



# Restore resources using PowerShell cmdlets

## SnapCenter Software

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# Restore resources using PowerShell cmdlets

Restoring a resource backup includes initiating a connection session with the SnapCenter Server, listing the backups and retrieving backup information, and restoring a backup.

You must have prepared the PowerShell environment to execute the PowerShell cmdlets.

## Steps

1. Initiate a connection session with the SnapCenter Server for a specified user by using the `Open-SmConnection` cmdlet.

```
Open-smconnection -SMSbaseurl https:\\snapctr.demo.netapp.com:8146/
```

2. Retrieve the information about the one or more backups that you want to restore by using the `Get-SmBackup` and `Get-SmBackupReport` cmdlets.

This example displays information about all available backups:

```
C:\PS>PS C:\> Get-SmBackup
```

BackupId	BackupName	BackupTime
1	Payroll Dataset_vise-f6_08...	8/4/2015 11:02:32 AM
2	Payroll Dataset_vise-f6_08...	8/4/2015 11:23:17 AM

This example displays detailed information about the backup from January 29th 2015 to February 3rd, 2015:

```
PS C:\> Get-SmBackupReport -FromDate "1/29/2015" -ToDate "2/3/2015"
```

```
SmBackupId      : 113
SmJobId         : 2032
StartDateTime   : 2/2/2015 6:57:03 AM
EndDateTime    : 2/2/2015 6:57:11 AM
Duration        : 00:00:07.3060000
CreatedDateTime : 2/2/2015 6:57:23 AM
Status         : Completed
ProtectionGroupName : Clone
SmProtectionGroupId : 34
PolicyName     : Vault
SmPolicyId    : 18
BackupName    : Clone_SCSPR0019366001_02-02-2015_06.57.08
VerificationStatus : NotVerified
```

```
SmBackupId      : 114
SmJobId         : 2183
StartDateTime   : 2/2/2015 1:02:41 PM
EndDateTime    : 2/2/2015 1:02:38 PM
Duration        : -00:00:03.2300000
CreatedDateTime : 2/2/2015 1:02:53 PM
Status         : Completed
ProtectionGroupName : Clone
SmProtectionGroupId : 34
PolicyName     : Vault
SmPolicyId    : 18
BackupName    : Clone_SCSPR0019366001_02-02-2015_13.02.45
VerificationStatus : NotVerified
```

3. Restore data from the backup by using the Restore-SmBackup cmdlet.

```
Restore-SmBackup -PluginCode 'DummyPlugin' -AppObjectId
'scc54.sscore.test.com\DummyPlugin\NTP\DB1' -BackupId 269
-Confirm:$false
output:
Name                : Restore
'scc54.sscore.test.com\DummyPlugin\NTP\DB1'
Id                  : 2368
StartTime           : 10/4/2016 11:22:02 PM
EndTime             :
IsCancellable       : False
IsRestartable      : False
IsCompleted         : False
IsVisible           : True
IsScheduled         : False
PercentageCompleted : 0
Description         :
Status              : Queued
Owner               :
Error               :
Priority            : None
Tasks               : {}
ParentJobID        : 0
EventId            : 0
JobTypeId           :
ApisJobKey         :
ObjectId           : 0
PluginCode         : NONE
PluginName         :
```

The information regarding the parameters that can be used with the cmdlet and their descriptions can be obtained by running *Get-Help command\_name*. Alternatively, you can also refer to the [SnapCenter Software Cmdlet Reference Guide](#).

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