



# **Clone SAP HANA database backups using PowerShell cmdlets**

## **SnapCenter Software**

Nirupama Sriram, Soumik Das, Archana  
June 17, 2021

This PDF was generated from [https://docs.netapp.com/us-en/snapcenter/protect-hana/task\\_clone\\_sap\\_hana\\_database\\_backups\\_using\\_powershell\\_cmdlets.html](https://docs.netapp.com/us-en/snapcenter/protect-hana/task_clone_sap_hana_database_backups_using_powershell_cmdlets.html) on June 24, 2021. Always check docs.netapp.com for the latest.

# Table of Contents

Clone SAP HANA database backups using PowerShell cmdlets ..... 1

# 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              Payroll Dataset_vise-f6_08... 8/4/2015
11:02:32 AM      Full Backup
2              Payroll Dataset_vise-f6_08... 8/4/2015
11:23:17 AM
```

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           :
```

## Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system- without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

## Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.