

# Disaster Recovery As a Service



Providing business continuity across every application and workload in your private cloud can present quite a challenge. There's the cost of infrastructure at a secondary site, the time required to establish and maintain up-to-date recovery plans, the need for remote monitoring capabilities, and the complexity of restoring interdependent services in the right order. That's why many workloads that could benefit from protection often go without it.

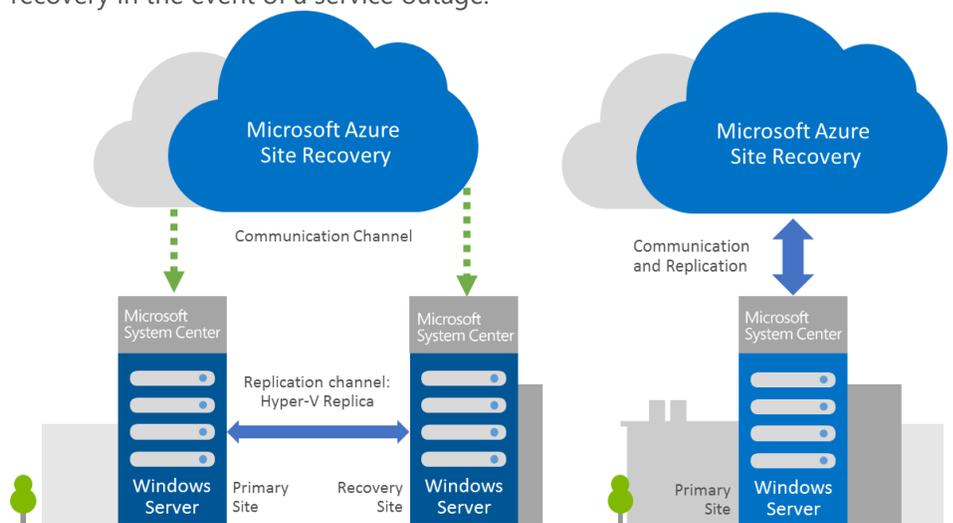
Azure Site Recovery helps simplify the business continuity of applications by coordinating the replication of virtual machines at a secondary location. And now that secondary location can be Azure.\*

**Microsoft Azure Site Recovery helps protect your important applications by coordinating the replication of Microsoft System Center clouds to a secondary location, monitoring availability, and orchestrating recovery as needed.**

## Disaster Recovery – at your own secondary site, or in Azure\*

Azure Site Recovery helps simplify the delivery of disaster recovery. For organizations with two or more sites looking to protect vital workloads running in their cloud, it provides automated replication and orchestrated recovery of applications and workloads between sites. Now you can also use it to replicate your virtual machines to Azure – and recover there when needed.\*

Azure Site Recovery enables the central configuration and administration of disaster recovery for clouds managed by System Center Virtual Machine Manager. Health monitoring and recovery orchestration provide for a quick recovery in the event of a service outage.



Site Recovery can be configured to replicate virtual machines to your own secondary location – or to Azure.\*

\*The capability to replicate virtual machines to Azure and recover them there is in preview.

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## How does it work?

Once you have created an Azure account, you can use the management portal to download the provider software and then select the System Center Virtual Machine Manager cloud or clouds you want monitored. The portal enables you to construct a simple recovery plan which can be customized with pauses for manual intervention or even the execution of custom Windows PowerShell scripts.

Certificates are used to help identify and authorize the Virtual Machine Manager server in each datacenter. They also enable encryption of all communications between server and service.

When replicating between two of your own sites, your data remains on your networks. When replicating to Azure, customers can also select encryption for data at-rest.

# Azure Site Recovery features

## Simple, Automated protection

Azure Site Recovery helps protect System Center Virtual Machine Manager clouds by automating the replication of the virtual machines that compose them with a policy-based solution. It coordinates and manages the ongoing replication of data by integrating with existing technologies such as Hyper-V Replica and SQL Server AlwaysOn.

## Continuous health monitoring

Site Recovery remotely monitors application availability at the primary datacenter on an ongoing basis. When replicating between two of your own sites, only the Virtual Machine Manager servers communicate directly with Azure.

## Orchestrated recovery

Site Recovery helps automate the orderly recovery of applications and workloads in the event of a site outage at the primary datacenter. Virtual machines can be brought up in an orchestrated fashion to help restore service quickly, even for complex multi-tier workloads.

Recovery plans can be tested whenever you like, without disrupting the services at your primary location. They can also be used to temporarily move applications to your second location.

# Why choose Azure Site Recovery?

## Simplified replication

Site Recovery utilizes Hyper-V Replica's asynchronous virtual machine replication capabilities in Windows Server 2012 to extend site-to-site protection to entire clouds.

## Cost-effective disaster recovery

By replicating virtual machines to Azure you can avoid the complexity and expense of maintaining a secondary datacenter for disaster recovery.

## Easy implementation of recovery plans

Site Recovery helps you easily build and customize recovery plans to orchestrate failover of the virtual machines that compose your cloud. Recovery plans can include ordered groups of virtual machines, custom scripts, and manual actions. Networks can also be customized by mapping virtual networks between the primary and recovery sites. The service can also use recovery plans to help handle planned downtime by temporarily failing services over to, and then back from, your secondary location.

# Resources

**Azure Recovery Services** [azure.microsoft.com/en-us/manage/services/recovery-services](https://azure.microsoft.com/en-us/manage/services/recovery-services)

## Sign up today

Create your Windows Azure account and enable Azure Site Recovery  
(Windows Server and System Center are also required)  
at [azure.microsoft.com](https://azure.microsoft.com)

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