DR-NETAPP-SNAPMIRROR

Storage Plan

Execution Report

Scope: DR-STORAGE

Generated: 14/08/2020 22:59, (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Contents

Orchestration Plan Report for DR-NETAPP-SNAPMIRROR

Document Information

This is a Execution report for the disaster recovery plan DR-NETAPP-SNAPMIRROR.

This document should be stored in both electronic and printed media, in multiple locations, so that it can be accessed by all staff who require it in the event of an emergency.

The document will be available online in the Veeam Availability Orchestrator (VAO) application. Stakeholders may subscribe in VAO to receive document updates via email.

Plan Information

This document describes the following DR plan -

Plan Name	DR-NETAPP-SNAPMIRROR
Plan Description	

The contact details for this plan are below -

Plan Contact Name	Gabriele Pelizzari
Plan Contact Email	
Plan Contact Tel	

Plan Contents

This plan contains 1 virtual machines in 1 groups.

Recovery Objectives

Below are the recovery objectives for the plan 'DR-NETAPP-SNAPMIRROR'

Target RTO (hours)	Target RPO (hours)
1 hour(s) 0 minute(s)	24 hour(s) 0 minute(s)

RTO is Recovery Time Objective, which specifies the maximum time before the service is restored after failure.
RPO is Recovery Point Objective, which specifies the maximum loss of historical data after a failure.

Above targets will be checked against the plan test regime. See Test and Readiness Check reports for the results.

VAO Server Information

VAO server details including contact information are below.

Name	VAO-Verderio (VAO-SERVER.thegable.internal)
Description	DR site - Verderio (Lecco)
Contact Name	gabriele pelizzari
Contact Email	gabriele.pelizzari@veeam.com
Contact Tel	

Overview

Plan Properties

Name	DR-NETAPP-SNAPMIRROR
Description	
Contact Name	Gabriele Pelizzari
Contact Email	
Contact Tel:	
Target RTO	1 hour(s) 0 minute(s)
Target RPO	24 hour(s) 0 minute(s)

Orchestration Server Properties

Name	VAO-Verderio
Server Name	VAO-SERVER.thegable.internal
Server Version	3.0.0.1770
Description	DR site - Verderio (Lecco)
Contact Name	gabriele pelizzari
Contact Email	gabriele.pelizzari@veeam.com
Contact Tel:	

Scope Properties

Scope Name	DR-STORAGE
Scope Description	

Veeam Orchestrator License

License Status	✓ Licensed
Instances	1000
Expiration Date	09/09/2020 (26 days remaining)
License Type	Evaluation
License ID	
License To	PROJECT INFORMATICA SRL
Package	Orchestrator
Support ID	

Document Settings and Distribution

Document Template	Veeam Default Template
Template Description	This is an example template, and should be cloned and customized to your requirements
Report Filter Options	All details
VAO Version	3.0.0.1770
Time zone	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
Email address #1	gabriele.pelizzari@veeam.com

Summary

Overall Result	Issue Count
✓ Success	None

Execution Details

Item	Details
Run/Scheduled By	VBR (THEGABLE\VBR)
Restore Point	Use the latest Restore Point
Start Time	14/08/2020 22:50:54, (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
End Time	14/08/2020 22:59:38, (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
Start State	Verified
End State	Failover
Duration (HH:mm:ss)	**00:08:44**

Licensing

Result	Check	Details
[i] Info	Licensing - Summary	5 of 1000 license instances used
✓ Success	Licensing - Usage	1 licenses are used in this plan
✓ Success	Licensing - Expiry	The license will expire in 26 days.
✓ Success	Licensing - Exceeded	The license limit is not exceeded on the VAO server.

RPO

Result	Check	Details
[i] Info	RPO	Target RPO is 24:00 (HH:mm)
✓ Success	Target RPO Met	Yes
✓ Success	VMs not meeting RPO	None
✓ Success	Worst RPO failure	None

RTO

Result	Check	Details
[i] Info	RTO	Target RTO is 01:00 (HH:mm)
[i] Info	Duration	Plan execution duration was 00:08:44 (HH:mm:ss)
✓ Success	Target RTO Met	RTO achieved

Recovery Locations

Result	Resource	Details
✓ Ready	VERDERIO-Storage	None

Datastores

Result	Resource	Details
✓ Success	Datastores	None

Plan Groups

Result	Group	Start Time	End Time	Duration (HH:mm:ss)

Result	Group	Start Time	End Time	Duration (HH:mm:ss)
✓ Success	Pre-Plan Steps	22:50:54	22:52:35	00:01:41
✓ Success	Datastore - NETAPP-GARLATE	22:52:35	22:59:02	00:06:27
✓ Success	Post-Plan Steps	22:59:02	22:59:38	00:00:36

Recovery Locations

Location VERDERIO-Storage

Back to Summary

Setting	Value
Description	
Re-IP	Disabled
Network Mapping	DPortGroup-VM (DSwitch-IT in DataCenter-Garlate) - VM Network in Datacenter-DR
Datacenter	Datacenter-DR on VCSA-DR

Result	Resource	Details
✓ Ready	192.168.16.223	None
✓ Ready	ESXi-DR-3.0 - Name	None

Storage System 192.168.16.223

Result	Check	Details
✓ Success	Availability	The storage system is in the Connected state

Compute Group ESXi-DR-3.0 - Name

Result	Check	Details
✓ Success	Resources	The group contains compute resources
✓ Success	Availability	Group 'ESXi-DR-3.0 - Name' is available
✓ Success	Resource Location	All compute resources of the group are located on the Target Datacenter
✓ Success	Network Mapping	Network mapping is configured properly for the Compute Group
✓ Success	Storage	The datastores can be mounted to all connected hosts of the Compute Group

Datastores

Back to Summary

Result	Datastore	Details
✓ Ready	NETAPP-GARLATE - DataCenter-Garlate	None

Missing datastores

No missing datastores

Datastore NETAPP-GARLATE - DataCenter-Garlate

Result	Check	Details
✓ Success	Datastore Contents	The datastore contains VM disks
✓ Success	Storage System	The datastore is backed by a storage system
✓ Success	Datastore Replication	The datastore is replicated
✓ Success	Recovery Location	The Recovery Location 'VERDERIO-Storage' will be used to fail over the datastore
✓ Success	ESXi Compatibility	The datastore is compatible with all ESXi hosts of the selected Recovery Location
✓ Success	Volume Availability	All destination protection groups are available
✓ Success	LUN Availability	All target SAN storage items are available

Pre-Plan Steps

Back to Summary

Result	Step	Start Time	End Time	Duration (HH:mm:ss)
✓ Success	License Check	22:50:54	22:50:54	00:00:00
✓ Success	Check VM Groups availability	22:50:54	22:50:54	00:00:00
✓ Success	VM Power Actions	22:50:54	22:50:57	00:00:03
✓ Success	VM Control	22:50:57	22:51:02	00:00:05
✓ Success	Storage Failover	22:51:02	22:52:35	00:01:33

License Check

Timestamp	Details
22:50:54	The license will expire in 26 days.
22:50:54	The license limit is not exceeded on the VAO server.
22:50:54	All VMs in the plan are licensed

Check VM Groups availability

Timestamp	Details
22:50:54	Step 'Check VM Groups availability' execution started
22:50:54	Checking the availability of the VM group Datastore - NETAPP-GARLATE
22:50:54	The VM group Datastore - NETAPP-GARLATE is ready for processing
22:50:54	Step 'Check VM Groups availability' execution finished

VM Power Actions

Timestamp	Details
22:50:54	Step 'VM Power Actions' execution started
22:50:54	Execution attempt 1 of 2
22:50:57	VM with name 'Ubuntu-02' 'Shutdown Guest OS' was completed successfully
22:50:57	Step 'VM Power Actions' execution finished

VM Control

Timestamp	Details
22:50:57	Step 'VM Control' execution started
22:50:57	Execution attempt 1 of 3
22:50:57	Retrieving source VM objects from the vCenter Server
22:50:57	Connecting to the vCenter Server VCSA-VC01
22:51:02	There are no VMs to power off
22:51:02	Step 'VM Control' execution finished

Storage Failover

Timestamp	Details
22:51:02	Step 'Storage Failover' execution started
22:51:02	Execution attempt 1 of 3

Timestamp	Details
22:51:02	The destination volume Vol_iSCSI_N01_dest of the source volume Vol_iSCSI_N01 will be used for storage failover. The volume will be reverted to the snapshot with the timestamp 14/08/2020 22:05:04
22:51:02	Quiescing the SnapMirror relationship between Vol_iSCSI_N01 and Vol_iSCSI_N01_dest
22:51:03	SnapMirror from Vol_iSCSI_N01 to Vol_iSCSI_N01_dest has been quiesced successfully
22:51:03	Breaking the SnapMirror relationship between Vol_iSCSI_N01 and Vol_iSCSI_N01_dest
22:51:07	Mirror volume Vol_iSCSI_N01_dest is online
22:51:35	Connecting to the vCenter Server VCSA-DR
22:51:35	Rescanning VMFS volumes on the host 192.168.16.13
22:51:54	Remounting SAN volumes to the host 192.168.16.13
22:52:12	Rescanning VMFS volumes on the host 192.168.16.13
22:52:26	Successfully renamed the datastore 'snap-0cd97512-NETAPP-GARLATE' to 'NETAPP-GARLATE'
22:52:26	The datastore NETAPP-GARLATE is already mounted on the host 192.168.16.13
22:52:35	Step 'Storage Failover' execution finished

VM Groups

Group Datastore - NETAPP-GARLATE

Back to Summary

VM Group Members

Result	VM Name	Start Time	End Time	Duration (HH:mm:ss)
✓ Success	Ubuntu-netapp	22:52:35	22:59:02	00:06:27

VM Ubuntu-netapp

Back to VM Group Members

Step Results and Duration

Result	Step	Start Time	End Time	Duration (HH:mm:ss)
✓ Success	Check VM license and availability	22:52:35	22:52:35	00:00:00
✓ Success	Register VM	22:52:35	22:58:17	00:05:42
✓ Success	Check VM Heartbeat	22:58:17	22:59:02	00:00:45

Check VM license and availability

Timestamp	Details
22:52:35	The VM is licensed.
22:52:35	Waiting for VM availability...
22:52:35	VM is ready for processing

Register VM

Timestamp	Details
22:52:35	Step 'Register VM' execution started
22:52:35	Execution attempt 1 of 3
22:52:35	Connecting to the vCenter Server VCSA-DR
22:52:37	Restore location: Host '192.168.16.13', Network mapping: DPortGroup-VM -> VM Network
22:52:37	Searching for orphaned VM files
22:52:37	No orphaned VM files found
22:52:38	The VM registration task started successfully.
22:52:38	The VM was successfully registered.
22:52:39	Gathering network mapping information.
22:52:40	Source VM networks: DVS port group 'DPortGroup-VM'
22:52:41	The VM has been successfully reconfigured
22:52:42	Failed to find a Veeam job that protects the VM. VAO will use the embedded Veeam Backup & Replication server to process the recovered VM
22:52:43	The VM is being prepared to start
22:52:46	Starting VM...
22:52:48	Powering on VM Ubuntu-netapp on host VCSA-DR
22:52:55	Waiting for VM to boot
22:57:48	VM was started successfully
22:58:17	Successfully added the IP address 192.168.16.74 to the list of VM IP addresses
22:58:17	The IP address fe80::250:56ff:fead:ce7 is not an IPv4 address and will be skipped
22:58:17	Step 'Register VM' execution finished

Check VM Heartbeat

Timestamp	Details
22:58:17	Step 'Check VM Heartbeat' execution started
22:58:17	Execution attempt 1 of 1
22:58:17	Connecting to the vCenter Server VCSA-DR

Timestamp	Details
22:58:27	Poll 1: The VM Heartbeat check completed successfully
22:58:38	Poll 2: The VM Heartbeat check completed successfully
22:58:48	Poll 3: The VM Heartbeat check completed successfully
22:58:58	Poll 4: The VM Heartbeat check completed successfully
22:58:58	VM Heartbeat checked successfully
22:59:02	Step 'Check VM Heartbeat' execution finished

Post-Plan Steps

Back to Summary

Result	Step	Start Time	End Time	Duration (HH:mm:ss)
✓ Success	Unregister Source VMs	22:59:02	22:59:13	00:00:11
✓ Success	Unmount Source Datastores	22:59:13	22:59:38	00:00:25

Unregister Source VMs

Timestamp	Details
22:59:02	Step 'Unregister Source VMs' execution started
22:59:02	Execution attempt 1 of 3
22:59:02	Retrieving source VM objects from the vCenter Server
22:59:02	Connecting to the vCenter Server VCSA-VC01
22:59:08	Unregistering the VM Ubuntu-netapp
22:59:13	Step 'Unregister Source VMs' execution finished

Unmount Source Datastores

Timestamp	Details
22:59:13	Step 'Unmount Source Datastores' execution started
22:59:13	Execution attempt 1 of 3
22:59:13	Connecting to the vCenter Server VCSA-VC01
22:59:13	Unmounting the following VMFS volumes from the host esx-03.thegable.internal: NETAPP-GARLATE
22:59:13	Unmounting the following VMFS volumes from the host esx-02.thegable.internal: NETAPP-GARLATE
22:59:13	Unmounting the following VMFS volumes from the host esx-01.thegable.internal: NETAPP-GARLATE
22:59:32	Detaching LUNs from the host esx-01.thegable.internal
22:59:33	Detaching LUNs from the host esx-02.thegable.internal
22:59:33	Detaching LUNs from the host esx-03.thegable.internal
22:59:33	Rescanning all HBAs on the host esx-01.thegable.internal
22:59:33	Rescanning all HBAs on the host esx-02.thegable.internal
22:59:34	Rescanning VMFS volumes on the host esx-02.thegable.internal
22:59:34	Rescanning VMFS volumes on the host esx-01.thegable.internal
22:59:35	Rescanning all HBAs on the host esx-03.thegable.internal
22:59:35	Rescanning VMFS volumes on the host esx-03.thegable.internal
22:59:38	Step 'Unmount Source Datastores' execution finished