



Manage configuration backups

ONTAP 9

NetApp
May 31, 2023

Table of Contents

- Manage configuration backups 1
 - How the node and cluster configurations are backed up automatically 1
 - Commands for managing configuration backup schedules 1
 - Commands for managing configuration backup files 2

Manage configuration backups

How the node and cluster configurations are backed up automatically

Three separate schedules automatically create cluster and node configuration backup files and replicate them among the nodes in the cluster.

The configuration backup files are automatically created according to the following schedules:

- Every 8 hours
- Daily
- Weekly

At each of these times, a node configuration backup file is created on each healthy node in the cluster. All of these node configuration backup files are then collected in a single cluster configuration backup file along with the replicated cluster configuration and saved on one or more nodes in the cluster.

For single-node clusters (including Data ONTAP Edge systems), you can specify the configuration backup destination during software setup. After setup, those settings can be modified using ONTAP commands.

Commands for managing configuration backup schedules

You can use the `system configuration backup settings` commands to manage configuration backup schedules.

These commands are available at the advanced privilege level.

If you want to...	Use this command...
<p>Change the settings for a configuration backup schedule:</p> <ul style="list-style-type: none">• Specify a remote URL (HTTP, HTTPS, FTP, FTPS, or TFTP) where the configuration backup files will be uploaded in addition to the default locations in the cluster• Specify a user name to be used to log in to the remote URL• Set the number of backups to keep for each configuration backup schedule	<p><code>system configuration backup settings modify</code></p> <p>When you use HTTPS in the remote URL, use the <code>-validate-certification</code> option to enable or disable digital certificate validation. Certificate validation is disabled by default.</p> <div><p>The web server to which you are uploading the configuration backup file must have PUT operations enabled for HTTP and POST operations enabled for HTTPS. For more information, see your web server's documentation.</p></div>
<p>Set the password to be used to log in to the remote URL</p>	<p><code>system configuration backup settings set-password</code></p>

If you want to...	Use this command...
View the settings for the configuration backup schedule	<pre>system configuration backup settings show</pre> <div>  <p>You set the <code>-instance</code> parameter to view the user name and the number of backups to keep for each schedule.</p> </div>

Commands for managing configuration backup files

You use the `system configuration backup` commands to manage cluster and node configuration backup files.

These commands are available at the advanced privilege level.

If you want to...	Use this command...
Create a new node or cluster configuration backup file	<pre>system configuration backup create</pre>
Copy a configuration backup file from a node to another node in the cluster	<pre>system configuration backup copy</pre>
Upload a configuration backup file from a node in the cluster to a remote URL (FTP, HTTP, HTTPS, TFTP, or FTPS)	<pre>system configuration backup upload</pre> <p>When you use HTTPS in the remote URL, use the <code>-validate-certification</code> option to enable or disable digital certificate validation. Certificate validation is disabled by default.</p> <div>  <p>The web server to which you are uploading the configuration backup file must have PUT operations enabled for HTTP and POST operations enabled for HTTPS. Some web servers might require the installation of an additional module. For more information, see your web server's documentation. Supported URL formats vary by ONTAP release. See the command line help for your ONTAP version.</p> </div>
Download a configuration backup file from a remote URL to a node in the cluster, and, if specified, validate the digital certificate	<pre>system configuration backup download</pre> <p>When you use HTTPS in the remote URL, use the <code>-validate-certification</code> option to enable or disable digital certificate validation. Certificate validation is disabled by default.</p>

If you want to...	Use this command...
Rename a configuration backup file on a node in the cluster	system configuration backup rename
View the node and cluster configuration backup files for one or more nodes in the cluster	system configuration backup show
Delete a configuration backup file on a node	<div data-bbox="820 392 1388 430">system configuration backup delete</div> <div data-bbox="850 548 902 600">  </div> <div data-bbox="966 472 1448 674"> <p>This command deletes the configuration backup file on the specified node only. If the configuration backup file also exists on other nodes in the cluster, it remains on those nodes.</p> </div>

Copyright information

Copyright © 2023 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

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.