

Dell EMC RecoverPoint for Virtual Machines

Replicate to on-premises and cloud with low RTOs and RPOs

Essentials

Summary

- Protects VMware Virtual Machines with VM level granularity
- vAdmins work from VMware vCenter via a HTML plug-in
- Cost-effective DR to cloud with RPOs as low as 15 minutes
- Supports all storage and application types

Value

- Streamline OR and DR data protection workflows with reliable and repeatable processes
- Respond faster to changing business and data protection needs
- Shorten application development cycles by providing a replica for isolated test and development use
- Enable datacenter migration with minimal interruption
- Leverage offsite replication for backup operations with no impact to the production site
- Empower vAdministrators to meet the required data protection Service Level Agreement (SLA)
- Integrate with VMware vRealize Operations Manager via Dell EMC Storage Analytics (ESA) with deep visibility into your virtualized infrastructure

Dell EMC RecoverPoint for Virtual Machines redefines data protection for VMware Virtual Machines (VMs) enabling local, remote, and concurrent local and remote replication with continuous data protection for on-premises recovery to any Point-in time (PiT). VMware hypervisor based, the solution is storage and application agnostic, with built-in orchestration and automation accessible via VMware vSphere HTML5 plug-in. When cloud becomes a more vital part of your disaster recovery (DR) strategy, RecoverPoint for Virtual Machines replicates to AWS and VMware Cloud on AWS.

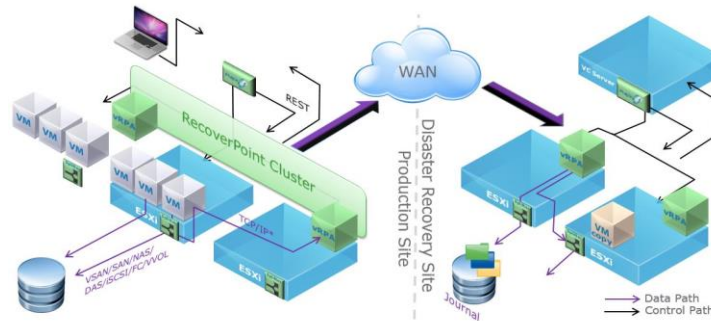
Advantages

- Enables Continuous Data Protection for on-premises any PiT recovery for near zero RPO and RTO
- Delivers cost-effective proprietary snapshot replication to AWS S3
- Performs parallel replication to on-premises and cloud
- Ensures recovery consistency for interdependent applications
- Provides synchronous (sync) or asynchronous (async) replication policies
- Protects data using proprietary Consistency Groups (CG) and Consistency Group sets, ensuring recovery consistency for one application or inter-dependent applications
- 1-click to protect, simple recovery flows, zoom in around an image
- Empowers users with a modernized RESTful API that improves ease of use, performance, and backward compatibility
- Tight integration with VMware vCenter, including HTML5 plugin and vSphere 7.0 support
- VMware vRealize Automation (vRA) integration enables data protection within vRA blueprints; manage their replication directly from vRA UI
- Offers multi-site support with up to 4:1 fan-in for centralized DR site protecting multiple branch offices and 1:4 fan-out replication for development and test operations.

Specifications integrated with VMware vCenter

With its tight VMware integration, RecoverPoint for Virtual Machines protects VMs with VM-level granularity. Its VMware vSphere HTML plug-in empowers vAdministrators to protect single or multiple VMs locally or remotely to the target site; perform automated discovery, provisioning and orchestration for DR test; failover and failback to any PiT; and advanced perform orchestration (e.g., VM power-up sequencing). Leveraging CGs and group sets, vAdministrators can recover to a selected PiT with consistency across interdependent applications that span VMware ESX clusters. For example, businesses can take advantage of this powerful feature to properly restore the operation of an end-to-end business transaction process that includes a sales order system, payment transactions, inventory management and supply chain management, all deployed in VMS.

To recover to any PiT, RecoverPoint for Virtual Machines uses a journal to hold the PiT information of all changes made to the protected data. Providing the shortest recovery time to the latest PiT delivers “DVR like” roll back in time capability and a short RPO to any selected PiT enabling recovery to just seconds before data corruption occurred, reversing the error.

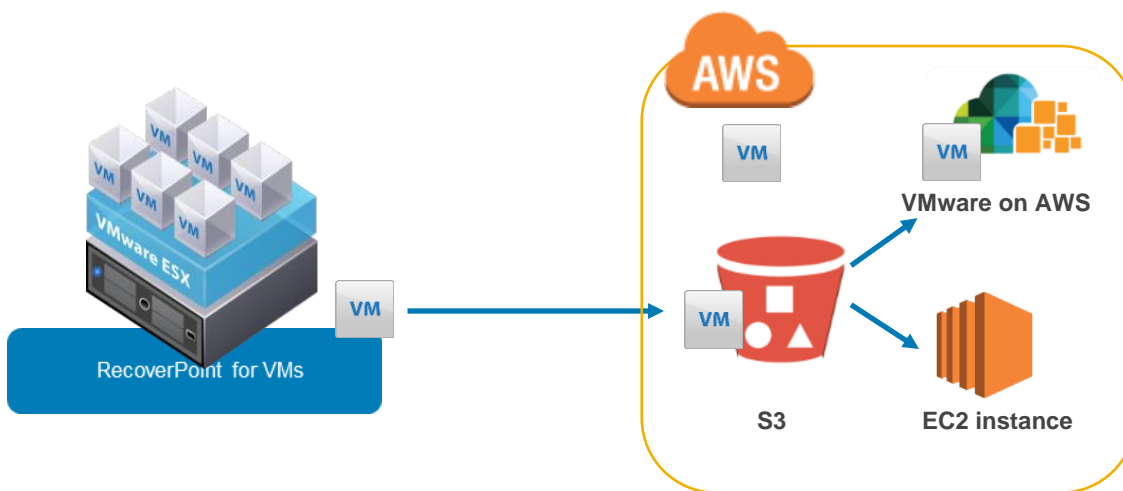


Best technology for cost-effective cloud disaster recovery

With the ability to protect VMs directly to AWS S3 object storage using RecoverPoint for Virtual Machines’ proprietary snapshot-based replication, with RPOs measured in minutes and flexible restore to VMC or EC2 instances. In the cloud, the solution manages cloud copies and runs recovery flows to native AWS EC2 instances or to VMs running within VMware Cloud on AWS SDDC. Easy to deploy and manage, RecoverPoint for Virtual Machines caps cost by:

- Storing copies on AWS S3, with on-demand restore services
- Running VMware Cloud SDDC on-demand when you need recovery
- Using proprietary snap-based replication that first takes a full copy, then capturing changes only as well as consolidating in-cloud according to your retention policies

RecoverPoint for Virtual Machines’ cloud capabilities supports your using the cloud as a DR site, as protection tiering, or as another layer of protection.



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