

VMware SRM As Built Report

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1 VMware Site Recovery Manager - SRMHQ-01V.

VMware Site Recovery Manager is a business continuity and disaster recovery solution that helps you plan, test, and run the recovery of virtual machines between a protected vCenter Server site and a recovery vCenter Server site. You can use Site Recovery Manager to implement different types of recovery from the protected site to the recovery site.

1.1 vCenter Information

VMware vCenter Server is advanced server management software that provides a centralized platform for controlling your VMware vSphere environments, allowing you to automate and deliver a virtual infrastructure across the hybrid cloud with confidence.

The following section provides a summary of the Connected vCenter on Sites SRM-HQ/SRM-EDGE.

1.1.1 SRM-HQ vCenter Information

The following section provides a summary of the Connected vCenter on Site SRM-HQ.

Server URL	https://vcenter-01v.pharmax.local/
Version	7.0.3.18778458
Host Name	vcenter-01v.pharmax.local:443
PSC Name	vcenter-01v.pharmax.local:443

Table 1 - vCenter Information - SRM-HQ

1.1.2 SRM-EDGE vCenter Information

The following section provides a summary of the Connected vCenter on Site SRM-EDGE.

Server URL	https://vcenter-03v.pharmax.local/
Version	7.0.3.18778458
Host Name	vcenter-03v.pharmax.local:443
PSC Name	vcenter-03v.pharmax.local:443

Table 2 - vCenter Information - SRM-EDGE

1.2 Licenses Information

The following section provides a summary of the License Feature on Site SRM-HQ.

Product Name	VMware vCenter Site Recovery Manager
Product Edition	Enterprise Edition
Product Version	8.1
Cost Unit	Per VM
Total Licenses	25
Used Licenses	5
Expiration Date	3/31/2022
Days to expiration	126

Table 3 - License Information - SRM-HQ

1.3 SRM Permissions

The following section provides a summary of the SRM Permissions on Site SRM-HQ.

Role	Principal	Propagate	Is Group
SRM Administrator	PHARMAX.LOCAL\jocolon	Yes	No
SRM Remote User	VSPHERE.LOCAL\SRM Remote Users	Yes	Yes
SRM Administrator	PHARMAX.LOCAL\AD - SRM Admin Group	Yes	Yes
SRM Recovery Administrator	PHARMAX.LOCAL\AD - SRM Recovery Group	Yes	Yes

Table 4 - SRM Permissions - SRM-HQ

1.4 Inventory Mapping Summary

When you install Site Recovery Manager you have to fo Inventory Mapping from Protected Site to Recovery Site. Inventory mappings provide default objects in the inventory of the recovery site for the recovered virtual machines to use when you run Test/Recovery. Inventory Mappings includes Network Mappings, Folder Mappings, Resource Mappings and Storage Policy Mappings. All of the Mappings are required for proper management and configuration of virtual machine at DR Site.

The following section provides a summary of the Inventory Mapping on Site SRM-HQ.

1.4.1 Folder Mappings

The following section provides a summary of the Folder Mapping on Site SRM-HQ.

Local Folder	Remote Folder
PHARMAX-HQ-SVR	PHARMAX-EDGE

Table 5 - Folder Mappings - SRM-HQ

1.4.2 Network Mappings

The following section provides a summary of the Network Mapping on Site SRM-HQ.

Local Network	Remote Network
DVS-VM-NETWORK	DVS-VM-NETWORK-EDGE

Table 6 - Network Mappings - SRM-HQ

1.4.3 Resources Mappings

The following section provides a summary of the Resources Mapping on Site SRM-HQ.

Local Resource	Remote Resource
Root Resource Pool	Root Resource Pool
PHARMAX-HQ-DB	PHARMAX-EDGE-DB

Local Resource	Remote Resource
PHARMAX-HQ-SVR	PHARMAX-EDGE-SRV

Table 7 - Resources Mappings - SRM-HQ

1.4.4 Placeholder Datastore Mappings

For each protected virtual machine Site Recovery Manager creates a placeholder virtual machine at the recovery site. Placeholder virtual machines are contained in a datastore and registered with the vCenter Server at the recovery site. This datastore is called the placeholder datastore. Since placeholder virtual machines do not have virtual disks they consume a minimal amount of storage

The following section provides a summary of the Placeholder Datastore Mapping on Site SRM-HQ.

Name	SRM_PLACEHOLDER_01
Datastore Type	VMFS
Capacity	14.75 GB
Free Space	13.34 GB
Reserved Space	0 GB
Location	RegionA01-COMP
Fault	-
Status	OK

Table 8 - Placeholder Datastore Mappings - SRM-HQ

1.5 Protected Site

In a typical Site Recovery Manager installation, the protected site provides business-critical datacenter services. The protected site can be any site where vCenter Server supports a critical business need.

The following section provides a summary of the Protected Site SRM-HQ.

Server Name	srmhq-01v.pharmax.local
Protected Site Name	SRM-HQ
Protected Site ID	1f0ace6c-8d17-448d-bf86-dc15cb3f069d
Solution User	SRM-1f0ace6c-8d17-448d-bf86-dc15cb3f069d
SRM Version	8.4.0
SRM Build	18048862
vCenter URL	https://vcenter-01v.pharmax.local:443/sdk
Lookup URL	https://vcenter-01v.pharmax.local:443/lookupservice/sdk
Protection Group Count	4
Connected	Yes

Table 9 - Protected Site Information - SRM-HQ

1.6 Recovery Site

In a typical Site Recovery Manager installation, the recovery site is an alternative infrastructure to which Site Recovery Manager can migrate services. The recovery site can be located thousands of miles away from the protected site. Conversely, the recovery site can be in the same room as a way of establishing redundancy. The recovery site is usually located in a facility that is unlikely to be affected by environmental, infrastructure, or other disturbances that affect the protected site.

The following section provides a summary of the Recovery Site SRM-EDGE.

Recovery Site Name	SRM-EDGE
Recovery Site ID	e03d2600-4acc-4ba8-bbad-0f93de8a2cd8
Solution User	SRM-remote-1f0ace6c-8d17-448d-bf86-dc15cb3f069d
vCenter Host	vcenter-03v.pharmax.local
vCenter URL	https://vcenter-03v.pharmax.local:443/sdk
Lookup URL	https://vcenter-03v.pharmax.local:443/lookupservice/sdk
Connected	Yes

Table 10 - Recovery Site Information - SRM-EDGE

1.7 Protection Groups Summary

In Site Recovery Manager, protection groups are a way of grouping VMs that will be recovered together. A protection group contains VMs whose data has been replicated by either array-based replication (ABR) or vSphere replication (VR). A protection group cannot contain VMs replicated by more than one replication solution and, a VM can only belong to a single protection group.

The following section provides a summary of the Protection Group configured under SRMHQ-01V.

Name	Type	Protection State	Recovery Plan
PHARMAX-DB-PG	VR	Ready	PHARMAX-DB-RG
PHARMAX-MON-PG	SAN	Ready	PHARMAX-MON-RG
PHARMAX-WEB-PG	VR	Ready	PHARMAX-WEB-RG
PHARMAX-APP-PG	VR	Ready	PHARMAX-APP-RG

Table 11 - Protection Group Information - PHARMAX-APP-PG

1.7.1 Protection Groups

The following section provides detailed Protection Group information on SRM-HQ.

1.7.1.1 VMRS Type Protection Groups

Name	PHARMAX-DB-PG
Description	-
Type	VR
Protection State	Ready
Associated VMs	Linux-DB-01V, Linux-DB-02V
Protected VMs	Linux-DB-01V, Linux-DB-02V

Name	PHARMAX-WEB-PG
Description	-
Type	VR
Protection State	Ready
Associated VMs	Linux-WEB-01V
Protected VMs	Linux-WEB-01V

Name	PHARMAX-APP-PG
Description	-
Type	VR
Protection State	Ready
Associated VMs	Linux-APP-01V
Protected VMs	Linux-APP-01V

1.7.1.2 SAN Type Protection Groups

Name	PHARMAX-MON-PG
Description	-
Type	SAN
Protection State	Ready
Protected Datastores	SRM_HQ_EDGE_01
Protected VMs	Linux-Mon-01v

Table 12 - SAN Protection Group - PHARMAX-APP-PG

1.7.1.3 Virtual Machine Protection Properties Summary

The following section provides detailed VM Recovery Placeholder information on SRM-HQ .

1.7.1.3.1 PHARMAX-DB-PG Protection Properties (Placeholder)

VM Name	Resource Pool	Folder Name	Is Repair Needed	Placeholder Creation Fault
Linux-DB-01V	PHARMAX-EDGE-DB	PHARMAX-EDGE	No	-
Linux-DB-02V	PHARMAX-EDGE-DB	PHARMAX-EDGE	No	-

Table 13 - VM Recovery Placeholder - PHARMAX-DB-PG

1.7.1.3.2 PHARMAX-MON-PG Protection Properties (Placeholder)

VM Name	Resource Pool	Folder Name	Is Repair Needed	Placeholder Creation Fault
Linux-Mon-01v	Root Resource Pool	PHARMAX-EDGE	No	-

Table 14 - VM Recovery Placeholder - PHARMAX-MON-PG

1.7.1.3.3 PHARMAX-WEB-PG Protection Properties (Placeholder)

VM Name	Resource Pool	Folder Name	Is Repair Needed	Placeholder Creation Fault
Linux-WEB-01V	PHARMAX-EDGE-SRV	PHARMAX-EDGE	No	-

Table 15 - VM Recovery Placeholder - PHARMAX-WEB-PG

1.7.1.3.4 PHARMAX-APP-PG Protection Properties (Placeholder)

VM Name	Resource Pool	Folder Name	Is Repair Needed	Placeholder Creation Fault
Linux-APP-01V	PHARMAX-EDGE-DB	PHARMAX-EDGE	No	-

Table 16 - VM Recovery Placeholder - PHARMAX-APP-PG

1.8 Recovery Plans Summary

Recovery Plans in Site Recovery Manager are like an automated run book, controlling all the steps in the recovery process. The recovery plan is the level at which actions like failover, planned migration, testing and re-protect are conducted. A recovery plan contains one or more protection groups and a protection group can be included in more than one recovery plan. This provides for the flexibility to test or recover an application by itself and also test or recover a group of applications or the entire site.

The following section provides a summary of the Recovery Plan configured under SRMHQ-01V.

Name	Description	State	Protection Groups
PHARMAX-DB-RG	-	Protecting	PHARMAX-DB-PG
PHARMAX-APP-RG	-	Protecting	PHARMAX-APP-PG
PHARMAX-WEB-RG	-	Protecting	PHARMAX-WEB-PG
PHARMAX-MON-RG	-	Protecting	PHARMAX-MON-PG

Table 17 - Recovery Plan Config - PHARMAX-MON-RG

1.8.1 Virtual Machine Recovery Settings Summary

The following section provides detailed per VM Recovery Settings information on SRM-HQ .

1.8.1.1 PHARMAX-DB-RG VM Recovery Settings

Name	Status	Recovery Priority	Skip Guest ShutDown	PowerOn Timeout	PowerOn Delay	PowerOff Timeout	Final Power State
Linux-DB-01V	OK	Normal	No	300/s	0/s	300/s	Poweredon
Linux-DB-02V	OK	Lower	No	300/s	0/s	300/s	Poweredon

Table 18 - Virtual Machine Recovery Settings - PHARMAX-DB-RG

1.8.1.2 PHARMAX-APP-RG VM Recovery Settings

Name	Status	Recovery Priority	Skip Guest ShutDown	PowerOn Timeout	PowerOn Delay	PowerOff Timeout	Final Power State
Linux-APP-01V	OK	Normal	No	300/s	0/s	300/s	Poweredon

Table 19 - Virtual Machine Recovery Settings - PHARMAX-APP-RG

1.8.1.3 PHARMAX-WEB-RG VM Recovery Settings

Name	Status	Recovery Priority	Skip Guest ShutDown	PowerOn Timeout	PowerOn Delay	PowerOff Timeout	Final Power State
Linux-WEB-01V	OK	Normal	No	300/s	0/s	300/s	Poweredon

Table 20 - Virtual Machine Recovery Settings - PHARMAX-WEB-RG

1.8.1.4 PHARMAX-MON-RG VM Recovery Settings

Name	Status	Recovery Priority	Skip Guest ShutDown	PowerOn Timeout	PowerOn Delay	PowerOff Timeout	Final Power State
Linux-Mon-01v	OK	Normal	No	300/s	0/s	300/s	Poweredon

Table 21 - Virtual Machine Recovery Settings - PHARMAX-MON-RG