Managing configuration files

Snap Creator Framework

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Managing configuration files

You can create, copy, download, list, and delete configuration files.

A configuration file is the center of Snap Creator and is composed of parameters that are set to affect the behavior of Snap Creator, such as enabling supported plug-ins to run, specifying required variables, and defining the volumes that are captured in Snapshot copies.

Creating configuration files

You can create configuration files by using the Configuration wizard.

1. From the main menu of the Snap Creator GUI, select **Management** > **Configurations**.
2. In the Profiles and Configurations pane, right-click the profile in which you want the new configuration file to be located, and then select **New Configuration**.

   The Configuration wizard opens in the right pane.

3. a. On the Configuration page, enter a name for the configuration file.

   By default, password encryption is enabled to prevent passwords from being displayed in clear text in the configuration file.

   b. On the Plug-In Type page, select the type of plug-in.

   The page that you advance to in the Configuration wizard depends on the option that you select.

Plug-in type option	Next page	Next page
Application plug-in	**Application plug-ins** Select the plug-in to configure.	**Plug-in Parameters** Provide the configuration details associated with the selected plug-in option.
Virtualization plug-in	**Virtualization plug-ins** Select the plug-in to configure.	**Plug-in Parameters** Provide the configuration details associated with the selected plug-in option.
Community plug-in	**Community plug-ins** Select the plug-in to configure.	**Plug-in Parameters** Provide the configuration details associated with the selected plug-in option.
None (if you are not using a plug-in)	**Agent Configuration**	

   For more information about plug-in parameters and configuration, see the plug-in documentation.

   c. On the Agent Configuration page, enter the configuration information for Snap Creator Agent.

   d. On the Storage Connection Settings page, select the transport type (HTTP or HTTPS).

   The standard port for the selected transport type is displayed. If the storage system uses a non-

standard port, enter the port information in the port field.

e. On the Controller/Vserver Credentials page, enter the IP address and login credentials for each storage controller, SVM that contains the volumes in this configuration file.

> You must add at least one storage controller or SVM to the configuration.

f. In the Controller/Vserver Volumes pane, select each volume that you want to include, and either drag it to the right pane or click the right arrow to move the volume to the right pane, and then click **Save**.

> If you are planning to replicate Snapshot copies to a SnapMirrror or SnapVault destination, the name of the SVM that you enter in this step must be exactly the same as the name of the SVM that you used when you created the SnapMirrror or SnapVault relationship. If you specified a fully qualified domain name when you created the relationship, you must specify a fully qualified domain name in this step, regardless of whether Snap Creator is able to find the SVM with the information that you provide. The case that you use for the name (upper case or lower case) is significant.

You can use the snapmirror show command to check the name of the SVM on the primary storage system:

```
snapmirror show -destination-path destination_SVM:destination_volume
```

where destination_SVM_name is the name of the SVM on the destination system, and destination_volume is the volume.

g. On the Controller Credentials page, verify that the controllers display the correct information.

If changes are required, select a controller, and then click **Edit**.

h. On the Snapshot Details page, provide the Snapshot copy details.

Field	Description
Snapshot copy Name	Enables you to specify the Snapshot copy name Typically, the Snapshot copy has the same name as the configuration file; however, the Snapshot copy name can reflect the data that is being backed up. + NOTE: Do not use special characters when specifying the Snapshot copy name.
Snapshot copy Label	Enables you to specify the Snapshot copy label This option is valid for clustered Data ONTAP 8.2 and later. For Data ONTAP releases prior to clustered Data ONTAP 8.2, this field will not provide any functionality.

Field	Description
Policy Type	Enables you to select the policy type There are two options: • Policy: This option enables one of the built-in policies shown in the Snapshot copy Policies area, and specifies the retention (the number of backups to be retained) • Use Policy Object: This option should be selected if a policy object has already been created.
Snapshot copy Policies	Provides the option to select the policy that is to be enabled
Prevent Snapshot copy Deletion	Enables you to determines whether to prevent the deletion of the Snapshot copy
Policy Retention Age	Enables you to specify the policy retention age
Naming Convention	Enables you to specify the naming convention (Recent or Timestamp) of backups. “Recent” is not supported for Plug-ins like SAP HANA, Vibe, and Domino. +

i. On the Snapshot Details Continued page, configure any additional settings that are applicable to your environment.

j. On the Data Protection page, select whether integration with SnapMirror or SnapVault operation is required.

   Additional information is required if either SnapMirror or SnapVault technology is selected. For SnapMirror and SnapVault technology, you must provide the storage system name and not the IP address.

k. On the DFM/OnCommand Settings page, if you want to integrate the Snap Creator configuration with NetApp OnCommand management tools, select and provide the details.

l. Review the summary, and then click **Finish**.

Creating new configuration files by downloading existing configuration files

You can create new configuration files by downloading existing files and importing them under new file names by using the Snap Creator GUI.

1. From the Snap Creator GUI main menu, select **Management** > **Configurations**.

2. From the Profiles and Configurations pane, right-click the configuration file and select **Download**.
3. Save the file as required-path/required-filename.ext.

> Remember to provide a unique name for this new file; otherwise, make sure to rename the file before it is uploaded to avoid overwriting the original configuration file.

Creating new configuration files by copying existing configuration files

Using the command-line interface (CLI), you can create a new configuration file by copying an existing configuration file, and then renaming the new file.

1. Switch to the configuration directory: `cd install_path/scServer4.3/engine/configs`
2. Copy the source configuration file: `cp source_profile_name/configuration_nametarget_profile_name/new_configuration_name`

   You must provide a name for the new configuration file.
3. Customize the new configuration file for use with the application or database that you want to manage.

Viewing a list of configuration files assigned to a profile

You can view a list of configuration files assigned to a profile.

1. From the Snap Creator GUI main menu, select **Management** > **Configurations**.
2. From the Profiles and Configurations pane, expand the content for the profile.

   The configuration files assigned to the profile are listed below the profile name.

Deleting configuration files from a profile

You can delete configuration files from a profile.

> When deleting configuration files, schedules associated with the configuration are also removed as part of the process.

1. From the Snap Creator GUI main menu, select **Management** > **Configurations**.
2. From the Profiles and Configurations pane, expand the content for the profile.

   The assigned configuration files assigned to the profile are listed below the profile name.
3. Right-click the configuration file and select **Delete**.
4. Click **Yes** in the confirmation window.

   The configuration file is removed from the list under the profile name and is permanently deleted from the Snap Creator Server.

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