

DELL EMC SOLUTION: DESIGNED FOR SAP LANDSCAPE MANAGER (LAMA)

Simplify and accelerate SAP system copy, clone and refresh

ESSENTIALS

Increased Productivity

- Automate and orchestrate system clone, copy and refresh operations
- Free admins to focus on higher-value work versus post copy system specific tasks
- Provide more copies on-demand using Dell EMC snapshots

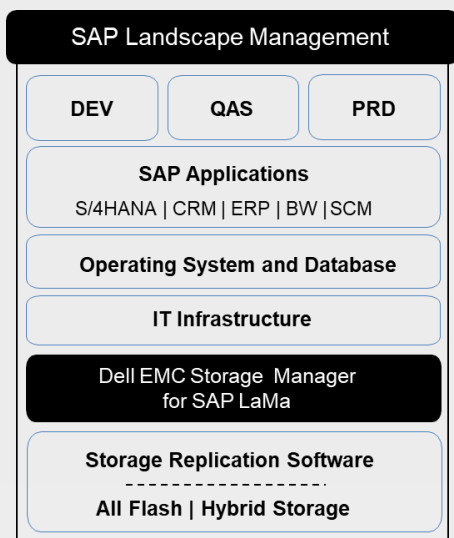
High Performance

- Copy data faster with no CPU overhead on the production SAP database server
- Deliver full copies with the performance of SAP production instances

Lower Costs

- Reduce cost of storage for SAP copies via highly efficient data-reduction intelligence
- Instantly provision SAP copies with near-zero net-new storage

Logical Architecture



Today's Situation

In the digital era, enabling business agility for new initiatives while controlling costs is priority number one. Today, though, the CIO's biggest challenge is that 80% of the IT budget is trapped in operations and maintenance, with only 20% left for innovation. It is not surprising then, that simplifying management of complex SAP landscapes is a top priority.

Cut time, costs and complexity for SAP system provisioning

One area that's ripe for simplification is SAP system clone, copy and refresh operations. SAP Basis Admins spend a great deal of time creating and managing copies of SAP production systems to support development, test, QAS and training environments.

The process can be time consuming with system copy / refresh taking up to 10 business days. Challenges include:

- Coordination among storage, server and virtualization teams
- Manual, time-consuming, complex post-processing steps
- Risk of manual errors and quality of copy/refresh
- Large data footprints leading to increased storage costs

These challenges are why, despite the need for SAP production copies, it's common for organizations to make copies only once or twice a year. Unfortunately, this slows innovation and increases the risk of data inconsistencies and corruption.

Dell EMC Solution for Managing SAP Landscapes

The Dell EMC solution brings the power of SAP Landscape Management (LaMa) software together with Dell EMC array-based local and remote replication software, providing a powerful platform to simplify management of SAP systems:

- SAP LaMa provides the central management dashboard to orchestrate and manage the end-to-end process including post copy automation (PCA)
- Dell EMC Storage Integrator (ESI) adapter enables SAP LaMa to leverage powerful array-based replication to deliver high performance full source copies with economical space saving snapshots.

Dell EMC Solution: Designed for SAP Landscape Manager (LaMa)

DELL EMC VALIDATED USE CASES

- System cloning
- System copy
- System refresh
- Start, stop, relocate systems
- Landscape visualization
- End-to-end visibility and monitoring

Solution Benefits:

SAP environments can have dozens of non-production systems, like development, training and sandbox. Automating management of SAP system copies by using trusted storage-based cloning reduces the Total Cost of Ownership (TCO) of an SAP landscape, resulting in:

- Increased productivity by allowing SAP Basis Admins to focus on higher value work versus time consuming, error-prone manual tasks
- Faster delivery of high-performance copies with minimal-to-no impact on production
- Lower costs by reducing the size of storage footprints for SAP copies via highly efficient data-reduction intelligence.

The Dell EMC Storage Manager adapter supports SAP systems in both physical and virtual environments based on Dell EMC storage arrays, using Virtual Machine Disks (VMDKs) or physical raw device mapping (pRDMs).

Dell EMC Storage Administration Console and Storage Manager for SAP LaMa

Dell EMC Storage Admin console and Storage Manager plug-in for SAP LaMa are delivered as an appliance. For VMware, a virtual appliance is available for download. A physical appliance is available with Dell PowerEdge.

Storage Platforms



PowerMax

Dell EMC's PowerMax provides unprecedented power and scale for consolidation, automation, and intelligent operations for mixed SAP and non-SAP workloads.

SAP LaMa integration with PowerMax accelerates end-to-end automation of repetitive, time-consuming tasks for SAP system copy/refresh locally using advanced snapshot capabilities with SnapVX or remotely with SRDF/S.



Unity
All Flash & Hybrid

Dell EMC Unity represents the ultimate in storage simplicity and value in the midrange all-flash and hybrid storage by harnessing the performance of all-flash and the economic benefits of disk.

SAP LaMa integration with Unity takes advantage of space saving thin clones for local copies.



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