



Testing the PMS Interface (WEB PMS Test)

This chapter discusses how to test the serial connection and delivery of data from the BBSM server to the PMS by using the WEB PMS Test feature accessed under the Administration feature on the BBSM Dashboard. [Table 4-1](#) describes the WEB PMS Test web page options. [Figure 4-1](#) shows the WEB PMS Test web page with an example Bell Hobic protocol output.

Table 4-1 WEB PMS Test Options

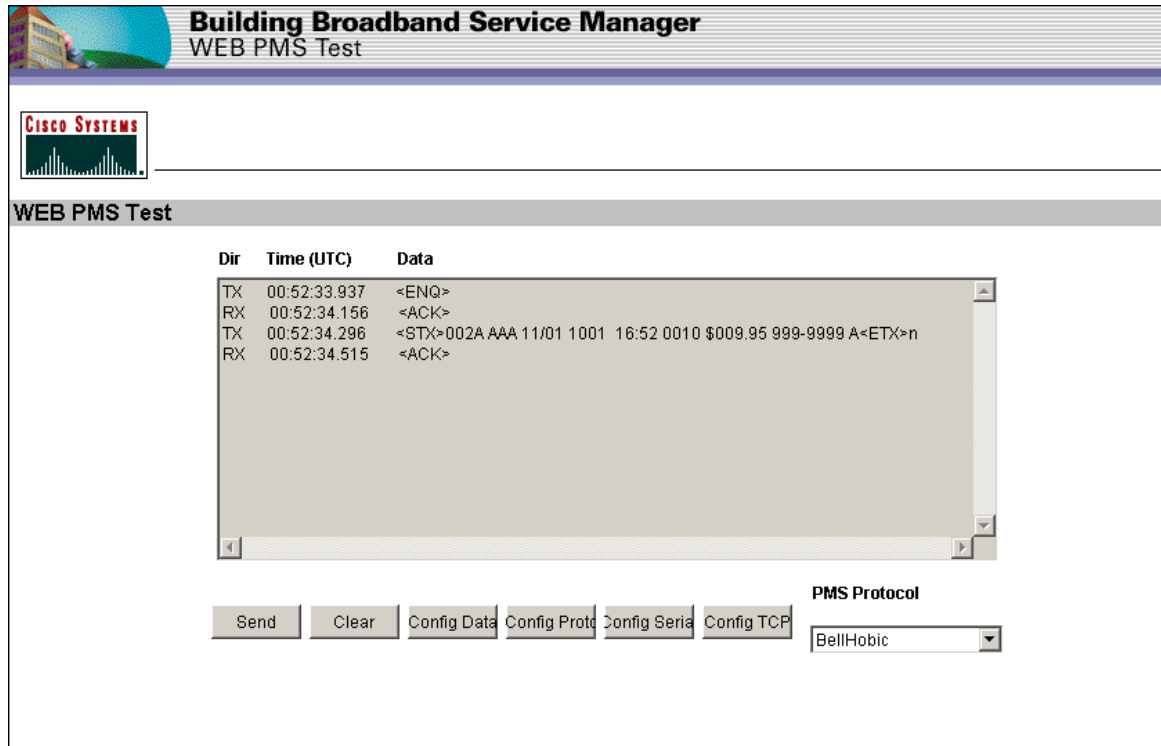
Option	Description
Send	Sends a test charge posting to the PMS.
Clear	In the WEB PMS Test web page data area, clears the contents of the “Dir,” “Time UTC,” and “Data” columns.
Config Data	Enables the Hotel Data area of the web page to become visible, which enables you to specify the data for a charge posting that you want to send to the PMS.
Config Proto	<i>This feature is for internal use only.</i> For additional information, contact the Cisco TAC. See the “Obtaining Technical Assistance” section in the Preface to this user guide.
Config COM	Enables the COM Port Data of the web page to become visible, which enables you to specify the serial communication settings for the selected PMS protocol.
PMS Protocol	Selects the protocol used by your PMS. Possible drop-down menu selection values are BellHobic, Fidelio Serial, Hilton, and Xiox.
Update	Commits the changes made to Config Data, Config Proto, or Config COM.



Note

For information on connecting BBSM to a PMS, see [“Connecting to a PMS”](#) section on page 2-6. For information on configuring the PMS connection, see [“Configuring BBSM for Hotel Billing”](#) section on page 3-24.

Figure 4-1 WEB PMS Test Web Page



The following PMS systems are currently supported:

- Protocol Technologies (Bell Hobic)
- MSI (Bell Hobic)
- Promus 21 (Bell Hobic)
- Encore (Bell Hobic)
- Logistics (Bell Hobic)
- XIOX
- Fidelio 6.0 and 7.0
- Hilton H1 and H2 (Hilton)

**Note**

To create a new PMS module, you can download the Cisco BBSM SDK software through Cisco.com. See the following URL: <http://www.cisco.com/warp/public/570/comlob/bbsm/bbsmdown.shtml>

Verifying the BBSM-PMS Configuration

Check to make sure that all of the BBSM and PMS settings are correct.

- Step 1** From the BBSM Dashboard, click **WEBconfig**. The BBSM Port IP Addresses web page appears.
- Step 2** Click the **Sites** button.

- Step 3** Verify that PMS Billing is checked.
- Step 4** Click **Call Types**.
- Step 5** Verify that the correct call type is entered for your vendor. (Note that the PMS vendor determines the call type settings.)

Testing the BBSM-to-PMS Interface

To ensure that your PMS is communicating clearly with the BBSM system, the interface between the BBSM server and the PMS interface must be tested before the system becomes operational.

Use the following procedure to set up the test parameters and send a simulated charge posting from BBSM to the PMS interface.

- Step 1** From the BBSM Dashboard, click **WEB PMS Test**. The WEB PMS Test web page appears.
- Step 2** From the PMS Protocol drop-down menu, select the desired PMS protocol.
- Step 3** Click **Config COM**. The COM Port Data area of the web page appears. (See [Figure 4-2](#).)

Figure 4-2 COM Port Data Area of WEB PMS Test Web Page

The screenshot displays the 'WEB PMS Test' interface. At the top, there is a navigation bar with 'Dashboard | Help | Logout'. Below this is a header with the Cisco Systems logo and the text 'WEB PMS Test'. The main content area is titled 'WEB PMS Test' and contains a table with the following data:

Dir	Time (UTC)	Data
TX	12:07:28.454	<ENQ>
RX	12:07:28.665	<ACK>
TX	12:07:28.805	<STX>005A AAA 05/30 1001 05:07 0010 \$009.95 999-9999 A<ETX>I
RX	12:07:29.005	<ACK>

To the right of the table is the 'COM Port Data' configuration section, which includes the following settings:

- COM Port: COM1
- Baud Rate: 9600
- Parity: None
- DataBits: 8
- Stop Bits: 1
- Flow Control: None

Below the configuration section is an 'Update' button. At the bottom of the page, there are buttons for 'Send', 'Clear', 'Config Data', 'Config Proto', and 'Config COM', and a 'PMS Protocol' dropdown menu set to 'BellHobic'.

- Step 4** Configure the serial communication parameters according to the PMS vendor's hotel specifications.
- Step 5** Click **Update** to view the changes.
- Step 6** Click **Config Data**. The Hotel Data area of the web page appears. (See [Figure 4-3](#).)

Figure 4-3 Updated Hotel PMS Data

Building Broadband Service Manager
WEB PMS Test

Dashboard | Help | Logout

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WEB PMS Test

WEB PMS Test

Dir	Time (UTC)	Data
TX	12:08:34.740	<ENQ>
RX	12:08:34.940	<ACK>
TX	12:08:35.080	<STX>006A AAA 05/30 1001 05:08 0010 \$009.95 999-9999 A<ETX>`
RX	12:08:35.381	<ACK>

Hotel Data

Hotel ID: HTL
 System ID: B
 Room: 1001
 Duration: 10
 Amount: 9.95
 Call Type: A

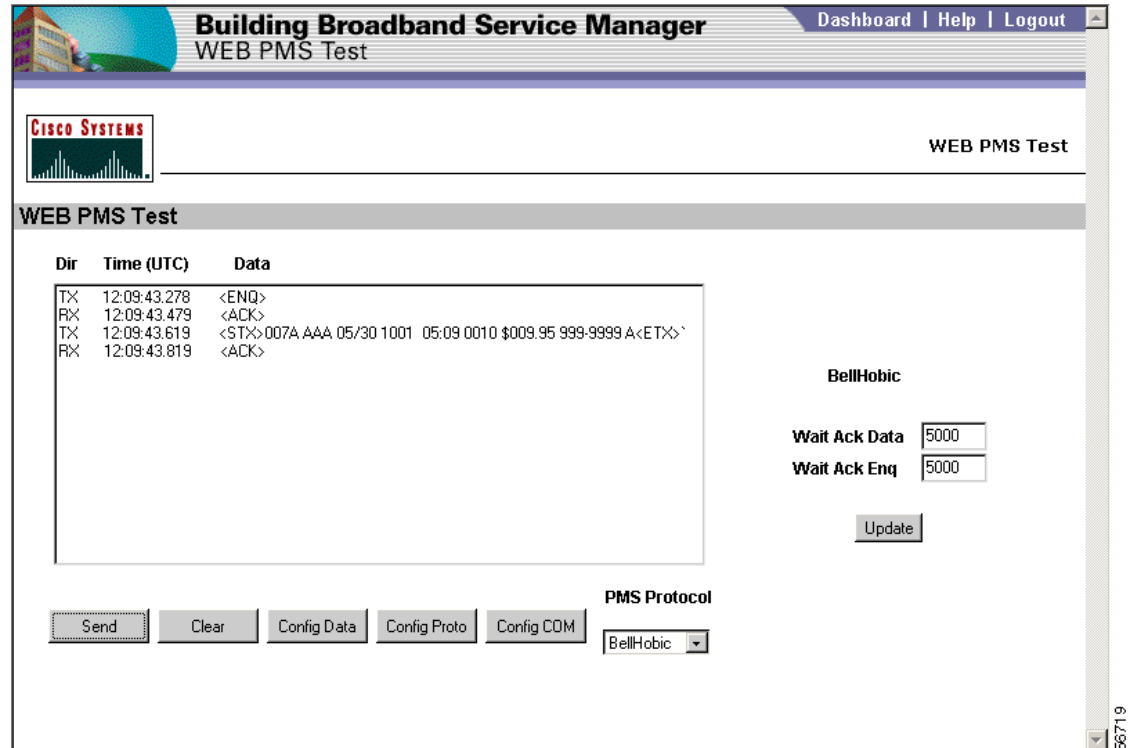
PMS Protocol: BellHobic

Buttons: Send, Clear, Config Data, Config Proto, Config COM, Update

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- Step 7** Configure the test charge posting data to be sent to the PMS.
- Step 8** Click **Update** to view the changes.
- Step 9** To test the BBSM to PMS interface, send a simulate posting a charge to PMS:
- Confirm that the selected PMS protocol is correct.
 - To send a charge posting to the PMS, click **Send**. If the charge posts successfully, PMS protocol data specific to each kind of protocol appears in the data area of the web page. (See [Figure 4-4](#).)

Figure 4-4 PMS Protocol Data Displayed



- c. To erase the contents of the Dir, Time (UTC), and Data columns, click **Clear**.
- d. Close the browser to exit the program.

Testing the PMS Charge Posting

To test the PMS configuration, two engineers need to work together to post a charge through the Internet from BBSM to the PMS. One engineer, the installation engineer, is located in a room on the property. The other engineer is located at the BBSM server to post an charge through the Internet from BBSM to the PMS.

Use the following procedure to run the test:

- Step 1** In the room, the installation engineer performs the following steps:
 - a. Connect a laptop with an Ethernet cable to the BBSM wall jack or Ethernet connection device in the room.
 - b. Open Internet Explorer and connect to the Internet through the Connect screen.
- Step 2** At the BBSM server, the BBSM engineer then performs the following steps:
 - a. On the BBSM Dashboard, click **Reporting Pages**. A splash screen appears, followed by the BBSM Reporting web page.
 - b. On the navigation bar, click **Active Ports**. The Active Ports web page appears. (See [Figure 4-5](#).)

Figure 4-5 Active Ports Report

Building Broadband Service Manager Reporting

Dashboard | Help | Logout

Usage | Transaction History | **Active Ports** | Access Codes | Room Mappings | RADIUS | Walled Garden

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Site 1, qa test
Active Ports - Reports Menu

Active Ports Refresh

You can sort the information below by clicking on the underlined column headings.

<u>IP</u>	<u>Start</u>	<u>PortID</u>	<u>Room</u>	<u>Access Policy</u>	<u>Accounting Policy</u>	<u>BandwidthKbps</u>
192.168.64.50	05/30/2002 4:13:15 AM	0001000100017	6016	Daily	Hotel	0

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c. Verify that the active port matches the room where the installation engineer is connected.

Step 3 In the room, the installation engineer performs the following steps:

- a. Disconnect from the Internet.
- b. If the “Thank You, You are disconnected” web page appears, but the port is still active, clear all the cached pages on the laptop and retry the disconnect.

Step 4 At the BBSM server, the BBSM engineer clicks **Refresh** and verifies the disconnection. The hotel charges should now post to the Hotel PMS.

Step 5 Ask the hotel staff to print out a copy of the PMS charge to the room. Then ask the hotel staff to delete the fake room charge.