Upgrade the SnapCenter Server

SnapCenter Software

Soumik Das, Nirupama Sriram
June 09, 2021

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

Table of Contents

Upgrade the SnapCenter Server 1

Upgrade the SnapCenter Server

You can use the SnapCenter Server installer executable file to upgrade the SnapCenter Server.

What you will need

- The SnapCenter Server host must be up to date with Windows updates, with no pending system restarts.
- You should ensure that no other operations are running before initiating the upgrade operation.
- You should back up the SnapCenter repository (MySQL) database after ensuring that no jobs are running.

  For information, see Back up the SnapCenter repository.

- You should back up all the SnapCenter configuration files that you have modified either on the SnapCenter Server host or the plug-in host.

  Examples of SnapCenter configuration files: SnapDriveService.exe.config, SMCoreServiceHost.exe.config, and so on.

About this task

- During upgrade, the host is automatically put into maintenance mode that prevents the host from running any scheduled jobs. After upgrade, the host is automatically pulled out of maintenance mode.
- Before initiating the upgrade operation, if you have manually placed the host in maintenance mode, post upgrade you need to manually bring the host out of maintenance mode by clicking **Hosts** > **Activate Schedule**.
- Supported upgrade paths:

If you are using…	You can…
4.0.x	• Directly upgrade to 4.1.x or 4.2.x • Upgrade to 4.3.x by first upgrading to 4.1.x or 4.2.x, and then upgrade to 4.3.x • Upgrade to 4.4.x by first upgrading to 4.2.x, and then upgrade to 4.4.x • Upgrade to 4.5 by first upgrading to 4.2.x, then upgrade to 4.4.x, and then upgrade to 4.5
4.1.x	• Directly upgrade to 4.2.x or 4.3.x • Upgrade to 4.4.x by first upgrading to 4.2.x or 4.3.x, and then upgrade to 4.4.x • Upgrade to 4.5 by first upgrading to 4.3.x and then upgrade to 4.5
4.2.x	• Directly upgrade to 4.3.x or 4.4.x • Upgrade to 4.5 by first upgrading to 4.3.x or 4.4.x and then upgrade to 4.5

If you are using…	You can…
4.3.x	Directly upgrade to 4.4.x or 4.5
4.4.x	Directly upgrade to 4.5

Steps

1. Download the SnapCenter Server installation package from the NetApp Support Site.

   https://mysupport.netapp.com/site/products/all/details/snapcenter/downloads-tab

2. In the left navigation pane, click **Hosts**., and in the Managed Hosts list, select the host that you want to upgrade.
3. Create a copy of the web.config located at C:\Program Files\NetApp\SnapCenter WebApp.
4. Export the SnapCenter schedules related to plug-in host from windows task schedule so that you can use it to restore the schedules if upgrade fails.`md d:\\SCBackup``schtasks /query /xml /TN taskname >> "D:\SCBackup\taskname.xml"`
5. Create the SnapCenter MySQL database dump if the repository backup is not configured.`md d:\\SCBackup``mysqldump --all-databases --single-transaction --add-drop-database --triggers --routines --events -u root -p > D:\SCBackup\SCRepoBackup.dmp`

   When prompted, enter the password.

6. Initiate the SnapCenter Server upgrade by double-clicking the downloaded .exe file.

   After you initiate the upgrade, all the prechecks are performed, and if the minimum requirements are not met, appropriate error or warning messages are displayed. You can ignore the warning messages and proceed with the installation. However, errors should be fixed.

   SnapCenter will continue to use the existing MySQL Server repository database password provided during installation of the earlier version of SnapCenter Server.

7. Click **Upgrade**.

   At any stage if you click the **Cancel** button, the upgrade workflow will be cancelled. It will not rollback the SnapCenter Server to previous state.

   Best Practice: You should either log out and then log into SnapCenter, or close and then open a new browser to access SnapCenter GUI.

After you finish

- If the plug-in is installed using a sudo user, you should copy the sha224 keys available at *C:\ProgramData\NetApp\SnapCenter\Package Repository\oracle_checksum.txt* to update the */etc/sudoers* file.
- You should perform a fresh discovery of resources on the hosts.

  If the status of the host is displayed as stopped, you can wait for sometime and perform a fresh discovery.

You can also change the value of **HostRefreshInterval** parameter (default value is 3600 seconds) to any value more than 10 minutes.

- If the upgrade fails, you should clean up the failed installation, reinstall the earlier version of SnapCenter, and then restore the NSM database to it's previous state.
- After upgrading the SnapCenter Server host, you must also upgrade the plug-ins before adding any storage system.

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.