



CHAPTER 27

Network Settings

Impacted GUIs: Cisco Unified Communications Manager Business Edition 3000 First Time Setup Wizard and Cisco Unified Communications Manager Business Edition 3000 Administrative Interface.



Tip

You can also add the network settings to the Cisco-provided .xls data configuration file.

The Network Settings page allows you to update the IPv4 address or hostname for the Cisco Unified Communications Manager Business Edition 3000 server. You can also view and update the DNS, message transmission units, and link speed settings that you configured in the Cisco Unified Communications Manager Business Edition 3000 First Time Setup Wizard. [Table 27-1](#) describes the settings that display on the Network page (**Connections > Network**).

After you complete the Cisco Unified Communications Manager Business Edition 3000 First Time Setup Wizard, you access the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface to update the network information (**Connections > Network**).



Caution

After you update the Network Settings section and click **Save**, the server automatically reboots, and any calls that are in progress may drop.

For DNS, make sure that you map the IPv4 address of the Cisco Unified Communications Manager Business Edition 3000 server to the hostname on the DNS server. Cisco recommends that you update the DNS server before you change the hostname or IP address on the Network page.

If you update the IP address for the server, you must reissue the CLI commands for all the ISR2901 gateways that are listed on the Devices page (**Connections > Devices**).

Table 27-1 Settings on the Network Page

Setting	Description
Network Settings Information	
MAC Address	The MAC address of the Cisco Unified Communications Manager Business Edition 3000 is displayed here. You cannot update this field on the Edit Phone page.

Table 27-1 Settings on the Network Page (continued)

Setting	Description
IP Address (System)	<p>This IP address identifies the server on this network and aids call processing and administrative access.</p> <p>The IP address must be in IPv4 format ddd.ddd.ddd.ddd where ddd is a value between 0 and 255 (except 0.0.0.0).</p>
IP Address (Media Resources) Note This field is available for MCS7890-C1 only.	<p>This IP address identifies the media resource on the MCS7890-C1 for conferencing and transcoding features.</p> <p>The IP address must be in the format ddd.ddd.ddd.ddd where ddd is a value between 0 and 255 (except 0.0.0.0). The Media Resource IP Address must be in the same subnet as the System IP Address.</p> <p>Note In Cisco ISR2901 devices the gateway handles media resourcing.</p> <p>Note Ensure that the Media Resource IP address for Cisco MCS7890-C1 is unique to avoid transcoding and conferencing issues.</p>
Subnet Mask	<p>Enter the subnet mask, which allows you to identify the part of an IP address reserved for the network.</p> <p>The subnet mask must be in the format ddd.ddd.ddd.ddd where ddd is a value between 0 and 255 (except 0.0.0.0).</p>
Default Gateway	<p>Enter the default gateway, which represents a network point that acts as the entrance to another network.</p> <p>The default gateway must be in the format ddd.ddd.ddd.ddd where ddd can be a value between 0 and 255 (except 0.0.0.0).</p>
Domain Name System (DNS) Information	
Primary DNS	<p>Enter the IP address of the primary DNS server.</p> <p>The IP addresses of primary DNS server must be in the format ddd.ddd.ddd.ddd where ddd is a value between 0 and 255.</p>
Secondary DNS	<p>Enter the IP address of the secondary DNS server (optional)</p> <p>The IP addresses of the secondary server must be in the format ddd.ddd.ddd.ddd where ddd is a value between 0 and 255.</p>
Domain	Enter the name of the domain where this node is located.
Link Speed Information	

Table 27-1 Settings on the Network Page (continued)

Setting	Description
Auto Negotiate	<p>Select this option to negotiate the speed and duplex settings of the Ethernet network interface card (NIC) automatically if the opposite access point (for example, hub or Ethernet switch) to which this node is attached supports this activity. Auto negotiation negotiates the highest speed that is supported by both access points and favors full over half duplex.</p> <p>If you do not know the link speed and duplex settings for your NIC, select Auto Negotiate. Also, to configure a speed of 1000 megabits per second (Mbps) and have it supported by the opposite access point, you must select Auto Negotiate because 1000 Mbps cannot be configured manually; explicit speed and duplex settings are ignored, and full duplex is chosen if 1000 Mbps is negotiated. (If you do not select Auto Negotiate, make sure that you set the speed and duplex to the same settings as the network switch that is connected to the Cisco Unified Communications Manager Business Edition 3000 server.)</p>
Set Manually	<p>Select this option to enforce a particular speed and duplex setting.</p> <ul style="list-style-type: none"> Speed (Mbps)—Select 10, 100 or 1000 Mbps from the drop-down list box. Duplex—Select Full or Half.
Message Transmission Unit Information	
Default	Select this option to set the Message Transmission Unit (MTU) size to 1500 bytes.
Set Manually	Select this option to set the Message Transmission Unit (MTU) size value between 552 and 1500 bytes.
Save File	This button displays only in the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface. To download the USB network.xml file, click Save File . This file allows you to change the hostname and IP address for the Cisco Unified Communications Manager Business Edition 3000 server when you cannot access the Cisco Unified Communications Manager Business Edition 3000 Administrative Interface. For more information, see the “Using the Cisco Network Configuration USB Key” section on page 6-4 .
Save	When you edit data in the record, click Save to save your changes.
Reset	When you edit data in the record, click Reset to discard your changes and display the saved data.

