



Creating a Snap Creator user for Data ONTAP

Snap Creator Framework

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Creating a Snap Creator user for Data ONTAP

Prior to installing Snap Creator, you should create a Snap Creator user for Data ONTAP. The process that you follow to create the Snap Creator user depends on whether your systems are running Data ONTAP in 7-Mode or clustered Data ONTAP.

Creating a Snap Creator user for Data ONTAP operating in 7-Mode

Snap Creator uses the Data ONTAP APIs to communicate with the storage system. To ensure that the user account is granted access to only Snap Creator, create a new role, group, and user on each storage controller. The role is assigned to the group and the group contains the user. This controls the access and limits the scope of the Snap Creator account.

You must perform this procedure once for each storage controller on which Snap Creator is installed.

To create a Snap Creator user for Data ONTAP operating in 7-Mode by using the Data ONTAP CLI (SSH, console connection, or Telnet), complete the following steps.



You should not copy and paste commands directly from this document; errors might result such as incorrectly transferred characters caused by line breaks and hard returns. Copy and paste the commands from this procedure into a text editor, verify the commands, and then enter them in the CLI.

1. Create a role defining the rights required for Snap Creator on the storage system by running the following command:

```
useradmin role add rolename -a login-\*,api-snapshot-\*,api-system-\*,  
api-ems-\*,api-snapvault-\*,api-snapmirror-\*,api-volume-\*,  
api-lun-\*,api-cg-\*,api-nfs-\*,api-file-\*,api-license-\*,  
api-net-\*,api-clone-\*, api-options-get, api-wafl-sync
```



The command shown in this step includes all the API roles used by Snap Creator. However, you can restrict the user access by including only the required roles (for example, if SnapMirror will not be used, then `api-snapmirror-*` is not needed).

```
useradmin role add sc_role -a login-*,api-snapshot-*,api-system-*,api-  
ems-*,api-snapvault-*,api-snapmirror-*,api-volume-*,  
api-lun-*,api-cg-*,api-nfs-*,api-file-*,api-license-*, api-net-*, api-  
clone-*, api-options-get, api-wafl-sync
```

2. Create a new group on the storage system and assign the newly created role to the group by running the following command:

```
useradmin group add groupname -r rolename
```

```
useradmin group add snap_creator_group -r snap_creator_role
```

3. Create a user account by running the following command:

```
useradmin user add username -g groupname
```

```
useradmin user add snap_creator_user -g snap_creator_group
```

4. Enter the password for the account.

Use this restricted account when creating configuration files for Snap Creator.

Creating a Snap Creator user for clustered Data ONTAP

For clustered Data ONTAP, you should create users for Snap Creator. However, the type of user that you create depends on the version of clustered Data ONTAP. The two types of users are a cluster user and a storage virtual machine (SVM) user.

Create the following users, with the appropriate roles as defined in the *Snap Creator Framework Administration Guide*, for your version of Data ONTAP:

- Data ONTAP releases prior to clustered Data ONTAP 8.2: Create a cluster and SVM user.
- Clustered Data ONTAP 8.2 or later: Create an SVM user.

For increased security, you should create a Data ONTAP user and role specifically for Snap Creator. Alternatively, you can use other user accounts, such as admin or vsadmin.

For more information about creating a Snap Creator role using the CLI, see [Related references](#).

Both types of user require access to the Data ONTAP library. In addition, a Management LIF is also needed for clustered Data ONTAP, regardless of the version.

The two users are not interchangeable. For example, the cluster user does not have access to the required APIs to perform certain actions, such as creating a Snapshot copy. This is true even if you use the default cluster admin account. SVM accounts should use the **vsadmin** role or a customer-created role for Snap Creator to work properly.

You must perform this procedure once on each SVM and cluster where Snap Creator is used.

For ease of use, the following instructions refer to admin and vsadmin roles; however, you can replace these role names with those roles that you create.



You should not copy and paste commands directly from this document; errors (such as incorrectly transferred characters caused by line breaks and hard returns) might result. Copy and paste the commands from this procedure into a text editor, verify the commands, and then enter them in the CLI.

1. Create the SVM user `svm_username01` with the appropriate role (`vsadmin` or the role created for the user) on the `svm_nameSVM` and enable access to the ONTAPI library by entering the following command and a user password:

```
security login create -username svm_username01  
-vserver svm_name -application ontapi  
-authmethod password -role vsadmin
```

Please enter a password for user 'svm_username01':
Please enter it again:

2. *(For versions prior to clustered Data ONTAP 8.2 only)* Create a cluster user by entering the following command and a user password:

```
security login create -username svm_username02  
-vserver svm_clustername -application ontapi  
-authmethod password -role admin
```

Please enter a password for user 'svm_username02':
Please enter it again:

Related information

[CLI commands for creating a role for a Snap Creator user in clustered Data ONTAP](#)

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