

Blue beacon LED

- Introduction to blue beacon LED, on page 1
- How to configure blue beacon LED, on page 1
- Examples, on page 2

Introduction to blue beacon LED

The Blue Beacon LED is a visual indicator feature designed to assist you in physically identifying a specific router within a rack or data center.

The Blue Beacon LED, labeled **BEACON** on the front panel of Cisco 8100 Series Secure Routers, serves as a visual aid for users. Its primary function is to allow easy physical identification of a router that requires attention or is being operated. By turning this LED on, you can quickly locate the specific device among many, especially in dense network environments.

The blue beacon LED feature operates with specific functionalities:

- The Blue Beacon LED can only be controlled via Command Line Interface (CLI). There is no physical button on the front panel to turn it on or off.
- Once the beacon is activated (turned on) using the CLI, it remains in that state indefinitely until explicitly turned off by a subsequent CLI command. There is no built-in timeout mechanism to automatically reset the LED to the off state.
- After a router reload or reboot, the Blue Beacon LED always resets to its default **off** state, regardless of its state prior to the reload.

How to configure blue beacon LED

The Blue Beacon LED is controlled using a simple `hw-module` CLI command.

Turning the Beacon LED On

To activate the Blue Beacon LED and turn it on for identification purposes, use this command:

```
Router# hw-module beacon R0 on
```

Turning the Beacon LED Off

To deactivate the Blue Beacon LED and turn it off, use this command:

```
Router# hw-module beacon R0 off
```

Get the Beacon LED status

To get the Blue Beacon LED status, use this command:

```
Router# hw-module beacon R0 status
```

Examples

To activate the Blue Beacon LED, connect to the router via console or SSH and execute the command:

```
Router# hw-module beacon on
```

After executing this command, the BEACON LED on the front panel of the router turns on blue, allowing you to easily locate it physically.

To deactivate the Blue Beacon LED, after completing the necessary tasks on router, you can turn it off using:

```
Router# hw-module beacon off
```

The Blue Beacon LED on the front panel is now turned off.

Behavior after router reloads

When the Blue Beacon LED was set to on for the router, if the router needs to be reloaded or power cycled:

```
Router# reload
```

Once the router finishes its boot-up sequence and comes back online, the Blue Beacon LED automatically goes in the **off** state, regardless of its previous **on** state. You would need to re-issue the **hw-module beacon on** command if you need to activate it again.