Disaster Recovery with VMware Cloud Foundation

VMware Live Site Recovery

At a Glance

VMware Live Recovery includes capabilities to automate and orchestrate failover and failback, ensuring minimal downtime during disasters.

Built-in nondisruptive testing reduces risk and ensures recovery time objectives (RTOs) are met.

This functionality is provided through the VMware Live Site Recovery solution and integrates with a broad ecosystem of underlying replication technologies, providing maximum flexibility.

VMware vSphere® Replication™ provides VM-based replication, supporting a wide variety of underlying storage solutions with recovery point objectives (RPOs) ranging from 1 minute to 24 hours.

Disasters and cyberattacks happen. To protect your business-critical applications and data, you need to prepare for and recover from these events. VMware Live Site Recovery provides a flexible and scalable solution to manage disasters, enabling rapid recovery and business continuity.

Simplify Disaster Recovery Management

VMware Live Site Recovery automation software integrates with underlying replication technology to provide policy-based protection and recovery. This minimizes downtime during disasters via automated orchestration of recovery plans and enables non-disruptive testing. It is fully integrated into VMware Cloud Foundation and works with any supported storage solution.

Designed for virtual machines (VMs), it is scalable to manage all applications in a VMware Cloud Foundation environment. It integrates natively with VMware vSphere Replication and VMware vSphere Virtual Volumes integrated storage arrays, supporting various array-based replication solutions from major VMware storage partners.

By allowing users to test and automate the migration of applications between sites at scale with minimal or no downtime, VMware Live Site Recovery addresses various use cases, including disaster recovery, disaster avoidance, planned data center migrations, site-level load balancing, and application maintenance testing.

VMware Live Site Recovery ensures fast and highly predictable recovery times, simplifies management through automation, and minimizes total cost of ownership, making it the industry-leading solution for application availability and mobility across sites in private cloud environments and supported hyperscaler clouds.

Integrated Replication

vSphere Replication provides hypervisor-based VM replication, protecting VMs from partial or complete site failures. It replicates VMs, regardless of underlying storage, from a primary site to a secondary site, between two clusters in a single site, and from multiple source sites to a single target site. Configured on

vmware®

by **Broadcom**

Key Benefits

Perform frequent, nondisruptive testing, even during business hours, to ensure predictable recovery objectives.

Reduce recovery time to minutes with reliable, automated orchestration workflows.

Return to regular operations easily using the original recovery plan through automated failback.

Protect thousands of VMs with centralized recovery plans, eliminating manual runbooks.

a per-VM basis, vSphere Replication allows fine control over which VMs are replicated. After initial replication, only VM changes are replicated, minimizing network bandwidth consumption. vSphere Replication supports RPOs as low as 1 minute and offers traffic compression, encryption, and the ability to roll back to multiple points in time.

Fast, Reliable, and Easy to Use

VMware Live Site Recovery offers a comprehensive solution for fast and reliable disaster recovery, simplifying the process of protecting and recovering virtual machines (VMs) in the event of a disaster. This powerful tool automates every aspect of executing a recovery plan, significantly accelerating recovery times and eliminating the risks associated with manual processes. With automated orchestration workflows, organizations can perform DR failovers or planned migrations and failback recovered VMs to the original site with just a single click.

One of the key features of VMware Live Site Recovery is its ability to conduct nondisruptive recovery testing. This allows organizations to perform automated failover testing as frequently as needed in an isolated network environment, ensuring that recovery processes are working as expected without impacting production applications. This capability not only improves overall disaster readiness but also helps ensure regulatory compliance through detailed reporting. Additionally, when used with a certified stretched solution, VMware Live Site Recovery enables live migration of applications at scale between two sites, further enhancing flexibility and resilience.

VMware Live Site Recovery also excels in simplifying DR management. From initial setup to ongoing operations, it delivers simple and policy-based management thanks to its deep integration with VMware Cloud Foundation technology and extensive automation capabilities. The solution allows for centralized management of recovery plans for thousands of VMs, providing a streamlined approach to large-scale disaster recovery. Furthermore, it offers customization options for application recovery, allowing users to define VM startup sequences, power states, and IP customizations on a per-VM or subnet basis. Users can also run custom scripts on recovered VMs or from the VMware Live Site Recovery appliance, providing the flexibility needed to meet specific recovery requirements across diverse IT environments.

Summary

Organizations face constant disaster threats. VMware Live Site Recovery provides tools and integrations with VMware Cloud Foundation, enabling customers to prepare for and respond quickly to any disaster, ensuring rapid application recovery.