



Manage local groups

ONTAP 9

NetApp
August 11, 2023

Table of Contents

- Manage local groups 1
 - Modify local groups 1
 - Display information about local groups 1
 - Manage local group membership 2
 - Display information about members of local groups 3
 - Delete a local group 4
 - Update domain user and group names in local databases 5

Manage local groups

Modify local groups

You can modify existing local groups by changing the description for an existing local group or by renaming the group.

If you want to...	Use the command...
Modify the local group description	<code>vserver cifs users-and-groups local-group modify -vserver <i>vserver_name</i> -group-name <i>group_name</i> -description <i>text</i></code> If the description contains a space, then it must be enclosed within double quotation marks.
Rename the local group	<code>vserver cifs users-and-groups local-group rename -vserver <i>vserver_name</i> -group-name <i>group_name</i> -new-group-name <i>new_group_name</i></code>

Examples

The following example renames the local group “CIFS_SERVER\engineering” to “CIFS_SERVER\engineering_new”:

```
cluster1::> vserver cifs users-and-groups local-group rename -vserver vs1
-group-name CIFS_SERVER\engineering -new-group-name
CIFS_SERVER\engineering_new
```

The following example modifies the description of the local group “CIFS_SERVER\engineering”:

```
cluster1::> vserver cifs users-and-groups local-group modify -vserver vs1
-group-name CIFS_SERVER\engineering -description "New Description"
```

Display information about local groups

You can display a list of all local groups configured on the cluster or on a specified storage virtual machine (SVM). This information can be useful when troubleshooting file-access issues to data contained on the SVM or user-rights (privilege) issues on the SVM.

Step

1. Perform one of the following actions:

If you want information about...	Enter the command...
All local groups on the cluster	<code>vserver cifs users-and-groups local-group show</code>
All local groups on the SVM	<code>vserver cifs users-and-groups local-group show -vserver <i>vserver_name</i></code>

There are other optional parameters that you can choose when you run this command. See the man page for more information.

Example

The following example displays information about all local groups on SVM vs1:

```
cluster1::> vserver cifs users-and-groups local-group show -vserver vs1
Vserver  Group Name                Description
-----  -
vs1      BUILTIN\Administrators      Built-in Administrators group
vs1      BUILTIN\Backup Operators     Backup Operators group
vs1      BUILTIN\Power Users          Restricted administrative privileges
vs1      BUILTIN\Users                All users
vs1      CIFS_SERVER\engineering
vs1      CIFS_SERVER\sales
```

Manage local group membership

You can manage local group membership by adding and removing local or domain users, or adding and removing domain groups. This is useful if you want to control access to data based on access controls placed on the group or if you want users to have privileges associated with that group.

About this task

Guidelines for adding members to a local group:

- You cannot add users to the special *Everyone* group.
- The local group must exist before you can add a user to it.
- The user must exist before you can add the user to a local group.
- You cannot add a local group to another local group.
- To add a domain user or group to a local group, Data ONTAP must be able to resolve the name to a SID.

Guidelines for removing members from a local group:

- You cannot remove members from the special *Everyone* group.
- The group from which you want to remove a member must exist.

- ONTAP must be able to resolve the names of members that you want to remove from the group to a corresponding SID.

Step

1. Add or remove a member in a group.

If you want to...	Then use the command...
Add a member to a group	<pre>vserver cifs users-and-groups local-group add-members -vserver _vserver_name_ -group-name _group_name_ -member-names name[,...]</pre> <p>You can specify a comma-delimited list of local users, domain users, or domain groups to add to the specified local group.</p>
Remove a member from a group	<pre>vserver cifs users-and-groups local-group remove-members -vserver _vserver_name_ -group-name _group_name_ -member-names name[,...]</pre> <p>You can specify a comma-delimited list of local users, domain users, or domain groups to remove from the specified local group.</p>

The following example adds a local user “SMB_SERVER\sue” and a domain group “AD_DOM\dom_eng” to the local group “SMB_SERVER\engineering” on SVM vs1:

```
cluster1::> vserver cifs users-and-groups local-group add-members
-vserver vs1 -group-name SMB_SERVER\engineering -member-names
SMB_SERVER\sue,AD_DOMAIN\dom_eng
```

The following example removes the local users “SMB_SERVER\sue” and “SMB_SERVER\james” from the local group “SMB_SERVER\engineering” on SVM vs1:

```
cluster1::> vserver cifs users-and-groups local-group remove-members
-vserver vs1 -group-name SMB_SERVER\engineering -member-names
SMB_SERVER\sue,SMB_SERVER\james
```

Related information

[Displaying information about members of local groups](#)

Display information about members of local groups

You can display a list of all members of local groups configured on the cluster or on a specified storage virtual machine (SVM). This information can be useful when troubleshooting file-access issues or user-rights (privilege) issues.

Step

1. Perform one of the following actions:

If you want to display information about...	Enter the command...
Members of all local groups on the cluster	<code>vserver cifs users-and-groups local-group show-members</code>
Members of all local groups on the SVM	<code>vserver cifs users-and-groups local-group show-members -vserver <i>vserver_name</i></code>

Example

The following example displays information about members of all local groups on SVM vs1:

```
cluster1::> vserver cifs users-and-groups local-group show-members
-vserver vs1
Vserver    Group Name                Members
-----
vs1        BUILTIN\Administrators    CIFS_SERVER\Administrator
                                AD_DOMAIN\Domain Admins
                                AD_DOMAIN\dom_grpl
                                AD_DOMAIN\Domain Users
                                AD_DOMAIN\dom_usr1
                                CIFS_SERVER\james
                                CIFS_SERVER\engineering
```

Delete a local group

You can delete a local group from the storage virtual machine (SVM) if it is no longer needed for determining access rights to data associated with that SVM or if it is no longer needed for assigning SVM user rights (privileges) to group members.

About this task

Keep the following in mind when deleting local groups:

- The file system is not altered.
Windows Security Descriptors on files and directories that refer to this group are not adjusted.
- If the group does not exist, an error is returned.
- The special *Everyone* group cannot be deleted.
- Built-in groups such as *BUILTIN\Administrators* *BUILTIN\Users* cannot be deleted.

Steps

1. Determine the name of the local group that you want to delete by displaying the list of local groups on the SVM: `vserver cifs users-and-groups local-group show -vserver vserver_name`

2. Delete the local group: `vserver cifs users-and-groups local-group delete -vserver vserver_name -group-name group_name`
3. Verify that the group is deleted: `vserver cifs users-and-groups local-user show -vserver vserver_name`

Example

The following example deletes the local group “CIFS_SERVER\sales” associated with SVM vs1:

```
cluster1::> vserver cifs users-and-groups local-group show -vserver vs1
```

Vserver	Group Name	Description
vs1	BUILTIN\Administrators	Built-in Administrators group
vs1	BUILTIN\Backup Operators	Backup Operators group
vs1	BUILTIN\Power Users	Restricted administrative
	privileges	
vs1	BUILTIN\Users	All users
vs1	CIFS_SERVER\engineering	
vs1	CIFS_SERVER\sales	

```
cluster1::> vserver cifs users-and-groups local-group delete -vserver vs1
-group-name CIFS_SERVER\sales
```

```
cluster1::> vserver cifs users-and-groups local-group show -vserver vs1
```

Vserver	Group Name	Description
vs1	BUILTIN\Administrators	Built-in Administrators group
vs1	BUILTIN\Backup Operators	Backup Operators group
vs1	BUILTIN\Power Users	Restricted administrative
	privileges	
vs1	BUILTIN\Users	All users
vs1	CIFS_SERVER\engineering	

Update domain user and group names in local databases

You can add domain users and groups to a CIFS server’s local groups. These domain objects are registered in local databases on the cluster. If a domain object is renamed, the local databases must be manually updated.

About this task

You must specify the name of the storage virtual machine (SVM) on which you want to update domain names.

Steps

1. Set the privilege level to advanced: `set -privilege advanced`
2. Perform the appropriate action:

If you want to update domain users and groups and...	Use this command...
Display domain users and groups that successfully updated and that failed to update	<code>vserver cifs users-and-groups update-names -vserver vserver_name</code>
Display domain users and groups that successfully updated	<code>vserver cifs users-and-groups update-names -vserver vserver_name -display -failed-only false</code>
Display only the domain users and groups that fail to update	<code>vserver cifs users-and-groups update-names -vserver vserver_name -display -failed-only true</code>
Suppress all status information about updates	<code>vserver cifs users-and-groups update-names -vserver vserver_name -suppress -all-output true</code>

3. Return to the admin privilege level: `set -privilege admin`

Example

The following example updates the names of domain users and groups associated with storage virtual machine (SVM, formerly known as Vserver) vs1. For the last update, there is a dependent chain of names that needs to be updated:


```

cluster1::> set -privilege advanced
Warning: These advanced commands are potentially dangerous; use them
only when directed to do so by technical support personnel.
Do you wish to continue? (y or n): y

cluster1::*> vsserver cifs users-and-groups update-names -vsserver vs1

Vserver:          vs1
SID:              S-1-5-21-123456789-234565432-987654321-12345
Domain:          EXAMPLE1
Out-of-date Name: dom_user1
Updated Name:     dom_user2
Status:          Successfully updated

Vserver:          vs1
SID:              S-1-5-21-123456789-234565432-987654322-23456
Domain:          EXAMPLE2
Out-of-date Name: dom_user1
Updated Name:     dom_user2
Status:          Successfully updated

Vserver:          vs1
SID:              S-1-5-21-123456789-234565432-987654321-123456
Domain:          EXAMPLE1
Out-of-date Name: dom_user3
Updated Name:     dom_user4
Status:          Successfully updated; also updated SID "S-1-5-21-
123456789-234565432-987654321-123457"
                  to name "dom_user5"; also updated SID "S-1-5-21-
123456789-234565432-987654321-123458"
                  to name "dom_user6"; also updated SID "S-1-5-21-
123456789-234565432-987654321-123459"
                  to name "dom_user7"; also updated SID "S-1-5-21-
123456789-234565432-987654321-123460"
                  to name "dom_user8"

The command completed successfully. 7 Active Directory objects have been
updated.

cluster1::*> set -privilege admin

```

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.