



Restore SAP HANA database using PowerShell cmdlets

SnapCenter Software

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Restore SAP HANA database using PowerShell cmdlets

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

What you will need

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. Identify the backup that you want to restore by using the `Get-SmBackup` and `Get-SmBackupReport` cmdlets.

This example shows that there are two backups available for the restore:

```
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. Start the recovery process in the HANA studio.

The database is shut down.

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



AppObjectId is "Host\Plugin\UID", where UID = SID is for single container type resource and UID = MDC\SID is for multiple containers resource. You can get the ResourceID from the Get-smResources cmdlet.

```
Get-smResources -HostName cn24.sscore.test.com -PluginCode HANA
```

This example shows how to restore the database from the primary storage:

```
Restore-SmBackup -PluginCode HANA -AppObjectId  
cn24.sscore.test.com\hana\H10 -BackupId 3
```

This example shows how to restore the database from the secondary storage:

```
Restore-SmBackup -PluginCode 'HANA' -AppObjectId  
cn24.sscore.test.com\hana\H10 -BackupId 399 -Confirm:$false -Archive @(  
@{"Primary"="<Primary Vserver>:<PrimaryVolume>";"Secondary"="<Secondary  
Vserver>:<SecondaryVolume>"})
```

The backups will be available in HANA studio for recovery.

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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