Veritas System Recovery
Script Support

VERITAS

Contents

Veritas System Recovery: Script Support

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Documentation version for Veritas System Recovery 23.1

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1 Introduction

Veritas System Recovery 23.1 now has updated automated scripts:

- To create backup to storage destinations like cloud, network, local and hidden partition.
- To verify backup present in storage destination like cloud, network, local and hidden partition.

Veritas System Recovery 23.1 now supports:

- Listing all recovery points residing in cloud, network and local destination in SRD environment using command line.
- Recovery from SRD environment using command line.

Above enhancement provides great flexibility to customers who want to customize the system recovery use cases as need basis.

2 Updated Automation Scripts

This section provides the list of updated automation scripts (Powershell) and their description.

This includes the list of updated automation scripts to create backup to storage destinations like cloud, network, local and hidden partition. It also includes scripts to verify backup present in storage destinations like cloud, network, local, and hidden partition.

2.1 List of Updated Automated Scripts

Following table provides the list of updated automated scripts:

Sl.No.	Script	Description
1	QUERY_AMI_CREATION_STATUS	To get the status for AMI Creation
2	Query_History	To get the information about volume as GenericID, Description, lastImage, Lasttime, FileName, ID, TimeStamp
3	QueryJobStatus	To find the VSR agent status until the script is stopped
4	RemoveAllJobs	To delete all backup job plans
5	RestoreImage	To run a restore job
6	RestoreImagewithIgnoreCorruption	To run a restore job while ignoring corruption.
7	RunJobNow	To run a certain job using job id

8	SilentInstall	To install VSR in the background
9	UnMountV2iVolume	To unmount a mounted backup image
10	VerifyImage	To confirm that the backup image is present and not corrupted
11	AddImageJob	To add a backup job to VSR
12	AddImageJob-Example	Example script for AddImageJob
13	Cancel_A_Scheduled_Job	To cancel scheduled jobs
14	ConsolidateRecoveryPoints	To consolidate the images based on the iv2is location
15	CopyToDestination	To copy a backup image to provided destination
16	CopyVolume	To copy a volume to unallocated space without performing backup
17	CREATE_AMI_IN_AWS	To create a backup of system drive to AWS cloud
18	CreateBaseImageNow	To create a base image backup
19	CreateImageNow	To create a backup image with run once only
20	CreateIncrementalImage	To create a backup job for an existing RPS base image using backup ID
21	CreateVirtual	To execute a run once backup job of system drive and converts it to VHD or VMDK
22	CreateVirtualConversionForESXServer	To execute a run once backup job of system drive and performs a conversion job to esx
23	CreateVirtualMachineFromSv2i	To perform backup image to VHD or VMDK conversion
24	Delayed_Restore	To perform a delayed, restore of the drive provided
25	DeleteRecoveryPoints	To delete backup image

26	FileFolderBackup	To perform File Folder backup
27	FileFolderRestore	To perform restore of File Folder backup
28	InstallLicense	To apply license to the VSR
29	LOR_Install	To create Lights Out Restore for the machine
30	MountV2iVolume	To mount the provided v2i as a data drive to browse the contents
31	MoveDestination	To moves all the v2is to a provided destination of certain backup job using Job ID
32	CreateIndependentBackupToNetworkOrLocal	To schedule and run an independent backup to a network location or local location
33	CreateBaseAndIncrementalBackupToCloud	To schedule and run a recovery point set backup to a cloud location
34	CreateBaseAndIncrementalBackupToHiddenDrive	To schedule and run a recovery point set backup to a hidden drive
35	CreateBaseAndIncrementalBackupToNetworkOrLocal	To schedule and run a recovery point set backup to a local or network location
36	CreateIndependentBackupToCloud	To schedule and run an independent backup to cloud
37	CreateIndependentBackupToHiddenDrive	To schedule and run an independent backup to a hidden drive

Example:

PowerShell script Name: Delete Recovery Point

To delete certain backup images, 'Delete Recovery Point' script is used.

Follow the below steps to provide required inputs for the script.

1. Add job ID of the backup job to the $oConstraints.ID variable.
2. Provide the location of v2i to be deleted in $sFilename and enter valid credentials in $oLocation.

3. Run the PowerShell script.

```
#-------------------------------------------------------------------------------------------
# Step 4: Define the location of the .v2i file to be deleted.
#-------------------------------------------------------------------------------------------

$sFilename = "G:\Veritas Backups\test\SystemBackup001.v2i"
$oLocation = CreateLocation $sFilename "" ""

#-------------------------------------------------------------------------------------------
# Step 5:  Define Constraints object and set the parameters.
#-------------------------------------------------------------------------
#   ID - specify the job ID/image ID
#   Context can be as below:
#     LOCATION_WRITE    = 0,
#     LOCATION_READ     = 1,
#     LOCATION_WRITE_CREATE_DIR =2
#   Enter the image password.
#   Filename is the full path of the.v2i file location. It can be a local folder path or a network path.
#   RequiredSizeMB is the size of the .v2i file in MB.
#-------------------------------------------------------------------------------------------

$oConstraints = New-Object -ComObject "Veritas.VProRecovery.LocationConstraints"
$oConstraints.ID = "{B07F5842-DC58-43E5-A797-541520F9E20C}"
$oConstraints.Context = 1 #$oConstraints.Constants.LOCATION_READ
$oConstraints.Password = ""
$oConstraints.Filename = $sFilename
$oConstraints.RequiredSizeMB = 10245
```

3 V2iSR_SRD_Command Line Option

This section details the command line options available to list all recovery points residing in cloud, network, and local destination in System Recovery Disk (SRD) environment. It also details recovery from SRD environment using command line.

With the System Recovery 23.1 release, as part of the Extended Automation Support the V2iSR_SRD_Command line is supported.

3.1 Commands to List Recovery Points

3.1.1 Filter Recovery Images Residing in Cloud Destination

Command:
V2iSR.exe -LIST Azure:azure:azure.com/CloudBucketName/ -OUN CloudUsername -OPWD CloudPassword -FLTR SearchString –LOG listlog.txt.

This lists the filtered recovery images residing in cloud destination in console and stores the result in a V2iFilelist.txt file at the path X:\Windows\Shell\V2i.

3.1.2 Filter Recovery Images Residing in Network Destination

Command:

V2iSR.exe -LIST \\10.x.x.x\Networksharepath -NUN NetworkUsername -NPWD NetworkPassword -FLTR SearchString –LOG listlog.txt

This lists the filtered recovery images residing in Network destination in console and stores the result in a V2iFilelist.txt file at path X:\Windows\Shell\V2i.

3.1.3 Filter Recovery Images Residing in Local Destination

Command:

V2iSR.exe -LIST local -FLTR SearchString –LOG listlog.txt

This lists the filtered recovery images residing in local destination in console and stores the result in a V2iFilelist.txt file at path X:\Windows\Shell\V2i, this file has all filtered recovery images details.

3.2 Commands to Recover Images

3.2.1 Recover Images Residing in Cloud Destination

Command:

V2iSR.exe -SVF Azure:azure:azure.com/bucketName/FullFilenameWithExtension -OUN CloudUsername -OPWD CloudPassword -PWD RecoveryImageEncryptionPassword -AYA -NUI -RAF -LOG PathOfLogFile

This will recover images residing in cloud destination.

3.2.2 Recover Images Residing in Network Destination

Command:

V2iSR.exe -SVF \\10.x.x.x\xxx.v2i -NUN NetworkUsername -NPWD NetworkPassword -PWD RecoveryImageEncryptionPassword -AYA -NUI -RAF -LOG PathOfLogFile

This will recover images residing in network destination.

3.2.3 Recover Images Residing in Local Destination

Command:

V2iSR.exe -SVF C:\\xxx\xxx.v2i -PWD RecoveryImageEncryptionPassword -AYA -NUI -RAF -LOG PathOfLogFile

This will recover images residing in local destination.

Note: Command execution result will be stored in a LogRecoveryStatus.txt file at path X:\Windows\Shell\V2i.

3.3 List of Command Line Switches

Following table provides the list of switches for the command line with the descriptions:

Switch	Switch Description
-SVF	Restore using “V2i” images
-SV2i	Restore using “SV2i” images
-PWD	Password/Encryption that was provided while performing Backup
-OIC	To ignore any corruption/data loss during restore
-ONVB	Do not verify recovery points before restoring
-AYA	Answer yes to all
-NUI	Restore will start automatically without any user input
-LOG	Captures the Success/Failure results in specified location
-ORM	Restore master boot record
-DDN	Storage destination disk number to restore
-DPN	Storage destination disk partition number to restore
-OUN	OST/Cloud Username
-OPWD	OST/Cloud Password
-**LIST**	Storage destination location, where recovery images are residing
-**FLTR**	Search string to filter recovery images in storage destination
-NUN	Network Location Username
-NPWD	Network Location Password
-OHIR	Restore anywhere to different hardware for Bare metal restore
-ODL	Restore destination drive letter
-ARF	AutoRestore filename
-DAF	Delayed apply filename

-DBG	Debug filename
-HPL	Location of Hidden Partition
-LKL	Load Keyboard layout
-OCA	Check file system after restoring
-ONPD	Don’t preserve domain trust token
-ONRS	Don’t restore disk signature
-OPL	Partition type logical
-OPP	Partition type primary
-ORS	Resize restored drive size in MB
-ORU	Resize to fill unallocated space
-OSA	Set active
-RFI	Restore Factory Image
-SVI	V2i Volume index
-help	Command line usage