF.DAS.ACTIVE=YES SCF INI Parameter entry. This ensure both Autoswap and CSC are active and available to Migrator. See EMC z/OS Migrator Product Guide and EMC Mainframe Enablers ResourcePak Base for z/OS Product Guide for details.
- BOTH DEVS NON-EMC (*ccuu/ccuu*)  
The attempted SWAP of a Constant Copy group is failed as both devices in this pair are non-EMC devices and for SWAP services, at least one EMC device is required.

- `CC SWAP CONFLICT (ccuu/ccuu)`  
The attempted SWAP of a Constant Copy group is failed as both devices in this pair are non-EMC devices and for SWAP services, at least one EMC device is required.
- `ccuu LOCKED`  
The indicated unit was found locked with lock code nn by another service.
- `ccuu NOT EMPTY`  
The group definition called for the target or mirror to be verified as empty and it is not.
- `ccuu NOT OFFLINE`  
Target or mirror devices are required to be offline at activation time. The indicated unit was online.
- `ccuu NOT SAME UCB`  
A defined device was found not to have the same UCB address as it did at definition time.
- `ccuu PAGING DEVICE`  
A defined device was found to be a paging or CA/OPS device and SWAP options do not allow for the use of paging devices.
- `ccuu WRONG VOLSER`  
The group definition called for the target or mirror volume serial number to be verified. The indicated unit failed verification.
- `CONGROUP CONFLICT (ccuu/ccuu)`  
The indicated migration or mirror pair fails to meet the requirements for ConGroup interaction.
- `DEVICES ACTIVE`  
An attempt was made to perform an operation not valid with devices already active.
- `GROUP NOT ACTIVE`  
An attempt was made to perform an operation not valid with an inactive group.
- `GROUP NOT FOUND`  
The requested group was not found in the in-memory tables.
- `GROUP NOT SUSPENDED`  
An attempt was made to resume or deactivate a group not in suspended state.
- `GROUP NOT OWNED`  
An attempt was made to perform an operation from a Migrator instance that does not own the specified group.
- `Group Path Validate`  
During group activation, path validation services were called and encountered error(s) with the devices in the group. Regardless of activation type (command line, batch, or ISPF interface), the z/OS Migrator server task log must be examined to identify the source and/or target devices in error along with the reason for those errors. For this error type, the typical reason would be either a source device has been found online to a system where the z/OS Migrator server is not active or a target device has been found online to a system and needs to be varied offline. The result of the z/OS Migrator server issuing this message is the group activation is aborted.
- `HIPRI VOL IN MIRROR GRP`  
An attempt was made to activate a group designated a mirror group (could be a consistent mirror group but does not have to be) and the group includes a volume pair where the SOURCE volume holds either a PAGE dataset or a CA/OPS SYSCHK1 or OPSLOG file. These volumes should only be included as part of

volume migration SWAP group as these are designated for specialized processing to accommodate the high priority aspect of these volumes.

- `INCOMPLETE GROUP`  
One or more of the devices cannot be accessed.
- `NO DEVICES`  
The group has no devices defined.
- `NO NEWVOL (ccuu)`  
An attempt was made to activate or reset a group for `SPLIT(ONLINE)` or `SPLITMOUNT` without a specified `NEWVOL` or volume prefix.
- `NORUN Invalid VolGrp`  
An attempt was made to use the `NORUN` option of the `ACTIVATE` command with a Volume Migration group. `NORUN` is valid only with Logical Migration groups as the primary purpose is to return a list of datasets (source and target) that will be included in the activation of this group.
- `Not ConstCopy or Consistent`  
An attempt was made to perform a `SPLIT` or `DIVERT` command against a group not in `ConstantCopy` or `Consistent Migration` mode.
- `NOT WELL KNOWN`  
An attempt was made to activate a group not defined to all participating and active servers. Examine the group status and log of the other active servers for references to the group.
- `SNAPAPI ERROR=n`  
A dataset `EXTEND` request to the `SNAP API` failed with return code *n*. Explore other `ddname` output for more information related to why the `EMC SNAP API EXTEND` request may have failed.
- `SNAP RC=n`  
A call to `EMC SNAP` failed with return code *n*. Explore other `ddname` output for more information related to why the `EMC SNAP` request may have failed.
- `Swap request rejected`  
During `SWAP` processing, an error was detected resulting in the failure of the `SWAP` request. Explore other `ddname` output for more information related to why the request may have been rejected. The `SWAP` is not performed.

Processing may continue.

**Detecting CSECT:** EFMMCOMM, EFMMDBHB, EFMMSSLM, EFMMSYNC

#### Action

Take any necessary prerequisite action and retry the command. The `EFMMUTIL` and `QCOUT00x` sysout `DDNAMEs` under the z/OS Migrator task may contain additional information helpful in resolving this issue. The product guides for both z/OS Migrator and ResourcePak Base may also have additional information helpful in diagnosing the circumstances. Contact EMC support for additional help in resolving the problem.

## EFMM532I

```
GROUP xxxxxxxx DELETED
```

#### Cause

A request has been made to remove the specified volume group for the in-memory tables. The volume group has been deleted.

Processing continues.

**Detecting CSECT: EFMMCOMM**

**Action**

None. This is an informational message.

## EFMM533I

```
GROUP xxxxxxxx NOT DELETED - reason txt x
```

**Cause**

The volume group could not be deleted from the in-memory tables for the indicated reason. Possible values for reason txt are:

- DEVICES ACTIVE
- GROUP NOT FOUND
- NO DEVICES
- RC=xxxxxxx-xxxxxxx

Processing continues.

**Detecting CSECT: EFMMCOMM**

**Action**

Make sure the volume group has been deactivated and retry if desired.

## EFMM544I

```
Group xxxxxxxx is now Diverted
```

**Cause**

For a Logical Migration group, this message is issued when the diversion process has successfully completed and all datasets belonging to the indicated group are in DIVERTED status.

z/OS Migrator execution continues.

**Detecting CSECT: EFMMSYLM**

**Action**

None. This is an informational message.

## EFMM603E

```
INVALID COMMAND OPTION => X
```

**Cause**

This message lists invalid command options.

The command is rejected.

**Detecting CSECT: EFMMCOMM**

**Action**

Correct the specification and retry.

## EFMM604E

COMMAND IS NOT CURRENTLY IMPLEMENTED

### Cause

A future command was recognized but is not currently supported. The command is ignored.

**Detecting CSECT:** EFMMCOMM

### Action

-

## EFMM605E

INVALID COMMAND SYNTAX => X

### Cause

This message displays invalid command syntax.

The command is rejected

**Detecting CSECT:** EFMMCOMM

### Action

Correct the error and retry.

## EFMM606E

REQUIRED COMMAND PARAMETERS NOT SUPPLIED

### Cause

The command you entered is incomplete. The command is rejected.

**Detecting CSECT:** EFMMCOMM

### Action

Check the command documentation and retry.

## EFMM607E

LENGTHS OF FROM AND TO VALUES ARE UNEQUAL

### Cause

A diagnostic command to alter memory specifies mismatched data lengths.

The command is rejected.

**Detecting CSECT:** EFMMCOMM

### Action

Contact the EMC Customer Support Center, correct the error and retry.

## EFMM608E

CHANGING LOW CORE STORAGE IS NOT ALLOWED

**Cause**

An attempt was made to modify storage not in the control of z/OS Migrator. The request is disallowed.

The command is rejected.

**Detecting CSECT:** EFMMCOMM

**Action**

Correct the request and retry.

## EFMM609E

FROM STORAGE FAILED VERIFICATION

**Cause**

Verification failed on a request to alter memory. The command is rejected.

**Detecting CSECT:** EFMMCOMM

**Action**

Correct the command and retry.

## EFMM610E

STORAGE @ XXXXXXXX IS NOT ACCESSIBLE

**Cause**

A request to modify storage found the storage inaccessible. The command is rejected.

**Detecting CSECT:** EFMMCOMM

**Action**

Contact the EMC Customer Support Center and retry the command if indicated.

## EFMM611E

CUU XXXX IS NOT A DEFINED DEVICE

**Cause**

A request to display device information specified an undefined device. The command is rejected.

**Detecting CSECT:** EFMMCOMM

**Action**

Correct the command and retry.

## EFMM705E

```
No REFVTOC entries found on Global Queue - refvtoc_task task
initiation aborted
```

### Cause

A user-initiated REFVTOC command to process residual global REFVTOC requests has been issued; however, no entries were found on the global queue through which the requests are processed.

*refvtoc\_task* is the user-specified started task for REFVTOC processing or the default EFMRFVTC task name.

Detecting CSECT: EFMMLCOMM

### Action

This is an informational message issued when the REFVTOC process is requested but no work requests are found on the global REFVTOC queue. If this result does not match your expectation, contact EMC Technical Support for further assistance.

## EFMM706I

```
refvtoc_task successfully started via ASCRE RC(rc) RS(rs)
STJOBNM(stjobnm) STSTPNM(ststpnm) STPGMNM(stpgmnm)
```

### Cause

This message is issued if the SYNC debug bit is set in the processing flag bits (at startup or via SET DEBUG command processing).

This message is normally not displayed but would be when either of the following occurs:

- The REFVTOC STC is initiated when a group successfully completes,
- A SWAP command is issued for a Consistent Migration group, or
- A SUSPEND/DEACT is done for a group where REFVTOC is specified and found to be pertinent to the group at hand.

### *refvtoc\_task*

The user-specified started task for REFVTOC processing or the default EFMRFVTC task name.

### *rc*

The return code from the request to start the task.

### *rs*

The reason code associated with the start request.

### *stjobnm*

The job name for the STC request.

### *ststpnm*

The step name for the STC request.

### *stpgmnm*

The program name associated with the STC request.

Detecting CSECT: EFMMCOMM and EFMMSYNC

**Action**

None. This is an informational message only.

## EFMM707E

```
refvtoc_task failed to start via ASCRE RC(rc) RS(rs) STJOBNM(stjobnm)  
STSTPNM(ststpnm) STPGMNM(stpgmnm)
```

**Cause**

This error message indicates a problem has been encountered with starting the automated REFVTOC task. It is issued when the return code information from the request to start the automated REFVTOC task has failed.

***refvtoc\_task***

The user-specified started task for REFVTOC processing or the default EFMRVTC task name.

***rc***

The return code from the request to start the task.

***rs***

The reason code associated with the start request.

***stjobnm***

The job name for the STC request.

***ststpnm***

The step name for the STC request.

***stpgmnm***

The program name associated with the STC request.

Detecting CSECT: EFMMCOMM and EFMMSYNC

**Action**

Contact EMC Technical Support for further assistance, providing the return code and reason code indicated in the message to help determine why the request has failed.

## EFMM708I

```
Automatic REFVTOC started task refvtoc_task initiated for group  
grpname
```

**Cause**

This message is issued when either of the following occurs:

- REFVTOC STC *refvtoc\_task* is initiated when a group successfully completes,
- A SWAP command is issued for a Consistent Migration group, or
- A SUSPEND/DEACT is done for a group where REFVTOC is specified and found to be pertinent to the group at hand.



*refvtoc\_task* is the user-specified started task for REFVTOC processing or the default EFMRFVTC task name. *grpname* is the user-defined Migrator group name representing the Migration event.

Detecting CSECT: EFMMCOMM and EFMMSYNC

**Action**

None. This is an informational message only.

## EFMM727E

```
Device is Soft Fenced ccuu/ucb@
```

**Cause**

A logical migration group has been activated and either the source or target device(s) involved are Soft Fenced and not available for migration. Group activation is aborted.

**Action**

Either reset the device to non Soft Fenced status or remove any datasets from the planned logical migration that are on the reported device.

## EFMM728E

```
EAV Device not allowed ccuu/ucbaddr
```

**Cause**

This message is issued for device *ccuu* with UCB address *ucbaddr* when a logical migration is attempted for a dataset on an EAV device which is not supported with z/OS Migrator.

Detecting CSECT: EFMMSNAP

**Action**

Remove the dataset on the EAV device from the logical migration group and reactivate the groups.

## EFMM888W

```
Alloc/Free VTOC(IX) Space mismatch on volser at Bitmap Cyl: ccccccc
Mask: mmmm
```

**Cause**

During volume migration fast copy request, call to MFE/SCF Extents has detected a mismatch between allocated tracks as determined by the DSCBs vs free tracks as determined by the free space mapping in the VTOC(IX).

The *volser* is the source device in question. The cylinder number (hex) at which the mismatch occurs is *ccccccc*. The found mask value in the bitmap is *mmm*.

This is likely due to a product such as Real Time Defrag from Interchip AG being active against the source volume at the time of the Migrator function(s). This message is issued for each cylinder this mismatched condition is found in. The process methods used by Real Time Defrag are incompatible with z/OS Migrator.

Detecting CSECT: EFMMSYNC

#### Action

If the migration has just started, the copy is converted from Fast Copy (only allocated tracks) to Full Copy (all tracks) to ensure no tracks are missed due to the mismatch found. If the copy is at its end and we find this type of mismatch between allocated and free space on the device, the migration is aborted for the source/target device pair in question. Both messages EFMM889W and EFMM999W should follow with more information. If RTD is active anywhere access to the source device can be had, terminate RTD and then rerun the EMC Migration, again using Fast Copy if desired.

Contact EMC Technical Support if there are any further issues or questions related to this condition.

#### CAUTION

**If the Real Time Defrag product (RTD) from Interchip AG is active on any LPAR with access to the source devices included as part of any z/OS Migrator group, it is REQUIRED that RTD be terminated for the time Migrator events are run. Data Integrity cannot be assured by z/OS Migrator if RTD is running anywhere with access to any of the source devices. Contact EMC Technical Support if there are any further questions concerning this product incompatibility and potential data-loss issue.**

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## EFMM889W

Allocated/Free Space mismatch detected during copy process for Source volume *volser*

#### Cause

During volume migration fast copy request, call to MFE/SCF Extents has detected a mismatch between allocated tracks as determined by the DSCBs vs free tracks as determined by the free space mapping in the VTOC(IX).

The *volser* is the source device in question. This message is issued along with EFMM888W and is likely due to a product such as Real Time Defrag from Interchip AG being active against the source volume at the time of the Migrator function(s). The process methods used by Real Time Defrag are incompatible with z/OS Migrator.

Detecting CSECT: EFMMSYNC

#### Action

See Action for EFMM888W. This is an informational message only.

If Real Time Defrag from Interchip AG is active anywhere access to the source device can be had, terminate RTD and then rerun the EMC Migration, again using Fast Copy if desired.

Contact EMC Technical Support if there are any further issues or questions related to this condition.

**⚠ CAUTION**

If the Real Time Defrag product (RTD) from Interchip AG is active on any LPAR with access to the source devices included as part of any z/OS Migrator group, it is **REQUIRED** that RTD be terminated for the time Migrator events are run. Data Integrity cannot be assured by z/OS Migrator if RTD is running anywhere with access to any of the source devices. Contact EMC Technical Support if there are any further questions concerning this product incompatibility and potential data-loss issue.

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## EFMM900I

FAST MIRROR SERVER NOT ACCEPTING COMMANDS

**Cause**

The z/OS Migrator service task is not active to process the command. The command is rejected.

**Detecting CSECT:** EFMMSSM

**Action**

Restart the z/OS Migrator service task and retry.

## EFMM901E

UNABLE TO OBTAIN STORAGE TO QUEUE COMMAND BUFFER

**Cause**

Internal error trying to queue the command to the z/OS Migrator service task. The command is rejected.

**Detecting CSECT:** EFMMSSM

**Action**

If the problem persists, contact the EMC Customer Support Center for assistance.

## EFMM902E

MAX\_COMMANDQ REACHED, PLEASE RETRY

**Cause**

The z/OS Migrator command queue is full. This is probably an internal error. The command is rejected.

**Detecting CSECT:** EFMMSSM

**Action**

If the problem persists, contact the EMC Customer Support Center for assistance.

## EFMM903E

```
ASCB FAILED VALIDATION FOR XM POST
```

### Cause

A cross memory error was encountered trying to schedule the command for execution by the service task. This is probably an internal error.

The command is rejected.

**Detecting CSECT:** EFMMSSM

### Action

If the problem persists, contact the EMC Customer Support Center for assistance.

## EFMM912E

```
Open failed for ddname SYSIN
```

### Cause

The JCL used to invoke the z/OS Migrator batch interface EFMMBAT did not include the SYSIN ddname which holds the command input to z/OS Migrator.

**Detecting CSECT:** EFMMBAT

### Action

Correct the JCL used with EFMMBAT to include the SYSIN ddname.

## EFMM913E

```
Open failed for ddname EFMMBAT
```

### Cause

The JCL used to invoke the z/OS Migrator batch interface EFMMBAT did not include the EFMMBAT ddname which holds the requested diagnostic output from the z/OS Migrator server.

**Detecting CSECT:** EFMMBAT

### Action

Correct the JCL used to invoke EFMMBAT to include the EFMMBAT ddname.

## EFMM914I

```
Open successful for ddname EFMMBAT
```

### Cause

The JCL used to invoke the z/OS Migrator batch interface EFMMBAT included the diagnostic ddname EFMMBAT and this message is an indication that this output ddname was opened successfully to allow tracking of the requested processing.

**Detecting CSECT:** EFMMBAT

**Action**

None. This is an informational message.

## EFMM915E

Unable to locate requested subsystem

**Cause**

The subsystem requested via the JCL parameters does not exist or is not active at this time.

**Detecting CSECT:** EFMMBAT

**Action**

Correct the JCL to reflect the correct subsystem ID or activate the subsystem.

## EFMM916E

Bad function code

**Cause**

The function passed to the z/OS Migrator server from EFMMBAT was not a valid function as defined via the interface.

**Detecting CSECT:** EFMMBAT

**Action**

Correct the EFMMBAT input stream such that an invalid function is no longer passed to the server. If unable to correct, contact EMC technical support for assistance

## EFMM917E

Zero objects returned

**Cause**

The request made to the z/OS Migrator server did not result in the return of any objects or data.

**Detecting CSECT:** EFMMBAT

**Action**

Examine the input SYSIN stream to ensure the request(s) are proper and should return information when completed. Contact EMC Technical Support if unable to resolve the issue.

## EFMM918E

```
Command output buffer is empty
```

### Cause

The buffer returned from processing the current request passed to the z/OS Migrator server from EFMMBAT was empty.

**Detecting CSECT:** EFMMBAT

### Action

Examine the input processed and the output returned to identify which request is causing the failure. Contact EMC Technical Support if unable to resolve this issue

## EFMM919E

```
Requested subsystem not accepting commands
```

### Cause

The subsystem to which the passed input command stream is targeted is not accepting commands at this time.

**Detecting CSECT:** EFMMBAT

### Action

Examine the parameter card used with the JCL to ensure the correct subsystem is indicated. Check the subsystem (if correct) to identify why it is not accepting commands. Contact EMC Technical Support if unable to resolve the issue.

## EFMM990I

```
Dataset Comparison Successful.
```

### Cause

Dataset comparison was successful.

**Detecting CSECT:** EFMMCMR

### Action

None. This is an informational message.

## EFMM991E

```
Comparison failed - I/O error on target.
```

### Cause

Comparison has failed due to I/O error on the target.

**Detecting CSECT:**EFMMCMR

**Action**

-

## EFMM992E

```
Comparison failed - I/O error on source.
```

**Cause**

I/O error on source drive. The command is rejected.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM993E

```
Command rejected - Group not mirrored.
```

**Cause**

The z/OS command is rejected because the group is not mirrored.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM994E

```
Command rejected - Extent error.
```

**Cause**

The command is rejected due to an extent error.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM995E

```
Command rejected - data component not found.
```

**Cause**

The command is rejected because the data component specified cannot be found.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM996E

```
Command rejected - dataset not found.
```

**Cause**

The command is rejected because the dataset could not be found.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM997E

```
Comparison failed - Storage error
```

**Cause**

The comparison failed because of an internal storage error. The command is rejected.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM998E

```
Compare error on volume vvvvvv: CCHH=xxxxxxxx, Offset=xxxx
```

**Cause**

Comparison error has occurred. The command is rejected.

**Detecting CSECT:** EFMMCMR

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

## EFMM999E

```
SSI UNEXPECTED COND xxxx xxxxxxxx xxxxxxxx xxxxxxxx  
814D MirrWrite Bit *NOT*|NOW set|reset for cuu (after nn Retry)
```

**Cause**

An error was encountered in subsystem interface command processing.



*cuu* is the device *cuu* and *nn* is the retry attempt.

During migration processing, update to Mirror Write bit in controller was 'not' or was 'now' set|reset properly. z/OS Migrator will retry this controller SYSCALL up to 8 times to ensure cross product bit setting is accurate for the specified *cuu*.

The command is rejected.

**Detecting CSECT:** EFMMSSM, EFMMUTIL

**Action**

If the problem persists, make a note of the variable message text and contact the EMC Customer Support Center for assistance.

The 814D message is information and retry should be successful in setting and/or resetting the bit in the controller. If problem persists, contact EMC Customer Support Center for assistance.

## EFMM999I

**Format 1:**

Building device group

**Format 2:**

Cannot release DWGIOQ CPID=*cpid* UCOUNT=*n*

**Format 3:**

CHAIN\_TO\_DWGLB - ANCH @ *addr*, NXT @ *next-addr*, CNT *n*

**Format 4:**

Cleanup previously done @ *addr*

**Format 5:**

Config file is closed

**Format 6:**

Config file is open

**Format 7:**

DBOPEN failed

**Format 8:**

DEBSTGP: *next type gcount hcount ecount pctlo pcthi spnumber maxsize*

**Format 9:**

Deleting *module-name*

**Format 10:**

```
DOCLNUP: STGMGT cleanup - STGVT@addr
```

**Format 11:**

```
DOCLNUP: STGMGT cleanup complete
```

**Format 12:**

```
DWGLB_FLAG1 = flag1 MSTSID=sid
```

**Format 13:**

```
DWSTGFM done
```

**Format 14:**

```
Dumping STGPOOLH at addr
```

**Format 15:**

```
STGPOOLH hexdata1 hexdata2 hexdata3 hexdata4
```

**Format 16:**

```
hexdata1 hexdata2 hexdata3 hexdata4
```

**Format 17:**

```
DWGMIH @ addr, LEN=length
```

**Format 18:**

```
DWSTGFM done R15=r15 R1=r1
```

**Format 19:**

```
DYNALLOC EFMMDB R15=r15 ERR=s99error INFO=s99info
```

**Format 20:**

```
EMCDLOAD RC=rc LEN=length EP=epaddr
```

**Format 21:**

```
Enter name - addr
```

**Format 22:**

```
Entering name - addr
```

**Format 23:**

```
Entering name - addr/contents
```

**Format 24:**

Entering *name* - R3-R4-devnum

**Format 25:**

Expanded device table @ *addr*

**Format 26:**

Freeing base segment @ *addr*

**Format 27:**

Found SSID=*ssid*, CPIX=*prefix*

**Format 28:**

Freeing DWGLB @ *addr*

**Format 29:**

Freeing GDEV pool @ *addr*

**Format 30:**

Freeing leaf segment @ *addr*

**Format 31:**

Group *groupname* now diverted

**Format 32:**

GET\_DEVINFO - Retrying FC01 after timeout CUU=*devnum*

**Format 33:**

Host *ssid/smfid* not found

**Format 34:**

Host *ssid/smfid* not idle

**Format 35:**

Host *ssid/smfid* remove failed

**Format 36:**

Host *ssid/smfid* removed

**Format 37:**

Interface DWA freed

**Format 38:**

Interface DWA inuse by function

**Format 39:**

Interface DWA=*addr*, CNT=*count*, PAGES=*pages*, TLEN=*length*

**Format 40:**

Interface DWGIOQ CPID=*cpid*

**Format 41:**

Interface ENF *n* TOKEN=*token*

**Format 42:**

MIH cleanup failed. MIH not dequeued

**Format 43:**

MIRRSER=*serialnumber*, MIRRDEV=*ssidcca*

**Format 44:**

MIH TQE *addr* queued

**Format 45:**

*name* ADDR is *addr*

**Format 46:**

*name* ending. Stack *stackarea* HWM *stackhwm* XStack *extended-stack* HWM *extended-hwm*

**Format 47:**

*name* error opening

**Format 48:**

*name* error updating

**Format 49:**

*name* interface EP/LP=*epaddr/lpaddr*, LEN=*length*

**Format 50:**

*name* interface PROC EP/LP=*epaddr/lpaddr*, LEN=*length*

**Format 51:**

*name* loaded at *addr*

**Format 52:**

```
name MIH EP/LP=epaddr/lpaddr, LEN=length
```

**Format 53:**

```
name shutdown ECB posted
```

**Format 54:**

```
New base segment @ addr
```

**Format 55:**

```
New device table @ addr
```

**Format 56:**

```
New GDEV pool @ addr
```

**Format 57:**

```
New global block @ addr
```

**Format 58:**

```
New leaf segment @ addr
```

**Format 59:**

```
New SSCT at addr
```

**Format 60:**

```
No UCB found for serialnumber-ssid
```

**Format 61:**

```
Old SSCT at addr
```

**Format 62:**

```
Parse error, action=action
```

**Format 63:**

```
PCF_READ_LOOP: EOF=flag
```

**Format 64:**

```
PRIMSER=serialnumber, PRIMDEV=ssidcca
```

**Format 65:**

```
Processing group definition
```

**Format 66:**

Purge I/O failed CC=*cc* R15=*r15*

**Format 67:**

PROCPAIR\_SAVE\_CUU: OPTS=*options*

**Format 68:**

Re-using active subsystem interface

**Format 69:**

Refresh specified but no active server found

**Format 70:**

REPORT\_DEGDEV:

**Format 71:**

REPORT\_DEVICE\_ENTRY:

**Format 72:**

REPORT\_MW\_VOL1: *devnum eye flags error-reason*

**Format 73:**

Return from EMCKFI is *rc*

**Format 74:**

request: CPFXL=*n* CPFX=*prefix*

**Format 76:**

Reuse global block @ *addr*

**Format 77:**

routine RC=*rc*

**Format 78:**

Sort info: TBL @ *addr* RECL=*entlen* REC#=*cnt*

**Format 79:**

SYMM *serialnumber-ssid* is info

**Format 80:**

814D req failed for *devnum* RC=*rc*

**Format 81:**

```
WRITE VOL1 cuu R15=nnnnnnnn FLGS=xxxx yy
```

**Cause**

Miscellaneous informational messages.

Format 16 is continuation of hexadecimal data display for prior message.

Detecting CSECT:

- Format 1, 22, 24, 25, 32, 43, 54-56, 58, 60, 64, 65, 67, 70-72, 78, 79: EFMMPPARS
- Format 2, 37-41, 49, 50: EFMMHOOK
- Format 3-6, 8-16, 18-20, 27, 28, 45, 51, 57, 59, 61, 66, 68, 69, 73, 75, 76: EFMMMAIN
- Format 7: EFMMDBRE
- Format 17, 44, 52: EFMMMIHI
- Format 21, 23, 26, 29, 30, 63, 77: EFMMMAIN, EFMMPPARS
- Format 31, 53: EFMMSYLM
- Format 33-36: EFMMCOMM
- Format 42: EFMMMIHD
- Format 46: EFMMCOMM, EFMMDBHB, EFMMMAIN, EFMMSSLM, EFMMSSUB, EFMMSYLM, EFMMSYNC
- Format 47, 48: EFMMSSLM
- Format 62: EFMMDBUT, EFMMMAIN, EFMMPPARS
- Format 80: EFMMSSLM, EFMMSSUB, EFMMSYLM
- Formta 81: EFMMUTIL

**Action**

None.

## EFMM999W

```
EXTENTS Failure (Pn) - Check prior log messages for more info
on pair scu/tcu in Group
grpname
'Fast Copy converted to Full Copy' | 'Device pair copy now
ABORTED'
```

**Cause**

During volume migration fast copy request, call to MFE/SCF Extents has detected a mismatch between allocated tracks as determined by the DSCBs vs free tracks as determined by the free space mapping in the VTOC(IX).

The *n* indicates the copy phase (initial is 4, final is 6). The *scu* is the SOURCE device cuu. The *tcu* is the TARGET device cuu. The *grpname* is the associated Group Name including this device copy pair.

The final verbiage is dependent on the phase where the condition was encountered. If initial copy phase 4, the message issued is 'Fast Copy converted to Full Copy'. If final copy phase 6 the message issued is 'Device pair copy now ABORTED'.

This message is issued along with EFMM888W and EFMM889W and is likely due to a product such as Real Time Defrag from Interchip AG being active against the source

volume at the time of the Migrator function(s). The process methods used by Real Time Defrag are incompatible with z/OS Migrator.

Detecting CSECT: EFMMSYNC

#### Action

See Action for EFMM888W. This is an informational message only.

If Real Time Defrag from Interchip AG is active anywhere access to the source device can be had, terminate RTD and then rerun the EMC Migration, again using Fast Copy if desired.

Contact EMC Technical Support if there are any further issues or questions related to this condition.

#### CAUTION

**If the Real Time Defrag product (RTD) from Interchip AG is active on any LPAR with access to the source devices included as part of any z/OS Migrator group, it is REQUIRED that RTD be terminated for the time Migrator events are run. Data Integrity cannot be assured by z/OS Migrator if RTD is running anywhere with access to any of the source devices. Contact EMC Technical Support if there are any further questions concerning this product incompatibility and potential data-loss issue.**

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## EFMMCL01

Mirror quiesce retry failed - nn

#### Cause

Refer to the explanation of reason and state codes found in messages EFMM301W, EFMM303I, and EFMM304I:

#### Reason Codes - Description

- 0 - Valid reason not set.
- 1 - Target I/O failed; detected in EFMMHPST.
- 2 - Target I/O could not be processed as the channel program scan of the source channel program failed.
- 3 - No storage could be obtained from the EFMMIOSM interface for the requested target device channel program. Expansion could not be performed as the server was unavailable.
- 4 - Suspended by user request (for example, by an operator command).
- 5 - At completion of the target I/O, the source I/O status could not be determined as it is no longer queued.
- 6 - Suspend request via ECA.
- 7 - Could not determine the state of an inactive mirror. No DWGIOQ elements available. Server has either not initialized or has cleaned up.
- 8 - A write was requested to a primary source device where the target device was not defined (for example, a mirror device or target logical device is missing).
- 9 - User withdraw requested.



- 10 - Suspended channel program detected in IOS backend; these channel programs are currently unsupported.
- 11 - Mirror I/O failed. Detected in EFMMHDIE.
- 12 - Could not initiate a mirror I/O for a primary write. No DWGIOQ elements available. Server has either not initialized or has cleaned up.
- 13 - During volume verify processing (read/check VOL1 sequence), a mirror state change has been detected. The mirror was active, but is now inactive or suspended.
- 14 - A format write of cylinder 0 track 0 has been detected on the primary device. This I/O cannot be mirrored as it will invalidate the mirror VOL1 label.
- 15 - A VOL1 label write request was being processed for VOL1 not conforming to the standard VOL1 format.
- 16 - Suspend request via polling. Server detected suspend in VOL1 label during poll period.
- 17 - New extent request failed for logical processing.
- 18 - Data set rename processing failed for logical processing. Detected in IGGPRE00 processing.
- 19 - The target device of a logical migration has been boxed. Detected in ENF (EFMMENFV) processing.
- 20 - The target device is not accessible (for example, boxed or permanent error). Detected in EFMMHSIO processing.
- 21 - Mirror I/O failed. Detected in EFMMIORQ.
- 22 - Related mirror I/O failed; detected in EFMMIORQ (for example, RCVOL1).
- 23 - During extent verify processing (read/check extent sequence), a mirror state change has been detected. Mirroring was active, but is now inactive or suspended.
- 24 - During extent verify processing (read/check extent sequence), a mirror state change has been detected such that a diverted extent is no longer diverted. This is an illegal state change.
- 25 - A channel program has been encountered that is not wholly satisfied by a single extent (DWEXT).
- 26 - A channel program has been encountered that is accessing a DWEXT with DWEXT\_ERR\_PVTIO set. This can occur if the source and target extents no longer match correctly and any access to the extents could cause a data integrity issue.
- 27 - A channel program has been encountered that is accessing a DWEXT marked as unfinished (DWEXT\_ST\_NEW) but not deferred (DWEXT\_ST\_DEFER). No extent translation can occur for these extents.
- 28 - A snap error has occurred.
- 29 - A snap error has occurred; new extent cannot be serviced.
- 30 - The extent file cannot be accessed during logical mirror/migration processing.
- 31 - Mirror I/O failed. Detected in x (available).
- 32 - During logical processing a target extent has been scratched. For example, the target file has been deleted during mirroring. Detected in DADSM processing.
- 33 - During logical processing a source extent has been scratched. For example, the source file has been deleted during diversion. Detected in DADSM processing.
- 34 - Synchronization has been canceled.
- 35 - Synchronization processing has failed.

- 36 - The new extent cannot be serviced as the server is not active.
- 37 - The new extent is added as suspended as the current extents on this device are marked suspended for this data set (that is, it is a sympathetic suspend).
- 38 - New volume extend requested in a mixed SMS migration. The source and target are not both SMS or non-SMS and the source is extending to a new volume.
- 41 - Mirror I/O failed. Detected in x (available).
- 50 - Channel program is self modifying and cannot be duplicated.
- 51 - Channel program contains special commands which cannot be processed.
- 52 - A RS code was returned which cannot be processed.
- 53 - A RS code was returned from the storage manager (SCNSTMGR) which cannot be processed.
- 54 - Channel scan logic failed for a VOL1 access channel program. This should not occur as the channel program was previously scanned successfully.
- 55 - An internal parameter error occurred.
- 56 - An internal storage error occurred. Check SYSLOG for message EFMM310I for additional information.
- 57 - An internal logic error occurred.
- 100 - DDTSIO interface disabled due to ABEND threshold reached.
- 101 - Post status interface disabled due to ABEND threshold reached.
- 102 - IOSDIE interface disabled due to ABEND threshold reached.
- 103 - EFMMHMIH interface disabled due to ABEND threshold reached.
- 104 - EFMMHPRV interface disabled due to ABEND threshold reached.
- 105 - DDTEOS interface disabled due to ABEND threshold reached.
- 106 - EFMMIORQ service ABENDED.
- 107 - EFMMHTIO interface disabled due to ABEND threshold reached.
- 108 - EFMMHPRS interface disabled due to ABEND threshold reached.
- 151 - An invalid DWGDEV was located via DWINDX.
- 152 - A primary>mirror mismatch was detected.
- 153 - A device entry to UCB mismatch was detected.
- 154 - An invalid active mirror device chain was detected.
- 155 - An extent mismatch was detected in logical processing. The start extent in the DWEXT did not match the extent map.
- 156 - An extent mismatch was detected in logical processing such that the source/target devices do not match the DWGDEV where the extent was located.
- 241 - Suspend due to ConGroup suspend.
- 242 - Suspend due to SRDF Host Component suspend.
- 255 - Suspend reason unknown

**State Codes - Description**

- 0 - Valid reason not set.
- 1 - Target I/O failed; detected in EFMMHPST.
- 2 - Target I/O could not be processed as the channel program scan of the source channel program failed.

- 3 - No storage could be obtained from the EFMMIOSM interface for the requested target device channel program. Expansion could not be performed as the server was unavailable.
- 4 - Suspended by user request (for example, by an operator command).
- 5 - At completion of the target I/O, the source I/O status could not be determined as it is no longer queued.
- 6 - Suspend request via ECA.
- 7 - Could not determine the state of an inactive mirror. No DWGIOQ elements available. Server has either not initialized or has cleaned up.
- 8 - A write was requested to a primary source device where the target device was not defined (for example, a mirror device or target logical device is missing).
- 9 - User withdraw requested.
- 10 - Suspended channel program detected in IOS backend; these channel programs are currently unsupported.
- 11 - Mirror I/O failed. Detected in EFMMHDIE.
- 12 - Could not initiate a mirror I/O for a primary write. No DWGIOQ elements available. Server has either not initialized or has cleaned up.
- 13 - During volume verify processing (read/check VOL1 sequence), a mirror state change has been detected. The mirror was active, but is now inactive or suspended.
- 14 - A format write of cylinder 0 track 0 has been detected on the primary device. This I/O cannot be mirrored as it will invalidate the mirror VOL1 label.
- 15 - A VOL1 label write request was being processed for VOL1 not conforming to the standard VOL1 format.
- 16 - Suspend request via polling. Server detected suspend in VOL1 label during poll period.
- 17 - New extent request failed for logical processing.
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- 19 - The target device of a logical migration has been boxed. Detected in ENF (EFMMENFV) processing.
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- 22 - Related mirror I/O failed; detected in EFMMIORQ (for example, RCVOL1).
- 23 - During extent verify processing (read/check extent sequence), a mirror state change has been detected. Mirroring was active, but is now inactive or suspended.
- 24 - During extent verify processing (read/check extent sequence), a mirror state change has been detected such that a diverted extent is no longer diverted. This is an illegal state change.
- 25 - A channel program has been encountered that is not wholly satisfied by a single extent (DWEXT).
- 26 - A channel program has been encountered that is accessing a DWEXT with DWEXT\_ERR\_PVTIO set. This can occur if the source and target extents no longer match correctly and any access to the extents could cause a data integrity issue.

- 27 - A channel program has been encountered that is accessing a DWEXT marked as unfinished (DWEXT\_ST\_NEW) but not deferred (DWEXT\_ST\_DEFER). No extent translation can occur for these extents.
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- 33 - During logical processing a source extent has been scratched. For example, the source file has been deleted during diversion. Detected in DADSM processing.
- 34 - Synchronization has been canceled.
- 35 - Synchronization processing has failed.
- 36 - The new extent cannot be serviced as the server is not active.
- 37 - The new extent is added as suspended as the current extents on this device are marked suspended for this data set (that is, it is a sympathetic suspend).
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- 54 - Channel scan logic failed for a VOL1 access channel program. This should not occur as the channel program was previously scanned successfully.
- 55 - An internal parameter error occurred.
- 56 - An internal storage error occurred. Check SYSLOG for message EFMM310I for additional information.
- 57 - An internal logic error occurred.
- 100 - DDTSIO interface disabled due to ABEND threshold reached.
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- 102 - IOSDIE interface disabled due to ABEND threshold reached.
- 103 - EFMMHMIH interface disabled due to ABEND threshold reached.
- 104 - EFMMHPRV interface disabled due to ABEND threshold reached.
- 105 - DDTEOS interface disabled due to ABEND threshold reached.
- 106 - EFMMIORQ service ABENDed.
- 107 - EFMMHTIO interface disabled due to ABEND threshold reached.
- 108 - EFMMHPRS interface disabled due to ABEND threshold reached.
- 151 - An invalid DWGDEV was located via DWINDX.
- 152 - A primary>mirror mismatch was detected.
- 153 - A device entry to UCB mismatch was detected.

154 - An invalid active mirror device chain was detected.

155 - An extent mismatch was detected in logical processing. The start extent in the DWEXT did not match the extent map.

156 - An extent mismatch was detected in logical processing such that the source/target devices do not match the DWGDEV where the extent was located.

241 - Suspend due to ConGroup suspend.

242 - Suspend due to SRDF Host Component suspend.

255 - Suspend reason unknown.

**Action**

Respond to appropriate cause or contact EMC Customer Support. Ensure you have all information available prior to your call.

## EFMP000I

**Format 1:**

Command received

**Format 2:**

Command received via PC call

**Cause**

Indicates command reception.

**Detecting CSECT:** EFMMCOMM

**Action**

None. This is an informational message.

## EFMP001I

*input data*

**Cause**

Echoes the input data stream.

**Detecting CSECT:** EMCPARSE,EFMMCOMM, EFMMPPARS, EFMMSSM

**Action**

None. This is an informational message.

## EFMP002E

INTERNAL ERROR, PARSER REQUIRES 6 PARAMETERS

**Cause**

The parser has been invoked with the wrong number of parameters.

**Detecting CSECT:** EMCPARSE

**Action**

Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

## EFMP010E

*error location*

**Cause**

The previous input data had an error. This message identifies where in the input data the error occurred.

**Detecting CSECT:**EMCPARSE

**Action**

Correct the error indicated.

## EFMP011E

LITERAL EXPECTED; FOUND: *value*

**Cause**

While parsing the input data stream, a syntax error was detected. A literal string was expected but not found.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and supply the literal value.

## EFMP012E

IDENTIFIER EXPECTED; FOUND: *value*

**Cause**

While parsing the input data stream, a syntax error was detected. An identifier was expected but not found.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and supply the identifier.

## EFMP013E

INVALID COMMAND WORDING; FOUND: *value*

**Cause**

While parsing the input data stream, a syntax error was detected. A keyword was expected but not found.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and specify a valid keyword for the command.

## EFMP014E

```
COMMAND NOT RECOGNIZED; FOUND: value
```

**Cause**

While parsing the input data stream, a syntax error was detected. The first word in the command must be a recognizable command.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and specify a valid command.

## EFMP015E

```
LEFT PAREN EXPECTED; FOUND: value
```

**Cause**

While parsing the input data stream, a syntax error was detected. A left parenthesis is expected to follow a keyword, surrounding the keyword value.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and enclose the keyword value in parenthesis.

## EFMP016E

```
RIGHT PAREN EXPECTED; FOUND: value
```

**Cause**

While parsing the input data stream, a syntax error was detected. A right parenthesis is expected to terminate a value being specified for a keyword.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream and enclose the keyword value in parenthesis.

## EFMP017E

NUMBER EXPECTED; FOUND: *value*

### Cause

While parsing the input data stream, a syntax error was detected. A numeric value is expected, but not found.

**Detecting CSECT:** EMCPARSE

### Action

Correct the input data stream and specify a valid numeric value for the keyword.

## EFMP018E

EQUAL EXPECTED; FOUND: *value*

### Cause

While parsing the input data stream, a syntax error was detected. An equal sign was expected, but not found.

**Detecting CSECT:** EMCPARSE

### Action

Correct the input data stream and specify a valid value for the keyword.

## EFMP019E

REQUIRED PARAMETER MISSING; FOUND: *value*

### Cause

While parsing the input data stream, a syntax error was detected. A required parameter was expected, but not found.

**Detecting CSECT:** EMCPARSE

### Action

Correct the input data stream and specify the required parameter for the keyword.

## EFMP020E

EXTRANEIOUS DATA IN COMMAND; FOUND: *value*

### Cause

While parsing the input data stream, a syntax error was detected and extraneous data was found.

**Detecting CSECT:** EMCPARSE

### Action

Correct the input data stream.



## EFMP021E

```
COMMA EXPECTED; FOUND: value
```

**Cause**

While parsing the input data stream, a syntax error was detected. A comma was expected, but not found.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input data stream.

## EFMP031E

```
ERROR OCCURRED READING FROM INPUT FILE
```

**Cause**

An I/O error occurred while reading the input file.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the input file and resubmit.

## EFMP032E

```
ENDING QUOTE NOT FOUND ON INPUT LINE
```

**Cause**

A quoted literal string was encountered, but the ending quote was not found.

**Detecting CSECT:** EMCPARSE

**Action**

Make sure that the entire quoted literal string is on the same input line.

## EFMP033E

```
SKIPPING TO END OF COMMAND
```

**Cause**

A syntax error was detected and the rest of the input command is flushed.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the syntax error.

## EFMP034E

FIELD IS TOO LARGE, IT SHOULD NOT EXCEED *count* CHARACTERS

### Cause

A literal or identifier is larger than allowed. For instance, if a entname was specified, it may not exceed 8 characters. If a dataset name was specified, it may not exceed 44 characters.

**Detecting CSECT:** EMCPARSE

### Action

Correct the literal or identifier value.

## EFMP035E

FIELD VALUE HAS ALREADY BEEN SPECIFIED: *field*

### Cause

The value for a field has already been specified for this command.

**Detecting CSECT:** EMCPARSE

### Action

Remove the duplicate value.

## EFMP036E

INTERNAL ERROR: PERFORM DEPTH OVERFLOW

### Cause

This is an internal error, indicating that the parser is not able to handle the input command.

**Detecting CSECT:** EMCPARSE

### Action

Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

## EFMP037E

INTERNAL ERROR: PERFORM DEPTH UNDERFLOW

### Cause

This is an internal error, indicating that the parser is not able to handle the input command.

**Detecting CSECT:** EMCPARSE

**Action**

Review the JOB log and SYSLOG for errors. If you cannot determine and correct the problem, contact the EMC Customer Support Center for technical assistance. Make sure you have the SYSLOG, the JOB log, and all relevant job documentation available.

**EFMP038E**

NUMERIC VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN *value*

**Cause**

A numeric value has been parsed, and it is not within a valid range for the associated keyword.

**Detecting CSECT:** EMCPARSE

**Action**

Correct the numeric value.

**EFMP039E**

NUMERIC VALUE IS TOO LARGE, IT SHOULD NOT EXCEED *value*

**Cause**

A numeric value has been parsed, and it is not within a valid range for the associated keyword.

**Detecting CSECT:**EMCPARSE

**Action**

Correct the numeric value.

**EFMP040E**

FIELD OCCURRENCE EXCEEDS MAXIMUM OF *number* OCCURRENCES

**Cause**

Too many individual values have been specified for a keyword. For instance, you can only specify 60 volumes for the VOLUME parameter.

**Detecting CSECT:**EMCPARSE

**Action**

Correct the number of individual values to be within the proper limits.

**EFMP041E**

HEX VALUE IS TOO SMALL, IT SHOULD NOT BE LESS THAN *value*

**Cause**

A hex value was found and the valid was too small.

**Detecting CSECT:EMCPARSE**

**Action**

Correct the hex value to within the appropriate limits.

## EFMP042E

HEX VALUE IS TOO LARGE, IT SHOULD NOT EXCEED value

**Cause**

A hex value was found and the valid was too large.

**Detecting CSECT:EMCPARSE**

**Action**

Correct the hex value to within the appropriate limits.

## SCF\**nnnn*C

SCF\**nnnn*C

**Cause**

Invalid function code (*nnnn*).

EFMMUKEY completed in error.

The requested function was not "Read," "Update" or "Read with reserve." Probable programming error.

**Action**

Review the JOB log and SYSLOG for errors. Search the EMC Knowledgebase on the EMC Online Support website for applicable solutions relating to this message ID. If further assistance is needed, contact the EMC Customer Support Center for technical assistance. Make sure you have all relevant job documentation available.