



How GPOs are updated on the SMB server

ONTAP 9

NetApp
August 15, 2023

Table of Contents

- How GPOs are updated on the SMB server 1
 - How GPOs are updated on the CIFS server overview..... 1
 - What to do if GPO updates are failing 1

How GPOs are updated on the SMB server

How GPOs are updated on the CIFS server overview

By default, ONTAP retrieves and applies Group Policy Object (GPO) changes every 90 minutes. Security settings are refreshed every 16 hours. If you want to update GPOs to apply new GPO policy settings before ONTAP automatically updates them, you can trigger a manual update on a CIFS server with an ONTAP command.

- By default, all GPOs are verified and updated as needed every 90 minutes.

This interval is configurable and can be set using the `Refresh interval` and `Random offset` GPO settings.

ONTAP queries Active Directory for changes to GPOs. If the GPO version numbers recorded in Active Directory are higher than those on the CIFS server, ONTAP retrieves and applies the new GPOs. If the version numbers are the same, GPOs on the CIFS server are not updated.

- Security Settings GPOs are refreshed every 16 hours.

ONTAP retrieves and applies Security Settings GPOs every 16 hours, whether or not these GPOs have changed.



The 16-hour default value cannot be changed in the current ONTAP version. It is a Windows client default setting.

- All GPOs can be updated manually with an ONTAP command.

This command simulates the Windows `gpupdate.exe /force` command.

Related information

[Manually updating GPO settings on the CIFS server](#)

What to do if GPO updates are failing

Under some circumstances, Group Policy Object (GPO) updates from Windows 2012 domain controllers might fail, which leads to nothing being visible under the `Central Access Policy Settings` section of the output for the `vserver cifs group-policy show-defined` command. You should know how to correct this issue if it occurs.

Underlying cause	Remedy
<p>When ONTAP attempts to connect to the Windows 2012 domain controller to perform the GPO update, the connection might fail with the error <code>error 0xc00000bd (NT STATUS_DUPLICATE_NAME)</code>.</p> <p>This error occurs when the server name used to make the connection is different from the NetBIOS name of the CIFS server. There are various reasons this might occur, including the use of aliases. Additionally, ONTAP pads the NetBIOS name used when connecting to the domain controller to make the name length equal to 15 characters. This can make it appear that the CIFS server name and the NetBIOS name are different.</p>	<ol style="list-style-type: none"> 1. Disable NetBIOS name checking on the Windows server by adding the following registry key with the value set to 1: <p>"HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\LanmanServer\Parameters\DisableStrictNameChecking"</p> <p>To learn more about this registry key, contact Microsoft Support.</p> <p>Microsoft Support</p> 2. Reboot the domain controller.

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.