



Lab 6.4.4.2 Configure Bridge Services

Estimated Time: 30 minutes

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

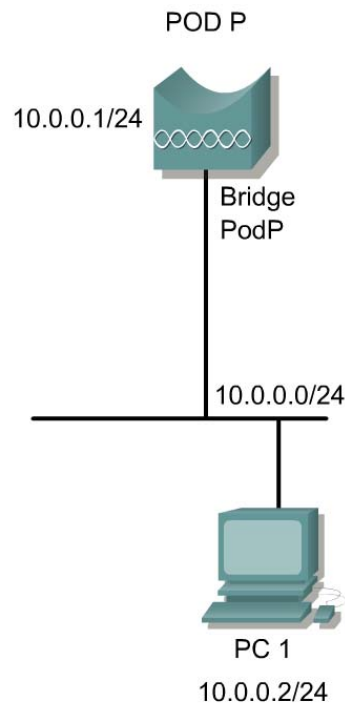
Objective

In this lab, students will configure various services on the BR1310.

Scenario

The bridge Services configuration page is used to set parameters for various services, including: Telnet/SSH, CDP, DNS, Filters, HTTP, Proxy Mobile IP, QoS, SNMP, NTP, VLAN, STP, and ARP Caching.

Topology



Preparation

The students will read and familiarize themselves with the concepts and procedures of Chapter 6 prior to the lab.

Tools and Resources

Each team will require the following:

- One multi-function wireless bridge properly set up for Web browser access
- One PC to configure each bridge

Step 1 Viewing default values

Each of the Services available on the bridge has a default value. These defaults can be viewed from the Services Summary page.

<div>HOME</div> <div>EXPRESS SET-UP</div> <div>EXPRESS SECURITY</div> <div>NETWORK MAP +</div> <div>ASSOCIATION +</div> <div>NETWORK INTERFACES +</div> <div>SECURITY +</div> <div>SERVICES</div> <div>Telnet/SSH</div> <div>CDP</div> <div>DNS</div> <div>Filters</div> <div>HTTP</div> <div>Proxy Mobile IP</div>	Hostname RootBR	
	Services Summary	
	Telnet/SSH : Enabled/Disabled	CDP : Enabled
	DNS : Disabled	Filters : Disabled
	HTTP : Enabled	Proxy Mobile IP : Disabled
	QoS : Disabled	SNMP : Disabled
	NTP : Disabled	VLAN : Disabled
	STP : Disabled	ARP Caching : Disabled

Step 2 Configuring the console/Telnet parameters of the bridge unit

From the Setup page in the Services section, select the **Telnet/SSH** link. Record the current settings.

Document the following settings:

a. Terminal Type:

b. Columns:

c. Lines:

If remote access to the bridge is a concern, the Telnet feature of the bridge unit may be disabled by checking the **Disabled** button on this page.

Services: Telnet/SSH

Telnet: ☒ Enabled ☐ Disabled

Terminal Type: ☒ Teletype ☐ ANSI

Columns: (64-132)

Lines: (16-50)

Step 3 Configuring the time server parameters of the bridge unit to set the time

From the Setup page in the Services section, select the **NTP** option.

The screenshot shows the Cisco Aironet 1300 Series Wireless Bridge configuration interface. On the left is a navigation menu with options like HOME, EXPRESS SET-UP, EXPRESS SECURITY, NETWORK MAP, ASSOCIATION, NETWORK INTERFACES, SECURITY, SERVICES, Telnet/SSH, CDP, DNS, Filters, HTTP, Proxy Mobile IP, QoS, SNMP, NTP, VLAN, STP, ARP Caching, WIRELESS SERVICES, SYSTEM SOFTWARE, and EVENT LOG. The main content area is titled 'Cisco Aironet 1300 Series Wireless Bridge' and shows 'Hostname RootBR' and 'RootBR uptime is 24 minutes'. The 'Services: NTP- Network Time Protocol' section is active, displaying 'NTP Server' settings. Under 'Network Time Protocol (NTP)', 'Enabled' is selected. The 'Time Server (optional)' is set to 'DISABLED'. The 'Time Settings' section includes a 'GMT Offset' dropdown set to '(GMT - 06:00) Central Time (US & Canada)', 'Use Daylight Savings Time (United States only)' set to 'Yes', and fields for 'Manually Set Date' (2004/9/10) and 'Manually Set Time' (11:06:12). At the bottom right are 'Apply', 'Cancel', and 'Refresh' buttons.

NTP is designed for extreme accuracy and requires configuration of a Hostname or IP address of an NTP server. Time Settings can be manually entered if an NTP server is not available.

In order to configure time parameters of the bridge, complete the following steps:

- Select the GMT Offset for your time zone from the drop down list.
- Select the daylight savings setting appropriate for your area.
- Manually set the date and time following the format provided in parenthesis.
- Click **Apply** to save these settings.

- e. The time settings can be confirmed by causing a log entry to be entered. From the **Express Set-up** page, change the bridge System Name and apply the new settings.
- f. Navigate to the Home page after the new name is saved. The **Event Log** should have an entry with the correct GMT date and time.

Event Log		
Time	Severity	Description
Sep 13 17:21:24.756	Warning	Interface Dot11Radio0, cannot associate: No matching SSID
Sep 13 17:21:16.411	Notification	Configured from console by console
Mar 1 00:40:50.536	Warning	Interface Dot11Radio0, cannot associate: No matching SSID
Mar 1 00:40:42.947	Notification	Configured from console by console