



Clone backups using PowerShell cmdlets

SnapCenter Software

Nirupama Sriram, Soumik Das, Archana
June 21, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapcenter/protect-scc/task_clone_backups_using_powershell_cmdlets.html on June 24, 2021. Always check docs.netapp.com for the latest.

Table of Contents

Clone backups using PowerShell cmdlets 1

Clone backups using PowerShell cmdlets

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

What you will need

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

For information about PowerShell cmdlets, use the SnapCenter cmdlet help or see 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. List the backups that can be cloned using the Get-SmBackup or Get-SmResourceGroup cmdlet.

This example displays information about all available backups:

```
C:\PS>PS C:\> 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

This example displays information about a specified resource group:

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

Description	:
CreationTime	: 10/10/2016 4:45:53 PM
ModificationTime	: 10/10/2016 4:45:53 PM
EnableEmail	: False
EmailSMTPServer	:
EmailFrom	:
EmailTo	:
EmailSubject	:
EnableSysLog	: False

```

ProtectionGroupType      : Backup
EnableAsupOnFailure      : False
Policies                  : {}
HostResourceMapping       : {}
Configuration             : SMCoreContracts.SmCloneConfiguration
LastBackupStatus         : Completed
VerificationServer        :
EmailBody                 :
EmailNotificationPreference : Never
VerificationServerInfo    :
SchedulerSQLInstance      :
CustomText                :
CustomSnapshotFormat      :
SearchResources           : False
ByPassCredential          : False
IsCustomSnapshot          :
MaintenanceStatus         : Production
PluginProtectionGroupTypes : {SMSQL}
Tag                       :
IsInternal                 : False
EnableEmailAttachment     : False
VerificationSettings      : {}
Name                      : NFS_DB
Type                      : Group
Id                        : 2
Host                      :
UserName                  :
Passphrase                :
Deleted                   : False
Auth                     : SMCoreContracts.SmAuth
IsClone                   : False
CloneLevel                : 0
Hosts                     :
StorageName               :
ResourceGroupNames        :
PolicyNames               :

Description               :
CreationTime              : 10/10/2016 4:51:36 PM
ModificationTime          : 10/10/2016 5:27:57 PM
EnableEmail               : False
EmailSMTPServer           :
EmailFrom                 :
EmailTo                   :
EmailSubject              :
EnableSysLog              : False

```

```

ProtectionGroupType      : Backup
EnableAsupOnFailure     : False
Policies                 : {}
HostResourceMapping      : {}
Configuration            : SMCoreContracts.SmCloneConfiguration
LastBackupStatus         : Failed
VerificationServer       :
EmailBody                :
EmailNotificationPreference : Never
VerificationServerInfo   :
SchedulerSQLInstance     :
CustomText               :
CustomSnapshotFormat     :
SearchResources          : False
ByPassRunAs              : False
IsCustomSnapshot         :
MaintenanceStatus        : Production
PluginProtectionGroupTypes : {SMSQL}
Tag                      :
IsInternal                : False
EnableEmailAttachment    : False
VerificationSettings     : {}
Name                     : Test
Type                     : Group
Id                       : 3
Host                     :
UserName                 :
Passphrase               :
Deleted                  : False
Auth                     : SMCoreContracts.SmAuth
IsClone                  : False
CloneLevel               : 0
Hosts                    :
StorageName              :
ResourceGroupNames       :
PolicyNames              :

```

3. Initiate a clone operation from a clone resource group or an existing backup using the New-SmClone cmdlet.

This example creates a clone from a specified backup with all logs:

```
New-SmClone -BackupName Verify_delete_clone_on_qtree_windows_scc54_10-
04-2016_19.05.48.0886 -Resources
@{"Host"="scc54.sscore.test.com";"Uid"="QTREE1"} -
CloneToInstance scc54.sscore.test.com -Suffix '_QtreeCloneWin9'
-AutoAssignMountPoint -AppPluginCode 'DummyPlugin' -initiatorname
'ign.1991-
05.com.microsoft:scc54.sscore.test.com' -igroupprotocol 'mixed'
```

4. View the status of the clone job by using the Get-SmCloneReport cmdlet.

This example displays a clone report for the specified job ID:

```
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.