



## Configuring Routers

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Follow the procedure in this chapter to configure a router on the BBSM internal network. (Refer to your network configuration information to configure the router fields.)

In BBSM, all network devices are associated with a router. This association tells BBSM how to build routes to the network internal to the router. For additional information about networking options, including routed networks, refer to the [“Transmission and Networking Options”](#) section on page 1-3.



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**Note**


In a bridged BBSM internal network, all network devices are associated with router 0, the BBSM server. If your internal network is bridged, you do not need to configure a router on BBSM.

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- Step 1** From the Dashboard, click **WEBconfig**. The BBSM Server Settings web page appears.
- Step 2** In the NavBar, click **Routers**. The Routers web page appears. ([Figure 11-1](#) shows the Routers web page for a multinet, dual-VLAN configuration.)



Table 11-1 Routers Web Page Options (continued)

Field	Description
Router Dual VLAN Support	Check this check box to enable dual VLANs on the router. This feature is disabled by default.
Mgmt Router IP Mgmt Start Mgmt End Mgmt Subnet Mask	<p><b>Note</b> These fields apply only when two VLANs are configured.</p> <p>Enter the IP address of the router for the management VLAN and the starting and ending IP address and subnet mask of the network devices in the management VLAN.</p>
Router Supports SNMP	<p>If you are using a router that supports SNMP, check this check box:</p> <ul style="list-style-type: none"> <li>For router 0 (the BBSM server), the check box is checked and disabled. The SNMP password field is enabled.</li> <li>For routers other than router 0, the field is enabled. If you check the check box, the SNMP password field is enabled. Otherwise, the SNMP password is disabled.</li> </ul> <p> <b>Caution</b> Restrictions exist to disabling Router Supports SNMP. Because BBSM does not know the client's MAC address, it cannot use a network device (switch DLL) to determine if the session is still active (the administrator must configure the null switch). This inability to identify the client affects many BBSM operations, including reporting, the Daily access policy Welcome Back feature, and any per-port policy.</p>
SNMP Password	Enter the SNMP read-write community string (password) that is used when communicating with routers. The default is <i>public</i> .
Create Client DHCP Scope	<p>Check this check box if BBSM is your DHCP server. A DHCP scope is created on the BBSM server for the router subnet, as determined by the IP addresses in the Client Start and Client End fields.</p> <p>Leave the check box unchecked if you are using a DHCP server other than BBSM.</p>
<b>Multiple VLANs</b> (dual VLANs only)	
Clients VLAN ID	Displays the client VLAN ID.
Mgmt VLAN ID	Displays the management VLAN ID.
<b>Buttons</b>	
New	Adds a new router web page with a router number. (When you add routers, physically install them before trying to configure them.)
Requery	Refreshes the web page (click before saving changes).
Save	Saves the changes made to the web page.
Delete	Deletes the router from the site.

