

VMware Disaster Recovery Deploy Service

AT A GLANCE

VMware Business Continuity and Disaster Recovery (BCDR) solutions safeguard entire systems with automation that backs up and recovers virtual machines between sites without the cost and complexity of traditional application-level solutions. The VMware Disaster Recovery Deploy Service provides a comprehensive deployment and validation of virtual machines using VMware Site Recovery Manager™.

KEY BENEFITS

- Delivers fast, reliable application recovery
- Cost-effectively eliminates data loss
- Improves overall IT infrastructure resilience
- Lowers total cost of ownership (TCO) of disaster recovery
- Centralizes recovery plans

Overview

The *VMware Disaster Recovery Deploy Service* provides a comprehensive deployment and validation of virtual machines using VMware Site Recovery Manager™. The implementation and configuration is conducted jointly with Customer team members to enhance the learning experience during the design and deployment of the service. This project includes the following module:

- **Disaster Recovery Deployment.** Deployment of a disaster recovery solution using VMware vSphere®, and VMware Site Recovery Manager™ according to a VMware standard architecture that is implemented and verified in the Customer environments.

The following high-level activities are included in this project:

- **Implement.** Deployment and verification of the solution.
- **Knowledge Transfer.** Knowledge transfer of the design, deployment, and operations procedures.

This project relates to the following VMware products:

- VMware Site Recovery Manager™

Service Capabilities

This service contributes to the full development of the following capability:

Protect

- Recover from data center outages

IT Outcomes Developed

The service being delivered by VMware Professional Services contributes to the delivery of the following IT outcomes:

- Accelerate time-to-protection
- Provide higher availability and differentiate tiers of service
- Avoid business-critical workload failures

Project Scope

The scope of the service includes the following:

Deploy a disaster recovery foundation

SPECIFICATION	PARAMETERS	DESCRIPTION
VMware Site Recovery Manager Foundation Deploy		<p>The solution use case covers the following:</p> <ul style="list-style-type: none"> The recovery of business applications if a site failure occurs. <p>Secondary objectives include the following:</p> <ul style="list-style-type: none"> Providing a disaster recovery solution overview. Leading knowledge transfer so that Customer can effectively participate in subsequent deployment activities.
VMware Site Recovery Manager servers	Up to two (2)	Installation and configuration of up to two (2) Site Recovery Manager servers and up to two (2) databases in data centers.
Data centers	Up to two (2)	Site Recovery Manager servers and databases installed and configured in up to (2) data centers.
Site Recovery Manager Storage Replication Adaptor or VMware vSphere Replication™ virtual appliance	Up to one (1)	Installation and configuration of vCenter Site Recovery Manager Storage Replication Adaptor or vSphere Replication virtual appliance pairing for each Site Recovery Manager instance.
Site Recovery Manager mappings	Up to one (1)	Configuration of Site Recovery Manager mappings.
Virtual machines (VMs) protected	Up to five (5)	Building protection groups and recovery plans for up to five (5) virtual machines.
VMs to perform disaster recovery testing	Up to five (5)	Perform non-disruptive testing for up to five (5) virtual machines.
Recovery plans	Up to one (1)	Configuration of specified number of recovery plans.
Storage Replication Adapter (SRA) Deploy		Deployment of a storage replication adapter for storage array-based replication paired for each Site Recovery Manager server host.
Site Recovery Manager Storage Replication Adapters	Up to two (2)	Vendor Storage Replication Adapters installed and configured on protected site and recovery site.

SPECIFICATION	PARAMETERS	DESCRIPTION
vSphere Replication (VR) Deploy		Deployment of VMware vSphere Replication for on-premises disaster recovery according to a VMware standard architecture that is implemented and verified in the Customer environment.
VMware vSphere Replication™ virtual appliance	Up to one (2)	Installation and configuration of vSphere Replication virtual appliance pairing for each Site Recovery Manager instance.

Out of Scope

The following are the out of scope items for this project.

General

- Installation and configuration of custom or third-party applications and operating systems on deployed virtual machines.
- Operating system administration including the operating system itself or any operating system features or components.
- Management of change to virtual machines, operating systems, custom or third-party applications, databases, and administration of general network changes within Customer control.
- Remediation work associated with any problems resulting from the content, completeness, accuracy, and consistency of any data, materials, or information supplied by Customer.
- Installation or configuration of VMware products not included in the scope of this document.
- Installation and configuration of third-party software or other technical services that are not applicable to VMware components.
- Installation and configuration of Customer-signed certificates.
- Configuration of VMware products used for the service other than those implemented for the mutually agreed to use cases.
- Customer solution training other than the defined knowledge transfer session.

Deploy a disaster recovery foundation

- Protection of physical machines.
- Design and Implementation of Storage Based Replication solution.

Estimated Schedule

VMware estimates that the duration of this project will not exceed two (2) weeks. VMware consulting services will operate according to a schedule agreed to by both parties. Typically, consulting services are performed during normal business hours and workdays (weekdays and non-holidays).

	DURATION (WEEKS)		
	0	1	2
Phase: Initiate	█		
Phase: Plan		█	
Phase: Execute –Implement		██████████	
Phase: Execute – Knowledge Transfer			█
Close			█

Project Activities

Phase 1: Initiate

The VMware Project Manager hosts one (1) project initiation call with key Customer and VMware stakeholders.

Topics to be discussed include:

- Project business drivers, scope, and objectives.
- Project deadlines, timelines, scheduling, and logistics.
- Identification of key Customer team members who VMware will work with to accomplish the tasks defined in this data sheet.
- Participating team members are confirmed and contact details are exchanged to schedule the project kickoff meeting.

Deliverables

- One (1) project initiation call

Phase 2: Plan

VMware leads one (1) project kickoff meeting with Customer project sponsors and stakeholders to review expectations about the purpose of the engagement, the delivery approach, and estimated timelines.

The objectives of the meeting are as follows:

- Introducing the VMware team, roles, and responsibilities.
- Describing the project goals, phases and key dates.
- Agreeing on communication and reporting process and creating a communications plan.
- Validating the project expectations and clarifying roles and responsibilities.
- Confirming prerequisites are met as detailed in the solution checklist for specified solutions.
- Presenting the solution overview for specified solutions including expected project results and deliverables.

After Customer and VMware agree on project expectations, the VMware Project Manager and the Customer Project Manager work together on the detailed project plan.

Deliverables

- Cybersecurity solution checklist
- Cybersecurity solution overview presentation
- Communications plan
- One (1) project kickoff meeting
- Project plan

Phase 3: Execute

The key activities for this phase are organized in the following sub-phases:

- Implement
- Knowledge transfer

Execute: Implement

VMware implements the solution according to the VMware solution specification.

VMware does the following:

- Implements the specified solutions as detailed in the specification workbooks.
- Verifies the implementation and documents results in the verification workbooks for the specified solutions.

Deliverables

- Cybersecurity solution specification workbook
- Cybersecurity solution verification workbook

Execute: Knowledge Transfer

VMware conducts knowledge transfer sessions covering the design, implementation, and operational considerations relating to the scope of this project.

VMware does the following:

- Conducts up to four (4) hours of knowledge transfer sessions for appropriate Customer representatives.
- Provides an adoption guide document(s) containing operational guidance for the specified solutions.

Note: For the avoidance of doubt, the Knowledge transfers herein do not comprise VMware product training or certification courses as offered by the VMware Education unit - (<http://mylearn.vmware.com/mgrreg/index.cfm>).

Deliverables

- Up to four (4) hours of knowledge transfer sessions
- Cybersecurity adoption guide document
- Cybersecurity knowledge transfer workshop presentation

Phase 4: Close

The VMware Project Manager conducts one (1) closure meeting with Customer covering project status, next steps, and how to engage further with VMware.

Deliverables

- Engagement summary presentation
- One (1) closure meeting

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877-4 -VMWARE (outside North America,
+1-650 -427-5000)

VISIT

<http://www.vmware.com/products>, or
search online for an authorized reseller.
For detailed product specifications
and system requirements, refer to the
documentation.

Appendix – Service Checklist

Customer is responsible for executing all items discussed in the Service Checklist prior to arrival of VMware consultants on site.

The participation of the following Customer stakeholders is required for the Service to be performed:

- Enterprise Architect.
- Infrastructure Architect.
- Storage team leads.
- Backup/Recovery team leads.
- VMware operations team leads.

The following prerequisites are required to enable VMware to perform VMware Disaster Recovery Deploy Service:

- Virtualized CPU capacity (GHz): At least two (2) 2.0 GHz or higher.
- Virtualized RAM capacity (GB): 2 GB minimum.
- Virtualized storage capacity (GB): 5 GB minimum.
- Minimum Bandwidth required: 1 Gigabit NIC or higher.
- ESXi Version: VMware ESX/ESXi 6.0U3 or later.
- vCenter Version: VMware vCenter Server 6.0U3 or later.
- Domain Name System Required: Yes.
- Site Recovery Manager Version 8.1 or later.

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