



Microsoft Live Communication Server 2005 Enterprise Edition with SP1 to Cisco Unified Presence 1.0(3) and Cisco Unified CallManager 5.0(4)

February 8, 2007 Revision 2

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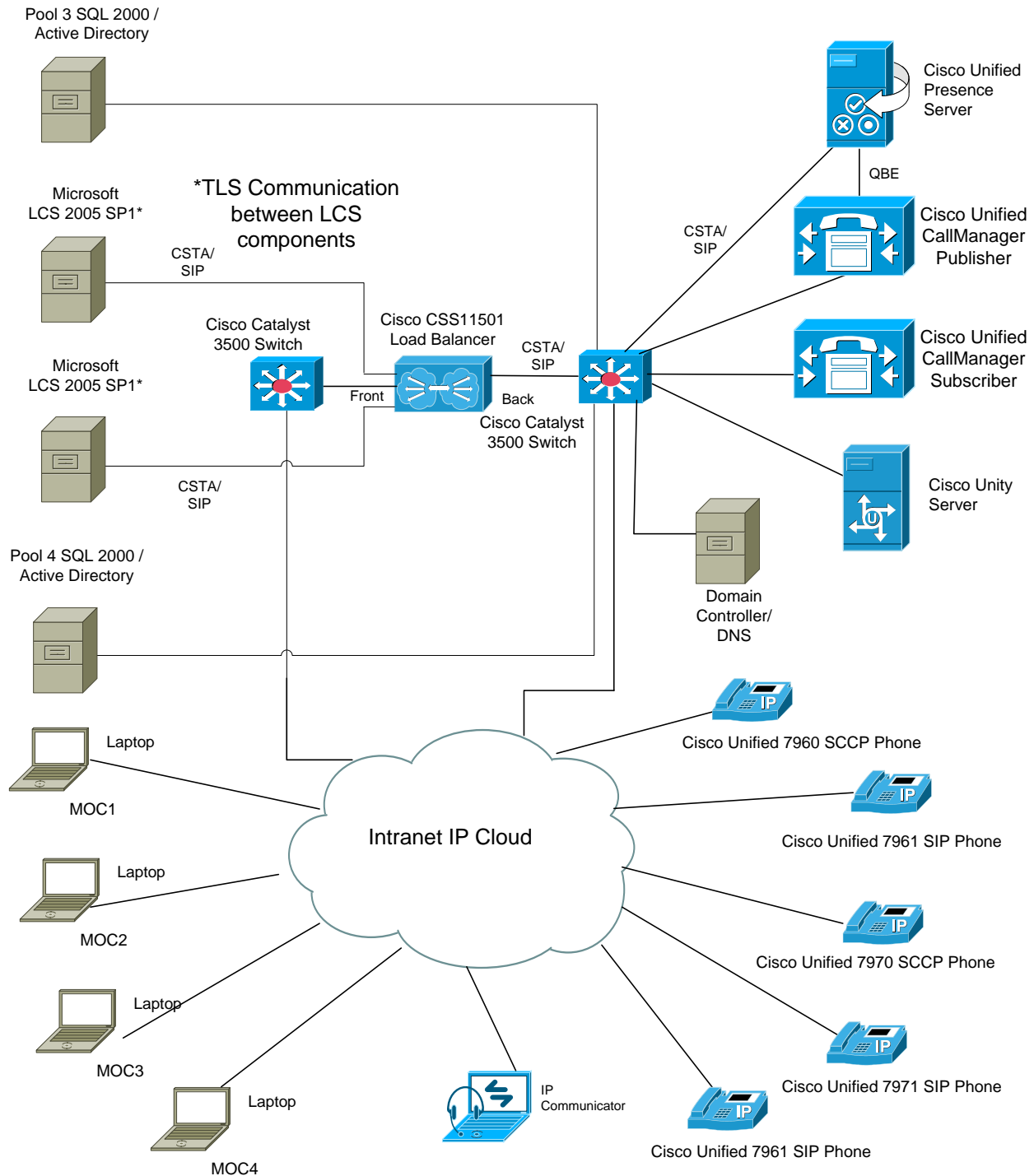
Introduction

This document was jointly put together by Cisco Systems, Inc. and Microsoft to show feature interoperability and to document the steps and configurations necessary for Cisco Unified CallManager (CUCM) 5.0 and Cisco Unified Presence (CUPS) 1.0(3) to interoperate with the Microsoft Live Communication Server (LCS) 2005 Enterprise Edition SP1. These features include Microsoft Office Communicator (MOC) features, Desktop (DTP) or IP Phone features, Cisco Unified CallManager (CUCM) administration, configuration and provisioning and CUPS device identification. It aims to provide a good understanding of what works and what does not work in terms of the feature interaction between various components of the CUCM, CUPS and LCS. It also provides guidance to deployment participants of the limitations, expected behaviors as well as known issues. Please note that this document does not address performance and scalability which are part of broader criteria for a deployment-ready solution.

As shown in the Network Topology diagram, interoperability testing was performed between the CUPS and the LCS using multiple LCS pools with a Cisco CSS1501load balancer front-ended to the CUPS.

Network Topology

Figure 1. Basic Call Setup





Limitations

The following section lists known limitations, caveats, or integration issues.

Multiple Point of Presence (MPOP): As of the CUPS release 1.0(3), the MPOP feature where a MOC user is logged in from more than one location is not supported by CUPS. Support for this feature affects other interoperability features between the Cisco CUPS and the Microsoft LCS. The affected features include basic placement and teardown of calls and locations-based call forwarding. These features are inherent to MPOP and without support for this feature, the user experiences loss of device and call control when logged in multiple locations.

Call Forward Setting on DTP or IP Phone: Call forward setting made on the Cisco IP Phone (Desktop) is not recognized and reflected by the MOC GUI. As of the current release of the Microsoft LCS, this feature is not supported. Thus, the MOC overrides any call forward setting manually configured on the DTP.

DTMF Digits: Using the MOC dial pad to enter digits presented an issue when a MOC user enters the digits in a relatively fast manner. Some digits may be dropped during the communication signaling between the CUPS and CCM. As a result, user may experience invalid entry when interacting with devices such as voicemails and IVR systems.

Shared Lines: There are potential unwanted interactions that may occur in shared line scenarios. The CUPS procedure for selecting the device to be controlled by MOC is to log in the MOC session. Upon sign-in, both devices associated with shared line will ring and the MOC user must answer the phone the user wishes to control. The unwanted feature interaction in this case include conflict in device and call control and indefinite ringing in cases where the user is away from both devices. This issue is also applicable for devices subscribed to extension mobility where selection of device to control procedures is similar to shared lines.

Do not Disturb (DND): DND is an unsupported feature with respect to CUPS integration. Thus, any MOC client with DND feature enabled, will still have any received call routed to its controlled DTP.

Transport Layer Security (TLS) connection between CUPS and LCS: With TLS enabled between CUPS and LCS server, MOC user is unable to exercise CTI control with hardware loadbalancer installed..

System Components

Hardware Requirements

The following hardware is required:

Cisco Hardware and Interface Cards

Cisco Unified Presence (MCS 7825H)

Cisco Unified CallManager (MCS 7845H)

Cisco Catalyst 3560

Cisco Load Balancer CSS11501

Cisco 7960 IP Phones (SCCP)

Cisco 7961 IP Phones (SIP)

Cisco 7970 IP Phone with CUVA (SCCP)

Cisco 7971 IP Phone with CUVA (SIP)



Cisco Unified Video Advantage Cameras

Micorsoft Hardware and Interface Cards

LCS 2005 Enterprise Edition with SP1 - MCS 7825H - Windows Server 2003 Enterprise, R2 (32 Bit)

Windows Active Directory Node also serves as DNS for LCS - MCS 7825H - Windows Server 2003 Enterprise R2, w/SP 1

Windows SQL - MCS 7825H - SQL Server 2000 Enterprise Edition w/Win. 2003 Server SP1

Notebooks for additional MOC Clients running on Windows XP Professional with SP1

Software Requirements

The following software is required:

Cisco Unified CallManager 5.0.4.2000-1

Cisco Unified Presence 1.0.3.1000-8

Cisco IOS Release or Cisco Catalyst OS Release (for the gateway)

Cisco Content Switch CSS11501 IOS Version: sg0810106 (08.10.1.06)

Microsoft Live Communication Server 2005 Enterprise Edition SP1

Features

This section lists new and changed features and features that are not supported.

Features Supported

MOC Features

- Basic Call Placement / Clearing

- Reverse Number Lookup

- Basic Call Forwarding

 - New Number

 - Phone Settings

 - Location-based – please refer to Limitations section

- Hold / Retrieval of Call

- Call Transfer

 - Unannounced or Blind

 - Announced or Consultation

- Call Conference

 - Call Conference Establishment

 - Call Conference to Busy Number

 - Call Conference to Party with No Answer



Call Conference to Party set to forward all calls to VoiceMail

Desktop or IP Phone Initiated Single Step Transfer of Conference Call

DTMF Digits – please refer to Limitations Section

Consultation Calls

Alternate Call – Call Waiting

Alternate Call – Held Call

Deflect Call

Call per Line Limit

Desktop (DTP) Features

Basic Call Placement / Clearing

Call Transfers

Unannounced or Blind

Announced or Consultation

Call Conference

Cisco Unified CallManager (CUCM) Administration, Configuration and Provisioning

Adding Dial Rules

Deleting Dial Rules

Changing Dial Rules

Prefix Dial Rules

Cisco Unified Presence (CUPS) Device Identification

Shared Lines

2 Phone Devices

1 Phone Device and 1 Cisco IP Communicator

CUPS Features

Extension Mobility

Features Not Supported

None.



Configuration

This section contains configuration menus and commands and describes configuration sequences and tasks. For more Cisco deployment and installation guides, go to following links:

http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_implementation_design_guide_chapter09186a008070bc02.html

http://www.cisco.com/en/US/partner/products/ps6837/tsd_products_support_integrated_systems_documentation_list.html

Configuration Sequences and Tasks

Cisco Unified CallManager (CUCM) Configuration

1. Cisco Unified CallManager Version
2. Configure the SIP Trunk
3. Configure the Cisco IP Phones
4. Configure the End Users
5. Configure the Licensing Capabilities Assignments
6. Configure the Phone Services
7. Configure the Phone URL Services
8. Configure the Application User
9. Configure the Dial Rules
10. Configure the Conference Bridge
11. Configure the Meet-Me Number

Cisco Unified Presence (CUPS) Configuration

1. CUPS Version
2. Configure the CUPS Method / Event – Based Routing
3. Configure the Unified CallManager Presence Gateway
4. Configure the CTI Gateway
5. Configure the MOC Assignments
6. Configure the AXL Information
7. Configure the Privacy ACL Entry (Allowed Destination Host)
8. Configure the Proxy ACL Entry (Allowed Incoming Host)



9. Configure the IP Phone Messenger Setting
10. Configure the IP Phone Messenger User
11. Configure the Application User Configuration

Cisco Content Switch CSS11501 Load Balancer Configuration

LCS Enterprise Edition Configuration

1. Domain Name Server
2. Pool Properties
3. Static Route
4. Authorized Host
5. Server Properties
6. Pool Users
7. User Configuration

Micorsoft Office Communicator (MOC) Configuration

Configuring the Cisco Unified CallManager (CUCM)

Cisco Unified CallManager Version



Cisco Unified CallManager Console - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop


Address <https://172.20.241.254/ccmadmin/showHome.do> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco Unified Communications Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off



Cisco Unified CallManager Administration

System version: 5.0.4.2000-1
Administration version: 1.1.0.0-1

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This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at: <http://www.cisco.com/www/export/crypto/tool/stqrg.html>.
If you require further assistance please contact us by sending email to export@cisco.com.

Done Local intranet



SIP Trunk

The screenshot shows the Cisco Unified CallManager Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.241.254/ccmadmin/trunkEdit.do?key=9c5ff3d8-e79d-b9d8-f71d-79bc81848732>. The page title is "Trunk Configuration - Microsoft Internet Explorer".

The main content area is titled "Cisco Unified CallManager Administration" and shows the user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. There is a "Log Off" button.

The "Trunk Configuration" section is active, showing the configuration for a SIP Trunk named "CUPS2-SIP-TRK". The status is "Ready".

Device Information

Product:	SIP Trunk
Device Protocol:	SIP
Device Name*	CUPS2-SIP-TRK
Description	
Device Pool*	Default
Call Classification*	Use System Default
Media Resource Group List	< None >
Location*	Hub_None
AAR Group	< None >
Packet Capture Mode*	None
Packet Capture Duration	0

Additional configuration options:

- Media Termination Point Required
- Retry Video Call as Audio
- Transmit UTF-8 for Calling Party Name
- Unattended Port

The bottom of the page shows the status bar with "Done" and "Local Intranet".



Trunk Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccadmin/trunkEdit.do?key=9c5ff3d8-e79d-b9d8-f71d-79bc81848732

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain: < None >

Call Routing Information

Inbound Calls

Significant Digits*	All
Connected Line ID Presentation*	Default
Connected Name Presentation*	Default
Calling Search Space	< None >
AAR Calling Search Space	< None >
Prefix DN	

Redirecting Diversion Header Delivery - Inbound

Outbound Calls

Calling Party Selection*	Originator
Calling Line ID Presentation*	Default
Calling Name Presentation*	Default
Caller ID DN	
Caller Name	

Redirecting Diversion Header Delivery - Outbound

SIP Information

Destination Address*	EPAS2.pbxlab.org
<input checked="" type="checkbox"/> Destination Address is an SRV	
Destination Port*	0
MTP Preferred Originating Codec*	711ulaw
Presence Group*	Standard Presence group
SIP Trunk Security Profile*	



Trunk Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccadmin/trunkEdit.do?key=9c5ff3d8-e79d-b9d8-f71d-79bc81848732

Outbound Calls

Calling Party Selection*	Originator
Calling Line ID Presentation*	Default
Calling Name Presentation*	Default
Caller ID DN	
Caller Name	

Redirecting Diversion Header Delivery - Outbound

SIP Information

Destination Address*	EPAS2.pbxlab.org
<input checked="" type="checkbox"/> Destination Address is an SRV	
Destination Port*	0
MTP Preferred Originating Codec*	711ulaw
Presence Group*	Standard Presence group
SIP Trunk Security Profile*	Non Secure SIP Trunk Profile
Rerouting Calling Search Space	< None >
Out-Of-Dialog Refer Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile
DTMF Signaling Method*	No Preference

Save Delete Reset Add New

i *- indicates required item.
i **- Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Done Local intranet



Cisco IP Phone Configuration

7960 SCCP Phone

The screenshot displays the Cisco Unified CallManager Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.241.254/ccmadmin/phoneEdit.do?key=d515151c-2e47-137e-26ea-232e654bd4c3>. The page title is "Phone Configuration - Microsoft Internet Explorer".

The main content area is titled "Cisco Unified CallManager Administration" and shows the user is logged in as "CCMAdministrator". The navigation menu includes: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The "Phone Configuration" section is active, with a "Related Links" dropdown set to "Back To Find/List".

The configuration details are as follows:

- Status:** Ready
- Association Information:**
 - 1. [Line \[1\] - 41015 \(no partition\)](#)
 - 2. [Line \[2\] - Add a new DN](#)
 - 3. [Add a new SD](#)
 - 4. [Add a new SD](#)
 - 5. [Add a new SD](#)
 - 6. [Add a new SD](#)
 - 7. Unassigned Associated Items ----- [Add a new SD](#)
 - 8. [Add a new SURL](#)
 - 9. [Add a new BLF SD](#)
 - 10. Privacy
 - 11. None
- Phone Type:**
 - Product Type: Cisco 7960
 - Device Protocol: SCCP
- Device Information:**
 - Registration: Registered with Cisco Unified CallManager CM-CLUSTER1-S
 - IP Address: [172.20.201.118](#)
 - MAC Address*: 0011219E5721
 - Description: 41015-7960SCCP
 - Device Pool*: Default
 - Phone Button Template*: Standard 7960 SCCP
 - Softkey Template: Standard User
 - Common Phone Profile*: Standard Common Phone Profile
 - Calling Search Space: < None >
 - AAR Calling Search Space: < None >
 - Media Resource Group List: CCM_MRGL
 - User Hold MOH Audio Source: < None >
 - Network Hold MOH Audio Source: < None >



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=d515151c-2e47-137e-26ea-232e654bd4c3> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

Network Hold MOH Audio Source	< None >
Location*	Hub_None
User Locale	English United States
Network Locale	< None >
Built In Bridge*	Default
Privacy*	Default
Owner User ID	Pool4C
Phone Load Name	
<input checked="" type="checkbox"/> Retry Video Call as Audio	
<input type="checkbox"/> Ignore Presentation Indicators (internal calls only)	
<input checked="" type="checkbox"/> Allow Control of Device from CTI	

Protocol Specific Information

Packet Capture Mode*	None
Packet Capture Duration	0
Presence Group*	Standard Presence group
Device Security Profile*	Cisco 7960 - Standard SCCP Non-Secure Profile
SUBSCRIBE Calling Search Space	< None >
<input type="checkbox"/> Unattended Port	
<input type="checkbox"/> Require DTMF Reception	
<input type="checkbox"/> RFC2833 Disabled	

Certification Authority Proxy Function (CAPF) Information

Certificate Operation*	No Pending Operation
Authentication Mode*	By Null String
Authentication String	
<input type="button" value="Generate String"/>	

Done Local intranet



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=d515151c-2e47-137e-26ea-232e654bd4c3> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

Certification Authority Proxy Function (CAPF) Information

Certificate Operation*

Authentication Mode*

Authentication String

Key Size (Bits)*

Operation Completes By (YYYY:MM:DD:HH)

Certificate Operation Status: None

Note: Security Profile Contains Addition CAPF Settings.

Expansion Module Information

Module 1

Module 1 Load Name

Module 2

Module 2 Load Name

External Data Locations Information (Leave blank to use default)

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

Extension Information

Done Local intranet



Phone Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/phoneEdit.do?key=d515151c-2e47-137e-26ea-232e654bd4c3

Extension Information

Enable Extension Mobility
Log Out Profile: -- Use Current Device Settings -- **Log Out**
Login in User ID Pool4C
Log in Time: Thursday, December 14, 2006 4:28:31 PM PST
Log out Time: < None >
Note: User log out required to allow Extension Mobility changes.

MLPP Information

MLPP Domain: < None >
MLPP Indication*: Off
MLPP Preemption*: Default

Product Specific Configuration Layout

Disable Speakerphone
 Disable Speakerphone and Headset

PC Port *	Enabled
Settings Access*	Enabled
Gratuitous ARP*	Enabled
PC Voice VLAN Access*	Enabled
Video Capabilities*	Enabled
Auto Line Select*	Disabled
Web Access*	Enabled

Save Delete Copy Reset Add New

*- indicates required item.
**- Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Done Local intranet



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail News RSS

Address <https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=a9631334-efe6-3342-751e-5df36735c3ee&mapkey=bb58c89b-7b3f-40af-a1b2-76e793e3f187&devicekey=d515151c-2e47-137e-26ea-232e654bd4c3&index=> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Directory Number Configuration Related Links: [Back To Find/List](#) Go

Status
Status: Ready

Directory Number Information

Directory Number* 41015

Route Partition < None >

Description

Alerting Name

ASCII Alerting Name

Allow Control of Device from CTI

Associated Devices
SEP0011219E5721
7960 w/ EXTMOB
ADP0011219E5721

▼ ▲

Dissociate Devices

Directory Number Settings

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space < None >

Presence Group* Standard Presence group

AAR Group < None >

User Hold MOH Audio Source < None >

Done Local intranet



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=a9631334-efe6-3342-751e-5df36735c3ee&mapkey=bb58c89b-7b3f-40af-a1b2-76e793e3f187&devicekey=d515151c-2e47-137e-26ea-232e654bd4c3&index=

Directory Number Configuration

Status: Ready

Directory Number Information

Directory Number* 41015

Route Partition < None >

Description

Alerting Name

ASCII Alerting Name

Allow Control of Device from CTI

Associated Devices

SEP0011219E5721
7960 w/ EXTMOB
ADP0011219E5721

Dissociate Devices

Directory Number Settings

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space < None >

Presence Group* Standard Presence group

AAR Group < None >

User Hold MOH Audio Source < None >



Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=a9631334-efe6-3342-751e-5df36735c3ee&mapkey=bb58c89b-7b3f-40af-a1b2-76e793e3f187&devicekey=d515151c-2e47-137e-26ea-232e654bd4c3&index=

Line 1 on Device SEP0011219E5721

Value	Update Shared Device Settings
Display (Internal Caller ID) <input type="text" value="Pool3A"/> Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.	<input type="checkbox"/>
ASCII Display (Internal Caller ID) <input type="text" value="Pool3A"/>	<input type="checkbox"/>
Line Text Label <input type="text" value="Pool3A"/>	<input type="checkbox"/>
ASCII Line Text Label <input type="text" value="Pool3A"/>	<input type="checkbox"/>
External Phone Number Mask <input type="text"/>	<input type="checkbox"/>
Message Waiting Lamp Policy* <input type="text" value="Use System Policy"/>	<input type="checkbox"/>
Ring Setting (Phone Idle)* <input type="text" value="Use System Default"/>	<input type="checkbox"/>
Ring Setting (Phone Active) <input type="text" value="Use System Default"/> Applies to this line when any line on the phone has a call in progress.	<input type="checkbox"/>

Multiple Call/Call Waiting Settings on Device SEP0011219E5721

Note: The range to select the Max Number of calls is: 1-200

Maximum Number of Calls*

Busy Trigger* (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP0011219E5721

- Caller Name
- Caller Number
- Redirected Number
- Dialed Number



7970 SCCP Phone

Phone Configuration - Microsoft Internet Explorer

Address: <https://172.20.241.254/cmadmin/phoneEdit.do?key=b5bc9bf4-3a47-af09-5df1-3535a218d1bf>

Phone Configuration Related Links: [Back To Find/List](#)

Status: Ready

Association Information	Phone Type																																		
<p>Modify Button Items</p> <ol style="list-style-type: none">Line [1] - 41016 (no partition)Line [2] - Add a new DNAdd a new SDAdd a new SDAdd a new SDAdd a new SDAdd a new SDAdd a new SDUnassigned Associated ItemsAdd a new SDAdd a new SURTAdd a new BLF SDPrivacyNone	<p>Product Type: Cisco 7970 Device Protocol: SCCP</p> <p>Device Information</p> <table><tr><td>Registration</td><td>Registered with Cisco Unified CallManager CM-CLUSTER1-S</td></tr><tr><td>IP Address</td><td>172.20.201.103</td></tr><tr><td>MAC Address*</td><td>00146A9C3C1F</td></tr><tr><td>Description</td><td>41016-7970SCCP</td></tr><tr><td>Device Pool*</td><td>Default</td></tr><tr><td>Phone Button Template*</td><td>Standard 7970 SCCP</td></tr><tr><td>Softkey Template</td><td>Standard User</td></tr><tr><td>Common Phone Profile*</td><td>Standard Common Phone Profile</td></tr><tr><td>Calling Search Space</td><td>< None ></td></tr><tr><td>AAR Calling Search Space</td><td>< None ></td></tr><tr><td>Media Resource Group List</td><td>CCM_MRGL</td></tr><tr><td>User Hold MOH Audio Source</td><td>< None ></td></tr><tr><td>Network Hold MOH Audio Source</td><td>< None ></td></tr><tr><td>Location*</td><td>Hub_None</td></tr><tr><td>User Locale</td><td>English United States</td></tr><tr><td>Network Locale</td><td>< None ></td></tr><tr><td>Built In Bridge*</td><td>Default</td></tr></table>	Registration	Registered with Cisco Unified CallManager CM-CLUSTER1-S	IP Address	172.20.201.103	MAC Address*	00146A9C3C1F	Description	41016-7970SCCP	Device Pool*	Default	Phone Button Template*	Standard 7970 SCCP	Softkey Template	Standard User	Common Phone Profile*	Standard Common Phone Profile	Calling Search Space	< None >	AAR Calling Search Space	< None >	Media Resource Group List	CCM_MRGL	User Hold MOH Audio Source	< None >	Network Hold MOH Audio Source	< None >	Location*	Hub_None	User Locale	English United States	Network Locale	< None >	Built In Bridge*	Default
Registration	Registered with Cisco Unified CallManager CM-CLUSTER1-S																																		
IP Address	172.20.201.103																																		
MAC Address*	00146A9C3C1F																																		
Description	41016-7970SCCP																																		
Device Pool*	Default																																		
Phone Button Template*	Standard 7970 SCCP																																		
Softkey Template	Standard User																																		
Common Phone Profile*	Standard Common Phone Profile																																		
Calling Search Space	< None >																																		
AAR Calling Search Space	< None >																																		
Media Resource Group List	CCM_MRGL																																		
User Hold MOH Audio Source	< None >																																		
Network Hold MOH Audio Source	< None >																																		
Location*	Hub_None																																		
User Locale	English United States																																		
Network Locale	< None >																																		
Built In Bridge*	Default																																		



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Phone

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=b5bc9bf4-3e47-af09-5df1-3535a218d1bf> Go Links

Google

Built In Bridge* Default

Privacy* Default

Owner User ID < None >

Phone Load Name

Retry Video Call as Audio

Ignore Presentation Indicators (internal calls only)

Allow Control of Device from CTI

Protocol Specific Information

Packet Capture Mode* None

Packet Capture Duration 0

Presence Group* Standard Presence group

Device Security Profile* Cisco 7970 - Standard SCCP Non-Secure Profile

SUBSCRIBE Calling Search Space < None >

Unattended Port

Require DTMF Reception

RFC2833 Disabled

Certification Authority Proxy Function (CAPF) Information

Certificate Operation* No Pending Operation

Authentication Mode* By Null String

Authentication String

Generate String

Key Size (Bits)* 1024

Operation Completes By 2007 1 13 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

Note: Security Profile Contains Addition CAPF Settings.

Local intranet



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=b5bc9bf4-3e47-af09-5df1-3535a218d1bf> Go Links

Google Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Expansion Module Information

Module 1 < None >

Module 1 Load Name

Module 2 < None >

Module 2 Load Name

External Data Locations Information (Leave blank to use default)

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

Extension Information

Enable Extension Mobility

Log Out Profile -- Use Current Device Settings --

Login in User ID < None >

Log in Time < None >

Log out Time < None >

MLPP Information

MLPP Domain < None >

MLPP Indication* Default

MLPP Preemption* Default

Done Local intranet



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=b5bc9bf4-3a47-af09-5df1-3535a218d1bf> Go Links

Google Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Secure Shell Information

Secure Shell User

Secure Shell Password

Product Specific Configuration Layout

Disable Speakerphone

Disable Speakerphone and Headset

PC Port *

Settings Access*

Gratuitous ARP*

PC Voice VLAN Access*

Video Capabilities*

Auto Line Select*

Web Access*

Days Display Not Active

Display On Time

Display On Duration

Display Idle Timeout

Span to PC Port*

Logging Display*

Load Server

Save Delete Copy Reset Add New

Done Local intranet



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://172.20.241.254/ccadmin/directoryNumberEdit.do?key=481a173a-755a-6a9b-1a76-ece0e1d46066&mapkey=9fa20ac0-3a3d-b69b-a45c-af9a987284dc&devicekey=b5bc9bf4-3a47-af09-5df1-3535a218d1bf&index=1

Directory Number Configuration

Status: Ready

Directory Number Information

Directory Number* 41016

Route Partition < None >

Description Pool4A

Alerting Name Pool4A

ASCII Alerting Name Pool4A

Allow Control of Device from CTI

Associated Devices

SEP00146A9C3C1F
7970 w/ EXTMOB
ADP00146A9C3C1F

Dissociate Devices

Directory Number Settings

Voice Mail Profile	Default	(Choose <None> to use system default)
Calling Search Space	< None >	
Presence Group*	Standard Presence group	
AAR Group	< None >	
User Hold MOH Audio Source	< None >	



Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=481a173a-755a-6a9b-1a76-ece0e1d46068&mapkey=9fa20ac0-3a3d-b69b-a45c-af9a987284dc&devicekey=b5bc9bf4-3a47-af09-5df1-3535a218d1bf&index=1

Network Hold MOH Audio Source: < None >

Auto Answer*: Auto Answer Off

Call Forward and Call Pickup Settings

	Voice Mail	Destination	Calling Search Space
Forward All	<input type="checkbox"/> or		< None >
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or		< None >
Forward Busy External	<input type="checkbox"/> or		< None >
Forward No Answer Internal	<input type="checkbox"/> or		< None >
Forward No Answer External	<input type="checkbox"/> or		< None >
Forward No Coverage Internal	<input type="checkbox"/> or		< None >
Forward No Coverage External	<input type="checkbox"/> or		< None >
Forward on CTI Failure	<input type="checkbox"/> or		< None >
No Answer Ring Duration (seconds)			
Call Pickup Group			< None >

MLPP Alternate Party Settings

Target (Destination):

MLPP Calling Search Space: < None >

MLPP No Answer Ring Duration (seconds):

Line 1 on Device SEP00146A9C3C1F

	Value	Update Shared Device Settings
Display (Internal Caller ID)	Pool3C Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.	<input type="checkbox"/>
ASCII Display	Pnnl3C	<input type="checkbox"/>

Done



Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=481a173a-755a-6a9b-1a76-ec0e1d46068&mapkey=9fa20ac0-3a3d-b69b-a45c-af9a987284dc&devicekey=b5bc9bf4-3a47-af09-5df1-3535a218d1bf&index=1

Line 1 on Device SEP00146A9C3C1F

Value	Update Shared Device Settings
Display (Internal Caller ID) Pool3C <small>Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.</small>	<input type="checkbox"/>
ASCII Display (Internal Caller ID) Pool3C	<input type="checkbox"/>
Line Text Label Pool3C	<input type="checkbox"/>
ASCII Line Text Label Pool3C	<input type="checkbox"/>
External Phone Number Mask	<input type="checkbox"/>
Message Waiting Lamp Policy* Use System Policy	<input type="checkbox"/>
Ring Setting (Phone Idle)* Use System Default	<input type="checkbox"/>
Ring Setting (Phone Active) Use System Default <small>Applies to this line when any line on the phone has a call in progress.</small>	<input type="checkbox"/>

Multiple Call/Call Waiting Settings on Device SEP00146A9C3C1F

Note: The range to select the Max Number of calls is: 1-200

Maximum Number of Calls*

Busy Trigger* (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP00146A9C3C1F

- Caller Name
- Caller Number
- Redirected Number
- Dialed Number



7961 SIP Phone

Phone Configuration - Microsoft Internet Explorer

Address: <https://172.20.241.254/cmadmin/phoneEdit.do?key=36628e52-cc99-64db-4e9e-c0c931865e8b>

Phone Configuration Related Links: [Back To Find/List](#)

Status: Ready

Association Information	Phone Type
<p>Modify Button Items</p> <ol style="list-style-type: none">Line [1] - 41012 (no partition)Line [2] - Add a new DNAdd a new SDAdd a new SDAdd a new SDAdd a new SDUnassigned Associated ItemsAdd a new SDAdd a new SURLAdd a new BLF SDPrivacyNone	<p>Product Type: Cisco 7961 Device Protocol: SIP</p> <p>Device Information</p> <p>Registered with Cisco Unified CallManager CM-CLUSTER1-S</p> <p>IP Address: 172.20.201.101</p> <p>MAC Address*: 00170EEE3394</p> <p>Description: 41012-7961SIP Pool3</p> <p>Device Pool*: Default</p> <p>Phone Button Template*: Standard 7961 SIP</p> <p>Softkey Template: Standard User</p> <p>Common Phone Profile*: Standard Common Phone Profile</p> <p>Calling Search Space: < None ></p> <p>AAR Calling Search Space: < None ></p> <p>Media Resource Group List: CCM_MRGL</p> <p>User Hold MOH Audio Source: < None ></p> <p>Network Hold MOH Audio Source: < None ></p> <p>Location*: Hub_None</p> <p>User Locale: < None ></p> <p>Network Locale: < None ></p> <p>Built In Bridge*: Default</p>



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Phone

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=36628e52-cc99-64db-4e9e-c0c931865e8b> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

Built In Bridge* Default

Privacy* Default

Owner User ID < None >

Phone Load Name

Ignore Presentation Indicators (internal calls only)

Allow Control of Device from CTI

Protocol Specific Information

Packet Capture Mode* None

Packet Capture Duration 0

Presence Group* Standard Presence group

SIP Dial Rules < None >

MTP Preferred Originating Codec* 711ulaw

Device Security Profile* Cisco 7961 - Standard SIP Non-Secure Profile

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile* Standard SIP Profile

Digest User < None >

Media Termination Point Required

Unattended Port

Require DTMF Reception

Certification Authority Proxy Function (CAPF) Information

Certificate Operation* No Pending Operation

Authentication Mode* By Null String

Authentication String

Generate String

Done Local intranet



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=36628e52-cc99-64db-4e9e-c0c931865e8b> Go Links

Google Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Generate String

Key Size (Bits)* 1024

Operation Completes By 2007 1 13 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None
Note: Security Profile Contains Addition CAPF Settings.

External Data Locations Information (Leave blank to use default)

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

Extension Information

Enable Extension Mobility

Log Out Profile -- Use Current Device Settings --

Login in User ID < None >

Log in Time < None >

Log out Time < None >

MLPP Information

MLPP Domain < None >

Secure Shell Information

Secure Shell User

Secure Shell Password

Done Local intranet



Phone Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/phoneEdit.do?key=36628e52-cc99-64db-4e9e-c0c931865e8b

MLPP Domain < None >

Secure Shell Information

Secure Shell User

Secure Shell Password

Product Specific Configuration Layout ?

Disable Speakerphone

Disable Speakerphone and Headset

PC Port *

Settings Access*

Gratuitous ARP*

PC Voice VLAN Access*

Video Capabilities*

Auto Line Select*

Web Access*

Span to PC Port*

Logging Display*

Load Server

Save Delete Copy Reset Add New

*- indicates required item.

**-. Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

***Note: Security Profile Contains Addition CAPF Settings.

Done Local Intranet



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=6a1f6968-f5b9-8f7c-20f6-c1ae62321d73&mapkey=caeb4524-a358-cade-e634-2188d1d1df82&devicekey=36628e52-cc99-64db-4e9e-c0c931865e8b&index=1

Directory Number Configuration

Status: Ready

Directory Number Information

Directory Number* 41012

Route Partition < None >

Description

Alerting Name

ASCII Alerting Name

Allow Control of Device from CTI

Associated Devices

SEP00170EEE3394
7961 w/ EXTMOB
ADP00170EEE3394

Dissociate Devices

Directory Number Settings

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space < None >

Presence Group* Standard Presence group

AAR Group < None >

User Hold MOH Audio Source < None >



Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/cmadmin/directoryNumberEdit.do?key=6a1f6968-f5b9-8f7c-20f6-c1ae62321d73&mapkey=caeb4524-a358-cade-e634-2188d1d1df82&devicekey=36628e52-cc99-64db-4e9e-c0c931865e8b&index=1

Network Hold MOH Audio Source: < None >
 Auto Answer*: Auto Answer Off

Call Forward and Call Pickup Settings

	Voice Mail	Destination	Calling Search Space
Forward All	<input type="checkbox"/> or		< None >
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or		< None >
Forward Busy External	<input type="checkbox"/> or		< None >
Forward No Answer Internal	<input type="checkbox"/> or		< None >
Forward No Answer External	<input type="checkbox"/> or		< None >
Forward No Coverage Internal	<input type="checkbox"/> or		< None >
Forward No Coverage External	<input type="checkbox"/> or		< None >
Forward on CTI Failure	<input type="checkbox"/> or		< None >
No Answer Ring Duration (seconds)			
Call Pickup Group			< None >

MLPP Alternate Party Settings

Target (Destination):
 MLPP Calling Search Space: < None >
 MLPP No Answer Ring Duration (seconds):

Line 1 on Device SEP00170EEE3394

	Value	Update Shared Device Settings
Display (Internal Caller ID)	Pool3B Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.	<input type="checkbox"/>
ASCII Display (Internal Caller ID)	Pool3B	<input type="checkbox"/>

Done





Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/cmadmin/directoryNumberEdit.do?key=6a1f6968-f5b9-8f7c-20f6-c1ae62321d73&mapkey=caeb4524-a358-cade-e634-2188d1d1df82&devicekey=36628e52-cc99-64db-4e9e-c0c931865e8b&index=1

Line 1 on Device SEP00170EEE3394

Value	Update Shared Device Settings
Display (Internal Caller ID) Pool3B <small>Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.</small>	<input type="checkbox"/>
ASCII Display (Internal Caller ID) Pool3B	<input type="checkbox"/>
Line Text Label Pool3B	<input type="checkbox"/>
ASCII Line Text Label Pool3B	<input type="checkbox"/>
External Phone Number Mask	<input type="checkbox"/>
Message Waiting Lamp Policy* Use System Policy	<input type="checkbox"/>
Ring Setting (Phone Idle)* Use System Default	<input type="checkbox"/>
Ring Setting (Phone Active) Use System Default <small>Applies to this line when any line on the phone has a call in progress.</small>	<input type="checkbox"/>

Multiple Call/Call Waiting Settings on Device SEP00170EEE3394

Note: The range to select the Max Number of calls is: 1-200

Maximum Number of Calls*

Busy Trigger* (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP00170EEE3394

- Caller Name
- Caller Number
- Redirected Number
- Dialed Number



Phone Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/phoneEdit.do?key=e179d3df-1b94-24f7-640b-b2879b666f0d

Phone Configuration

Status: Ready

Association Information	Phone Type																																		
<p>Modify Button Items</p> <ul style="list-style-type: none">1 Line [1] - 41014 (no partition)2 Line [2] - Add a new DN3 Add a new SD4 Add a new SD5 Add a new SD6 Add a new SD7 Add a new SD8 Add a new SD9 Unassigned Associated Items -----10 Add a new SURF11 Add a new BLF SD12 Privacy13 None	<p>Product Type: Cisco 7971 Device Protocol: SIP</p> <p>Device Information</p> <table><tr><td>Registration</td><td>Registered with Cisco Unified CallManager CM-CLUSTER1-S</td></tr><tr><td>IP Address</td><td>172.20.201.102</td></tr><tr><td>MAC Address*</td><td>0015629E80F1</td></tr><tr><td>Description</td><td>41014-7971SIP Pool3</td></tr><tr><td>Device Pool*</td><td>Default</td></tr><tr><td>Phone Button Template*</td><td>Standard 7971 SIP</td></tr><tr><td>Softkey Template</td><td>Standard User</td></tr><tr><td>Common Phone Profile*</td><td>Standard Common Phone Profile</td></tr><tr><td>Calling Search Space</td><td>< None ></td></tr><tr><td>AAR Calling Search Space</td><td>< None ></td></tr><tr><td>Media Resource Group List</td><td>CCM_MRGL</td></tr><tr><td>User Hold MOH Audio Source</td><td>< None ></td></tr><tr><td>Network Hold MOH Audio Source</td><td>< None ></td></tr><tr><td>Location*</td><td>Hub_None</td></tr><tr><td>User Locale</td><td>English United States</td></tr><tr><td>Network Locale</td><td>United States</td></tr><tr><td>Built In Bridge*</td><td>Default</td></tr></table>	Registration	Registered with Cisco Unified CallManager CM-CLUSTER1-S	IP Address	172.20.201.102	MAC Address*	0015629E80F1	Description	41014-7971SIP Pool3	Device Pool*	Default	Phone Button Template*	Standard 7971 SIP	Softkey Template	Standard User	Common Phone Profile*	Standard Common Phone Profile	Calling Search Space	< None >	AAR Calling Search Space	< None >	Media Resource Group List	CCM_MRGL	User Hold MOH Audio Source	< None >	Network Hold MOH Audio Source	< None >	Location*	Hub_None	User Locale	English United States	Network Locale	United States	Built In Bridge*	Default
Registration	Registered with Cisco Unified CallManager CM-CLUSTER1-S																																		
IP Address	172.20.201.102																																		
MAC Address*	0015629E80F1																																		
Description	41014-7971SIP Pool3																																		
Device Pool*	Default																																		
Phone Button Template*	Standard 7971 SIP																																		
Softkey Template	Standard User																																		
Common Phone Profile*	Standard Common Phone Profile																																		
Calling Search Space	< None >																																		
AAR Calling Search Space	< None >																																		
Media Resource Group List	CCM_MRGL																																		
User Hold MOH Audio Source	< None >																																		
Network Hold MOH Audio Source	< None >																																		
Location*	Hub_None																																		
User Locale	English United States																																		
Network Locale	United States																																		
Built In Bridge*	Default																																		



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Phone

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=e179d3df-1b94-24f7-640b-b2879b666f0d> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

Privacy*
Owner User ID: Default
Phone Load Name: < None >
 Ignore Presentation Indicators (internal calls only)
 Allow Control of Device from CTI

Protocol Specific Information
Packet Capture Mode*: None
Packet Capture Duration: 0
Presence Group*: Standard Presence group
SIP Dial Rules: < None >
MTP Preferred Originating Codec*: 711 ulaw
Device Security Profile*: Cisco 7971 - Standard SIP Non-Secure Profile
Rerouting Calling Search Space: < None >
SUBSCRIBE Calling Search Space: < None >
SIP Profile*: Standard SIP Profile
Digest User: < None >
 Media Termination Point Required
 Unattended Port
 Require DTMF Reception

Certification Authority Proxy Function (CAPF) Information
Certificate Operation*: No Pending Operation
Authentication Mode*: By Null String
Authentication String:
Generate String
Key Size (Bits)*: 1024

Local intranet



Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/phoneEdit.do?key=e179d3df-1b94-24f7-640b-b2879b666f0d> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

Operation Completes By (YYYY:MM:DD:HH)
Certificate Operation Status: None
Note: Security Profile Contains Addition CAPF Settings.

External Data Locations Information (Leave blank to use default)

Information
Directory
Messages
Services
Authentication Server
Proxy Server
Idle
Idle Timer (seconds)

Extension Information

Enable Extension Mobility
Log Out Profile -- Use Current Device Settings --
Login in User ID < None >
Log in Time < None >
Log out Time < None >

MLPP Information

MLPP Domain < None >

Secure Shell Information

Secure Shell User
Secure Shell Password

Product Specific Configuration Layout

Local intranet



Phone Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/phoneEdit.do?key=e179d3df-1b94-24f7-640b-b2879b666f0d

Product Specific Configuration Layout

- Disable Speakerphone
- Disable Speakerphone and Headset
- PC Port *
- Settings Access*
- Gratuitous ARP*
- PC Voice VLAN Access*
- Video Capabilities*
- Auto Line Select*
- Web Access*
- Days Display Not Active
- Display On Time
- Display On Duration
- Display Idle Timeout
- Span to PC Port*
- Logging Display*
- Load Server

Save Delete Copy Reset Add New

*- indicates required item.
**- Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.
***Note: Security Profile Contains Additional CAPE Settings

Local intranet



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address: https://172.20.241.254/cmadmin/directoryNumberEdit.do?key=e48b7bcb-d3f8-fae1-8718-59396299c8b2&mapkey=2f5281c5-8b34-499b-a910-cbdecdbceab&devicekey=e179d3df-1b94-24f7-640b-b2879b666f0d&index=1

Google Go Settings

Directory Number Configuration Related Links: Back To Find/List

Status
Status: Ready

Directory Number Information

Directory Number* 41014

Route Partition < None >

Description 41014-7971 SIP Pool3

Alerting Name Pool3D

ASCII Alerting Name Pool3D

Allow Control of Device from CTI

Associated Devices
ADP0015629E80F1
SEP0015629E80F1
7971 w/ EXTMOB

Dissociate Devices

Directory Number Settings

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space < None >

Presence Group* Standard Presence group

AAR Group < None >

User Hold MOH Audio Source < None >

Done Local intranet



Directory Number Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=e48b7bcb-d3f8-fae1-8718-59396299c8b2&mapkey=2f5281c5-8b34-499b-a910-cbdec8bceab8&devicekey=e179d3df-1b94-24f7-640b-b2879b666f0d&index=1

Network Hold MOH Audio Source: < None >

Auto Answer*: Auto Answer Off

Call Forward and Call Pickup Settings

	Voice Mail	Destination	Calling Search Space
Forward All	<input type="checkbox"/> or		< None >
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or		< None >
Forward Busy External	<input type="checkbox"/> or		< None >
Forward No Answer Internal	<input type="checkbox"/> or		< None >
Forward No Answer External	<input type="checkbox"/> or		< None >
Forward No Coverage Internal	<input type="checkbox"/> or		< None >
Forward No Coverage External	<input type="checkbox"/> or		< None >
Forward on CTI Failure	<input type="checkbox"/> or		< None >
No Answer Ring Duration (seconds)			
Call Pickup Group			< None >

MLPP Alternate Party Settings

Target (Destination):

MLPP Calling Search Space: < None >

MLPP No Answer Ring Duration (seconds):

Line 1 on Device SEP0015629E80F1

	Value	Update Shared Device Settings
Display (Internal Caller ID)	Pool3D Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.	<input type="checkbox"/>
ASCII Display (Internal Caller ID)	Pool3D	<input type="checkbox"/>

Done



Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/directoryNumberEdit.do?key=e48b7bcb-d3f8-fae1-8718-59396299c8b2&mapkey=2f5281c5-8b34-499b-a910-cbdecdbceab&devicekey=e179d3df-1b94-24f7-640b-b2879b666f0d&index=1> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

ASCII Display (Internal Caller ID)	Pool3D	<input type="checkbox"/>
Line Text Label	Pool3D	<input type="checkbox"/>
ASCII Line Text Label	Pool3D	<input type="checkbox"/>
External Phone Number Mask		<input type="checkbox"/>
Message Waiting Lamp Policy*	Use System Policy	<input type="checkbox"/>
Ring Setting (Phone Idle)*	Use System Default	<input type="checkbox"/>
Ring Setting (Phone Active)	Use System Default	<input type="checkbox"/>

Applies to this line when any line on the phone has a call in progress.

Propagate Selected

Multiple Call/Call Waiting Settings on Device SEP0015629E80F1

Note: The range to select the Max Number of calls is: 1-50

Maximum Number of Calls*

Busy Trigger* (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP0015629E80F1

Caller Name

Caller Number

Redirected Number

Dialed Number

Save Delete Copy Reset Add New

i *- indicates required item.

i **- Changes to Line or Directory Number settings require restart.

Done Local intranet



End User Configuration

The screenshot shows a web browser window titled "End User Configuration - Microsoft Internet Explorer". The address bar contains the URL: <https://172.20.241.254/ccadmin/userEdit.do?key=5756a78d-26fa-87b2-d1dd-086ec8367096>. The page content is as follows:

- Status:** Status: Ready
- User Information:**
 - User ID*: Pool3A
 - Password*: [Redacted]
 - Confirm Password*: [Redacted]
 - PIN*: [Redacted]
 - Confirm PIN*: [Redacted]
 - Last name*: pool3A
 - Middle name: [Empty]
 - First name: [Empty]
 - Telephone Number: [Redacted]
 - Mail ID: [Empty]
 - Manager User ID: [Empty]
 - Department: [Empty]
 - User Locale: English United States
 - Associated PC: [Empty]
 - Digest Credentials: [Empty]
 - Confirm Digest Credentials: [Empty]
- Device Associations:** Controlled Devices [Empty]



End User Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccmadmin/userEdit.do?key=5756a78d-26fa-87b2-d1dd-086ec8367096

Device Associations
Controlled Devices: SEP0011219E5721
[Device Association](#)

Extension Mobility
Available Profiles:
7961 w/ EXTMOB
7970 w/ EXTMOB
7970 w/ EXTMOB Pool4
7971 w/ EXTMOB
IPPhone w/ EXTMOB
Controlled Profiles:
7960 w/ EXTMOB
Default Profile: < None >
Presence Group*: Standard Presence group
SUBSCRIBE Calling Search Space: < None >
 Allow Control of Device from CTI

Directory Number Associations
Primary Extension: 41015

CAPF Information
Associated CAPF Profiles:
[View Details](#)



End User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.241.254/ccmadmin/userEdit.do?key=5756a78d-26fa-87b2-d1dd-086ec8367096> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Default Profile < None >

Presence Group* Standard Presence group

SUBSCRIBE Calling Search Space < None >

Allow Control of Device from CTI

Directory Number Associations

Primary Extension 41015

CAPF Information

Associated CAPF Profiles

[View Details](#)

Permissions Information

Groups

[View Details](#)

Roles

[View Details](#)

Save Delete Add New

i *- indicates required item.

Done Local intranet



Licensing Capabilities Assignments

The screenshot shows a Microsoft Internet Explorer browser window displaying the Cisco Unified CallManager Administration interface. The browser's address bar shows the URL: <https://172.20.241.254/ccadmin/capassignEdit.do?key=S756a78d-26fa-87b2-d1dd-086ec8367096>. The page title is "Capabilities Assignment Configuration - Microsoft Internet Explorer".

The main content area of the page is titled "Cisco Unified CallManager Administration" and includes a navigation menu with options like System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCAdministrator".

The specific configuration page is "Capabilities Assignment Configuration". It displays the following information:

- Status:** Status: Ready
- User Information:** User ID: Pool3A
- Capabilities Assignment Information:**
 - Enable UPS (Unified Presence Server)
 - Enable UPC (Unified Personal Communicator)

At the bottom of the configuration section, there is a "Save" button. Below the configuration area, a note states: "i *- indicates required item."



Phone Services

The screenshot shows the Cisco Unified CallManager Administration interface for IP Phone Services Configuration. The browser window title is "IP Phone Services Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.241.254/ccmadmin/phoneServicesEdit.do?key=c7ef89d8-2ceb-7a96-b4e6-fc99cb0235c5>. The page header includes "Cisco Unified CallManager Administration" and "Logged in as: CCMAdministrator". The navigation menu includes System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "IP Phone Services Configuration" and shows the following information:

- Status:** Ready
- Service Information:**

Service Name*	ASCII Service Name*
EXTMOB	EXTMOB
Service Description	Service URL*
Extension Mobility	http://172.20.241.253:8080/emapp/EMAppServlet?device=
- Service Parameter Information:**

Parameters

New Edit Delete

Save Delete Update Subscriptions Add New

A note at the bottom indicates that an asterisk (*) indicates a required item.



Phone URL Services

Enterprise Parameters Configuration - Microsoft Internet Explorer

Address: <https://172.20.241.254/ccadmin/serviceParamEdit.do?service=11>

Use Standard VM Handling For Precedence Calls *	False	False
Security Parameters		
Cluster Security Mode *	0	
CAPF Phone Port *	3804	3804
CAPF Operation Expires in (days) *	10	10
Phone URL Parameters		
URL Authentication	<input type="text" value="http://172.20.241.253:8080/ccmccip/authenticate.jsp"/>	
URL Directories	<input type="text" value="http://172.20.241.253:8080/ccmccip/xmldirectory.jsp"/>	
URL Idle	<input type="text"/>	
URL Idle Time	<input type="text" value="0"/>	0
URL Information	<input type="text" value="http://172.20.241.253:8080/ccmccip/GetTelecasterHelpText.jsp"/>	
URL Messages	<input type="text"/>	
IP Phone Proxy Address	<input type="text"/>	
URL Services	<input type="text" value="http://172.20.241.253:8080/ccmccip/getservicesmenu.jsp"/>	
User Search Parameters		
Enable All User Search *	True	True
User Search Limit *	64	64
CCM Web Services Parameters		
Allowed Performance Queries Per Minute *	<input type="text" value="50"/>	50
Allowed Device Queries Per Minute *	<input type="text" value="15"/>	15
Performance Queue Limit *	<input type="text" value="100"/>	100
Maximum Performance Counters Per Session *	<input type="text" value="100"/>	100

Done Local intranet



Application User Configuration

Application User Configuration Related Links: [Back To Find/List](#) [Go](#)

Status
Status: Ready

Application User Information

User ID*

Password*

Confirm Password*

Digest Credentials

Confirm Digest Credentials

Presence Group*

Accept Presence Subscription

Accept Out-of-dialog REFER

Accept Unsolicited Notification

Accept Replaces Header

Device Information

Available Devices

ATA000025613642
ATA00127FD0CB10
SEP000B82073374
SEP0011219E5721
SEP001422A9DFAD

[Find more Phones](#)

[Find more Route Points](#)

[Find more Pilot Points](#)

SEP00170EEE3394
SEP00152B360947
SEP0015629E80F1
SEP00192F07EE84



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <https://172.20.241.254/ccadmin/appuserEdit.do?key=9c8f3976-e5e7-e70b-e991-838eb0ceafe9> Go Links

Google Go blocked Check AutoLink AutoFill Send to Settings

SEP00170EEE3394
SEP00152B360947
SEP0015629E80F1
SEP00192F07EE84

CAPF Information
Associated CAPF Profiles

Edit Profile

Permissions Information

Groups
Standard CTI Allow Control of All Devices
Standard CTI Enabled

Edit Group

Roles
Standard CTI Allow Control of All Devices
Standard CTI Enabled

Edit Role

Save Delete Copy Add New

i *- indicates required item.

Done Local intranet



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://172.20.241.254/ccadmin/appuserEdit.do?key=d43e7dd7-177d-4ae2-a6b6-c47c88eecdcd

Application User Configuration

Related Links: [Back To Find/List](#) [Go](#)

Status: Ready

Application User Information

User ID*

Password*

Confirm Password*

Digest Credentials

Confirm Digest Credentials

Presence Group*

Accept Presence Subscription

Accept Out-of-dialog REFER

Accept Unsolicited Notification

Accept Replaces Header

Device Information

Available Devices

ATA000025613642
ATA00127FD0CB10
SEP000B82073374
SEP001422A9DFAD
SEP00152B8F351B

▼ ▲

SEP0011219E5721
SEP00146A9C3C1F
SEP00152B360947
SEP00170EEE3394
SEP0015679F80F1

[Find more Phones](#)

[Find more Route Points](#)

[Find more Pilot Points](#)

Done Local intranet



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address <https://172.20.241.254/ccmadmin/appuserEdit.do?key=d43e7dd7-177d-4ae2-a6b6-c47c88eecdcd> Go Links

Google Go 0 blocked Check AutoLink AutoFill Send to Settings

SEP0011219E5721
SEP00146A9C3C1F
SEP00152B360947
SEP00170EEE3394
SEP0015629E80F1

CAPF Information
Associated CAPF Profiles

[Edit Profile](#)

Permissions Information

Groups

[Edit Group](#)

Roles

[Edit Role](#)

[Save](#) [Delete](#) [Copy](#) [Add New](#)

*- indicates required item.

Done Local intranet



Dial Rules Configuration

Application Dial Rule Configuration - Microsoft Internet Explorer

Address: https://172.20.241.254/ccadmin/appdialrulesSave.do?redirect=1&pkid=feaec6d5-2a83-0a14-e1b8-550853df768c

Navigation: Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco Unified Communications Solutions Logged in as: CCMAdministrator

System Call Routing Media Resources Voice Mail Device Application User Management Bulk Administration Help Log Off

Application Dial Rule Configuration Related Links: Back To Find/List Go

Status: Update successful

Application Dial Rule Information

Name*: LCS-CUPS-CHAR

Description: Character *

Number Begins With: *5

Number of Digits*: 5

Total Digits to be Removed*: 2

Prefix With Pattern: 41

Application Dial Rule Priority

Name	Number Begins With	Number of Digits	Total Digits to be Removed	Prefix With Pattern	Up	Down
LCS_CUPS DR	4201	5	4	4101	▲	▼
LCS-CUPS-CHAR	*5	5	2	41	▲	▼
LCS-CUPS Char2	#5	5	2	41	▲	▼
LCS-CUPS Char3	+5	5	2	41	▲	▼
LCS-CUPS Char4	05	5	2	41	▲	▼

Save Delete Add New

*_ indicates required item



Conference Bridge Configuration

Media Resource Group Configuration Related Links: [Back To Find/List](#)

Status
Status: Ready

Media Resource Group Status
Media Resource Group: CCM_MRG (used by 8 devices)

Media Resource Group Information
Name*
Description

Devices for this Group

Available Media Resources**
ANN_5
CFB_5
MOH_5
MTP_5

Selected Media Resources*
ANN_2 (ANN)
ANN_4 (ANN)
CFB_2 (CFB)
CFB_4 (CFB)
MOH_2 (MOH)

Use Multicast for MOH Audio (If at least one multicast MOH resource is available)

***** - indicates required item.



Meet-Me Number

The screenshot shows a Microsoft Internet Explorer browser window displaying the Cisco Unified CallManager Administration web interface. The browser's address bar shows the URL: `https://172.20.241.254/ccadmin/meetMeEdit.do?key=c4b798bc-ea73-6242-2397-9f11c5db3497`. The page title is "Meet-Me Number Configuration - Microsoft Internet Explorer".

The web interface includes a navigation menu with the following items: System, Call Routing, Media Resources, Voice Mail, Device, Application, User Management, Bulk Administration, and Help. The user is logged in as "CCAdministrator".

The main content area is titled "Meet-Me Number Configuration" and includes a "Status" section showing "Status: Ready". Below this is the "Meet-Me Configuration" section with the following fields:

- Directory Number or Pattern*:
- Description:
- Partition:

At the bottom of the configuration section are buttons for "Save", "Delete", "Copy", and "Add New". A note below the buttons states: "i *- indicates required item."



Cisco Unified Presence (CUPS) Configuration

CUPS Version

Cisco Unified Presence Server Administration For Cisco Unified Communications Solutions Logged in as: CCMAAdministrator

System Cisco Unified Presence Server Application User Management Bulk Administration Help Log Off

Cisco Unified Presence Server Administration

System version: 1.0.3.1000-8
Administration version: 1.1.0.0-1
Cisco Unified CallManager publisher address: 172.20.241.254

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A summary of U.S. laws governing Cisco cryptographic products may be found at: <http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>.
If you require further assistance please contact us by sending email to export@cisco.com.

Done Local intranet



CUPS Method / Event – Based Routing Entries

The screenshot shows a web browser window displaying the Cisco Unified Presence Server Administration interface. The page title is "Find and List Method/Event-Based Routing Entries". The interface includes a navigation menu, a search bar, and a table of search results. The search results table has columns for Name, Description, Content Token, Destination Address, Destination Port, and Copy. There are four entries listed: SystemPublish, SystemSubscribe, UPCCN_ChgNotif, and UPCCN_LoginNotif. Below the table are buttons for "Add New", "Select All", "Clear All", and "Delete Selected", along with a "Rows per Page" dropdown set to 50.

Navigation Cisco Unified Presence Server Administration **Go**

Cisco Unified Presence Server Administration For Cisco Unified Communications Solutions Logged in as: CCMAAdministrator

System ▾ Cisco Unified Presence Server ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾ **Log Off**

Find and List Method/Event-Based Routing Entries

Status
4 records found

Search Options
Find Method/Event-Based Routing where Name ▾ begins with ▾ **Find** Search Within Results

Search Results

Name	Description	Content Token	Destination Address	Destination Port	Copy
<input type="checkbox"/> SystemPublish	System Managed Publish	PUBLISH	172.20.245.40	5070	
<input type="checkbox"/> SystemSubscribe	System Managed Subscribe	SUBSCRIBE	172.20.245.40	5070	
<input type="checkbox"/> UPCCN_ChgNotif	Change Notification	DBChangePkg	172.20.245.40	5065	
<input type="checkbox"/> UPCCN_LoginNotif	Multi-Login Notification	LoginPkg	172.20.245.40	5065	

Rows per Page 50 ▾



CUPS Method / Event – Based Routing Configuration

The screenshot shows the Cisco Unified Presence Server Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://172.20.245.40/ccadmin/contentRoutingEdt.do?key=23621839-30d0-4373-abec-c1b58eaffa8d>. The page title is "Method/Event-Based Routing Configuration - Microsoft Internet Explorer".

The main content area displays the "Method/Event-Based Routing Configuration" page. The status is "Ready". The configuration details are as follows:

Method/Event-Based Routing Information	
Name*	SystemPublish
Description	System Managed Publish
Content Token*	PUBLISH
Content Category*	Method-Based
Destination Address*	172.20.245.40
Destination Port*	5070
Protocol Type*	TCP

Buttons: Save, Delete, Copy, Add New

*- indicates required item.



Unified CallManager Presence Gateway Configuration

The screenshot shows a web browser window titled "CallManager Presence Gateway Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.245.40/ccadmin/backendGatewayEdit.do?key=1e3831d6-86bd-bd95-8d24-1a0118522306>. The page content includes a navigation menu, a status section, and a configuration form.

Navigation: Cisco Unified Presence Server Administration

Cisco Unified Presence Server Administration For Cisco Unified Communications Solutions Logged in as: CCAdministrator

System ▾ Cisco Unified Presence Server ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾ **Log Off**

CallManager Presence Gateway Configuration Related Links: [Back To Find/List](#) **Go**

Status
Status: Ready

CallManager Presence Gateway Information

Description*	CM-CLUSTER GW
CallManager Presence Gateway*	CM-cluster1-p.pbxmlab.org

Save Delete Copy Add New

*- indicates required item.



CTI Gateway Configuration

The screenshot shows the Cisco Unified Presence Server Administration web interface in Microsoft Internet Explorer. The browser address bar shows the URL: `https://172.20.245.40/ccadmin/ctiSettingsEdit.do`. The page title is "Cisco Unified Presence Server Administration" and it indicates the user is logged in as "CCAdministrator".

The main content area is titled "CTI Gateway Settings" and contains the following sections:

- Status:** Status: Ready
- Application Settings:**
 - Application Status*: On
 - Application Username*: CtiGW
 - Application Password*: [Redacted]
 - Confirm Password*: [Redacted]
 - CTI Address: 172.20.241.254
 - CTI Address (Failover): 172.20.241.253
 - Heartbeat Interval (seconds)*: 8
 - Session Timer (seconds)*: 1810

At the bottom of the settings section, there is a "Save" button. Below the settings, an information icon indicates that an asterisk (*) denotes a required item.



MOC Assignments

Find and List MOC Assignments - Microsoft Internet Explorer

Address: <https://172.20.245.40/ccmadmin/ctiAssignmentFindList.do?<%=reqParams%>&recCnt=0&colCnt=6>

Find and List MOC Assignments

Status
17 records found

MOC Usage
17 MOC users assigned

Search Options
Find MOC Assignment(s) where User ID begins with Search Within Results
(enduser.userid begins with any)

Search Results

User ID	Last Name	Manager	Department	MOC Enabled
<input type="checkbox"/> 4100	4100			✓
<input type="checkbox"/> 4101	4101			✓
<input type="checkbox"/> 4112	4112			✓
<input type="checkbox"/> LCSTEST	TEST			✓
<input type="checkbox"/> Pool3A	pool3A			✓
<input type="checkbox"/> Pool3B	Pool3B			✓
<input type="checkbox"/> Pool3C	Pool3C			✓
<input type="checkbox"/> Pool3D	Pool3D			✓
<input type="checkbox"/> Pool3E	Pool3E			✓
<input type="checkbox"/> Pool4B	Pool4			✓
<input type="checkbox"/> Pool4C	Pool4			✓
<input type="checkbox"/> Pool4D	4D			✓
<input type="checkbox"/> RobWest	Westover			✓
<input type="checkbox"/> fcruz	Cruz			✓
<input type="checkbox"/> pool4A	pool4			✓
<input type="checkbox"/> -----	-----			✓



AXL Information

The screenshot shows a web browser window titled "AXL Configuration - Microsoft Internet Explorer". The address bar shows the URL "https://172.20.245.40/ccmadmin/axlPrefsEdit.do". The page content includes a navigation menu with "Cisco Unified Presence Server Administration" selected. The main content area is titled "AXL Configuration" and contains a "Status" section with "Status: Ready". Below this is an "AXL Information" section with three input fields: "AXL Username*" containing "CCMAdministrator", "AXL Password*" (masked with dots), and "Confirm Password*" (masked with dots). A "Save" button is located below the input fields. A note at the bottom states "i *- indicates required item." The browser's status bar at the bottom shows "Done" and "Local intranet".



Privacy ACL Entry (Allowed Destination Host)

The screenshot shows the Cisco Unified Presence Server Administration web interface. The browser window title is "Find and List Allowed Destination Hosts - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.245.40/ccmadmin/privacyAdFindList.do?<%=reqParams%>&recCnt=0&colCnt=6>. The page title is "Find and List Allowed Destination Hosts". The user is logged in as "CCAdministrator".

Status
5 records found

Search Options
Find Privacy ACL Entry where begins with Search Within Results
(address begins with any)

Search Results

	Address Pattern	Description	Copy
<input type="checkbox"/>	172.20.191.150		
<input type="checkbox"/>	172.20.245.85		
<input type="checkbox"/>	192.168.101.10		
<input type="checkbox"/>	192.168.1.10		
<input type="checkbox"/>	172.20.191.151		

Rows per Page



Proxy ACL Entry (Allowed Incoming Host)

The screenshot shows a web browser window titled "Privacy Access Control List Configuration - Microsoft Internet Explorer". The address bar shows the URL: <https://172.20.245.40/ccmadmin/privacyAclEdit.do?key=8e67d231-dea2-e231-b43c-1f8e8c48eb25>. The page content includes a navigation menu with "Cisco Unified Presence Server Administration" selected. The main heading is "Privacy Access Control List Configuration". Below this, there is a "Status" section showing "Status: Ready". The "Privacy ACL Information" section contains a "Description" field and an "Address Pattern*" field with the value "172.20.245.85". At the bottom of the form, there are buttons for "Save", "Delete", "Copy", and "Add New". A note below the buttons states: "i *- indicates required item."



IP Phone Messenger Setting

The screenshot shows a web browser window titled "IP Phone Messenger Settings - Microsoft Internet Explorer". The address bar shows the URL "https://172.20.245.40/ccmadmin/ppmPrefsEdt.do". The page content includes a navigation menu for "Cisco Unified Presence Server Administration" and a "Log Off" button. The main section is titled "IP Phone Messenger Settings" and contains a "Status" section showing "Ready". Below this is the "Application Settings" section, which includes a table of configuration options:

Application Settings	
IPPM Application Status*	On
Application Username	PhoneMessenger
Application Password
Confirm Password
Max Contact List Size*	100
Max Instant Message History Size*	25
Subscription timeout (seconds)*	3600
Publish timeout (seconds)*	3600

Below the table is a "Save" button and a note: "i *- indicates required item."



IP Phone Messenger User

Find and List IP Phone Messenger Users

Status
17 records found

Search Options
Find IP Phone Messenger Status where begins with Search Within Results
(userid begins with any)

Search Results

	User-ID	First Name	Last Name	Manager	Department	Login Status
<input type="checkbox"/>	4100		4100			
<input type="checkbox"/>	4101		4101			
<input type="checkbox"/>	4112		4112			
<input type="checkbox"/>	LCSTEST		TEST			
<input type="checkbox"/>	Pool3A		pool3A			
<input type="checkbox"/>	Pool3B		Pool3B			
<input type="checkbox"/>	Pool3C		Pool3C			
<input type="checkbox"/>	Pool3D		Pool3D			
<input type="checkbox"/>	Pool3E		Pool3E			
<input type="checkbox"/>	Pool4B		Pool4			
<input type="checkbox"/>	Pool4C		Pool4			
<input type="checkbox"/>	Pool4D	Pool	4D			
<input type="checkbox"/>	RobWest	Rob	Westover			
<input type="checkbox"/>	feruz	Filli	Cruz			
<input type="checkbox"/>	pool4A		pool4			
<input type="checkbox"/>	smasters	Steve	Masters			
<input type="checkbox"/>	tvore	Terry	Vore			



Application User Configuration

Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address: <https://172.20.245.40/ccmadmin/appuserEdit.do?key=14b8c0a2-ca4f-c551-e63d-9bdf7c68f4ac> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

Application User Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Application User Information

User ID*

Password*

Confirm Password*

Digest Credentials

Confirm Digest Credentials

Presence Group*

Accept Presence Subscription

Accept Out-of-dialog REFER

Accept Unsolicited Notification

Accept Replaces Header

Device Information

Available Devices

Done Local Intranet



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.245.40/ccadmin/appuserEdit.do?key=14b8c0a2-ca4f-c551-e63d-9bdf7c68f4ac> Go Links

Google Go Bookmarks 0 blocked Check AutoLink AutoFill Send to Settings

▼ ▲

Associated CAPF Profiles

Edit Profile

▼ ▲

Permissions Information

Groups

Edit Group

▼ ▲

Roles

Edit Role

▼ ▲

Save Delete Copy Add New

*- indicates required item.

Done Local intranet



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address: https://172.20.245.40/ccmadmin/appuserEdit.do?key=68d66d7e-96db-63be-1397-72c81dcfee5f

Google Go Links Settings

Application User Configuration Related Links: Back To Find/List Go

Status: Ready

Application User Information

User ID* PhoneMessenger

Password* [Masked]

Confirm Password* [Masked]

Digest Credentials [Empty]

Confirm Digest Credentials [Empty]

Presence Group* Standard Presence group

Accept Presence Subscription

Accept Out-of-dialog REFER

Accept Unsolicited Notification

Accept Replaces Header

Device Information

Available Devices [Empty]

Find more Phones

Find more Route Points

Find more Pilot Points

Done Local Intranet



Application User Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Chat

Address <https://172.20.245.40/ccmadmin/appuserEdit.do?key=68d66d7e-96db-63be-1397-72c81dcfee5f> Go Links

Google Go blocked AutoLink AutoFill Send to Settings

▼ ▲

Associated CAPF Profiles

Edit Profile

▼ ▲

Permissions Information

Groups

Edit Group

▼ ▲

Roles

Edit Role

▼ ▲

Save Delete Copy Add New

*- indicates required item.

Done Local intranet



Configuring the Cisco Content Switch CSS11501 Load Balancer

```
CSS11501# sh run
```

```
!Generated on 12/29/2006 11:33:39
```

```
!Active version: sg0810106
```

```
configure
```

```
!***** GLOBAL *****
```

```
ip management route 172.20.2.0 255.255.255.0 172.20.201.1
```

```
ip route 0.0.0.0 0.0.0.0 172.20.191.1 1
```

```
!***** INTERFACE *****
```

```
interface e1
```

```
bridge vlan 5
```

```
description "LCS-POOL3"
```

```
interface e2
```

```
bridge vlan 2
```

```
interface e5
```

```
bridge vlan 10
```

```
description "LCS-POOL4"
```



```
interface e8

description "NETWORK"

bridge vlan 4

!***** CIRCUIT *****

circuit VLAN5

ip address 192.168.1.1 255.255.255.0

circuit VLAN4

ip address 172.20.191.2 255.255.255.0

circuit VLAN10

ip address 192.168.101.1 255.255.255.0

!***** SERVICE *****

service LCSPool3_135

ip address 192.168.1.10

port 135

protocol tcp

keepalive type none

active
```



service LCSPOOL3_5060

ip address 192.168.1.10

port 5060

protocol tcp

keepalive port 5060

keepalive type none

active

service LCSPOOL3_5061

ip address 192.168.1.10

port 5061

protocol tcp

keepalive port 5061

keepalive type none

active

service LCSPOOL4_5060

ip address 192.168.101.10

port 5060

protocol tcp

keepalive type none

active

service LCSPOOL4_5061



ip address 192.168.101.10

port 5061

protocol tcp

keepalive type none

active

!***** OWNER *****

owner LCSPool3

content LCSPool3_135

add service LCSPool3_135

port 135

protocol tcp

vip address 172.20.191.10

active

content LCSPool3_5060

add service LCSPool3_5060

protocol tcp

port 5060

vip address 172.20.191.10

active

content LCSPool3_5061

protocol tcp



```
add service LCSPPOOL3_5061
```

```
port 5061
```

```
vip address 172.20.191.10
```

```
active
```

```
owner LCSPPOOL4
```

```
content LCSPPOOL4_5060
```

```
add service LCSPPOOL4_5060
```

```
vip address 172.20.191.100
```

```
protocol tcp
```

```
port 5060
```

```
active
```

```
content LCSPPOOL4_5061
```

```
add service LCSPPOOL4_5061
```

```
vip address 172.20.191.100
```

```
protocol tcp
```

```
port 5061
```

```
active
```

```
!***** GROUP *****
```

```
group backend
```

```
add service LCSPPOOL4_5060
```

```
vip address 172.20.191.150
```



active

group backend2

add service LCSPool3_5060

vip address 172.20.191.151

active

CSS11501#

CSS11501#

CSS11501#

CSS11501# sh ver

Version: sg0810106 (08.10.1.06)

Flash (Locked): 08.10.1.06

Flash (Operational): 08.10.1.06

Type: PRIMARY

Licensed Cmd Set(s): Standard Feature Set

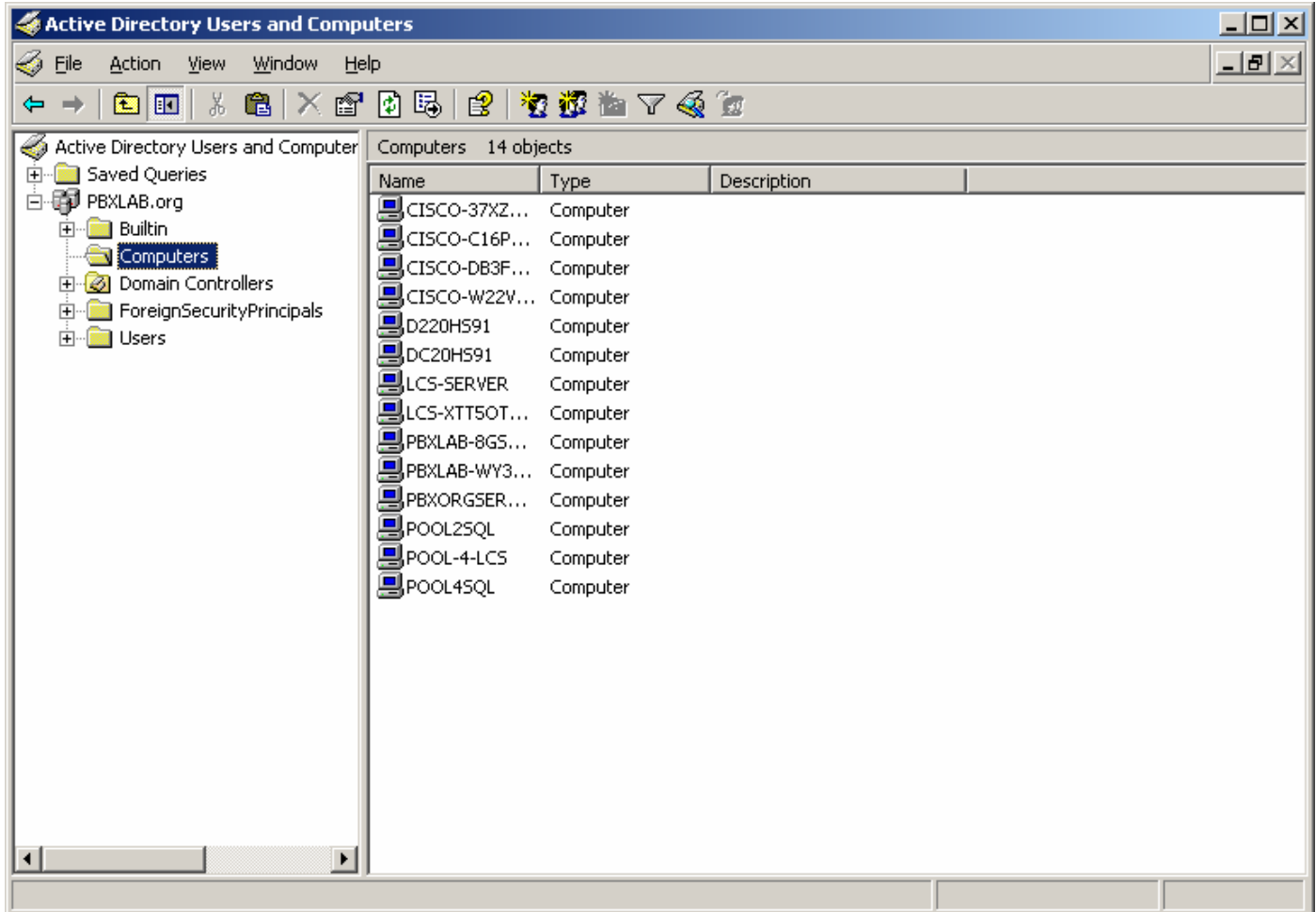
Enhanced Feature Set

CSS11501#



Configuring the LCS Enterprise Edition

Domain Name Server






Pool Properties

pool3 Properties [X]

Federation | Host Authorization | Archiving | Address Book
General | Routing | Compression | Authentication

 pool3

Display Name:


Back-End Server address:

Maximum contacts per user

OK Cancel Apply Help

pool4 Properties [X]

Federation | Host Authorization | Archiving | Address Book
General | Routing | Compression | Authentication

 pool4

Display Name:

Back-End Server address:

Maximum contacts per user

OK Cancel Apply Help



Static Route

Edit Static Route [X]

Matching URI (Uniform Resource Identifier)
Wildcard characters can be used in the user and domain names.

User:

Domain:

Phone URI

Next hop

Network address:

IP address:

Transport: [v]

Port:

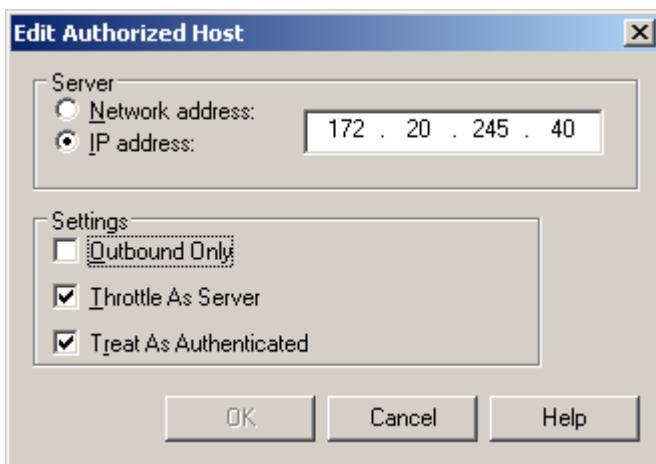
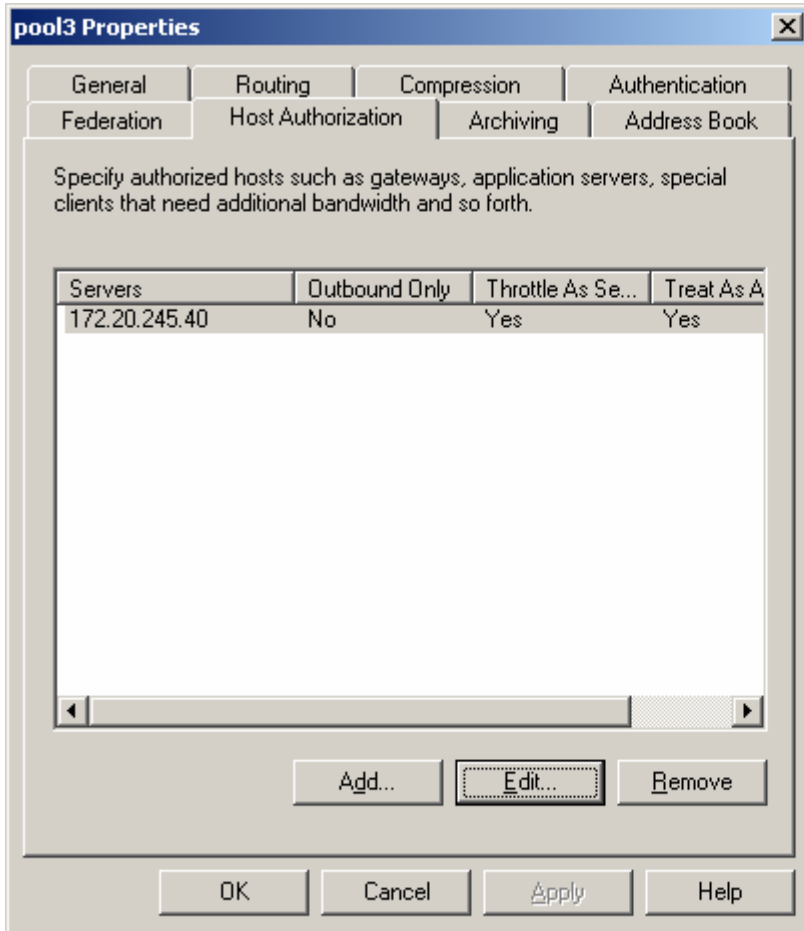
Replace host in request URI

Note: If this route requires a certificate, please make sure that each server in this pool has a valid certificate that can be used with this route. Use the 'Security' tab on the server property sheet to configure the certificate.

OK Cancel Help



Authorized Host





Server Properties

pbxorgserver.pbxlab.org Properties

General Security Logging

Live Communications Server

Server:
pbxorgserver.pbxlab.org

Connections
Specify how this server handles inbound connections

Address	Port	Transport
<input checked="" type="checkbox"/> All	5061	Mutual TLS
<input checked="" type="checkbox"/> All	5060	TCP

Add... Edit... Remove

OK Cancel Apply Help



Pool Users

The screenshot shows the Microsoft Office Live Communications Server 2005 interface. On the left is a tree view of the server hierarchy, including domains, servers, and user pools. The main pane displays a table of users, with the 'Users' folder under 'pool3' selected. The table lists various users, including individual users and pool members.

Enabled	Display name	SIP URI	Type
Enabled	4100 4100	sip:4100@pbxlab.org	User
Enabled	LCSTEST	sip:LCSTEST@pbxlab.org	User
Enabled	Rob Westover	sip:robwest@pbxlab.org	User
Enabled	Steve Masters	sip:smasters@pbxlab.org	User
Enabled	Terry Vore	sip:Tvore@pbxlab.org	User
Enabled	4112	sip:4112@pbxlab.org	User
Enabled	Pool3A	sip:Pool3A@pbxlab.org	User
Enabled	Pool3C	sip:Pool3C@pbxlab.org	User
Enabled	Pool3B	sip:Pool3B@pbxlab.org	User
Enabled	Pool3D	sip:Pool3D@pbxlab.org	User
Enabled	Pool3E	sip:Pool3E@pbxlab.org	User



User Configuration

User Pool3E Properties [X]

Live Communications

Enable Live Communications for this user

SIP URI:
Example: sip:user@domain.com

User sign-in name: Pool3E@pbxlab.org

Server or pool: ▼

Allow and block list:

User Advanced Settings [X]

Federation Settings

- Enable federation
- Enable public IM connectivity
- Enable remote user access

Enable Remote Call Control

Device URI of the user's phone:

- SIP URI:
- TEL URI:

Remote Call Control SIP URI:

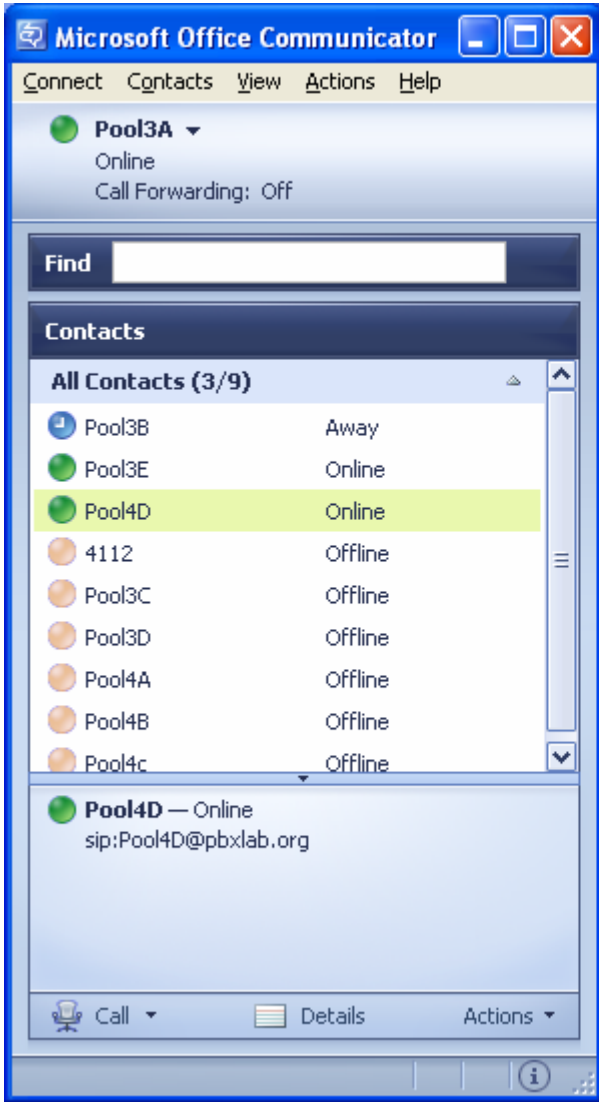
Archiving Settings

- Use global default archiving setting
- Archive all communications
- Archive all communications without message body
- Do not archive communications

OK Cancel Help



Microsoft Office Communicator (MOC) Configuration



Options [X]

Personal | General | Instant Messages | Alerts | Permissions | Phones | Accounts | Rules

My phone numbers

To enter or edit your phone numbers, click the Phone button (Work, Mobile, Home, or Other) next to each phone number. Select the Publish this phone number check box next to each phone number you want to share with others.

Work Phone...	41015	<input checked="" type="checkbox"/> Publish this phone number
Mobile Phone...	41015	<input checked="" type="checkbox"/> Publish this phone number
Home Phone...		<input type="checkbox"/> Publish this phone number
Other Phone...	51003	<input type="checkbox"/> Publish this phone number

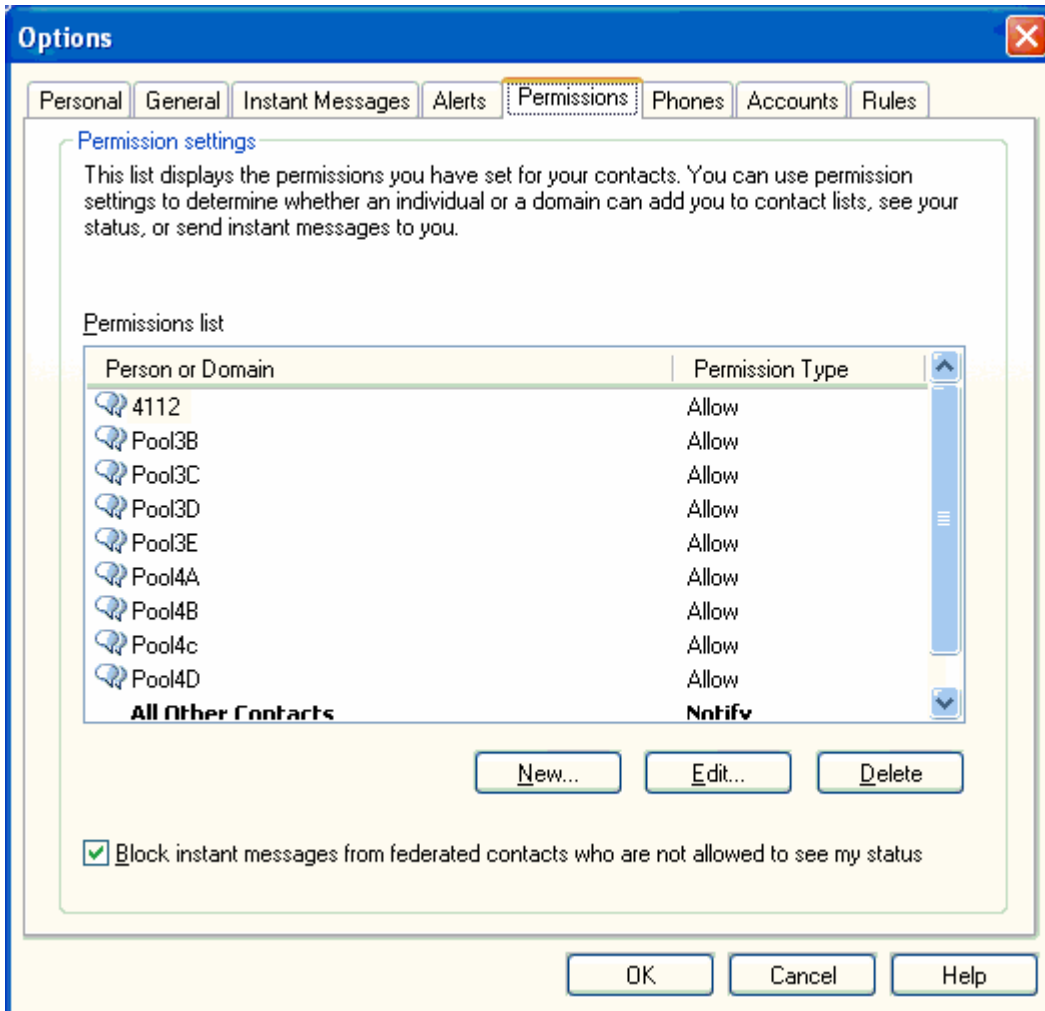
Select your personal information manager

Windows Address Book (Contacts)

Microsoft Office Outlook (Contacts, Calendar, Out of Office, missed-call e-mail, etc.)

None

OK Cancel Help



Options [Close]

Personal | General | Instant Messages | Alerts | Permissions | Phones | **Accounts** | Rules

My account name

Sign-in name:

Phone integration

Enable phone integration

Communicator can place and receive phone calls. If you need to change the automatic phone configuration, select Manual configuration and then click Configure.

Automatic Configuration
 Manual configuration

Conferencing information

Conference ID:

Leader code:

Participant code:

Domain:

Toll:

Toll free:

Advanced Connection Settings ✕

Select which method should be used to configure your connection to a communications service:

Automatic configuration

Configure settings

Server name or IP address:

Connect using:

ICP

TLS



Acronyms

CUCM	Cisco Unified CallManager
CTI	Computer Telephony Interface
CUPS	Cisco Unified Presence
DND	Do-Not-Disturb
DTMF	Dual Tone MultiFrequency
DTP	DeskTop Phone
GUI	Graphical User Interface
IETF	Internet Engineering Task Force
IM	Instant Messaging
IPPM	Internet Protocol Phone Messenger
MS LCS	Microsoft Live Communication Server (EE SP1)
MCS	Multimedia Communication Server
MSN	Microsoft Network
MPOP	Multiple Point Of Presence
SCCP	Skinny Protocol
SIMPLE	SIP Instant Messaging and Presence Levering Extensions
SIP	Session Initiation Protocol
SNMP	Simple Network Management Protocol
TCP	Transmission Control Protocol
TLS	Transport Layer Security
XML	Extensible Markup Language
MOC	Microsoft Office Communicator
QoS	Quality of Service
GW	Gateway
S/W	Software
QBE	Quick Buffer Encoding, Protocol
DB	Database



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