

RestAPI support for Veritas System Recovery 21

Veritas RestAPI feature supports following nine operations as part of Veritas System Recovery 21 release:

- Check status of all the volumes of the system- GET request
- Check all the drives available in the system-GET request
- Check the progress of current job in action- GET request
- List of all the backup jobs configured in VSR- GET request
- List of all the recovery points of the system- GET request
- Create the backup job-POST request
- Run the backup job-POST request
- Restore data drives-POST request
- Delete the backup jobs configured-POST request

NOTE: For Post WebAPI call, provide the parameters in the Body section in JSON format.

API call details:

Host URL: <https://<MachineIP>:4443/>

Note: MachineIP is the IP address of the system where “Veritas WebAPI services” Agent service is running. 4443 is the default port for VSR REST API calls.

1. Check status of all the volumes of the system

API Name	: GetVolumeStatus
Description	: Displays the list of volumes in the system along with their status as displayed in VSR GUI.
URL	: <a href="https://<MachineIP>:4443/api/v1/value1/GetVolumeStatus">api/v1/value1/GetVolumeStatus
Input Parameters	: NA
Example URL	: <a href="https://<MachineIP>:4443/api/v1/value1/GetVolumeStatus">https://<MachineIP>:4443/api/v1/value1/GetVolumeStatus
Output sample	: ["Recovery (*:\) -> At Risk", " (*:\) -> At Risk", " (C:\) -> At Risk", "New Volume (F:\) -> At Risk", "New Volume (E:\) -> At Risk", "Overall Status -> At Risk"]

2. Check all the drives available in the system

API Name	: GetAllDrives
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Description : Displays the list of volumes available in the system along with details of Generic-ID of volume and space available in drive.

URL : [api/v1/value1/GetAllDrives](#)

Input Parameters : NA

Example URL : [https://<MachineIP>:4443/api/v1/value1/GetAllDrives](#)

Output sample : ["Recovery (*:\) Generic ID : 0-1 Space Available = 139 MB",
" (*:\) Generic ID : 0-2 Space Available = 71 MB",
" (C:\) Generic ID : C:\ Space Available = 24849 MB",
"New Volume (F:\) Generic ID : F:\ Space Available = 185 MB",
"New Volume (E:\) Generic ID : E:\ Space Available = 482 MB"]

3. Check the progress of current job in action

API Name : **GetJobProgress**

Description : Displays progress of ongoing job.

URL : [api/v1/value1/GetJobProgress](#)

Input Parameters : NA

Example URL : [https://<MachineIP>:4443/api/v1/value1/GetJobProgress](#)

Output sample1 : "15%"

Output sample2 : "No job is running" when no Jobs are in progress.

4. List of all the backup jobs configured in VSR

API Name : **GetBackupJobs**

Description : Displays the list of backup jobs configured in system.

URL : [api/v1/value1/GetBackupJobs](#)

Input Parameters : NA

Example URL : [https://<MachineIP>:4443/api/v1/value1/GetBackupJobs](#)

Output Sample1 : ["Job ID : {A8E25B9D-A0F9-49F8-A548-3D3065415D14} | Name : Drive Backup of New Volume (F:\) ",
"Job ID : {12B0F6BF-D6A1-42C0-9021-85104683F8F5} | Name : Drive Backup of New Volume (E:\) "]

Output Sample2 : "Backup jobs are not defined" when no Jobs are configured.

5. List of all recovery points available in the system

API Name : **GetRecoveryPoints**

Description : Displays the list of all recovery points available of the system.

URL : [api/v1/value1/GetRecoveryPoints](#)




Input Parameters : NA

Example URL : [https://<MachineIP>:4443/api/v1/value1/GetRecoveryPoints](#)

Output sample1 : ["F_Drive001.v2i | Location :E:/FBackup/",
"F_Drive001_iv001.iv2i | Location :E:/FBackup/"]

Output Sample2 : "No recovery points found" when recovery points are not available.

6. Create the backup job

API Name	: CreateBackupJob
Description	: Creates the backup job.
URL	: api/v1/value1/CreateBackupJob
Input Parameters	: drives - Drive to be backed up destpath - Destination path where v2i image should be stored Networkusername – Network Username for destination in network path Networkpassword – Network Password for destination in network path imgPassword – Image Password if image has to be password protected
Example URL	: <a href="https://<MachineIP>:4443/api/v1/value1/CreateBackupJob">https://<MachineIP>:4443/api/v1/value1/CreateBackupJob
Example Body	: 1. Body for network path destination { "drives": "E,F", "destpath": "\\10.30.33.72\\testbackup", "Networkusername": "Administrator", "Networkpassword": "Welcome@123",  "imgPassword": "Protect@123" } 2. Body for local path destination { "drives": "E,F", "destpath": "D:\\EFBackup", "Networkusername": "", "Networkpassword": "",  "imgPassword": "Protect@123" } 3. System drive backup: where 0-1 is Recovery partition, 0-2 is EFI Partition of a Windows EFI machine with drive C being the System drive. { "drives": "0-1,0-2,C", "destpath": "\\10.30.33.72\\testbackup", "Networkusername": "Administrator", "Networkpassword": "Welcome@123",  "imgPassword": "Protect@123" } Output sample : "Added backup job successfully"

7. Run the backup job

API Name	: RunBackupJob
Description	: Runs the backup job
URL	: api/v1/value1/RunBackupJob
Input Parameters	: JobID - Job ID of respective backup job
Example URL	: <a href="https://< MachineIP >:4443/api/v1/value1/RunBackupJob">https://< MachineIP >:4443/api/v1/value1/RunBackupJob
Example Body	: { "JobID": "1E0AD230-1D88-43BB-A3FE-C16EF70C01E3" }
Output sample	: "Backup job was run"

Note: To get Job ID of Backup Jobs, please run GetBackupJobs

8. Restore data drives

API Name	: RestoreDataDrive
Description	: Restores the data drive.
URL	: api/v1/value1/RestoreDataDrive
Input Parameters	: targetdrive - Drive to which data should be restored v2ipath - Source path of v2i image in the local destination along with complete v2i name. v2ipassword – password of v2i, if image is password protected
Example URL	: <a href="https://< MachineIP >:4443/api/v1/value1/RestoreDataDrive">https://< MachineIP >:4443/api/v1/value1/RestoreDataDrive
Example Body	: 1. Body if v2i is password protected { "targetdrive": "E", "v2ipath": "D:\\backup\\G_Drive001.v2i", "v2ipassword": "Welcome@123" } 2. Body if v2i is not password protected { "targetdrive": "E", "v2ipath": "D:\\backup\\G_Drive001.v2i", "v2ipassword": "" }
Output sample	: "Data drive restored successfully"

Note: System drive recovery is not supported. Source of recovery point should be local path only. Network destination is not supported.

9. Delete the backup jobs configured

API Name	: DeleteBackupJob
Description	: Deletes the backup job

URL : [api/v1/value1/DeleteBackupJob](#)
Input Parameters : [JobID](#) - Job ID of respective backup job
Example URL : [https://< MachineIP >:4443/api/v1/value1/DeleteBackupJob](#)
Example Body :
{
 "JodID": "1E0AD230-1D88-43BB-A3FE-C16EF70C01E3"
}
Output sample : "Deleted Backup job successfully"

Note: To get Job ID of Backup Jobs, run GetBackupJobs

More details on RESTful API feature and initial configuration steps please refer to VSR 21 Admin Guide.