



Manage local privileges

ONTAP 9

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Manage local privileges

Add privileges to ONTAP SMB local or domain users or groups

You can manage user rights for local or domain users or groups by adding privileges. The added privileges override the default privileges assigned to any of these objects. This provides enhanced security by allowing you to customize what privileges a user or group has.

Before you begin

The local or domain user or group to which privileges will be added must already exist.

About this task

Adding a privilege to an object overrides the default privileges for that user or group. Adding a privilege does not remove previously added privileges.

You must keep the following in mind when adding privileges to local or domain users or groups:

- You can add one or more privileges.
- When adding privileges to a domain user or group, ONTAP might validate the domain user or group by contacting the domain controller.

The command might fail if ONTAP is unable to contact the domain controller.

Steps

1. Add one or more privileges to a local or domain user or group: `vserver cifs users-and-groups privilege add-privilege -vserver _vserver_name_ -user-or-group-name name -privileges _privilege_[,...]`
2. Verify that the desired privileges are applied to the object: `vserver cifs users-and-groups privilege show -vserver vserver_name -user-or-group-name name`

Example

The following example adds the privileges “SeTcbPrivilege” and “SeTakeOwnershipPrivilege” to the user “CIFS_SERVER\sue” on storage virtual machine (SVM, formerly known as Vserver) vs1:

```
cluster1::> vserver cifs users-and-groups privilege add-privilege -vserver
vs1 -user-or-group-name CIFS_SERVER\sue -privileges
SeTcbPrivilege,SeTakeOwnershipPrivilege

cluster1::> vserver cifs users-and-groups privilege show -vserver vs1
Vserver      User or Group Name      Privileges
-----
vs1          CIFS_SERVER\sue        SeTcbPrivilege
                                   SeTakeOwnershipPrivilege
```

Remove privileges from ONTAP SMB local or domain users or groups

You can manage user rights for local or domain users or groups by removing privileges. This provides enhanced security by allowing you to customize the maximum privileges that users and groups have.

Before you begin

The local or domain user or group from which privileges will be removed must already exist.

About this task

You must keep the following in mind when removing privileges from local or domain users or groups:

- You can remove one or more privileges.
- When removing privileges from a domain user or group, ONTAP might validate the domain user or group by contacting the domain controller.

The command might fail if ONTAP is unable to contact the domain controller.

Steps

1. Remove one or more privileges from a local or domain user or group: `vserver cifs users-and-groups privilege remove-privilege -vserver _vserver_name_ -user-or-group-name _name_ -privileges _privilege_[,...]`
2. Verify that the desired privileges have been removed from the object: `vserver cifs users-and-groups privilege show -vserver vserver_name -user-or-group-name name`

Example

The following example removes the privileges “SeTcbPrivilege” and “SeTakeOwnershipPrivilege” from the user “CIFS_SERVER\sue” on storage virtual machine (SVM, formerly known as Vserver) vs1:

```
cluster1::> vserver cifs users-and-groups privilege show -vserver vs1
Vserver      User or Group Name      Privileges
-----
vs1          CIFS_SERVER\sue        SeTcbPrivilege
                                   SeTakeOwnershipPrivilege

cluster1::> vserver cifs users-and-groups privilege remove-privilege
-vserver vs1 -user-or-group-name CIFS_SERVER\sue -privileges
SeTcbPrivilege,SeTakeOwnershipPrivilege

cluster1::> vserver cifs users-and-groups privilege show -vserver vs1
Vserver      User or Group Name      Privileges
-----
vs1          CIFS_SERVER\sue        -
```

Reset privileges for ONTAP SMB local or domain users and groups

You can reset privileges for local or domain users and groups. This can be useful when you have made modifications to privileges for a local or domain user or group and those modifications are no longer wanted or needed.

About this task

Resetting privileges for a local or domain user or group removes any privilege entries for that object.

Steps

1. Reset the privileges on a local or domain user or group: `vserver cifs users-and-groups privilege reset-privilege -vserver vserver_name -user-or-group-name name`
2. Verify that the privileges are reset on the object: `vserver cifs users-and-groups privilege show -vserver vserver_name -user-or-group-name name`

Examples

The following example resets the privileges on the user “CIFS_SERVER\sue” on storage virtual machine (SVM, formerly known as Vserver) vs1. By default, normal users do not have privileges associated with their accounts:

```
cluster1::> vserver cifs users-and-groups privilege show
Vserver      User or Group Name      Privileges
-----
vs1          CIFS_SERVER\sue        SeTcbPrivilege
                                   SeTakeOwnershipPrivilege

cluster1::> vserver cifs users-and-groups privilege reset-privilege
-vserver vs1 -user-or-group-name CIFS_SERVER\sue

cluster1::> vserver cifs users-and-groups privilege show
This table is currently empty.
```

The following example resets the privileges for the group “BUILTIN\Administrators”, effectively removing the privilege entry:

```
cluster1::> vserver cifs users-and-groups privilege show
Vserver      User or Group Name      Privileges
-----
vs1          BUILTIN\Administrators  SeRestorePrivilege
                                   SeSecurityPrivilege
                                   SeTakeOwnershipPrivilege

cluster1::> vserver cifs users-and-groups privilege reset-privilege
-vserver vs1 -user-or-group-name BUILTIN\Administrators

cluster1::> vserver cifs users-and-groups privilege show
This table is currently empty.
```

Display information about ONTAP SMB privilege overrides

You can display information about custom privileges assigned to domain or local user accounts or groups. This information helps you determine whether the desired user rights are applied.

Step

1. Perform one of the following actions:

| If you want to display information about... | Enter this command... |
|--|--|
| Custom privileges for all domain and local users and groups on the storage virtual machine (SVM) | <code>vserver cifs users-and-groups privilege show -vserver <i>vserver_name</i></code> |
| Custom privileges for a specific domain or local user and group on the SVM | <code>vserver cifs users-and-groups privilege show -vserver <i>vserver_name</i> -user-or-group-name <i>name</i></code> |

There are other optional parameters that you can choose when you run this command. Learn more about `vserver cifs users-and-groups privilege show` in the [ONTAP command reference](#).

Example

The following command displays all privileges explicitly associated with local or domain users and groups for SVM vs1:

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

| Vserver | User or Group Name | Privileges |
|---------|------------------------|--|
| vs1 | BUILTIN\Administrators | SeTakeOwnershipPrivilege SeRestorePrivilege |
| vs1 | CIFS_SERVER\sue | SeTcbPrivilege SeTakeOwnershipPrivilege |

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