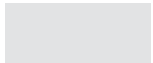




VMware Site Recovery for VMware Cloud on AWS

Addressing the **Top 5 Challenges** of deploying a comprehensive disaster recovery solution



Data and applications are critical for modern organizations to achieve their goals.

Because these are critical assets, **organizations commit significant resources to make data and applications highly available**, including preparing for a full site failure by creating a disaster recovery (DR) plan.

Setting up a comprehensive traditional DR solution is difficult and expensive. Solutions often require significant and time-consuming manual effort. Furthermore, as applications evolve and data grows, organizations run into challenges scaling their DR solutions and ensuring their reliability.

The solution: VMware Site Recovery for VMware Cloud on AWS

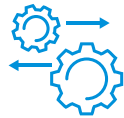
VMware Site Recovery™ for VMware Cloud™ on AWS simplifies traditional disaster recovery and provides reliable and cost-effective service. Built on top of enterprise-grade DR tools (VMware Site Recovery Manager™ and VMware vSphere® Replication™) and global mega-scale cloud infrastructure, the service provides an end-to-end disaster recovery solution that is quick to deploy and leverages existing know-how.

Explore how VMware Site Recovery for VMware Cloud on AWS helps to address common disaster recovery challenges



CHALLENGE 1

High costs and inefficient use of resources



CHALLENGE 2

Significant complexity and manual effort



CHALLENGE 3

Inefficient and disruptive testing



CHALLENGE 4

Reliance on scarce personnel



CHALLENGE 5

Scaling to growing amounts of data

CHALLENGE 1: High costs and inefficient use of resources



Deploying a traditional disaster recovery (DR) target site requires significant investments, since it often means building an entirely new data center. Organizations need to buy or lease hardware, purchase software licenses, invest in real-estate and more.

However, a DR target is used only in emergencies, when the main data center is down, so organizations end up spending significant amounts of money on something that goes unused most of the time.

High upfront investments in assets that are mostly idle tend to deter organizations from deploying a DR solution or force them to compromise on the level of DR protection applications receive.

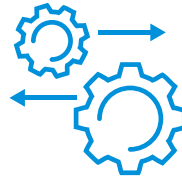
THE SOLUTION: VMware Site Recovery for VMware Cloud on AWS

With VMware Site Recovery, customers can choose VMware Cloud on AWS as their DR target. All the required VMware software is included in this service, and only a minimal pilot-light environment is needed during normal operations. When a failover is initiated, the DR target environment expands automatically to accommodate all the protected workloads.

VMware Site Recovery is a cost-effective solution that helps overcome the challenges of high inefficient costs associated with traditional DR.

CHALLENGE 2:

Significant complexity and manual effort



Many organizations rely only on data replication or application-based protection to prepare workloads against disasters. But minimizing data loss is just part of a DR solution.

A comprehensive DR plan includes powering up Virtual Machines (VMs) sequentially while taking into consideration dependencies between the different applications, running scripts, assigning IP addresses to VMs, and connecting VMs to storage pools. These tasks are complex and require significant manual effort.

Organizations that implement only data replication or application-based protection, therefore, need to perform many DR tasks manually, exposing themselves to errors and weeks, or even months, of down time.

THE SOLUTION:

VMware Site Recovery for VMware Cloud on AWS

VMware Site Recovery enables customers to create recovery plans that fully automate and orchestrate failovers, eliminating the need for IT teams to perform manual tasks during the recovery process.

At the heart of our DR solution is Site Recovery Manager (SRM). This proven DR tool, which is included in the Site Recovery service, helps organizations reduce risks and shorten recovery times when their main data center is down.

CHALLENGE 3: Inefficient and disruptive testing



Effective DR plans need to keep up with application changes and upgrades. In order to ensure that a DR plan is up-to-date, organizations need to perform frequent DR tests, with best practices suggesting that tests are performed at least once per quarter.

Without the right tools, these tests are either not possible or very disruptive to daily operations.

Many organizations are required by law to perform DR tests and to present the results in an audit. In addition to the time and effort of performing the tests, writing and compiling detailed reports is complicated and time-consuming.

THE SOLUTION: VMware Site Recovery for VMware Cloud on AWS

VMware Site Recovery has extensive built-in testing capabilities. Site Recovery enables you to perform frequent non-disruptive DR tests that automatically generate detailed reports, thereby reducing your exposure to disasters.

CHALLENGE 4: Reliance on scarce personnel



Finding the right talent is time-consuming and expensive. This problem is exacerbated when organizations need to recruit IT employees with in-demand skillsets.

Even after IT employees are hired, they are often tasked with multiple responsibilities and are stretched thin.

In many cases, only a few key employees are responsible for DR, exposing organizations to additional risks in case of personnel changes or turnover.

THE SOLUTION: VMware Site Recovery for VMware Cloud on AWS

The VMware Site Recovery DR target on VMware Cloud on AWS is fully maintained and supported by VMware, relieving your organization from the need to setup a secure environment, maintain hardware, and manage the lifecycle of your infrastructure stack.

VMware Cloud on AWS is operated and supported by highly trained experts, allowing your IT teams to focus on strategic initiatives, and reducing your exposure if key employees leave.

CHALLENGE 5:

Scaling to growing amounts of data



Even after deploying a DR solution, many organizations run into scaling challenges as the amount of their data, and the number of their applications, increase.

Scaling a DR target means more than simply buying more storage devices. Organizations need to spend a significant amount of time on planning, leasing additional real estate, negotiating with vendors, re-configuring the network, adjusting security policies, and more.

As a result, organizations are not as agile as they could be, hampering their ability to meet business goals.

THE SOLUTION:

VMware Site Recovery for VMware Cloud on AWS

VMware Site Recovery is built on the global elastic cloud environment of VMware Cloud on AWS, so scaling your DR target can be done in a matter of minutes with just a few clicks.

Further Resources

Traditional disaster recovery solutions are expensive, make inefficient use of resources, involve significant manual effort, and are difficult to scale. In addition, they expose organizations to additional risks due to the difficulty of performing DR testing and a reliance on scarce personnel.

VMware Site Recovery for VMware Cloud on AWS simplifies traditional disaster recovery and provides reliable, cost-effective service that allows organizations to protect more workloads and reduce risks.



Learn more on the VMware Site Recovery [website](#)



Watch the VMware Site Recovery [overview](#)



Try the VMware Site Recovery [Hands-On Lab](#) for a first-hand immersive experience



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 www.vmware.com Copyright © 2019 VMware, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at <http://www.vmware.com/go/patents>. VMware is a registered trademark or trademark of VMware, Inc. and its subsidiaries in the United States and other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies. Item No: VMware Cloud on AWS Site Recovery Challenges 7/19

