

Mobile Policy Executive Commands

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aaa Authentication

Configures the aaa-based user management parameters.

Command Modes

Exec

Syntax Description

aaa authentication users user admin change-password { old-password *old_password* **| new-password** *new_password* **| confirm-password** *new_password* **}**

old-password *old_password*

Specify the old password.

Must be a string.

new-password *new_password*

Specify the new password.

Must be a string.

confirm-password *new_password*

Confirm the new password.

Must be a string.

Usage Guidelines

Use this command to configure the aaa-based user management parameters.

cd

Changes the current working directory.

Command Modes Exec

Syntax Description **cd** *directory*.**ssh**

directory

Specify the directory name.

Must be a string.

Usage Guidelines Use this command to change the current working directory.

cdl clear sessions filter

Clears the Cisco Data Layer (CDL) datastore sessions based on the filter criteria.

Command Modes Exec

Syntax Description **cdl clear sessions filter { condition { ends-with | match | starts-with } | key** *key_value***}**

condition { ends-with | match | starts-with }

Specify the query expression.

key *key_value*

Specify the key value.

Usage Guidelines Use this command to clear CDL sessions based on the filter criteria.

cdl show indexes

Displays the indexes of the database from the datastore

Command Modes Exec

Syntax Description **cdl show indexes { db-name** *database* **| key** *key_value* **| limit** *maximum_indexes* **| map-id** *map_id* **| slice-name** *slice_name* **}**

db-name *database_name*

Specify to database name to be queried.

Must be a string.

key *key_value*

Specify to query value.

limit *maximum_indexes*

Specify the maximum number of indexes to be displayed.

Default value is 500.

map-id *map_id*

Specify the map-id to clear the data for a map.

Must be an integer.

slice-name *slice_name*

Specify the slice name to be queried.

Usage Guidelines Use this command to display the database indexes.

cdl show sessions

Displays the session data from the datastore.

Command Modes Exec

Syntax Description **`cdl show sessions {`** *`count`* **`|`** *`detailed`* **`|`** *`summary`* **`}`**

count

Specify to display the session count information.

Must be a string.

detailed

Specify to display the session details with data.

Must be a string.

summary

Specify to display the session details without data.

Must be a string.

Usage Guidelines Use this command to display the session data from the datastore.

cdl show status

Displays the status of the database from the datastore

Command Modes Exec

Syntax Description **cdl show status db-name** *database_name*

db-name *database_name*

Specify to display the status of the database.

Must be a string.

Usage Guidelines Use this command to display the status of the database from the datastore.

show subscriber

Displays subscriber session information.

Command Modes Exec

Syntax Description **show subscriber [imsi** *imsi* **| msisdn** *msisdn* **]**

imsi *imsi*

Specify the IMSI.

Must be a string.

msisdn *msisdn*

Specify the MSISDN.

Must be a string.

Usage Guidelines Use this command to view subscriber session information.

commit abort

Aborts the commit operation associated to the persist-ID.

Command Modes Exec

Syntax Description **commit { abort persist-id** *persist_id* **}**

abort persist-id *persist_id*

Specify to abort commit. Specify the persist-ID.

Must be an integer.

Usage Guidelines Use this command to abort the commit operation.

commit persist-id

Displays the commits associated to the persist-id.

Command Modes Exec

Syntax Description **commit persist-id** *persist_id*

persist-id *persist_id*

Specify to confirm the commit operation relevant to the persist-id.

Must be an integer.

Usage Guidelines Use this command to display the commits associated to the persist-id.

compare

Compares running configuration to another configuration or a file.

Command Modes Exec

Syntax Description **compare file {** *filename* **[.kube | .ssh] |** *another_configuration* **}**

***filename* [.kube | .ssh] |**

Specify the file name.

Must be a string.

another_configuration

another_configuration

Specify the configuration to be compared against.

Must be a string.

Usage Guidelines Use this command to configure the file that must be compared.

config exclusive

Manipulates the software configuration information to enter the exclusive configuration mode.

Command Modes Exec

Syntax Description **config exclusive [no-confirm]**

exclusive

Specify to enter the exclusive configuration mode.

no-confirm

Specify to apply the command without asking for confirmation.

Usage Guidelines Use this command to manipulate the software configuration information to enter the exclusive configuration mode.

config shared

Manipulates the software configuration information to enter the shared configuration mode.

Command Modes Exec

Syntax Description `config shared [ no-confirm ]`

shared

Specify to enter the shared configuration mode.

no-confirm

Specify to apply the command without asking for confirmation.

Usage Guidelines Use this command to manipulate the software configuration information to enter the shared configuration mode.

config terminal

Manipulates the software configuration information to enter the terminal configuration mode.

Command Modes Exec

Syntax Description `config terminal [ no-confirm ]`

terminal

Specify to enter the terminal configuration mode.

no-confirm

Specify to apply the command without asking for confirmation.

Usage Guidelines Use this command to manipulate the software configuration information to enter the terminal configuration mode.

deployment add config

Configures the deployment parameters such as the list of cluster-name, and external IP and port number of the unified-api service.

Command Modes Exec

Syntax Description **`deployment add config { cluster-name`** *`cluster_name`* **`| port`** *`port_number`* **`| unified-api-external-ip`** *`external_ip`* **`}`**

cluster-name *cluster_name*

Specify the cluster name.

Must be a string.

port *port_number*

Specify the port number of the unified-api service.

Must be an address.

unified-api-external-ip *external_ip*

Specify the external IP of the unified-api service.

Must be an address.

Usage Guidelines Use this command to configure the deployment parameters such as the list of cluster-name, and external IP and port number of the unified-api service.

deployment remove-config

Removes the deployment configuration file.

Command Modes Exec

Syntax Description **`deployment remove-config`**

remove-config

Specify to remove the configuration file.

Must be a string.

Usage Guidelines Use this command to remove the deployment configuration file.

deployment show-config

Displays the deployment environment parameters.

Command Modes Exec

Syntax Description **`deployment show-config`**

show-config

Specify to display the deployment parameters.

Must be a string.

Usage Guidelines Use this command to display the deployment environment parameters.

describe

Displays the command information.

Command Modes Exec

Syntax Description **`describe`** *`command`*

command

Specify the command name.

Must be a string.

Usage Guidelines Use this command to view command information.

exit

Exits the current configuration mode and returns to the parent configuration mode.

Command Modes Exec

Syntax Description **`exit`**

Usage Guidelines Use this command to exit the current configuration mode and return to the parent configuration mode. When used in the Exec mode, exits the session.

help

Displays help information for specified command.

Command Modes Exec

Syntax Description **`help`** *`command`*

command

Specify the command name to display help information..

Must be a string.

Usage Guidelines Use this command to view help information for a specified command.

history

Configures the command history cache size.

Command Modes Exec

Syntax Description **history** *history_size*

history_size

Specify the command history cache size.

Must be an integer.

Usage Guidelines Use this command to configure the command history cache size.

id

Displays user ID information.

Command Modes Exec

Syntax Description **id**

Usage Guidelines Use this command to view user ID information.

idle-timeout

Configures the maximum duration a command can remain idle in seconds after which the system automatically terminates the command.

Command Modes Exec

Syntax Description **idle-timeout** *idle_timeout*

idle_timeout

Specify the idle timeout duration in seconds.

Usage Guidelines Use this command to configure the maximum duration a command can remain idle.

ignore-leading-space

Configures whether to ignore or consider leading whitespace at the beginning of a command.

Command Modes Exec

Syntax Description `ignore-leading-space { false | true }`

ignore-leading-space { false | true }

Specify false to ignore leading whitespace, and true to consider it.

Must be either "false" or "true".

Usage Guidelines Use this command to configure whether to ignore or consider leading whitespace at the beginning of a command.

job

Suspends the jobs that are running in the background.

Command Modes Exec

Syntax Description `job stop job_id`

job_id

Specify the job ID.

Must be an integer.

Usage Guidelines Use this command to suspend the jobs that are running in the background.

leaf-prompting

Enables or disables automatically querying for leaf values.

Command Modes Exec

Syntax Description `leaf-prompting { false | true }`

leaf-prompting { false | true }

Specify false to disable leaf prompting, true to enable.

Must be either "false" or "true".

Usage Guidelines Use this command to automatically query for leaf values.

logout session

Logs out a specific session.

Command Modes Exec

Syntax Description **`logout session`** *`session`*

session *session*

Specify the session from the possible completion options.

Must be a string.

Usage Guidelines Use this command to log out of a specific session.

logout user

Logs out a specific user from all sessions.

Command Modes Exec

Syntax Description **`logout user`** *`user`*

user *user*

Specify the user from the possible completion options.

Must be a string.

Usage Guidelines Use this command to log out a specific user from all the sessions.

no

Restores the command history cache size to its default setting. See the history command.

Command Modes Exec

Syntax Description **`no history`**

Usage Guidelines Use this command to configure the command history cache size to its default setting. Refer to the history command.

paginate

Configures whether or not to paginate CLI command output.

Command Modes Exec

Syntax Description `paginate { true | false }`

paginate { true | false }

Specify false to disable paginating CLI command output, and true to enable.

Must be either "false" or "true".

Usage Guidelines Use this command to paginate the command output.

quit

Exits the management session.

Command Modes Exec

Syntax Description `quit`

Usage Guidelines Use this command to exit the management session.

screen-length

Configures the number of rows of text that the terminal screen displays.

Command Modes Exec

Syntax Description `screen-length` *number_of_rows*

number_of_rows

Specify the number of rows.

Must be an integer.

Usage Guidelines Use this command to configure the number of rows that the terminal screen displays.

screen-width

Configures the number of columns that the terminal screen displays.

Command Modes Exec

Syntax Description `screen-width` *number_of_columns*

number_of_columns

Specify the number of columns.

Must be an integer.

Usage Guidelines Use this command to configure the number of columns that the terminal screen displays.

send

Sends messages to the terminal of a specific user or all users.

Command Modes Exec

Syntax Description **send** *user message*

user

Specify the user to whom the message must be sent.

Must be a string. Select from the possible completions options.

message

Specify the message that must be sent.

Must be a string.

Usage Guidelines Use this command to send messages to the terminal of a specific user or to all users.

show

Displays the system information.

Command Modes Exec

Syntax Description **show** *system_component*

system_component

Specify the component to view the information.

Must be a string. Select from the possible completion options.

Usage Guidelines Use this command to view the system information.

show-defaults

Configures whether to display default values when showing the configuration.

Command Modes Exec

Syntax Description **show-defaults { false | true }**

show-defaults { false | true }

Specify whether to display or hide default values. To hide select false, to display select true.

Must be either "false" or "true".

Usage Guidelines Use this command to view default values when viewing the configuration commands.

smiuser add-group

Configures the SMI group parameters.

Command Modes Exec

Syntax Description **smiuser add-group groupname** *group_name*

groupname *group_name*

Specify the group name in PAM.

Must be a string.

Usage Guidelines Use this command to configure the SMI group parameters.

smiuser add-user

Configures the SMI user account parameters.

Command Modes Exec

Syntax Description **smiuser add-user username** *username* **password** *password*

username *username*

Specify the username.

Must be a string.

password *password*

Specify the user password.

Must be a string.

Usage Guidelines Use this command to configure the smiuser parameters.

smiuser assign-user-group

Assigns the SMI user group.

Command Modes Exec

Syntax Description **smiuser assign-user-group groupname** *group_name* **username** *username*

username *username*

Specify the user name in PAM.

Must be a string.

groupname *group_name*

Specify the group name in PAM.

Must be a string.

Usage Guidelines Use this command to assign the SMI user group.

smiuser change-password

Allows resetting the SMI password.

Command Modes Exec

Syntax Description **smiuser change-password { username** *username* **| current_password** *current_password* **| new_password** *new_password* **| confirm_password** *new_password* **| password_expire_days** *expire_days* **}**

username *username*

Specify the username.

Must be a string.

current_password *current_password*

Specify the current password.

Must be a string.

new_password *new_password*

Specify the new password.

Must be a string.

confirm_password *new_password*

Confirm the new password.

Must be a string.

password_expire_days *expire_days*

Specify the number of days before password expires.

Must be an integer.

Usage Guidelines Use this command to reset the SMI password.

smiuser change-self-password

Resets the SMI user accounts self-password.

Command Modes Exec

Syntax Description **smiuser change-self-password { current_password** *current_password* **| new_password** *new_password* **| confirm_password** *new_password* **| password_expire_days** *expire_days* **}**

current_password *current_password*

Specify the current password.

Must be a string.

new_password *new_password*

Specify the new password.

Must be a string.

confirm_password *new_password*

Confirm the new password.

Must be a string.

password_expire_days *expire_days*

Specify the number of days before which the password expires.

Must be an integer.

Usage Guidelines Use this command to reset the SMI user accounts self-password.

smiuser delete-group

Deletes the SMI group.

Command Modes Exec

Syntax Description **smiuser delete-group groupname** *group_name*

groupname *group_name*

Specify the group name.

Must be a string.

Usage Guidelines Use this command to delete the SMI user group.

smiuser delete-user

Deletes the SMI user.

Command Modes Exec

Syntax Description **smiuser delete-user username** *username*

username *username*

Specify the username.

Must be a string.

Usage Guidelines Use this command to delete the SMI user.

smiuser show-user

Displays the SMI user details.

Command Modes Exec

Syntax Description **smiuser show-user username** *username*

username *username*

Specify the username.

Must be a string.

Usage Guidelines Use this command to display the SMI user details.

smiuser unassign-user-group

Configures the SMI user's unassign user group.

Command Modes Exec

Syntax Description **smiuser unassign-user-group groupname** *groupname_pam* **username** *username_pam*

groupname *groupname_pam*

Specify the groupname in PAM.

Must be a string.

username *username_pam*

Specify the username in PAM.

Must be a string.

Usage Guidelines Use this command to configure the SMI user's unassign user group.

smiuser update-password-length

Configures the minimum password length.

Command Modes Exec

Syntax Description **`smiuser update-password-length length`** *`password_length`*

length *password_length*

Specify the minimum password length.

Must be an integer.

Usage Guidelines Use this command to configure the minimum password length.

subscriber

Configures the subscriber parameters.

Command Modes Exec

Syntax Description **`subscriber session [ imsi`** *`imsi_value`* **`| msisdn`** *`msisdn_value`* **`]`**

imsi *imsi_value*

Specify the IMSI value.

Must be an integer.

msisdn *msisdn_value*

Specify the MSISDN value.

Must be an integer.

Usage Guidelines Use this command to configure the subscriber parameters.

system ops-center

Suspends the ops center diagnostics synching process.

Command Modes Exec

Syntax Description `system ops-center stop`

ops-center stop

Specify to stop the synching process.

Must be a string.

Usage Guidelines Use this command to suspend the ops center diagnostics synching process.

system sync

Configures automatic synching.

Command Modes Exec

Syntax Description `system ops-center stop`

synch { start | stop }

Specify to start or stop the synching process.

Must be either "start" or "stop".

Usage Guidelines Use this command to configure automatic synching.

system uuid-override

Enforce the UUID to a new value.

Command Modes Exec

Syntax Description `system uuid-override new-uuid` *`uid`*

new-uuid *uid*

Specify the ID Token to register the agent with.

Must be a string.

Usage Guidelines Use this command to enforce the UUID to a new value.

system-failover command

Use the `system-failover` command hierarchy to configure automatic site failover in CPC and to display receiver status.

The feature is disabled by default. When enabled, CPC renders a three-replica webhook receiver. The four identity and credential settings are mandatory. Advanced tuning settings have defaults and do not normally require changes.

Command mode

Configuration commands: Global Configuration mode.

Status command: Exec mode.

Syntax

```
system-failover enable true|false
system-failover alert-name-prefix <prefix>
system-failover ops-center-user-name <username>
system-failover ops-center-password <password>
system-failover database-name <shared_scdb_replica_set_name>
system-failover remote-site-name <remote_site_name>
system-failover advance-tuning health-monitor-interval-seconds <seconds>
system-failover advance-tuning startup-grace-seconds <seconds>
system-failover advance-tuning replicas <count>
system-failover advance-tuning action-lease-duration-seconds <seconds>
system-failover advance-tuning leader-lease-duration-seconds <seconds>
system-failover advance-tuning leader-retry-period-seconds <seconds>
system-failover status
```

Configuration commands

`system-failover enable`

Enables or disables the feature. The feature is disabled by default.

`alert-name-prefix`

Sets the prefix required for eligible alert names. The configuration example uses `auto-failover-`.

`ops-center-user-name` and **`ops-center-password`**

Set the remote Ops-Center username and password. The password uses a suppressed-echo encrypted leaf.

`database-name`

Sets the shared SCDB replica set name.

`remote-site-name`

Sets the configured remote site name.

`advance-tuning`

These parameters control System Failover availability, health monitoring, and high-availability coordination. Retain the defaults unless a specific operational requirement requires a change.

`replicas`

Default: `3`. Sets the number of webhook-receiver pods deployed for System Failover high availability. One pod becomes active, and the others remain on standby. If the active pod fails, a standby pod can acquire leadership.

leader-lease-duration-seconds

Default: 30 seconds. Sets the maximum time the active pod can hold leadership without renewing its Kubernetes Lease. If the pod stops renewing the Lease, another pod can become active after the Lease expires. Using a smaller value can speed up failover; however, it also makes the system more sensitive to temporary Kubernetes API delays.

leader-retry-period-seconds

Default: 5 seconds. Sets how often standby pods retry leader election and the active pod performs Lease-related checks. At the default, pods check approximately every five seconds. A very low value increases Kubernetes API traffic.

action-lease-duration-seconds

Default: 60 seconds. Sets the duration of the per-incident action Lease, which ensures that only one pod performs a failover action. If the pod that owns the action fails before completion and the Lease expires, another pod can take over the incomplete action. This value is not the action execution timeout.

startup-grace-seconds

Default: 3600 seconds. Sets the safety period after the webhook process starts during which automatic failover actions are blocked. This prevents failover while the site, monitoring, MongoDB, or peer-health information may still be stabilizing. Eligible alerts received during this period do not trigger failover.

health-monitor-interval-seconds

Default: 300 seconds. Sets how often the active webhook pod runs the cnAAA diagnostic health check and updates the site-health record in MongoDB. At the default, health is checked every five minutes. The health record remains valid according to this interval.

Status command

Enter the command in Exec mode:

```
system-failover status
```

The status output reports the local gate, remote health, MongoDB state, and next required operator step.

system ops-center-debug

Configures the Ops Center debugging process.

Command Modes

Exec

Syntax Description

```
system ops-center-debug { start | stop }
```

ops-center-debug { start | stop }

Specify to start or stop the ops-center debugging process.

Must be either "start" or "stop".

Usage Guidelines

Use this command to configure the Ops Center debugging process.

terminal

Configures the terminal parameters.

Command Modes Exec

Syntax Description **`terminal`** *`terminal_type`*

terminal_type

Specify the terminal type.

Must be one of the following:

- ansi
- generic
- linux
- vt100
- xterm

Usage Guidelines Use this command to configure the terminal parameters.

timestamp

Enables or disables the timestamp parameters.

Command Modes Exec

Syntax Description **`timestamp { enable | disable }`**

timestamp { enable | disable }

Specify the configuration to enable or disable the timestamp display.

Usage Guidelines Use this command to enable or disable the timestamp parameters.

who

Displays information on currently logged on users.

Command Modes Exec

Syntax Description **`who`**

Usage Guidelines Use this command to view information on currently logged on users. The command output displays the Session, User, Context, From, Protocol, Date, and Mode information.