

Designing Site Failover Strategy



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Course Overview



Defining Site Recovery Goals

Designing and Implementing Site Recovery Infrastructure

Identifying Site Recovery Resources

Designing Site Failover Strategy

Overview

Running a DR drill into Azure

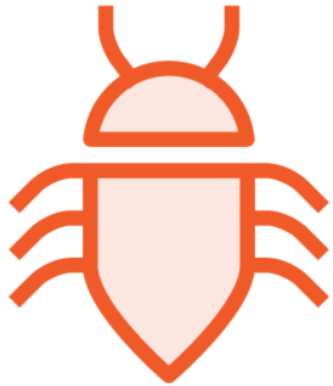
Creating a Recovery Plan

**Adding automation scripts to
Recovery Plans**

Running a failover into Azure

Failing back from Azure

Benefits for Testing Failovers



Find Bugs



Experience



Failover Duration



**Resource
Allocation and
Configuration**

Running a DR Drill into Azure



Run a test failover for a single protected VM or Recovery Plan

Test failover does not impact ongoing replication

Consider failing over to a test network that is isolated from your production Site Recovery network

Cleanup test failover

Demo

Running a test failover in Azure

Cleaning up test failover resources

Working with Recovery Plans

Helps define a systematic recovery process

Model an application and its dependencies

Sequence the start time for different groups of servers

Automate recovery tasks to reduce RTO

This is the unit of failover

Demo

**Creating a Recovery Plan for a
replicated VM in Azure**

Adding Automation Script to Recovery Plans

Tasks on a VM after failover

IP addressing, Security Groups, Load Balancers...

Tasks inside a VM after failover

Reconfigure software, update connection strings, etc

Demo

Adding script automation to Recovery Plans

Running a Failover to Azure

Planned Failover

Schedule maintenance window

Take application offline

Initiate planned failover

Failover

Initiate unplanned failover to the preferred recovery point

Failback Considerations for Failover



Azure VMs:

Reprotect after failover

VMware VMs or Physical Servers:

Deploy Process Server in Azure

Master Target Server on-premises

Physical Servers failback to VMware VMs

Hyper-V:

Run a planned failover from Azure to on-premises and sync data before failback

Demo

Failover between Regions in Azure

Failover Hyper-V on-premises into Azure

Failback from Azure to Hyper-V on-premises

Review

Running a DR drill into Azure

Creating a Recovery Plan

**Adding automation scripts to
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Thank You!
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