



REST API workflow to restore VMDKs

SnapCenter Plug-in for VMware vSphere 4.4

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October 08, 2020

Table of Contents

REST API workflow to restore VMDKs 1

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To perform restore operations for VMDKs using the SnapCenter Plug-in for VMware vSphere REST APIs, you must follow the prescribed sequence of REST API calls shown in the following table.

For each REST API, add `<a href="https://<server><port>" class="bare">https://<server><port>` at the front of the REST API to form a complete endpoint.

| Step | REST API | Comments |
|------|---|---|
| 1 | Go to <a href="http://<vCenter-IP>/mob">http://<vCenter-IP>/mob | Find the VM moref from the VMware Managed Objects URL. Note the moref for the VM in which the VMDK is located. |
| 2 | <code>/4.1/vm/{moref}/backups</code> | <code>Get VM Backups</code> gets a list of backups for the specified VM. Pass the moref from Step 1. Note the backupId of the backup you want to restore. |
| 3 | <code>/4.1/vm/backups/{backupId}/snapshotlocations</code> | <code>Get snapshot locations</code> gets the location of the Snapshot copy for the specified backup. Pass the backupId from Step 2. Note the snapshotLocationsList information. |
| 4 | <code>/4.1/vm/{moref}/backups/vmdklocations</code> | <code>Get Vmdk Locations</code> gets a list of VMDKs for the specified VM. Note the vmdkLocationsList information. |
| 5 | <code>/4.1/vm/{ moref}/backups/{backupId}/availabledatastores</code> | <code>Get Available Datastores</code> gets a list of datastores that are available for the restore operation. Pass the moref from Step 1. Pass the backupId from Step 2. Note the DatastoreNameList information. |
| 6 | <code>/4.1/vm/{moref}/backups/availableesxhosts</code> | <code>Get available ESX Hosts</code> gets the information for the host on which the backup is stored. Pass the moref from Step 1. Note the availableEsxHostsList information. |

| Step | REST API | Comments |
|------|--|---|
| 7 | <code>/4.1/vm/{moref}/backups/{backupId}/restorevmdks</code> | <p>Restore a VMDK from a backup restores the specified VMDK from the specified backup. In the esxHost attribute, pass the information from availableEsxHostsList in Step 6. Pass the information from Steps 3 through 5 to the vmdkRestoreLocations attribute:</p> <ul style="list-style-type: none"> * In the restoreFromLocation attribute, pass the information from snapshotLocationsList in Step 3. * In the vmdkToRestore attribute, pass the information from vmdkLocationsList in Step 4. * In the restoreToDatastore attribute, pass the information from DatastoreNameList in Step 5. |

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