



# **Downloading and installing the Cisco FC RCF files**

## **ONTAP MetroCluster**

netapp-ivanad, ntap-bmegan  
April 12, 2021

This PDF was generated from [https://docs.netapp.com/us-en/ontap-metrocluster/install-fc/task\\_download\\_and\\_install\\_the\\_cisco\\_fc\\_switch\\_rcf\\_files.html](https://docs.netapp.com/us-en/ontap-metrocluster/install-fc/task_download_and_install_the_cisco_fc_switch_rcf_files.html) on May 31, 2021. Always check docs.netapp.com for the latest.

# Table of Contents

Downloading and installing the Cisco FC RCF files..... 1

# Downloading and installing the Cisco FC RCF files

You must download the RCF file to each switch in the MetroCluster fabric configuration.

This task requires file transfer software, such as FTP, Trivial File Transfer Protocol (TFTP), SFTP, or Secure Copy Protocol (SCP), to copy the files to the switches.

These steps must be repeated on each of the Cisco FC switches in the MetroCluster fabric configuration.

You must use the supported switch software version.

[NetApp Hardware Universe](#)

There are four RCF files, one for each of the four switches in the MetroCluster fabric configuration. You must use the correct RCF files for the switch model you are using.

Switch	RCF file
FC_switch_A_1	<code>NX3232_v1.80_Switch-A1.txt</code>
FC_switch_A_2	<code>NX3232_v1.80_Switch-A2.txt</code>
FC_switch_B_1	<code>NX3232_v1.80_Switch-B1.txt</code>
FC_switch_B_2	<code>NX3232_v1.80_Switch-B2.txt</code>



The outputs shown are for Cisco IP switches; however, these steps are also applicable for Cisco FC switches.

**Steps**

- 1. Download the Cisco FC RCF files.
- 2. Copy the RCF files to the switches.
  - a. Copy the RCF files to the first switch:

```
copy sftp://root@FTP-server-IP-address/tftpboot/switch-specific-RCF bootflash: vrf management
```

In this example, the `NX3232_v1.80_Switch-A1.txt` RCF file is copied from the SFTP server at `10.10.99.99` to the local bootflash. You must use the IP address of your TFTP/SFTP server and the file name of the RCF file that you need to install.

```

IP_switch_A_1# copy sftp://root@10.10.99.99/tftpboot/NX3232_v1.8T-
X1_Switch-A1.txt bootflash: vrf management
root@10.10.99.99's password: password
sftp> progress
Progress meter enabled
sftp> get /tftpboot/NX3232_v1.80_Switch-A1.txt
/bootflash/NX3232_v1.80_Switch-A1.txt
Fetching /tftpboot/NX3232_v1.80_Switch-A1.txt to
/bootflash/NX3232_v1.80_Switch-A1.txt
/tftpboot/NX3232_v1.80_Switch-A1.txt          100% 5141      5.0KB/s
00:00
sftp> exit
Copy complete, now saving to disk (please wait)...
IP_switch_A_1#

```

- b. Repeat the previous substep for each of the other three switches, being sure to copy the matching RCF file to the corresponding switch.
3. Verify on each switch that the RCF file is present in each switch's `bootflash` directory:

**dir bootflash:**

The following example shows that the files are present on IP\_switch\_A\_1:

```

IP_switch_A_1# dir bootflash:
      .
      .
      .
5514   Jun 13 22:09:05 2017  NX3232_v1.80_Switch-A1.txt
      .
      .
      .

Usage for bootflash://sup-local
 1779363840 bytes used
13238841344 bytes free
15018205184 bytes total
IP_switch_A_1#

```

4. Copy the matching RCF file from the local bootflash to the running configuration on each switch:

**copy bootflash:switch-specific-RCF.txt running-config**

5. Copy the RCF files from the running configuration to the startup configuration on each switch:

**copy running-config startup-config**

You should see output similar to the following:

```
IP_switch_A_1# copy bootflash:NX3232_v1.80_Switch-A1.txt running-config
IP_switch_A_1# copy running-config startup-config
```

6. Reload the switch: **reload**

```
IP_switch_A_1# reload
```

7. Repeat the previous steps on the other three switches in the MetroCluster IP configuration.

## 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.