HCI2888BU

Site Recovery Manager 8.2: What's New and Demo

Cato Grace, VMware
Velina Krasteva, Senior PM for SRM and vSphere replication, VMware

SRM Product Overview
What's New in 8.2
Tech Preview

When you hear "disaster recovery" what do you think of? Natural disasters?

DR is not just about natural disasters. Also power, networking, people.

SRM supports hypervisor-based and array-based replication
SRM about adding value to replication.

Workflows?
Non-disruptive testing
- automated testing isolated network
- ensures predictability of RTO
Automated Failback
- re-protect using original recovery plan
- streamlines bi-directional migrations
Automated Failover
- Runbook automation
- single-click initiation
- emphasises fastest possible recovery after outage
Planned Migration
- ensures zero data loss and app consistency
- enables disaster avoidance and DC maintenance or migration

*Demo

VMware Site Recovery (DRaaS) for VMware Cloud on AWS
DRaaS
- Accelerate time to protection
- Cloud economics with on-demand pricing
- Integrated into VMware Cloud console
- Post-failover cluster scaling with Elastic DRS
- Inter-region protection

What's new with 8.2?
Simplified deployment and operations with SRM as an appliance
- parity with Windows version
- Simple OVF deployment
- SRAs with the appliance setup as Docker containers
- Greatly simplify SRM deployment, maintenance and upgrades.

Built on PhotonOS

Upgrading to the appliance
Upgrade to 8.2 on Windows first, then migrate to the appliance

https://docs.vmware.com/en/Site-Recovery-Manager/8.2/
com.vmware.srm.install_config.doc/GUID-
F39A84D3-2E3D-4018-97DD-5D7F7E041B43.html
https://blogs.vmware.com/virtualblocks/2019/05/14/srm-8-2-appliance-upgrading/

Improved ease of use with config import / export UI
- now entirely UI based
- Export / backup and import / restore capabilities for entire SRM configuration
- includes entire SRM configuration (VMs, PGs, RPs, IP customisation, array
managers, etc)
- Enables simple DB migration

API and vRO workflow enhancements
- configure IP customisation
- add / remove datastores from array-based replication PGs
- remove post-power on tasks
- check status of VR replication
- list replicated VMs
- Get VR configuration
- List replicated RDMs and Array Managers

New Workflows
New SRM
- Set IP settings
- update group datastore
- delete callouts
New VR
- check replication stats

Enhancements to SRM pack for vROps
- Overcome DR monitoring challenges with global visibility into SRM environment
- mitigate risk associated with SRM component downtime
- New views displaying
-- recovery status
-- count of VMs in recovery plans
-- lots more
- New arms for VMs that are in Protection Groups and not part of recovery plans

vSphere Replication Pack for vROps
Ability to monitor
- RPO violations
- Per VM metrics
- Incoming replications
- Outgoing replications
- Replication status

- Transferred bytes
- Alerts
- Replication Settings

UI Enhancements
- adjust colour schemes for optimal viewing
- capacity information available in the Protection Groups Datastores tab
- ability to provide in-product feedback - the smiley face icon

Support for NSX-T
- integration with NSX-T lets you use the network virtualisation to simplify the creation snd execution of recovery plans and accelerate recovery

Encrypted VMs Support
- full support for replicating, protecting, and recovering encrypted VMs

Encryption of replication traffic available per VM

Improved Logging Options with Syslog Support
- increased awareness of potential issues
- easier to troubleshoot issues
- more opportunity for analysis

*Tech Preview
SRM Support for Viols with Array-based Replication
- support protection and orchestrated recovery of VMs that are running on Virtual Volume datastore and are replicated by policy-based native array replication.
- Automatic protection
- Disk resting feature for vSphere Replication