



Adding commands to the backup and restore configuration

Snap Creator Framework

NetApp
April 09, 2021

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Adding commands to the backup and restore configuration

Occasionally, a backup or restore operation might need to run a command that is not available in Snap Creator. On Window hosts using FC or iSCSI, for example, you might prefer to use SnapDrive commands for backups instead of native Snap Creator commands, to ensure file system consistency at the OS level.

Where to run supplemental commands

By default, supplemental commands run on the Snap Creator Agent. You can run a supplemental command on the Server by prepending the command with the text `SERVER`, followed by a colon (:). For example, `SERVER:C:\myscript.bat`.

If you want to run a supplemental command on the Agent, you must explicitly permit the command to be executed by including it in the `allowed_commands.config` file on the Agent. There is no requirement to allow supplemental commands on the Server.

Where to add supplemental commands

You can use either the Snap Creator GUI or the Snap Creator CLI to add commands to your backup and restore configuration.



This guide shows how to use the GUI to add commands. For information on how to use the CLI, see the [Snap Creator Framework 4.1.2 Administration Guide](#).

Related information

[Allowing supplemental commands on the Snap Creator Agent](#) [Adding supplemental commands to the configuration](#)

Allowing supplemental commands on the Snap Creator Agent

If you want to run a supplemental command on the Snap Creator Agent, you must explicitly permit the command to be executed by including it in the `allowed_commands.config` file on the Agent.

`allowed_commands.config` is located in the `etc` subdirectory of the Snap Creator Agent installation directory. For example:

- On UNIX hosts, `/install/path/scAgent4.1.x/etc/allowed_commands.config`
- On Windows hosts, `C:\Program Files\NetApp\Snap_Creator_Framework\scAgent4.1.x\etc\allowed_commands.config`

To allow supplemental commands on the Agent, open `allowed_commands.config` in an editor. Enter each command on its own line, exactly as you would enter the command at a command prompt. Case is significant. Make sure to specify the fully qualified pathname. Enclose the pathname in quotation marks if it contains

spaces. For example:

```
"C:\Program Files\NetApp\SnapDrive\sdcli.exe"  
myscript.bat
```

Restart the Agent for the changes to take effect.



For security reasons, you should not use a wildcard entry (*) to allow all commands.

Adding supplemental commands to the configuration

You can add supplemental commands to your configuration after you create the configuration file. You can run the commands on the Snap Creator Server or Agent.

To run a supplemental command on the Agent, you should already have added the command to the `allowed_commands.config` file on the Agent.

By default, supplemental commands run on the Agent. You can run a supplemental command on the Server by prepending the command with the text `SERVER`, followed by a colon (:). For example, `SERVER:C:\myscript.bat`. There is no requirement to allow the command on the Server.

You can use either the Snap Creator GUI or the Snap Creator CLI to add commands to your backup and restore configuration.



This guide shows how to use the GUI to add commands. For information on how to use the CLI, see the [Snap Creator Framework 4.1.2 Administration Guide](#).

1. In the Profiles and Configurations pane, select the configuration file and click the **Commands** tab.

The following command types are available:

Command type	Description
Application Quiesce	For non-plug-in use only. Ignore this command type.
Application Un-Quiesce	For non-plug-in use only. Ignore this command type.
Pre Exit	Use this type to run commands that tell Snap Creator what to do after a fatal error.
Snapshot Copy Create	Use this type to run your own Snapshot copy create commands.



Only a subset of the supported commands are available in the GUI. For information on the APP, ARCHIVE, MOUNT/UNMOUNT, and POST commands, see the [Snap Creator Framework 4.1.2 Administration Guide](#).

2. On the **Commands** tab, scroll to the section for the command type you want to use and click **Add**.

3. Type over the text **Add Command Here** to enter the command.

To use SnapDrive for Windows to create a backup, you might enter the following in the section for the Snapshot Copy Create command type:

```
"C:\Program Files\NetApp\SnapDrive\sdcli.exe" snap create -s %SNAME-  
%SNAP_TYPE_%SNAP_TIME -D F G H
```

where:

- "C:\Program Files\NetApp\SnapDrive\sdcli.exe" is the default installation path for the SnapDrive CLI.
- %SNAME-%SNAP_TYPE_%SNAP_TIME specifies that the Snapshot copy name be formed from the configuration file name, the Snapshot policy (hourly, daily, or monthly), and the time and date the Snapshot copy was created.
- D is the switch and F G H are the mount points for the data to be backed up. TIP: To run the command on the Server, prepend the command with the text SERVER, followed by a colon (:).

4. When you are satisfied with your entry, press **Enter**.
5. Repeat steps [#STEP_3F9C83DD05D84075AD0277213FD67C56](#) through [#STEP_FBEDD7AE105F42138EB35315EA9FA7CC](#) to add another command.
6. Click **Save** in the Configuration Content pane to save your changes.

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