



# **Guidelines for using the Snap Creator command-line interface**

## **Snap Creator Framework**

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# Table of Contents

- Guidelines for using the Snap Creator command-line interface. . . . . 1
  - Snap Creator CLI commands for workflow actions . . . . . 2
  - Commands used to manage Snap Creator user access . . . . . 29

# Guidelines for using the Snap Creator command-line interface

Snap Creator provides command-line functionality that enables you to perform various actions without using the graphical user interface (GUI). For instance, you can create a backup, clone a volume or LUN, and import configuration files from the command-line interface (CLI).

To view a comprehensive list of all the commands and associated parameters, you should execute Snap Creator at the command prompt with no arguments: `/install_path/scServer/snapcreator`

```
[root@lyon scServer4.3.0]# ./snapcreator
```

```
Usage: ./snapcreator --server <IP> --port <Port> --user <User> --passwd  
<Passwd> --profile <Profile> --config <Config> --action <Action> --policy  
<Policy> <Optional Arguments>
```

## Connection Information

<code>--server &lt;IP Hostname&gt;</code>	The IP address or hostname of the Snap Creator server
<code>--port &lt;number&gt;</code>	The port number of the Snap Creator server
<code>--user &lt;user&gt;</code>	The username used for Snap Creator server authentication
<code>--passwd &lt;password&gt;</code>	The password used for Snap Creator server authentication

## Configuration Information

<code>--profile &lt;Profile&gt;</code>	The profile you want to run Profiles are dir's located under configs dir Uses default config, unless --config is specified
<code>list</code>	Displays all configurations known to Snap Creator

## Workflow Actions

<code>--action &lt;Action&gt;</code>	The action you want Snap Creator to perform
<code>backup</code>	Takes a backup using NetApp storage technology
<code>ossv</code>	Uses OSSV to perform the backup, no primary backup is taken
<code>cloneLun</code>	In addition to backup will clones lun(s) using lun clone
<code>cloneVol</code>	In addition to backup will clones volume using vol clone
<code>cloneDel</code>	Deletes vol clones outside of normal workflow
<code>clone</code>	Performs a plug-in driven clone operation

restore given  volume restore	Enters an interactive restore menu for a  Snap Creator policy, you can choose a file or
backupDel a given	Enters an interactive backup delete menu for
backupList	Snap Creator policy
volumeList	Lists all backups under Snap Creator control
cloneList	Lists all volumes under Snap Creator control
control	Lists all volume clones under Snap Creator
dpstatus	Shows the snapvault/snapmirror status
pmsetup	Creates a Protection Manager DataSet for
given config	
arch	Does not take backup, only performs archive log management
quiesce	Does not take backup, only performs quiesce for given application defined in
APP_NAME	
unquiesce	Does not take backup, only performs unquiesce for given application defined in
APP_NAME	
discover	Does not take backup, only performs discover for given application defined in
APP_NAME	
mount	Clone an existing backup and provide optional
mount commands	
umount	Clone an existing backup and provide optional
umount commands	
scdump	Dumps logs, configs, and support information
for a given profile	
Snap Creator root directory	in a zip file called scdump located under
custom	A plug-in may define a custom action
dispatch	Executes any Snap Creator workflow that
exists	
...	

If the incorrect username or password is provided when using the Snap Creator CLI, the following error message is displayed: 403 Forbidden ----- The username and password are not correct

## Snap Creator CLI commands for workflow actions

You can use command-line interface (CLI) commands to perform various Snap Creator

workflow actions that are based on the graphical user interface (GUI).

The following table provides the CLI commands for performing Snap Creator GUI-based workflow actions:

Workflow area	Action/description	Command and associated parameters
Backups	Create a backup copy. Performs a backup operation based on the configuration file associated with the profile.	<pre>snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action backup --policy Policy --verbose</pre>
	Create an Open Systems SnapVault backup. Performs a backup operation using Open Systems SnapVault. This requires Snap Creator Agent. Snap Creator Server communicates with Snap Creator Agent and performs a SnapVault update. No primary backup copy is made.	<pre>snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action ossv --policy Policy --verbose</pre>
	Delete a backup copy (manually). Manually deletes an existing backup. This operation is menu-driven.	<pre>snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action backupDel --policy Policy --verbose</pre>

Workflow area	Action/description	Command and associated parameters
	Delete a backup copy (automatically).	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action backupDel --policy Policy --verbose --nonInteractive --cntName controller --volName volume --backupName name </pre>
	List backup copies. Lists the Snap Creator backup copies on the primary and secondary storage systems.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action backupList --policy Policy --verbose </pre>
	Mount a backup copy. Performs the mount operation on an existing backup. Creates a volume clone based on the backup, and enables the mounting of the clone through Snap Creator Agent using the MOUNT_CMD command.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action mount --backupName name --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Unmount a backup copy. Performs the unmount operation on an existing backup. Deletes a volume clone based on the backup, and enables the unmounting of the clone through Snap Creator Agent using the UMOUNT_CMDs command.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action umount --backupName name --verbose </pre>
Backup types	Create a new backup type.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action backupTypeAdd --backupTypeName name --verbose </pre>
	Update an existing backup type.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action backupTypeUpdate --backupTypeId 1 --backupTypeName name --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Delete an existing backup type.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action backupTypeDelete --backupTypeId 1 --verbose </pre>
	List the backup types.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action backupTypeList --verbose </pre>
Clones	Clone a LUN. Backs up the primary storage system and then clones the backup using a LUN clone. The volume mapping of igroups is also handled. This requires a SAN or iSAN environment.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action cloneLun --policy Policy --verbose </pre>



Workflow area	Action/description	Command and associated parameters
	Clone a volume. Backs up the primary storage system and then clones the backup using a volume clone. The volume mapping of igroups, NFS, or CIFS is also handled. This requires a SAN, iSAN, or NAS environment.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action cloneVol --policy Policy --verbose </pre>
	Delete a clone. Performs a clone deletion operation based on the specified retention policy. Only one copy of the LUN clone is retained. Volume clones have policy-associated usage.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action cloneDel --policy Policy --verbose </pre>
	List Snap Creator clones. Lists the Snap Creator volume clones for the given configuration.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action cloneList --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	List Snap Creator volumes. Lists the Snap Creator volumes for the specified configuration on the primary storage system.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action volumeList --verbose </pre>
Configuration files	Import a configuration.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action configImport --importFile file_path --verbose </pre>
	Export a configuration.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action configExport --exportFile file_path --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Import a global configuration file.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action globalImport --importFile file_path --verbose </pre>
	Export a global configuration file.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action globalExport --ExportFile file_path --verbose </pre>
	Delete a global configuration file from the repository.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action globalDelete --verbose </pre>
	Import a global configuration file for a particular profile to the repository.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileglobalImport --importFile file_path --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Export a global configuration file for a particular profile from the repository.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileglobalExport --exportFile file_path --verbose </pre>
	Delete a global configuration for a particular profile from the repository.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileglobalDelete --verbose </pre>
	Upgrade older configuration files in a profile. Adds newly introduced parameters to older configuration files. Before executing this command, all old configuration files must be copied to the scServer/engine/configs folder along with the profile folder.	<pre> snapcreator --server IP --port port --user userid --passwd password --upgradeConfigs --profile profile_name --verbose </pre>
Jobs	List all jobs and their status.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action jobStatus --verbose </pre>

Workflow area	Action/description	Command and associated parameters
Policy	Add a new local policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyAdd --schedId 1 --backupTypeId 1 --policyType local --policyName testPolicy --primaryCount 7 --primaryAge 0 --verbose </pre>
	Add a new SnapMirror policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyAdd --schedId 1 --backupTypeId 1 --policyType snapmirror --policyName testPolicy --primaryCount 7 --primaryAge 0 --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Add a new SnapVault policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyAdd --schedId 1 --backupTypeId 1 --policyType snapvault --policyName testPolicy --primaryCount 7 --primaryAge 0 --secondaryCount 30 --secondaryAge 0 --verbose </pre>
	Update a SnapMirror policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyUpdate --policyId 1 --schedId 1 --backupTypeId 1 --policyType snapmirror --policyName testPolicy --primaryCount 7 --primaryAge 0 --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Update a SnapVault policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyUpdate --policyId 1 --schedId 1 --backupTypeId 1 --policyType snapvault --policyName testPolicy --primaryCount 7 --primaryAge 0 --secondaryCount 30 --secondaryAge 0 --verbose </pre>
	Delete a policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyDelete --policyId 1 --verbose </pre>
	List all policies.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyList --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Show additional details for a particular policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policyDetails --policyId 1 --verbose </pre>
	Assign policies to a profile.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action policyAssignToProfile --policies testPolicy --verbose </pre>
	Undo the assignment of policies for a profile.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action policyUnassignFromProfile --verbose </pre>
	List all policies assigned to a profile.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action policyListForProfile --verbose </pre>



Workflow area	Action/description	Command and associated parameters
Policy schedules	Create an hourly policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedAdd --schedName HourlyBackup --schedFreqId 2 --schedActionId 1 --schedMin minute --schedActive true --verbose </pre>
	Create a daily policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedAdd --schedName DailyBackup --schedFreqId 3 --schedActionId 1 --schedHour hour --schedMin minute --schedActive true --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Create a weekly policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedAdd --schedName WeeklyBackup --schedFreqId 4 --schedActionId 1 --schedDayOfWeek day_of_week --schedHour hour --schedMin minute --schedActive true --verbose </pre>
	Create a cron policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedAdd --schedName CronBackup --schedFreqId 5 --schedActionId 1 --schedCron '0 0/5 14,18 * * ?' --schedActive true --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Update an hourly policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedUpdate --schedId 1 --schedName HourlyBackup --schedFreqId 2 --schedActionId 1 --schedMin minute --schedActive true --verbose </pre>
	Update a daily policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedUpdate --schedId 1 --schedName DailyBackup --schedFreqId 3 --schedActionId 1 --schedHour hour --schedMin minute --schedActive true --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Update a weekly policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedUpdate --schedId 1 --schedName WeeklyBackup --schedFreqId 4 --schedActionId 1 --schedDayOfWeek day_of_week --schedHour hour --schedMin minute --schedActive true --verbose </pre>
	Update a cron policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedUpdate --schedId 1 --schedName CronBackup --schedFreqId 5 --schedActionId 1 --schedCron '0 0/5 14,18 * * ?' --schedActive true --verbose </pre>
	Delete a policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedDelete --schedId 1 --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	List policy schedules.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedList --verbose </pre>
	Show additional information about a policy schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action policySchedDetails --schedId 1 --verbose </pre>
Profiles	Create a new profile.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileCreate --verbose </pre>
	Delete a profile. <b>Note:</b> The configuration files in the profile are also deleted.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileDelete --verbose </pre>

Workflow area	Action/description	Command and associated parameters
Restore	Perform interactive restore. Performs an interactive file restore operation or an interactive volume restore operation for a given policy.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action restore --policy Policy --verbose </pre>
	Perform non-interactive volume restore. Performs a non-interactive volume restore.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action restore --policy Policy --verbose --nonInteractive --cntName controller --volName volume --backupName name </pre>

Workflow area	Action/description	Command and associated parameters
	Perform non-interactive file restore. Performs a non-interactive file restore.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action restore --policy Policy --verbose --nonInteractive --cntName controller --volName volume --backupName name --fileNames file_path1,file_path2,etc. </pre>
Schedules	Create a new hourly schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedCreate --policy Policy --schedName HourlyBackup --schedFreqId 2 --schedActionId 1 --schedMin minute --schedActive true --schedStartDate date --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Create a new daily schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedCreate --policy Policy --schedName DailyBackup --schedFreqId 3 --schedActionId 1 --schedHour hour --schedMin minute --schedActive true --schedStartDate date --verbose </pre>
	Create a new weekly schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedCreate --policy Policy --schedName WeeklyBackup --schedFreqId 4 --schedActionId 1 --schedDayOfWeek day_of_week --schedHour hour --schedMin minute --schedActive true --schedStartDate date --verbose </pre>



Workflow area	Action/description	Command and associated parameters
	Create a new cron schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedCreate --policy Policy --schedName CronBackup --schedFreqId 5 --schedActionId 1 --schedCron "0 0/5 14,18 * * ?" --schedActive true --schedStartDate date --verbose </pre>
	Run a schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedRun --schedId 1 --verbose </pre>
	Delete a schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedDelete --schedId 10 --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Update an hourly schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedUpdate --policy Policy --schedName HourlyBackup --schedFreqId 2 --schedId 1 --schedActionId 1 --schedMin minute --schedActive true --schedStartDate date --verbose </pre>
	Update a daily schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedUpdate --policy Policy --schedName DailyBackup --schedFreqId 3 --schedId 1 --schedActionId 1 --schedHour hour --schedMin minute --schedActive true --schedStartDate date --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	Update a weekly schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedUpdate --policy Policy --schedName WeeklyBackup --schedFreqId 4 --schedId 1 --schedActionId 1 --schedDayOfWeek day_of_week --schedHour hour --schedMin minute --schedActive true --schedStartDate date --verbose </pre>
	Update a cron schedule.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action schedUpdate --policy Policy --schedName CronBackup --schedFreqId 5 --schedId 1 --schedActionId 1 --schedCron "0 0/5 14,18 * * ?" --schedActive true --schedStartDate date --verbose </pre>

Workflow area	Action/description	Command and associated parameters
	List all schedules.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedList --verbose </pre>
	List supported scheduler actions.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedActionList --verbose </pre>
	List supported scheduler frequencies.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedFreqList --verbose </pre>
	Show additional details for a schedule ID.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action schedDetails --schedId 1 --verbose </pre>

Workflow area	Action/description	Command and associated parameters
scdump	Create an scdump file.Dumps logs, configuration files, and support information about a particular profile in a .zip file called scdump located under the Snap Creator root directory.	<pre> snapcreator --server IP --port Port --user User --passwd Password -- profile Profile --config Config --action scdump --policy Policy --verbose </pre>
Snap Creator Server and Agent	List the status for all agents known to the Snap Creator Server.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action agentStatus --verbose </pre>
	Ping a Snap Creator Server.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action pingServer --verbose </pre>
	Ping a Snap Creator Agent.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action pingAgent --agentName host_name --agentPort port --verbose </pre>

Workflow area	Action/description	Command and associated parameters
Archive	Perform archive log management according to the settings in the configuration file. This operation requires Snap Creator Agent.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action arch --verbose </pre>
Data protection capability	Configure the NetApp Management Console data protection capability dataset for a given configuration.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action pmsetup --verbose </pre>
	Show the data protection status of the SnapVault and SnapMirror relationship for a controller. If SnapVault or SnapMirror is not configured, the results are not displayed.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action dpstatus --verbose </pre>

Workflow area	Action/description	Command and associated parameters
Quiesce/unquiesce	Perform the quiesce operation for a given application. This operation requires Snap Creator Agent.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action quiesce --verbose </pre>
	Perform the unquiesce operation for a given application. This operation requires Snap Creator Agent.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action unquiesce --verbose </pre>
Discover	Perform discovery for a given application. This operation requires Snap Creator Agent.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --config Config --action discover --verbose </pre>

## Commands used to manage Snap Creator user access

You can perform Snap Creator RBAC actions using CLI commands.

The following table provides the command-line equivalent for Snap Creator GUI-based RBAC actions:

RBAC area	Action	Command and associated parameters
Users	Create a new user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action userAdd --username user_name --userPwd user_passwd --verbose </pre>
	Delete a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action userDelete --username user_name --verbose </pre>
	List all users	<pre> snapcreator --server IP --port Port --user User --passwd Password --action userList --verbose </pre>
	List all assigned users for a role	<pre> snapcreator --server IP --port Port --user User --passwd Password --action userListAssigned --roleName role_name --verbose </pre>



RBAC area	Action	Command and associated parameters
	List all users who are assigned a profile	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action userListForProfile --verbose </pre>
Roles	Create a new role	<pre> snapcreator --server IP --port Port --user User --passwd Password --action roleAdd --roleName role_name --roleDesc role_description --verbose </pre>
	Delete a role	<pre> snapcreator --server IP --port Port --user User --passwd Password --action roleDelete --roleName role_name --verbose </pre>

RBAC area	Action	Command and associated parameters
	Assign a role to a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action roleAssign --userName user_name --roleName role_name --verbose </pre>
	Unassign a role from a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action roleUnassign --userName user_name --roleName role_name --verbose </pre>
	List all assigned roles for a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action roleListAssigned --userName user_name --verbose </pre>

RBAC area	Action	Command and associated parameters
Permissions	Create a new permission	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permAdd --permName permission_name --permDesc permission_descriptio n --verbose </pre>
	Delete a permission	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permDelete --permName permission_name --verbose </pre>
	Assign a permission to a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permAssign --permName permission_name --roleName role_name --verbose </pre>

RBAC area	Action	Command and associated parameters
	Unassign a permission from a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permUnaspermission_name --permName --roleName role_name --verbose </pre>
	List all permissions	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permList --verbose </pre>
	List all permissions assigned to a role	<pre> snapcreator --server IP --port Port --user User --passwd Password --action permListAssigned --roleName role_name --verbose </pre>

RBAC area	Action	Command and associated parameters
Operations	Assign an operation to a permission	<pre> snapcreator --server IP --port Port --user User --passwd Password --action opAssign --opName operation_name --permName permission_name --verbose </pre>
	Unassign an operation from a permission.	<pre> snapcreator --server IP --port Port --user User --passwd Password --action opUnassign --opName operation_name --permName permission_name --verbose </pre>
	List all operations	<pre> snapcreator --server IP --port Port --user User --passwd Password --action opList --verbose </pre>

RBAC area	Action	Command and associated parameters
	List all operations assigned to a permission	<pre> snapcreator --server IP --port Port --user User --passwd Password --action opListAssigned --permName permission_name --verbose </pre>
Profiles	Assign a profile to a user.	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileAssign --userName user_name --verbose </pre>
	Unassign a profile from a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --profile Profile --action profileUnassign --userName user_name --verbose </pre>

RBAC area	Action	Command and associated parameters
	List all profiles assigned to a user	<pre> snapcreator --server IP --port Port --user User --passwd Password --action profileListForUser --userName user_name --verbose </pre>

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