

CBD Probe Commands

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cbd probe enable

To enable the Cisco Business Dashboard Probe operation on device, use the **cbd probe enable** command in Global Configuration mode. To disable the Cisco Business Dashboard Probe operation, use the **no** form of this command.

Syntax

cbd probe enable

no cbd probe enable

Default Configuration

Cisco Business Dashboard Probe is disabled.

Command Mode

Global Configuration mode

User Guidelines

Use the command to enable the Cisco Business Dashboard Probe on the device.

Example

The following example enables the Cisco Business Dashboard Probe on the device:

```
switchxxxxxx(config)# cbd probe enable
This operation may take a few seconds....
```

cbd address

To configure the details of the Cisco Business Dashboard, use the **cbd address** command in Global Configuration mode. To remove the details of the Cisco Business Dashboard, use the **no** form of this command.

Syntax

cbd address {*ip-address* | *hostname*} [**port** *port*]

no cbd address

Parameters

- **address** *ip-address*—Specifies the Cisco Business Dashboard IP address. This can be an IPv4 address.
- **address** *hostname* — Specifies the Cisco Business Dashboard as a hostname (Range: 1–158 characters. Maximum label size of each part of the host name: 63).
- **port** — Specifies the TCP port used to connect to Cisco Business Dashboard. (Range: 1-65535)

Default Configuration

No address is configured. CBD **port** default is 443.

Command Mode

Global Configuration mode

User Guidelines

Use the **cbd address** command to configure the Cisco Business Dashboard IP address and the TCP port to use to connect to the Cisco Business Dashboard. The **cbd connection enable** configuration must be removed prior to making changes to this parameter.

Examples

The following example configures the IPv4 address of the Cisco Business Dashboard to 1.1.1.1 and sets the TCP port to 8443.

```
switchxxxxxx(config)# cbd address 1.1.1.1 port 8443
```

In the following example configuration of the Cisco Business Dashboard IPv4 address fails because connection to Dashboard is enabled.

```
switchxxxxxx(config)# cbd address 1.1.1.1
Command failed!
Please disable connection to Cisco Business Dashboard before configuring this command, using
 command "no cbd connection enable". Only after configuring all Dashboard settings (Dashboard
 address, Key parameters, Organization and Network name) re-enable connection (command "cbd
 connection enable") to allow Probe connection to Cisco Business Dashboard
```

cbd key

To configure the key ID and secret of the Cisco Business Dashboard, use the **cbd key** command in Global Configuration mode. To remove Cisco Business Dashboard key ID and secret configuration, use the **no** form of this command.

Syntax

cbd key id *id-string* **secret** *secret-string*

encrypted cbd key id *id-string* **secret** *encrypted-secret-string*

no cbd key

Parameters

- **id** *id-string*—Specifies the key ID to use for initial authentication between the Cisco Business Dashboard Probe running on the device and the Cisco Business Dashboard (A string of 24 hexadecimal digits).
- **secret** *secret-string*— Specifies the secret to use for authentication, can be specified as an alphanumeric string **without** white-spaces. The key can be up to 160 characters.
- **secret** *encrypted-secret-string* — Same as the *secret-string* parameter, but the secret is in encrypted form.

Default Configuration

CBD key ID and secret are not defined.

Command Mode

Global Configuration mode

User Guidelines

Use the **cbd key** command to configure the Cisco Business Dashboard key ID and secret. The **cbd connection enable** configuration must be removed prior to making changes to this parameter.

Example

The following example configures the key ID and secret of the Cisco Business Dashboard used for initial authentication:

```
switchxxxxxx(config)# cbd key id 5cecde9f21bb450005fb790b secret secretExample123
```

cbd connection enable

To configure the probe to connect with Cisco Business Dashboard, use the **cbd connection enable** command in Global Configuration mode. To disable probe connection to the Cisco Business Dashboard, use the **no** form of this command.

Syntax

cbd connection enable

no cbd connection enable

Default Configuration

Probe is not enabled for connection to Cisco Business Dashboard.

Command Mode

Global Configuration mode

User Guidelines

Use the **cbd connection enable** command to enable the probe to connect to the Cisco Business Dashboard. The configuration of this command will trigger the Cisco Business Dashboard Probe to connect to the Cisco Business Dashboard if the CBD Probe is enabled.

The **cbd organization name**, **cbd network name**, **cbd address** and **cbd key** settings must be configured for the **cbd connection enable** command to succeed. Use the **no cbd connection enable** to disconnect the Probe from the Cisco Business Dashboard and to allow the user to change the Cisco Business Dashboard settings mentioned above.

Examples

The following example enables the probe to connect to the Cisco Business Dashboard:

```
switchxxxxxx(config)# cbd connection enable
```

In the following example the command fails because some of the Dashboard settings needed for connection were not configured:

```
switchxxxxxx(config)# cbd connection enable
Command failed. Please make sure all of the following dashboard parameters are configured:
 dashboard address, organization name, network name and key;
```

cbd reset

To reset Cisco Business Dashboard Probe connection to the Cisco Business Dashboard use the **cbd reset** command in Privileged EXEC mode.

Syntax

cbd reset

Command Mode

Privileged EXEC mode

User Guidelines

Use the **cbd reset** command to reset the connection to the Cisco Business Dashboard. Applying the command will disconnect current connection with Dashboard, flush CBD probe cached data and then attempt to reconnect to the Cisco Business Dashboard.

The command will be executed only if the Probe Agent is enabled (command cbd probe enable, on page 2) and connection to Cisco Business Dashboard is also enabled (command cbd connection enable, on page 5).

Examples

The following example executes an attempt to reconnect using the configured key ID and secret:

```
switchxxxxxx# cbd reset
```

In the following example the reset command fails because Probe connection to Network Cisco Business Dashboard is not enabled:

```
switchxxxxxx# cbd reset
Operation failed because Probe connection to Cisco Business Dashboard is not enabled.
Please enable conntection to Cisco Business Dashboard using command "cbd connection enable".
```

In the following example the reset command fails because Probe agent is not enabled on device:

```
switchxxxxxx# cbd reset
Operation failed because Probe is not enabled
Please enable Probe using command "cbd probe enable".
```

clear cbd probe database

To clear the Cisco Business Dashboard Probe database use the **clear cbd probe database** command in Privileged EXEC mode.

Syntax

clear cbd probe database

Command Mode

Privileged EXEC mode

User Guidelines

Use the **clear cbd probe database** to clear the Cisco Business Dashboard Probe database.

The command will be executed only if the Cisco Business Dashboard Probe Agent is disabled.

Examples

The following example clears the Cisco Business Dashboard Probe Database:

```
switchxxxxxx# clear cbd probe database
```

In the following example, the clear command fails because the Cisco Business Dashboard Probe is enabled on the switch:

```
switchxxxxxx# clear cbd probe database
Operation failed because Cisco Business Dashboard Probe is enabled on the switch.
Please disable Probe on switch using command "no cbd probe enable".
```

show cbd

To display information about Cisco Business Dashboard Probe Configuration and status, use the **show cbd** command in Privileged EXEC mode.

Syntax

show cbd

Command Mode

Privileged EXEC mode

User Guidelines

Use the **show cbd** command, to display information about the Cisco Business Dashboard Probe running on the device.

Example

The following example shows the output from the **show cbd** command:

```
switchxxxxxx# show cbd
Network Probe is enabled
Operational status: Active
Probe version: 1.1.2.20181019
Dashboard address: 1.1.1.1
Dashboard port: 443
Key ID: MyKey
Key Secret (encrypted): 8nPzy2hzuba9pG3iiC/q0451RynUn7kq94L9WORFrRM=
Organization name: ABC Company
Network name: my network
Dashboard status: connected
```

The following table describes the different Cisco Business Dashboard Probe setting and behavior and the relevant Administrative & Operational state display.

Cisco Business Dashboard Probe Setting and Status	Administrative State indication	Operational State indication
Cisco Business Dashboard Probe Disabled	Disabled	Inactive
Cisco Business Dashboard Probe Enabled and active	Enabled	Active
Cisco Business Dashboard Probe Enabled but is not active (indicates a failure)	Enabled	Fault