



Prepare for data protection

SnapCenter Software

NetApp
June 18, 2021

This PDF was generated from https://docs.netapp.com/us-en/snapcenter/protect-scc/reference_prerequisites_for_using_snapcenter_custom_plug_ins.html on June 18, 2021. Always check docs.netapp.com for the latest.

Table of Contents

- Prepare for protecting custom plug-in resources 1
 - Prerequisites for using the SnapCenter Custom Plug-ins 1
 - How resources, resource groups, and policies are used for protecting custom plug-in resources 1

Prepare for protecting custom plug-in resources

Before performing any data protection operation such as backup, clone, or restore operations, you must define your strategy and set up the environment. You can also set up the SnapCenter Server to use SnapMirror and SnapVault technology.

To take advantage of SnapVault and SnapMirror technology, you must configure and initialize a data protection relationship between the source and destination volumes on the storage device. You can use NetAppSystem Manager or you can use the storage console command line to perform these tasks.

Prerequisites for using the SnapCenter Custom Plug-ins

Before you use SnapCenter Custom Plug-ins, the SnapCenter administrator must install and configure the SnapCenter Server and perform the prerequisite tasks.

- Install and configure SnapCenter Server.
- Log in to SnapCenter Server.
- Configure the SnapCenter environment by adding storage system connections and creating credentials, if applicable.
- Add hosts, and install and upload the plug-ins.
- If applicable, install Java 1.7 or Java 1.8 on the plug-in host.
- If you have multiple data paths (LIFs) or a dNFS configuration, you can perform the following using the SnapCenter CLI on the database host:
 - By default, all the IP addresses of the database host are added to the NFS storage export policy in storage virtual machine (SVM) for the cloned volumes. If you want to have a specific IP address or restrict to a subset of the IP addresses, run the `Set-PreferredHostIPsInStorageExportPolicy` CLI.
 - If you have multiple data paths (LIFs) in SVMs, SnapCenter chooses the appropriate data path (LIF) for mounting the NFS cloned volume. However, if you want to specify a specific data path (LIF), you must run the `Set-SvmPreferredDataPath` CLI. The information regarding the parameters that can be used with the command and their descriptions can be obtained by running `Get-Help command_name`. Alternatively, you can also refer to the [SnapCenter Software Command Reference Guide](#).
- Set up SnapMirror and SnapVault, if you want backup replication.
- Ensure that port 9090 is not used by any other application on the host.

Port 9090 must be reserved for use by SnapCenter Custom Plug-ins in addition to the other ports required by SnapCenter.

How resources, resource groups, and policies are used for protecting custom plug-in resources

Before you use SnapCenter, it is helpful to understand basic concepts related to the backup, clone, and restore operations you want to perform. You interact with resources, resource groups, and policies for different operations.

- Resources are typically databases, Windows file systems, or VMs that you back up or clone with SnapCenter.

- A SnapCenter resource group, is a collection of resources on a host or cluster.

When you perform an operation on a resource group, you perform that operation on the resources defined in the resource group according to the schedule you specify for the resource group.

You can back up on demand a single resource or a resource group. You also can perform scheduled backups for single resources and resource groups.

- The policies specify the backup frequency, copy retention, replication, scripts, and other characteristics of data protection operations.

When you create a resource group, you select one or more policies for that group. You can also select a policy when you perform a backup on demand for a single resource.

Think of a resource group as defining *what* you want to protect and when you want to protect it in terms of day and time. Think of a policy as defining *how* you want to protect it. If you are backing up all databases or backing up all file systems of a host, for example, you might create a resource group that includes all the databases or all the file systems in the host. You could then attach two policies to the resource group: a daily policy and an hourly policy. When you create the resource group and attach the policies, you might configure the resource group to perform a File-Based backup daily and another schedule that performs Snapshot based backup hourly.

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.