



Cisco EGW Administration Application Properties

This section is a reference of the properties for each window in the Cisco EGW Administration application. This information is also available in the online help for the Cisco EGW Administration application. For the latest information on the properties for the Cisco EGW Administration application, refer to the online help.

Cisco EGW Home

Table 1 Cisco EGW Home Properties

Field	Description
Host Name	Name of the local server where the Cisco EGW 2200 is installed. This is the Host Name that was entered in the Platform Administration GUI or CLI.
EGW Primary IP Address	Primary IP address of the local Cisco EGW 2200 server. This is the IP address that was entered for "Ethernet 0" in the Platform Administration GUI or CLI. Note In a fault-tolerant configuration, the two Cisco EGW 2200 hosts must be located on the same subnet.
EGW Secondary IP Address	Secondary IP address of the local Cisco EGW 2200 server. This is the IP address that was entered for "Ethernet 1" in the Platform Administration GUI or CLI.



Table 1 Cisco EGW Home Properties (continued)




Field	Description
Fault Tolerant Mode	<p>Select this to enable the fault tolerant (duplex) mode.</p> <p> Caution If you select this option and click Update, your system will reboot. Make sure that you perform a system backup before rebooting.</p> <p>Perform this task before you begin Cisco EGW 2200 provisioning, to avoid post-provisioning downtime.</p> <p>Once you have configured the Cisco EGW 2200 pair, most provisioning updates on the active Cisco EGW 2200 are automatically copied to the peer. H.323 updates and data such as call detail records are not copied.</p> <p>Note If you do not select this option, the peer address fields are unavailable.</p>
EGW Peer Primary IP Address EGW Peer Secondary IP Address	<p>If you did not select the fault-tolerant mode, these fields are unavailable.</p> <p>If you are operating the Cisco EGW 2200 in fault tolerant mode, enter the primary and secondary IP addresses for the other server in the duplex configuration.</p> <p>Tip When the Cisco EGW 2200 is installed or rebooted, the installation script finds the IP addresses for the host where the Cisco EGW 2200 is installed. Always check your peer IP addresses after a reboot to ensure that they are still valid.</p> <p>Note In a fault-tolerant configuration, the two Cisco EGW 2200 hosts must be located on the same subnet.</p>
EGW Operating State	<p>One of the following states is displayed:</p> <ul style="list-style-type: none"> • Active • Standby • OOS (Out of Service) <p> Note An OOS state indicates a system problem.</p>
H.323 Operating State	<p>Displays the current state of H.323 operations on the Cisco EGW 2200.</p>
Machine Congestion Level	<p>One of the following values is displayed:</p> <ul style="list-style-type: none"> • None • Light • Medium • Heavy <p>A level other than None indicates that machine resources are being used elsewhere, and calls may be dropped.</p>

Table 1 Cisco EGW Home Properties (continued)

Field	Description
Log Level Call Processing Management Input/Output Operational	Select a level for logging Cisco EGW 2200 processing events for any of the processing areas: <ul style="list-style-type: none"> • Error (default) • Debug  Caution If you select the Debug log level for any of these system functions, call processing on your system will be impacted.
Total calls in progress	Displays the current number of active calls.
H.323 calls in progress	Displays the current number of active H.323 calls.
Call rate (per second)	Shows the current number of calls in progress per second.
Successful calls Failed calls	This table shows the number of successful and failed calls as measured at each of these intervals: 15 minutes, 60 minutes, and 24 hours. These intervals are fixed (not user-selectable).

Platform Status Windows

Click this link and the Cisco IPT Platform Administration window opens. The sections below are found within this window.

Show Status

Platform Status

Table 2 Platform Status Properties

Field	Description
Host Name	The MCS 78xx host where Cisco Platform Administration is installed.
Date/Time	The date and time are derived from the continent and region that you selected during Cisco EGW 2200 installation.
Locale	The language shown was selected during Cisco EGW 2200 installation.
Time Zone	The time zone is derived from the continent and region that you selected during Cisco EGW 2200 installation.

Table 2 Platform Status Properties (continued)

Field	Description
Ethernet 0/1	
Status	Indicates if the port is Up or Down.
DHCP	Indicates whether DHCP is supported.
IP Address	Shows the IP address of Ethernet port 0/1.
IP Mask	Shows the subnet mask address of Ethernet port 0/1.
Primary DNS	Shows the primary domain name server.
Secondary DNS	Shows the secondary domain name server.
Domain	Shows the associated domain name.
Gateway	Shows the gateway for Ethernet port 0.
CPU	Shows the usage percentages for the CPU, separated into Idle, System, and User.
Memory	Shows the usage information for memory (in kilobytes), separated into Total, Free, and Used.
Disk/active	Shows the usage information for the active portion of the disk (in kilobytes), separated into Total, Free, Used, and Percent Used.
Disk/inactive	Shows the usage information for the inactive portion of the disk (in kilobytes), separated into Total, Free, Used, and Percent Used.
Disk/logging	Shows the usage information for the logging portion of the disk (in kilobytes), separated into Total, Free, Used, and Percent Used.

Hardware Status

Table 3 Hardware Status Properties

Field	Description
Platform	Identifies the type of MCS 78xx platform used for your system.
Serial Number	Identifies the serial number of your MCS 78xx platform.

Settings

IP Settings

Table 4 IP Settings Properties

Field	Description
Ethernet 0	
Address	The IP address for Ethernet port 0.
Mask	The subnet mask for Ethernet port 0.
dhcp	Set to No since Cisco EGW 2200 does not support DHCP.

Table 4 IP Settings Properties (continued)

Field	Description
Ethernet 1	
Address	The IP address for Ethernet port 1.
Mask	The subnet mask for Ethernet port 1.
dhcp	Set to No since Cisco EGW 2200 does not support DHCP.

Backup and Restore

Setup

Table 5 Backup and Restore Setup Properties

Field	Description
Host ID	Name or IP address of the server on which the backed up data will be stored. This is the name as configured on the backup server.
User ID	The ID of a user already configured on the backup server.
Password	The user's password already configured on the backup server.
Filename	Name of the file (containing the backed up data) on the remote server, from which data will be restored. Example: egwbackup_20040420_141110.tar.Z
Secure	Select this option to use the secure file transfer protocol (SFTP).
Non-Secure	Select this option to use the file transfer protocol (FTP). This option may be selected if the backup server is inside your firewall, and results in faster data transfers.
Backup	Click Confirm if you are performing a data backup.
Restore	Click Confirm if you are performing a data restore.
Cancel	Click Cancel to revert to the last saved settings in this window.

Utilities

Ping

Table 6 Ping Utility Properties

Field	Description
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Table 6 Ping Utility Properties (continued)

Destination Address	IP address of the device to contact.
Ping Count	<p>Number of pings that the device should return.</p> <p>The default is 4.</p> <p>Note To trace intermittent network problems, enter a high number of pings (example: 40). You can then check if any packets were dropped. To stop the ping operation, click the Cancel button on the ping execution page.</p>

Electronic Notification

Show Current Config

Table 7 Show Current Config Properties

Field	Description
Remote Software Server	Shows the IP address of the remote server that is monitored for software updates.
Remote User	Shows the name of a user configured on the remote server.
Upgrade Software Directory	Shows the name of the directory that is monitored for software updates.
Download Protocol	Shows one of the following: <ul style="list-style-type: none"> • sftp (default) • ftp
Interval or Frequency for EN Process	Shows one of the following: <ul style="list-style-type: none"> • Hourly • Daily (default) • Weekly • Monthly • Yearly • Once • None
Time to Run EN Process	Shows the time selected for the electronic notification.
Email IDs for Notification by EN Process	Shows the e-mail IDs of people who should receive the electronic notification.

Change or Set Config

Table 8 Change or Set Config Properties

Field	Description
Remote Software Server	IP address of the remote server that is monitored for software updates.
Remote User	Name of a user configured on the remote server.
Remote User Password	Password configured for this user on the remote server.
Upgrade Software Directory	Name of the directory that is monitored for software updates.
Download Protocol	Choose one of the following: <ul style="list-style-type: none"> • sftp (default) • ftp
Interval or Frequency for EN Process	Choose one of the following: <ul style="list-style-type: none"> • Hourly • Daily (default) • Weekly • Monthly • Yearly • Once • None
Please Enter the Time to Run EN Process	Time selected for the electronic notification in the format: YYYY-MM-DD HH:MM. Example: 2004-03:31 14:33

SNMP Setup

Access List

Table 9 SNMP Access List Properties

Field	Description
Access Name	Name of the access lists already created for the Cisco EGW 2200.
Network IP	IP addresses of the servers for which access lists have been created.
Port	Number of the physical port on each server for which access lists have been created.
Netmask	Network masks of the servers for which access lists have been created.

V1/V2 Communities

Table 10 SNMP V1/V2 Community Properties

Field	Description
Community Name	Names of community strings created for the Cisco EGW 2200.
Versions	All community strings created for the Cisco EGW 2200 can be used by SNMP v1 and SNMP v2c.
Privilege	Privilege level assigned to this community string: <ul style="list-style-type: none"> • ReadOnly • ReadWrite • ReadWriteNotify • NotifyOnly • ReadNotify
Access Permit	Access list assigned to this community string.

V1/V2C Traps

Table 11 SNMP V1/V2C Traps Properties

Field	Description
Destination IP	IP addresses of servers that will receive SNMP packets.
Versions	Assigned SNMP version: <ul style="list-style-type: none"> • snmpv1 • snmpv2c
Community	Assigned community string.
Notification Type	Selected notification type: <ul style="list-style-type: none"> • Inform • Trap

V3 Users

Table 12 SNMP V3 Users Properties

Field	Description
User Name	Names of users who can query SNMP agents.

Table 12 SNMP V3 Users Properties

Access Permit	Assigned access list for the user.
Privilege	Assigned privilege level for the user: <ul style="list-style-type: none"> • ReadOnly • ReadWrite • ReadWriteNotify • NotifyOnly • ReadNotify

System Info

Table 13 SNMP System Info Properties

Field	Description
SysName	Domain name for the local host.
SysContact	Name of a person to contact.
SysLocation	Location of the person identified as the system contact.

Software Upgrade

From Local Source

Table 14 Software Upgrade From Local Source Properties

Field	Description
Upgrade Software Directory on CD/DVD	Directory (on the CD or DVD) where the software upgrade is located.
Platform	Set to Linux (default).

From Remote Source

Table 15 Software Upgrade From Remote Source Properties

Field	Description
Remote Software Server	Host name or IP address of the remote server from which software will be downloaded.
Remote User	Name of a user configured on the remote server.
Remote User Password	Password configured for this user on the remote server.
Upgrade Software Directory	Name of the directory from which software is downloaded.

Table 15 Software Upgrade From Remote Source Properties

Download Protocol	Choose one of the following: <ul style="list-style-type: none">• sftp (default)• ftp
Platform	Set to Linux (default).

Show Current Version

The current version of the software on the Cisco EGW 2200 is displayed here.

Check Component Info

Table 16 Check Component Info Properties

Field	Description
Select a specific type of info to check	Choose one of the following: <ul style="list-style-type: none"> • Software Packages • Install • Post Install • Upgrade • Backup • Restore
Enter the specific file or directory	
Number of recent lines to retrieve	An integer; 0 retrieves the entire file and is not recommended for large files.

Routes

IP Routes

Table 17 IP Route Properties

Field	Description
IP Route Name	Name that is up to 10 alphanumeric characters and does not contain any spaces or dashes (-).
Priority	Priority for the route: <ul style="list-style-type: none"> • 1 (highest priority; default) • 2 If the destination is in a different subnet from local interface 1 or 2, use unique priorities for each local interface.
Dest Network	IP address or subnet of the destination node or network.
Network Mask	Netmask for the IP address of the destination node or network.

Table 17 IP Route Properties (continued)

Field	Description
Next Hop	IP address of a gateway used to route messages from the Cisco EGW 2200 network to the destination network. The Next Hop gateway must be on the same subnet as the local interface.
Local Interface	Indicates the Cisco EGW 2200 interface used to communicate with the destination network. The two interfaces in this menu correspond to the two IP addresses on the Platform Status page of Cisco Platform Administration.

Gateway Interfaces

Media Gateway

Table 18 Media Gateway Properties

Field	Description
Name	Name that is up to 10 alphanumeric characters and does not contain dashes (-).
Description	Indicates the function of this gateway in your network, up to 20 characters.
Gateway Type	Identifies the DPNSS or QSIG gateway from the following: <ul style="list-style-type: none"> • C3600 • C3660 • C2600 • C3745 • C3725 Identifies a PRI gateway from the following: <ul style="list-style-type: none"> • C3600 • C3660 • C2600 • C3745 • C3725 • AS5300 • AS5350 • AS5400 • AS5850

Table 18 Media Gateway Properties (continued)


Field	Description
Protocol Variant	<ul style="list-style-type: none"> For a DPNSS gateway, set to DPNSS_BTNR188 For a QSIG gateway, set to QSIG <p>The QSIG protocol contains these components: QSIG ECMA v2 for Cisco Unity support, and ECMA v2 and ETSI for toll bypass support.</p> <ul style="list-style-type: none"> For a PRI gateway, set to ETS_300_102  <p>Note A media gateway can only support one of the following: DPNSS, QSIG, or PRI. It cannot support multiple protocols.</p>
Dial Plan	<p>Identifies a dial plan. Visible only in the update mode</p> <p>Note A gateway can use one dial plan only.</p>
First IP Address	<p>First (primary) IP address for this gateway.</p> <p>This address is linked to the Cisco EGW 2200 Primary IP address.</p> <p>Note The second IP address is optional.</p> <p>Note The first and second IP addresses for this gateway can be located on the same or different subnets.</p> <p>Note If your network does not have alternate IP routes, the first gateway IP address must be located on the same subnet as the Cisco EGW 2200 primary IP address.</p> <p>Note If your network has alternate IP routes, the first gateway IP address can be located on a different subnet from the Cisco EGW 2200 primary IP address.</p>
IP Route	<p>This IP route is for the first IP address.</p> <ul style="list-style-type: none"> If the gateway is on the same subnet as the Cisco EGW 2200, select Local Route. If the gateway is on a different subnet, select from one of the IP routes in the drop-down menu. For information on adding IP routes, see Adding an IP Route.
Second IP Address	<p>(Optional.) Enter the second (secondary) IP address for this gateway.</p> <p>This address is linked to the Cisco EGW 2200 Secondary IP address (see the Cisco EGW status window).</p> <p>Note The first and second IP addresses for this gateway can be located on the same or different subnets.</p> <p>Note If your network does not have alternate IP routes, the first gateway IP address must be located on the same subnet as the Cisco EGW 2200 primary IP address.</p> <p>Note If your network has alternate IP routes, the first gateway IP address can be located on a different subnet from the Cisco EGW 2200 primary IP address.</p>

Table 18 Media Gateway Properties (continued)

Field	Description
IP Route	This IP route is for the second IP address. <ul style="list-style-type: none"> If the gateway is on the same subnet as Cisco EGW 2200, select Local Route. If the gateway is on a different subnet, select from one of the IP routes in the drop-down menu. For information on adding IP routes, see Adding an IP Route.
Gateway Host Name	Name for the gateway that was assigned at the time of its configuration. This entry must be the same as the host name configured on the gateway.
MGCP Port	Port number used by MGCP. The default is 2427. Note This entry must match the actual port used on the gateway. MGCP is the Media Gateway Control Protocol defined by RFC3435. Cisco EGW 2200 uses this protocol to control bearer connections on the gateway.
Session Set/ Association Port	Port number used by the session set or association port. The default for the association port is 9900. Note This entry must match the actual port used on the gateway. Session set is a Session Manager term. Session Manager and Reliable UDP are used for backhauling QSIG and PRI ISDN signaling. Association is a SCTP term. SCTP is used for backhauling DPNSS signaling.
DUA/SCTP Properties (Visible only in the add mode)	
Note These properties may need to be changed if the media gateway is at a remote location.	
Maximum Retransmission Timer	Maximum value allowed for the retransmission timer. The default is 3000.
Heartbeat Timeout	Time between heartbeats. The heartbeat is value plus the current timeout value. The default is 2000.
Maximum Retransmissions to Peer Destination	Maximum number of transmissions to either the primary or secondary peer address before the transmission is declared a failure.
Maximum Retransmissions to All Destinations	Maximum number of transmissions to all destinations before the transmission is declared a failure.
MGCP Status (Visible only in the update mode)	
Transport Link 1 (<i>gateway name-mgcp-ip1</i>)	Enables you to activate or deactivate transport links. Depending on the number of network interfaces available on Cisco EGW, one or two transport links are displayed in this window.
Transport Link 2 (<i>gateway name-mgcp-ip2</i>)	For each transport link, select one of the following: <ul style="list-style-type: none"> In Service Out of Service

Table 18 Media Gateway Properties (continued)

Field	Description
Backhaul Status (Visible only in the update mode)	
Transport Link 1 (<i>gateway name-bh-asso</i>)	<p>Status of the backhaul association (DPNSS) or session set (QSIG and PRI).</p> <p>Note For QSIG and PRI gateways, two backhaul transport links are displayed, whereas for DPNSS gateways, a single backhaul transport link is displayed.</p> <p>One of the following is displayed:</p> <ul style="list-style-type: none"> • IS (In Service) • OOS (Out of Service)

Gateway Properties

Table 19 Gateway Properties

Field	Description
Gateway Name	Name of the gateway.
Audit on State Change to IS	<p>Select Enable to initiate an audit on gateway endpoints when Cisco EGW receives an IS (in service) state change message.</p> <p>This option is enabled by default.</p> <p>Note If you are performing service upgrades, do not select this option.</p>
Gateway Default Codec	<p>If you want to force the use of a particular codec for calls on this gateway, select a codec string:</p> <ul style="list-style-type: none"> • G.711_U • G.711_A • G.729_U • G.729_A • G.729_B • NULL (default)
Gateway Protocol Version	<p>Select one of the following:</p> <ul style="list-style-type: none"> • MGCP 1.0 • MGCP 0.1 <p>Check that this selection is consistent with settings provisioned on the gateway.</p>
Initialize Endpoint	<ul style="list-style-type: none"> • Select Enable to enable gateway endpoints when the Cisco EGW 2200 starts operation. • Select Disable if this type of gateway sends RestartInProgress (RSIP) messages. In this case, the gateway endpoints are disabled when the Cisco EGW 2200 starts operation.
Note	If you do not enter values in the next two fields, the defaults are applied.


Table 19 Gateway Properties (continued)

Field	Description
MGCP Retransmit Count	Enter the number of times that a message is retransmitted before an MGCP connection failure is declared. The default value is 3.
MGCP Retransmit Timer	Enter the interval in milliseconds before retransmitting an MGCP message. The default value is 2000.

T1/E1*Table 20 T1/E1 Properties*

Field	Description
Gateway Name	Name of the gateway.
Signaling Slot	Physical slot on the gateway where the T1/E1 card is installed.
Signaling Port	Physical port on the T1/E1 card.
E1/T1	Select E1 or T1 from the drop-down menu. E1 adds 31 trunks on the span, whereas T1 adds 23 trunks.
Trunk Selection Sequence	<p>Note Check the trunk selection sequence on other side of the span, and select a different sequence for this side of the span.</p> <p>Select a sequence for trunk selection on this side of the span:</p> <ul style="list-style-type: none"> • Ascending • Descending • Least Idle • Most Idle • Random • Cyclic Ascending—Trunks are selected in ascending order, but the starting trunk is the one before the trunk used in the last successful call. • Cyclic Descending—Trunks are selected in descending order, but the starting trunk is the one after the trunk used in the last successful call.

Table 20 T1/E1 Properties (continued)

Field	Description
Signaling Path State (<i>gateway name-signaling slot-signaling port-path</i>)	<p>Where:</p> <p><i>gateway name</i>—is the gateway where the span is located.</p> <p><i>signaling slot</i>—is the physical slot in which the T1/E1 card is located.</p> <p><i>signaling port</i>—is the physical port on the T1/E1 card.</p> <p><i>path</i>—indicates that the preceding values describe a signaling path.</p> <p>Visible only in update mode. Select one of the following:</p> <ul style="list-style-type: none"> • In Service • Out Of Service
Call Trace (30 minutes)	<p>Select ON or OFF.</p> <p>The default is OFF.</p> <p>Visible only in update mode. The Call Trace time is not user-selectable.</p> <p></p> <p>Caution If you select the ON option for Call Trace, call processing on your system is impacted.</p>
Trunks (Visible only in update mode)	
Trunk	Lists the number of trunks in this span. An E1 span contains 30 trunks, whereas a T1 span contains 23 trunks.
Call State	<p>Displays the call status of each trunk represented by one of the following values:</p> <ul style="list-style-type: none"> • IDLE—Indicates that there is no call on this trunk. • IN—Indicates that there is an incoming call on this trunk. • OUT—Indicates that there is an outgoing call on this trunk.
Connection to Endpoint	<p>Displays one of the following messages showing the status of the gateway connection to its endpoint:</p> <ul style="list-style-type: none"> • CARRIER_FAILURE—Indicates that the individual CIC has failed. If this state appears for all CICs associated with a T1 or E1, this indicates that the associated T1 or E1 has failed. • GW_HELD—Indicates that the connection is being held at the media gateway. This occurs due to a command timeout or an unexpected response. This state applies only to the active Cisco EGW 2200 server. • CXN_IS—Indicates that the connection is in service on the active Cisco EGW server. • CXN_OOS_ACTIVE—Indicates that the connection is out of service on the active Cisco EGW 2200 server. • CXN_OOS_STANDBY—Indicates that the connection is out of service on the standby Cisco EGW 2200 server.

DPNSS T1/E1 Properties

Table 21 DPNSS T1/E1 Properties

Field	Description
Span Name	Name of the T1 or E1 span created when adding a span to the gateway.
Compression	Select the type of G.711 compression used on the trunk group: <ul style="list-style-type: none"> • None • u-law • a-law (default) • Clear channel
VPN Offnet Profile Index	Value from 1 to 8 representing a VPN-OFF NET profile table indices for a trunk group. The default is 5. 1—Indicates that complete feature-transparent operation is required for the call to be completed. 2—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 3—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 4—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 5—Sets to indicate that the attempted feature will be removed from the onward routed call, and the indicator is informed of this. 6—Sets to release a feature call. 7—Sets to release a feature call. 8—Sets to remove the feature string and continue.

Table 21 DPNSS T1/E1 Properties (continued)

Field	Description
VPN Onnet Profile Index	<p>Enter a value from 1 to 8 representing a VPN-ON NET profile table indices for a trunk group.</p> <p>The default is 5.</p> <p>1—Indicates that completely transparent operation is required for the call to be completed.</p> <p>2—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>3—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>4—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>5—Sets to indicate that the attempted feature will be removed from the onward routed call, and the indicator is informed of this.</p> <p>6—Sets to release a feature call.</p> <p>7—Sets to release a feature call.</p> <p>8—Sets to remove the feature string and continue.</p>
T.38 Fax Support	<p>Select this for T.38 fax support on the trunk group.</p> <p>This property must be enabled on the incoming and outgoing trunk groups for T.38 fax calls to be successfully routed.</p>
Glare	<p>This field allows you to control potential collision between incoming and outgoing calls. The signaling stack resolves situations in which both sides attempt to place a call at the same time by determining the X and Y designation for each call. Under the DPNSS protocol, if both sides attempt to place outbound calls at the same time, side X continues with its outbound call and side Y drops its outbound call attempt.</p> <p>Choose one of the following:</p> <ul style="list-style-type: none"> • X Side—Specifies that the Cisco EGW 2200 ignores the incoming ISRM and will continue the outgoing call. • Y Side—Specifies that the Cisco EGW 2200 accepts the incoming ISRM and will attempt to complete the call by selecting a new channel. <p>Note The DPNSS protocol works even if both sides are designated X or Y. However, glare is not resolved correctly in this situation.</p>
Feature Transparency	<p>Enable or disable QSIG feature transparency for all calls on the Cisco EGW 2200. When enabled, QSIG supplementary services and any currently unreferenced QSIG data items can be transmitted over an outgoing QSIG signaling link.</p> <p>This feature is enabled by default.</p>

Table 21 DPNSS T1/E1 Properties (continued)

Field	Description
Loop Avoidance Support	When a call is transferred, if the dial plan is not configured properly, the call could get into a transfer loop resulting in network congestion. Select this option to eliminate call transfer loops; this option is disabled by default.
Loop Avoidance Counter	If you have selected loop avoidance support, specify the number of hops that the call transfer completes before the call is dropped. Enter a value between 0 and 25. The default is 8. Note If you do not enter a value in this field, the default is selected.
Incoming Calling Display Name	Select this to display the calling name of incoming calls. The default is disabled.
Outgoing Calling Display Name	Select this to display the calling name of outgoing calls. The default is disabled.
Incoming Connected Number Display	Select this to display the connected number of incoming connected calls. The default is disabled.
Outgoing Connected Number Display	Select this to display the connected number of outgoing connected calls. The default is disabled.
Message Waiting Indicator Off String	Message Waiting Indicator (MWI) string for the PBX or Null (default). If you enter Null, Cisco EGW 2200 will not support MWI interworking for MWI Off. Note If you do not enter a value in this field, the default (NULL) is selected.
Message Waiting Indicator On String	Message Waiting Indicator (MWI) string for the PBX or Null (default). If you enter Null, Cisco EGW 2200 will not support MWI interworking for MWI On. Note If you do not enter a value in this field, the default (NULL) is selected.
Call Origination Overlap Signaling	Enables or disables overlap signaling for call termination to this traffic path. The default is enabled.
EGW Routing Number (Route Optimization)	Enter the routing or network number of the Cisco EGW 2200 in a PBX network that requires route optimization or path replacement capabilities. The presence or absence of this property also acts as an indication of whether this service is enabled or disabled for a signaling path. Enter a string that is up to 16 characters in length, or NULL (default). Note If you do not enter a value in this field, the default (NULL) is selected.

Table 21 DPNSS T1/E1 Properties (continued)

Field	Description
Wait For Answer Timer (sec)	Specify the number of seconds the gateway waits before determining that the destination for the call is unavailable or unreachable. Enter a value between 0 and 300 seconds. The default is 65.
Trigger for SDP Transmit to H.323	Specify the point in the call when the Cisco EGW 2200 sends the SDP from the terminating call leg to H.323. Choose one of the following: 0—Terminating seizure 1—Address complete (default) 2—Alerting or inband information available 3—Answer

QSIG T1/E1 Properties**Table 22 QSIG T1/E1 Properties**

Field	Description
Span Name	Name of the T1 or E1 span created when adding a span to the gateway.
Compression	Select the type of G.711 compression used on the trunk group: <ul style="list-style-type: none"> • None • u-law • a-law (default) • Clear channel
VPN Offnet Profile Index	Value from 1 to 8 representing a VPN-OFF NET profile table indices for a trunk group. The default is 2. 1—Indicates that completely transparent operation is required for the call to be completed. 2—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 3—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 4—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call. 5—Sets to indicate that the attempted feature will be removed from the onward routed call, and the indicator is informed of this. 6—Sets to release a feature call. 7—Sets to release a feature call. 8—Sets to remove the feature string and continue.

Table 22 QSIG T1/E1 Properties (continued)

Field	Description
VPN Onnet Profile Index	<p>Value from 1 to 8 representing a VPN-ON NET profile table indices for a trunk group.</p> <p>The default is 2.</p> <p>Note: Enter 1 only if all your calls will be on-net, and all features are required to be mandatory. Enter 2 or 5 if you will make a mix of on-net and off-net calls.</p> <p>1—Indicates that completely transparent operation is required for the call to be completed.</p> <p>2—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>3—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>4—Sets to feature transparency preferred by a nontransparent destination and can be used if necessary to complete the call.</p> <p>5—Sets to indicate that the attempted feature will be removed from the onward routed call, and the indicator is informed of this.</p> <p>6—Sets to release a feature call.</p> <p>7—Sets to release a feature call.</p> <p>8—Sets to remove the feature string and continue.</p>
T.38 Fax Support	<p>Select this for T.38 fax support on the trunk group.</p> <p>This property must be enabled on the incoming and outgoing trunk groups for T.38 fax calls to be successfully routed.</p>
Glare	<p>This field allows you to control potential collision between incoming and outgoing calls. The signaling stack resolves situations in which both sides attempt to place a call at the same time by determining the A and B designation for each call. Under the QSIG protocol, if both sides attempt to place outbound calls at the same time, side A continues with its outbound call and side B drops its outbound call attempt.</p> <p>Choose one of the following:</p> <ul style="list-style-type: none"> • A Side—Specifies that the EGW will ignore the incoming SETUP message and will continue the outgoing call. • B Side—Specifies that the EGW will accept the incoming SETUP message and will attempt to complete the call by selecting a new channel. <p>Note The QSIG protocol works even if both sides are designated A or B. However, glare is not resolved correctly in this situation.</p>
Feature Transparency	<p>Enable or disable QSIG feature transparency for all calls on the Cisco EGW 2200. When enabled, QSIG supplementary services and any currently unreferenced QSIG data items can be transmitted over an outgoing QSIG signaling link.</p> <p>This feature is enabled by default.</p>
Note	If you do not enter a value in the next two fields, the defaults are applied.

Table 22 QSIG T1/E1 Properties (continued)

Field	Description
Message Waiting Indicator Invoke Timer	Specify a value in the range 0 through 20000 ms. The default is 15000. This field configures the timer that invokes QSIG Message Waiting Indicator (MWI) supplementary services.
SSCT Invoke Timer	Specify a value in the range 50000 through 180000 ms. The default is 50000. This field configures the timer that invokes QSIG SSCT supplementary services.
Complete Single Step Transfer on Connect/Alert	This is the ability for single step transfer to complete after a connection or alert, and is used for supporting Cisco Unity with QSIG. For release transfer to work, select Enable . Select one of the following: <ul style="list-style-type: none"> • Enable • Disable (default)
Note If you do not enter a value in the next four fields, the defaults are applied.	
T309 Timer (ms)	Specify a value in the range 6000 through 90000 ms for the NT309 timer. The default is 90000.
T310 Timer (ms)	Specify a value in the range 3000 through 120000 ms for the NT310 timer. The default is 10000.
RUDP Retransmission Counter	Specify the maximum number of retransmissions by entering a value in the range 1 through 100; the default is 2.
RUDP Retransmission Timeout	Specify the retransmission timeout by entering a value in the range 2 through 100; the default is 6.
Wait For Answer Timer (sec)	Specify the number of seconds the gateway will wait before determining that the destination for the call is unavailable or unreachable. Enter a value between 0 and 300 seconds. The default is 65.
Trigger for SDP Transmit to H.323	Specify the point in the call when the Cisco EGW 2200 sends the SDP from the terminating call leg to H.323. Choose one of the following: <ul style="list-style-type: none"> 0—Terminating seizure 1—Address complete (default) 2—Alerting or inband information available 3—Answer

Call Manager Interfaces

H.323

Table 23 H.323 Properties

Field	Description
Gatekeeper Details	
Gatekeeper Name	Enter the name of the gatekeeper as provisioned on the device itself.
Gatekeeper IP Address	Enter the IP address of the gatekeeper.
Gatekeeper Port	Enter the gatekeeper IP port. The default is 1719.
Terminal Alias	
Node ID	Enter a value for identification purposes. Your entry does not affect network operation.
H323 Interface	
RAI Support	Select this option to enable resource availability indicator (RAI) support.
Notify Enabled	Select this to pass the connected number to the H.323 interface and then to Cisco CallManager.
Screening/Presentation	Select this to support calling line identification presentation (CLIP) and calling line identification restriction (CLIR) via screening and presentation indicators.
T.38 Fax Support	Select this to enable T.38 fax support.
Redirecting Number	Select this to pass the redirecting number on the H.323 interface to Cisco CallManager.
DMTF Support Direction	Choose one of the following: <ul style="list-style-type: none"> • Both • TX—Transmit direction • RX—Receive direction
DMTF Support Type	Choose one of the following: <ul style="list-style-type: none"> • DTMF • Basic
Codecs	

Table 23 H.323 Properties (continued)

Field	Description
G.711 A-law G.711 U-law	Select one of the following packetization values, where fpp is frames per packet: <ul style="list-style-type: none"> • 10 fpp (10 ms packetization period, 80 bytes per packet) • 20 fpp (default; 20 ms packetization period, 160 bytes per packet) • 30 fpp (30 ms packetization period, 240 bytes per packet)
G.723.1 MaxAudioFrames	Select the maximum number of audio frames to be transmitted in a packetization period, from 1 fpp to 9 fpp, where fpp is frames per packet: <ul style="list-style-type: none"> • 1 fpp (default; 30 ms packetization period, 24 bytes per packet) • 2 fpp (60 ms packetization period, 48 bytes per packet) • . • . • 9 fpp (270 ms packetization period, 216 bytes per packet)
G.723.1 SilenceSuppression	Silence suppression (also called Voice Activity Detection or VAD) causes the media gateway to monitor signals for voice activity so that when silence is detected for a specified amount of time, the encoder output is not transmitted across the network in order to avoid using bandwidth for periods of silence. <p>Choose one of the following:</p> <ul style="list-style-type: none"> • Enable (default) • Disable
G.729 G.729a G.729b	Select a packetization value from 1 fpp through 10 fpp, where fpp is frames per packet: <ul style="list-style-type: none"> • 1 fpp (10 ms packetization period, 10 bytes per packet) • 2 fpp (default; 20 ms packetization period, 20 bytes per packet) • . • . • 10 fpp (100 ms packetization period, 100 bytes per packet)
Prefixes	Enter a prefix, click add more prefixes if you require additional prefixes.

Table 23 H.323 Properties (continued)

Field	Description
Note Specify at least one prefix	
EISUP	
Incoming Calling Name Display	Select this to display the calling name of incoming calls. The default is disabled.
Outgoing Calling Name Display	Select this to display the calling name of outgoing calls. The default is disabled.
Incoming Connected Number Display	Select this to display the connected number of incoming connected calls. The default is disabled.
Outgoing Connected Number Display	Select this to display the connected number of outgoing connected calls. The default is disabled.
Wait For Answer Timer	Indicates the timer duration in seconds.
Dial Plan	Select a dial plan from the menu.
H323 Signaling Links and Paths Status	
Transport Link 1 (<i>h323-transport link number-ip</i>) Transport Link 2 (<i>h323-transport link number-ip</i>) Signaling Path 1 (<i>h323-signal path number-path</i>) Signaling Path 2 (<i>h323-signal path number-path</i>)	If your Cisco EGW 2200 is running in a fault-tolerant configuration, and the H.323 interface on the peer is configured and running properly, two transport links and signaling paths are displayed in this window. Select one of the following: <ul style="list-style-type: none"> • In Service • Out of Service If you activate transport link 1 or 2, its corresponding signaling path (1 or 2) is activated as well, and vice versa. Both the transport link and signaling path will be in the same state.
Call Trace (30 minutes)	
Signaling Path 1 (<i>h323-signal path number-path</i>) Signaling Path 2 (<i>h323-signal path number-path</i>)	Run a thirty minute call trace on the signaling path. Select one of the following: <ul style="list-style-type: none"> • ON • OFF The second signaling path is visible if it has been configured.

CTI Manager

Table 24 CTI Manager Properties

Field	Description
CTI Manager	Enter a name that is up to 10 alphanumeric characters and does not contain dashes (-).
Description	Enter up to 20 characters; use this field to indicate the function of this interface in your network.
CTI Manager Version	Enter the version of CTI Manager that you are running. Cisco EGW 2200 supports version 5 of CTI Manager. Note The CTI Manager version may be different from the version of Cisco CallManager on your system.
Signaling Status	Activate or deactivate the CTI path by selecting one of the following: <ul style="list-style-type: none"> • In Service • Out of Service
Call Trace (30 minutes)	Enables tracing of calls on this interface. Select one of the following: <ul style="list-style-type: none"> • ON • OFF Note Since the signaling path is common to all AXL servers and CTI Managers in a Cisco CallManager cluster, and Cisco EGW 2200 supports one Cisco CallManager cluster only, starting a call trace from either the AXL server or CTI Manager traces all calls to the Cisco CallManager cluster.
Network Information	
Local Interface	Select the EGW host interface used to communicate with the CTI manager: <ul style="list-style-type: none"> • EGW_IP_Addr1 • EGW_IP_Addr2 The two interfaces in this menu correspond to the two IP addresses on the Platform Status page of Cisco Platform Administration.
CTI Manager IP Address	Enter the IP address of the CTI Manager in Cisco CallManager.
IP Route	<ul style="list-style-type: none"> • If the CTI manager is on the same subnet as Cisco EGW, select Local Route. • If the CTI manager is on a different subnet, select from one of the IP routes in the drop-down menu.

Table 24 CTI Manager Properties (continued)

Field	Description
Port	Displays the default port number 2748.
Properties	
Callback Timeout when Next Used (min)	Enter the timeout value for the CallBack when Next Used feature. Enter a value in the range 100 to 1500 minutes; the default is 180.
Callback Timeout when Next Free (min)	Enter the timeout value for the CallBack when Next Free feature. Enter a value in the range 60 to 180 minutes; the default is 180.
Maximum Callbacks Queued	Enter the maximum number of CallBack requests that can be queued. Enter a value in the range 1 to 50; the default is 10.
CTI Manager Username	Enter the user name that is configured on the CTI Manager in Cisco CallManager.
CTI Manager Password	Enter the password (for the user name) that is configured on the CTI Manager in Cisco CallManager.
Re-type Password	Verify the password.

AXL Servers

Table 25 AXL Servers Properties

Field	Description
AXL Server Name	Enter a name that is up to 10 alphanumeric characters and does not contain dashes (-).
Description	Enter up to 20 characters; use this field to indicate the function of this server in your network.
Signaling Status	Activate or deactivate the AXL server path by selecting one of the following: <ul style="list-style-type: none"> • In Service • Out of Service
Local Interface	Select the EGW host interface used to communicate with the AXL server: <ul style="list-style-type: none"> • EGW_IP_Addr1 • EGW_IP_Addr2 <p>The two interfaces in this menu correspond to the two IP addresses on the Platform Status page of Cisco Platform Administration.</p>
AXL Server IP Address	Enter the IP address of the AXL server in Cisco CallManager.

Table 25 AXL Servers Properties (continued)

Field	Description
IP Route	<ul style="list-style-type: none"> If the AXL server is on the same subnet as Cisco EGW 2200, select Local Route. If the AXL server is on a different subnet, select one of the IP routes in the drop-down menu.
Port	Displays the default port number 80.
Call Trace (30 minutes)	<p>Enables tracing of calls on this interface. Select one of the following:</p> <ul style="list-style-type: none"> ON OFF <p>Note Since the signaling path is common to all AXL servers and CTI Managers in a Cisco CallManager cluster, and Cisco EGW 2200 supports one Cisco CallManager cluster only, starting a call trace from either the AXL server or CTI Manager traces all calls to the Cisco CallManager cluster.</p>
AXL Server Username	Enter the user name that is configured on the AXL server in Cisco Call Manager.
AXL Server Password	Enter the password (for the user name) that is configured on the AXL server in Cisco Call Manager.
Re-type Password	Verify the password.

Unity Interfaces

SIP

Table 26 SIP Properties

Field	Description
Dial Plan	Select a dial plan to be used for calls on the SIP interface.
Enable Virtual IP Address	<ul style="list-style-type: none"> If you entered SIP wizard virtual addresses during Cisco EGW installation, the value true is displayed in this field. If you left the SIP wizard virtual address fields empty during Cisco EGW installation, the value false is displayed in this field.
Virtual IP Address 1	<p>This field is displayed only if the Enable Virtual IP Address field contains a value of true.</p> <p>Enter the first virtual IP address to be used in the SIP failover configuration.</p>

Table 26 SIP Properties

Field	Description
Virtual IP Address 2	This field is displayed only if the Enable Virtual IP Address field contains a value of true. (Optional.) Enter the second virtual IP address to be used in the SIP failover configuration.
Transport Link 1 (sip-link1) Transport Link 2 (sip-link2)	Select one of the following: <ul style="list-style-type: none"> • In Service • Out of Service The second transport link is optional depending on the number of Cisco EGW interfaces or virtual IP interfaces. Note If a SIP phone is on the same subnet as Cisco EGW, and the SIP link is disabled, the phone cannot be accessed by the second SIP link (if present) on Cisco EGW. Recommendation: Install SIP on a different subnet.
Call Trace (30 minutes)	Enables tracing of calls on this interface. Select one of the following: <ul style="list-style-type: none"> • ON • OFF

Unity/Proxy Servers

Table 27 Unity/Proxy Servers Properties

Field	Description
Server Name	Enter a name that is up to 10 alphanumeric characters and does not contain dashes (-).
DNS Name or IP Address	Enter a URL containing the domain name server (DNS) name or IP address for either the Cisco Unity server or the proxy server. Note If you are using a proxy server, enter the DNS name or IP address of the proxy server in this field. Then, from the proxy server, configure the connection between the proxy server and the Cisco Unity server.
SIP Port Number	Enter the port number on the SIP server. The default is 5060.
SIP Version	Select a version from the drop-down menu.

Dial and Route Plans

Standard Route Plans

Table 28 Standard Route Plans Properties

Field	Description
Name	Enter an alphanumeric name that is up to 15 characters. Cisco EGW adds the -std suffix.
Random Distribution	Select this to distribute calls among random routes in a route plan, and thereby balance traffic. If this box is not checked, sequential distribution (default) is in effect.
Sequential Distribution	Select this to distribute calls among a sequential selection of routes. Default behavior is to randomly select routes in a route plan, and thereby balance traffic.
Available Routes	Displays the routes that were created when adding gateways, the H.323 interface, and Unity server interfaces.

Time of Day Route Plans

Table 29 Time of Day Route Plans Properties

Field	Description
Name	Enter an alphanumeric name that is up to 15 characters. Cisco EGW 2200 adds the -tod suffix.
Default Route Plan	Select a route plan from the drop-down list. This selection is used if the route plan selected later does not fit the selected time range.
Days of Week	Select the days on which this time-of-day route will be used.
Start Time End Time	Enter a start and end time in the format hh:mm Where: <ul style="list-style-type: none"> • hh—the hour • mm—minutes in 15-minute increments Example: 09:15, 16:45.
Route Plans	Select a route plan from the drop-down list.

Dial Plans

Table 30 Dial Plans Properties

Field	Description
Name	Enter a name that is up to four alphanumeric characters and does not contain dashes (-).
CCM MWI On Number	Enter the phone number which will turn on the Message Waiting Indication (MWI) light when a message is left on this line. Note This number should also be provisioned on Cisco CallManager. If you do not specify a number, Cisco EGW 2200 will not support MWI interworking from a DPNSS TDM-based voice mail system to the Cisco CallManager phones.
CCM MWI Off Number	Enter the phone number which turn off the Message Waiting Indication light on IP phones. Note This number should also be provisioned on Cisco CallManager. If you do not specify a number, Cisco EGW 2200 will not support MWI interworking from a DPNSS TDM-based voice mail system to the Cisco CallManager phones.
Calling Numbers	
Digit String	Enter one of the following: <ul style="list-style-type: none"> • Phone number (example: 703 444 555) • Prefix (example: 703) Note If you enter a digit string, you must enter information in either the Digits to Remove or Prefix Digit String field, but not both.
Digits to Remove	Enter a number from 0 through 32. To remove the entire number, regardless of the number of digits it contains, enter the value "99"
Prefix Digit String	(Optional.) Enter a string to prefix to the digit string (phone number).
Add more numbers	Click this to add rows to the Calling Numbers table. You can enter up to 1000 phone numbers.
Called Numbers	
Digit String	Enter one of the following: <ul style="list-style-type: none"> • Phone number (example: 703 444 555) • Prefix (example: 703) Note If you enter a digit string, the Digits to Remove and Prefix Digit String fields are optional, but you must select a route plan.
CCM MWI	Check this to send a message waiting indication (MWI) to the Cisco CallManager (CCM) MWI on and off numbers.

Table 30 Dial Plans Properties (continued)

Field	Description
Digits to Remove	(Optional.) Enter a number from 0 through 32. To remove the entire number, regardless of the number of digits it contains, enter the value "99"
Prefix Digit String	(Optional.) Enter a string to prefix to the digit string (phone number).
Route Plan	Select a route plan from the drop-down menu. This can be either a standard route plan (ends with -std) or a time-of-day route plan (ends with -tod).
Add more numbers	Click this to add rows to the Called Numbers table. You can enter up to 1000 phone numbers.

Diagnostics

Alarms

Table 31 Alarms Properties

Column	Description
Select	Select the alarms that you will diagnose.
EGW Component	Indicates the component on which the alarm occurred.
Date and Time	Indicates the date and time when the alarm occurred.
Category	Displays the alarm message. For an explanation of these alarms, see Cisco EGW Alarms .
Severity	Displays one of the following: <ul style="list-style-type: none"> • CR (critical)—Indicates that a critical problem has occurred and the active server will switch over to the standby server (if the Cisco EGW 2200 is running in a duplex configuration). Clear these alarms immediately. • MJ (major)—Indicates that a problem is disrupting service. Major alarms differ from critical alarms in that they do not cause a server switch over. Clear these alarms immediately. • MN (minor)—Indicates that a problem has occurred that should be noted and cleared as soon as possible. • I (Information)—Indicates statistical or otherwise informational messages from the Cisco EGW 2200 that do not affect system operation.
MGC/H323	Identifies the component where the alarm is generated.

Call History

Table 32 Call History Properties

Field	Description
From (yyyy-mm-dd hh:mm:ss) To (yyyy-mm-dd hh:mm:ss)	Enter the duration (beginning and ending date and time) of calls to be displayed. Example: (From) 2004-04-25 16:24:20; (To) 2004-05-03 15:07:49. Note If the From date or time is later than the To date or time, the number of calls returned is 0.
Search Pattern	Select one item from the first menu: <ul style="list-style-type: none"> • All Calls • Call Ref ID—Unique ID assigned by Cisco EGW 2200. • Calling Number—Source of the phone call. • Called Number—Destination of the phone call. Select one item from the second menu: <ul style="list-style-type: none"> • Equals—Selects a search for an exact match. • Starts with—Selects a search for a range of numbers. In the third field, enter one of the following: <ul style="list-style-type: none"> • Complete or partial call reference ID • Complete or partial phone number • Null—Suppresses display of the call history unless you fill out the search criteria. Note To display all calls, select any item in the first menu, the Starts with option in the second menu, and enter " " in the third field.
Call Ref ID	Displays a unique identifier that is assigned automatically.
Calling Number	Shows the source of the call.
Called Number	Shows the destination of the call.
Time Stamp	Shows when the call was started.
Duration Minutes	Shows call duration.
Reason Code	Displays the hexadecimal reason code. These reason codes correspond to call results which are explained in Cisco EGW Reason Code Translations .

Collect Diagnostics

Table 33 Collect Diagnostics Properties

Field	Description
Transfer Mode	Choose the transfer mode for the diagnostics file: <ul style="list-style-type: none">• Secured (default)• Unsecured.
Server Name	Name of a server to which the diagnostics file is sent.
User ID	Name of a user account on the specified server.
Password	Password for the user account.