Lab 6.1.6 Resetting the Bridge

Estimated Time: 20 minutes

Number of Team Members: Students will work in teams of two

Objective

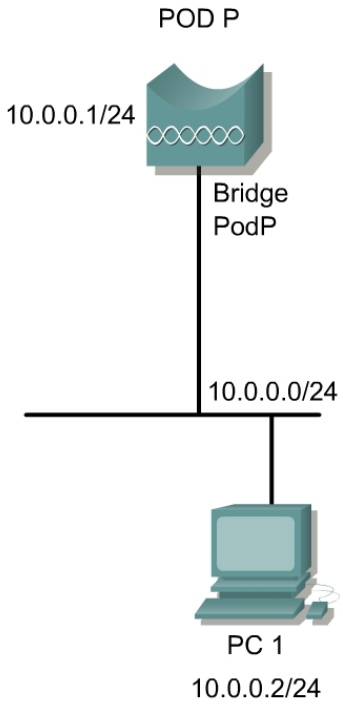
Reset the bridge to factory defaults.

Scenario

You can use the web-browser interface or the CLI to reset the access point/bridge to a factory default configuration. The following steps reset all configuration settings to factory defaults, including passwords, WEP keys, the IP address, and the SSID.

Note The default username and password are both *Cisco*, which is case-sensitive.

Topology



Preparation

The students will read and familiarize themselves with the concepts in Chapter 6 prior to attempting this lab.

Tools and Resources

Each team will require the following:

- One BR1310
- One PC on the wired LAN and connected via console for bridge configuration

Step 1 Resetting the bridge from the web interface

In order to use the web interface to reset the bridge, the IP address and passwords must be known. The CLI can be used to view the IP address if the passwords are known. If the passwords are not known, the bridge must be reset using the CLI from the console connection.

a. Open a browser and enter the bridge's IP address in the browser address or location line. Press Enter.

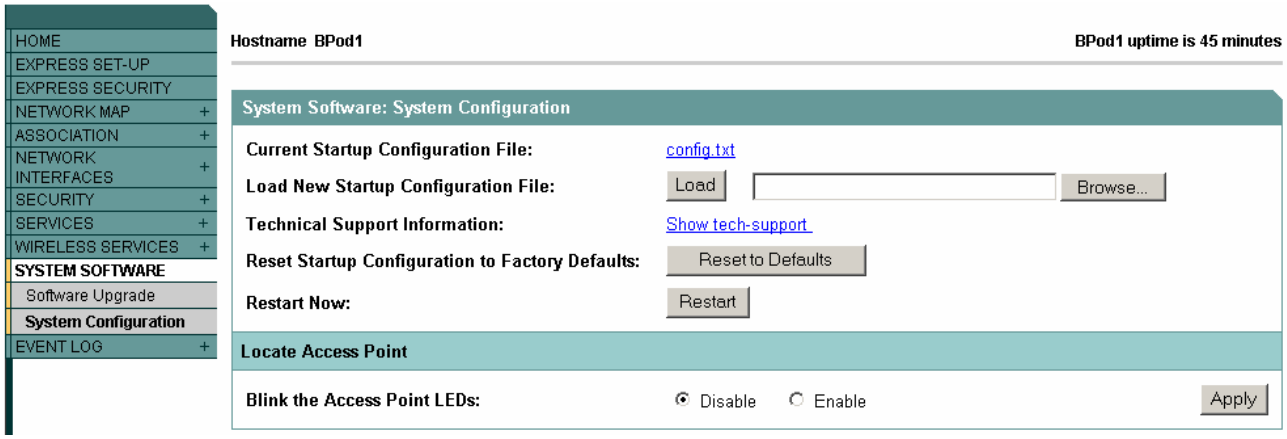
b. When the Enter Network Password screen appears enter a username and password in the appropriate fields. (Defaults for both username and password: *Cisco*)

c. After successful login, the Summary Status page will display.

d. Click **System Software** then **System Configuration** in the left navigation bar. From the System Configuration screen click *Reset to Defaults*. Confirm your choice by clicking the *OK* button in the confirmation window.

e. The bridge will reboot to factory default settings. (Note: If the bridge is configured with a static IP address, the IP address will not change.)

f. After the bridge reboots, it can be configured using either the Web-browser interface or the CLI.



Step 2 Reset the bridge from the CLI

A bridge that has been previously configured may be inaccessible due to a lost or forgotten password. Without the password, the web interface cannot be used to reset the bridge. The CLI provides a method for resetting a bridge when the password is unknown.

a. Open the CLI using a connection to the bridge's console port.

b. Reboot the bridge by removing power and reapplying power.

c. Let the bridge boot until the command prompt appears and the bridge begins to inflate the image. When you see the # symbols on the CLI, press **Esc**:

```
Loading "flash:/c1310-k9kw-7mx.v122_15_ja.200040314-k9w7-
mx.v122_15_ja.20040314"...################################## [Esc]
```


Note: Depending on the terminal emulation software you are using, you may have to press **Esc** twice to access the boot loader.

d. At the **bridge:** prompt, enter the following command to show a directory of the flash file system similar to the directory shown below:

```
bridge: dir flash:
Directory of flash:/
3    -rwx  1140    <date> config.txt
4    drwx  384     <date> c1310-k9w7-mx.122-15.JA
139  -rwx  5       <date> private-config
140  -rwx  70      <date> env_vars
143  -rwx  3511808 <date> tftp
181248 bytes available (7560192 bytes used)
```

The files **config.txt** and **env_vars** must be deleted or renamed. To keep a copy of the configuration, these files must be renamed. If the files are renamed, they can be used to restore the configuration while allowing you to change the password.

e. Delete both files to restore the bridge to factory defaults.

```
bridge: delete flash:config.txt flash:oldcfg.txt
bridge: delete flash:/env_vars flash:/oldenvars
```

f. Issue the boot command to reboot the bridge.

```
bridge: boot
```

g. The bridge will reboot with factory default values including the IP address (set to receive an IP address using DHCP). To obtain the unit's new IP address, you can use the `show interface bvi1` CLI command. If the unit does not receive an IP address from a DHCP server, the IP address is set to 10.0.0.1.

Note: Do not interrupt the boot process to avoid damaging the configuration file. Wait until the bridge Install Mode LED begins to blink green before continuing with CLI configuration changes. You can also see the following CLI message when the load process has finished:

```
Line protocol on Interface Dot11Radio0, changed state to up.
```

