



# Clone SAP HANA database backups using PowerShell cmdlets

SnapCenter Software

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# Clone SAP HANA database backups using PowerShell cmdlets

The clone workflow includes planning, performing the clone operation, and monitoring the operation.

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

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](#).

## 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 backups to perform the clone operation by using the `Get-SmBackup` cmdlet.

This example shows that two backups are available for cloning:

```
C:\PS> Get-SmBackup

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

3. Initiate a clone operation from an existing backup and specify the NFS export IP addresses on which the cloned volumes are exported.

This example shows that the backup to be cloned has an `NFSExportIPs` address of 10.232.206.169:

```
New-SmClone -AppPluginCode hana -BackupName
scscore1_sscore_test_com_hana_H73_scscore1_06-07-2017_02.54.29.3817
-Resources @{"Host"="scscore1.sscore.test.com";"Uid"="H73"}
-CloneToInstance shivsc4.sscore.test.com -mountcommand 'mount
10.232.206.169:%hana73data_Clone /hana83data' -preclonecreatecommands
'/home/scripts/scpre_clone.sh' -postclonecreatecommands
'/home/scripts/scpost_clone.sh'
```



If NFSExportIPs is not specified, the default is exported to the clone target host.

4. Verify that the backups were cloned successfully by using the Get-SmCloneReport cmdlet to view the clone job details.

You can view details such as clone ID, start date and time, end date and time.

```
PS C:\> Get-SmCloneReport -JobId 186

SmCloneId           : 1
SmJobId             : 186
StartDateTime       : 8/3/2015 2:43:02 PM
EndDateTime         : 8/3/2015 2:44:08 PM
Duration            : 00:01:06.6760000
Status              : Completed
ProtectionGroupName : Draper
SmProtectionGroupId : 4
PolicyName          : OnDemand_Clone
SmPolicyId          : 4
BackupPolicyName    : OnDemand_Full_Log
SmBackupPolicyId    : 1
CloneHostName       : SCSPR0054212005.mycompany.com
CloneHostId         : 4
CloneName           : Draper__clone__08-03-2015_14.43.53
SourceResources     : {Don, Betty, Bobby, Sally}
ClonedResources     : {Don_DRAPER, Betty_DRAPER, Bobby_DRAPER,
Sally_DRAPER}
SmJobError          :
```

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