

Microsoft Lync 2010 using SIP via Cisco Unified Communications Manager – Session Manager Edition 9.0 to Cisco Unified Communications Manager 9.0 and Cisco Unified Border Element (Enterprise Edition) 1.4 on ASR to Service Provider

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# Introduction

- This application note describes the necessary steps and configurations for connectivity between Cisco Unified Communications Manager-Session Manager Edition (Cisco UCM-SME) 9.0 via Direct SIP to Microsoft Lync 2010 server using Microsoft Mediation Server, and via SIP connection to a Cisco Unified Communications Manager (Cisco UCM) 9.0, and SIP connection to simulated Service Provider (SP) using Cisco Unified Border Element (Cisco UBE) 1.4. The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability between the different leaf nodes (Microsoft Lync 2010, Cisco UCM and Cisco UBE/SP) via the Cisco UCM-SME.
- Features tested are basic call, 3-way (ad-hoc) conference, call transfer (attended and unattended), call forward (all, busy and no answer), hold/resume, DTMF inter-working and voice mail. This test setup also includes a connection to a simulated service provider using SIP trunks. Cisco UBE is used as a session border controller (SBC), providing demarcation, security, and inter-working services between the customer's private network and the service provider's SIP network. Voice mail was tested for Cisco UCM users with mailboxes registered to Unity Connection via a Direct SIP trunk from Cisco UCM-SME. Fax could not be tested (see limitations section).
- During testing, a Cisco ASR 1002 router was used as Cisco UBE, however other Cisco voice gateways can be used and the decision to
  choose what Cisco gateway model to use is left to the customer. The customer should choose a Cisco IOS gateway model based on the
  capabilities and the capacity that will be required based on the planned network deployment. Here is a list of Cisco IOS products capable
  of running Cisco UBE.

Cisco ASR 1001 Aggregated Services Router Cisco ASR 1004 Aggregated Services Router with Route Processor-2 Cisco ASR 1006 Aggregated Services Router with Route Processor-2 Cisco 3900 Series Integrated Services Routers Cisco 2900 Series Integrated Services Routers Cisco AS5350XM Universal Gateway Cisco AS5400XM Universal Gateway Cisco 1861 Integrated Services Router Cisco 881 Integrated Services Router Cisco 881 Integrated Services Router Cisco 888 Integrated Services Router Cisco IAD880 Series Integrated Access Devices Cisco IAD2430 Integrated Access Device

- If additional guidance on the Cisco UBE is needed, please refer to the Cisco UBE section on the Cisco Interoperability Portal (www.cisco.com/go/interoperability).
- This configuration was tested to simulated service provider. Results may vary based on service provider being used.



### **Network Topology**



Figure 1. Basic Call Setup

Note: As of Cisco UCM-SME Rel. 8.5, for SIP trunk connection requiring Early Offer function, configuration is made under the SIP Profile configuration associated with the SIP trunk. Prior to Release 8.5, network administrators were forced to configure SIP trunks on Cisco UCM-SME to send early offer by using/allocating Media Termination Point. In Cisco UCM-SME Rel. 8.5 and later, the Media Termination Point (MTP) checkbox under the SIP Trunk configuration page no longer needs to be checked to implement early offer function.

### Capabilities

- Voice calls including supplementary services can be successfully established between endpoints controlled by the Microsoft Lync 2010 and endpoints controlled by the Cisco UCM.
- Voice calls including supplementary services can be successfully established between endpoints controlled by the Microsoft Lync 2010 and the PSTN, using Cisco UBE as a session border controller.
- IOS MTPs and transcoders registered to the Cisco UCM-SME can be employed to offer G729 as originating codec option.
- Cisco UCM now supports the use of the Audio Codec Preference and it uses them to select codec or prioritize codec's in the list. System now allows configuring customized Codec Preference List changing the order of codec's of any existing lists (Lossy and Low-Loss) as needed. System also allows the Admin to control if the received preference order of codec for SIP device can be honored by configuring "Accept Audio Codec Preferences in Received Offer" in SIP Profile or Service Parameter.
- Cisco UCM supports URI dialing but with certain new model of IP Phones and other endpoints only.



# Limitations

These are the known limitations, caveats, or integration issues.

- Microsoft Lync does not support sending or receiving calling and connected name in certain scenarios (like call forward and calltransfer). Cisco UCM sends its calling name and number to Microsoft Lync Mediation Server, but the Lync only displays the calling number and no name is displayed.
- Microsoft Lync 2010 does not provide music on hold (MoH) capability by default except on Microsoft Attendant Console. MoH needs to be enabled using CLI through the Lync Management Shell.
- Microsoft Lync 2010 displays presence information in the Enterprise Voice client only for other Enterprise voice users configured in the Active Directory and Enterprise voice enabled.
- For Microsoft Lync 2010, the Enterprise Voice client cannot be configured for Call Forward Busy. As an option the Enterprise Voice client allows the user to receive a notification of an incoming call during an active call and "redirect" the incoming call to a destination of the user's choice.
- Calling and connected number updates during call-forward and call-transfer scenarios are not fully supported due to SIP UPDATE messages not being interoperable between the systems. For e.g. when a Lync user transfers a PBX call to another PBX user, the local PBX phone will still show connected to the first Lync user.
- Cisco SIP Phones do not send out Comfort Noise payload 13 in the m line of the SDP to indicate support for Comfort Noise as per RFC 3389 and as a result Microsoft doesn't send out SID frames when call is muted on Microsoft side.
- Microsoft Lync 2010 sends its SIP URI @domain in the INVITE, while setting up a conference call, as a result the caller ID will not be displayed properly on the far end.
- When the Enterprise Voice client, initiates a conference call, the conference call does not end when the initiator hangs up, but only after all parties hang up. Additionally for the Enterprise Voice users on the conference call, the session is not dropped and they can rejoin the conference, unless they close the window pop-up for the call, referred to as the toast.
- The Media Bypass capability introduced in Microsoft Lync 2010 requires all media through a SIP trunk integration to originate on a single IP address. For this Microsoft requirement in a Lync to Cisco UCM inter-working, media termination point is required on the SIP trunk for Media Bypass to work.
- Media Bypass is a mandatory requirement if customers want to collocate the Mediation Server role with the Front-End server role.
   Important: According to the Microsoft Lync Planning Tool collocation should only be used if the IP-PBX and/or the voice gateways support Media Bypass and Enterprise voice is not considered mission critical to the organization.



- Media Bypass works as long as an MTP is required on the SIP trunk. The need for an MTP is due to the following:
  - 1. Lync supports Media Bypass with early offer, but does not support re-invite without SDP



- 2. Lync doesn't support Media Bypass with delayed offer
- 3. Because of #1, hold/resume, transfer, forward, etc won't work without an MTP.

RFC 3261 sections 13.2.1 and 14.1 make a strong case that Lync's behavior (#1 above) isn't compliant with MUST aspects of the SIP standard. Including the MTP enables standards-compliant interoperability in light of the Lync implementation.

- Microsoft Lync 2010 only supports TCP transport to carry SIP messages. If UDP is required CUBE can be used to perform the conversion.
- Microsoft Lync 2010 only supports G711 ulaw or alaw on the outside interface. If G729 is required CUBE or transcoder registered to SME can perform the transcoding function.
- Microsoft Lync 2010 does not support G711 Fax Passthrough, so the Fax is not tested on Lync.
- Fax T.38 to Service provider is not tested. Service Provider used for this test does not support Fax T.38 switchover.
- On Lync Mediation Server, RTCP is set to disabled, as RTCP is an end point specific configuration and not all Cisco phones support RTCP. Phones like 7970, 7962, and 9971 have this support and this can be enabled under Phone Configuration – Product Specific Configuration Layout.

#### **Features Supported**

- Basic calls
- Digits Translation
- Intra-site call conferencing
- Call Transfer-Attended and Unattended (See Limitations section for details)
- Hold and resume
- Call forward Unconditional, Busy and No reply (See Limitations section for details.)
- Simultaneous calls
- Inbound/Outbound Basic calls (G711 u-law and a-law) (RFC 3261)
- Call Forward (RFC 3261)
- Conference calls
- DTMF (RFC 2833)
- Options Testing
- Reliable 1XX Provisional Response or PRACK (RFC 3262)
- Early Media (RFC 3261)
- Call hold and resume using Offer/Answer Model (RFC 3264)
- ISDN Mapping
- URI Dialing

#### **Features Not Supported and Not Tested**

- T.38 FAX Relay was not tested. The Service provider used for this test does not support T.38 FAX.
- G.711 fax pass-through was not tested as Microsoft Lync does not support it.
- Blind call transfers



- Comfort noise is not supported
- Decline a call (CUCM phones divert calls to voicemail, instead of declining the call)

# **System Components**

#### **Hardware Requirements**

The following hardware is required:

- Cisco MCS 7835 Unified Communications Manager
- Cisco MCS 7835 Session Manager Edition
- Cisco 3825 voice gateway
- Cisco ASR1K router
- One Cisco Unified IP phone 7961 configured as SCCP phone
- One Cisco Unified IP phone 7971 configured as SCCP phone
- One Cisco Unified IP phone 9971 configured as SIP phone (Supports URI Dialing)
- Two DELL notebooks running LYNC clients
- One DELL notebook running LYNC 2010 Attendant Console

# **Software Requirements**

The following software is required:

- Cisco Unified Communications Manager Release 9.0
- Cisco UCM-Session Manager Edition Release 9.0
- Microsoft Lync Server 2010 Standard Edition, Windows Server 2008 R2 SP1 x64 Enterprise Edition OS
- Windows Active Directory/DNS/Cert Server, Windows Server 2008 R2 SP1 x64 Enterprise Edition OS
- Backend Database: Windows SQL Server 2008 Enterprise Edition, Windows Server 2008 R2 SP1 x64 Enterprise Edition OS
- Microsoft Lync 2010 (build 4.0.7577.4)
- Cisco ASR1K router Release 3.4.2.S

# **IMPORTANT:**

Microsoft Lync Server, Mediation Server and Lync Communicator all need to run through the Microsoft Update website to have the latest updates installed for this integration to work correctly.



# **System Configuration**

This section contains configuration menus and commands and describes configuration sequences and tasks.

# Configuring the Microsoft LYNC 2010 Server Standard Edition

The look and feel between Lync and the previous versions are different (refer to the captured screenshots) and tools like Lync planning tool, Topology builder, Lync Server Control Panel, Lync Management Shell are added. The main differences were seen during the deployment of the Lync environment itself and how its own components connected to each other. Those differences include, the use of 64-bit servers for each component (refer to Software Requirements section), the need for an interface module (automatically downloaded during installation) on the Front End Servers to enable communication with SQL 2008 (refer to the Microsoft deployment and installation guides for more information, links included below), and finally the configuration of the certificate authority server (refer to the Microsoft deployment and installation guides for more information, links included below).

For Cisco documentation guides including release notes, data sheet, compatibility matrix, deployment, installation guides etc, go to: <u>http://www.cisco.com/en/US/prod/collateral/voicesw/ps6788/vcallcon/ps556/ps12515/data\_sheet\_c78-710875.html</u> <u>http://www.cisco.com/en/US/docs/voice\_ip\_comm/cucm/docguide/9\_0\_1/CUCM\_BK\_CEDBAA6F\_00\_cucm-documentation-guide-90.html</u> <u>http://www.cisco.com/en/US/docs/voice\_ip\_comm/cucm/compat/ccmcompmatr1.pdf</u> <u>http://www.cisco.com/en/US/docs/voice\_ip\_comm/cucm/rel\_notes/9\_0\_1/CUCM\_BK\_RF912712\_00\_cucm-release-notes-90.html</u>

For Microsoft deployment and installation guides, go to: http://technet.microsoft.com/en-us/library/gg293124.aspx http://technet.microsoft.com/en-us/library/gg398616.aspx



# Configuration Steps:

- 1. Domain Name System Configuration
- 2. Front End Server/Pool Configuration
- 3. Mediation Server Configuration
- 4. User Configuration
- 5. Microsoft Lync 2010 Configuration

Please refer to the Microsoft Lync Standard Edition Server deployment guide for setup details. Only interoperability related configurations are included in this document.

# Domain Name System Configuration

*Start > Administrative Tools > DNS* 

### Forward Lookup Zone

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E MedServer34		Host (A)	172.20.109.254	
_tcp	UCCLIENT12	Host (A)	172.20.109.54	7/22/2011 3:00
E 🧮 Reverse Lookup Zones		Host (A)	172.20.109.56 172.20.117.120	7/25/2011 3:00
👔 109.20.172.in-addr.arpa	(same as parent folder)	Host (A)		8/19/2011 8:00
117.20.172.in-addr.arpa	lync2010ad-rtm	Host (A)	172.20.117.120	static
85.20.172.in-addr.arpa Conditional Forwarders	LYNC2010MEDPRTM	Host (A)	172.20.117.130	8/19/2011 3:00
Conditional Porwarders     Global Logs	MedServer3	Host (A)	172.20.117.131	8/16/2011 5:00
B DNS Events	MedServer4	Host (A)	172.20.117.132	4/11/2011 2:00
End Divid Lybrids	LYNC2010FE1-RTM	Host (A)	172.20.117.152	8/16/2011 3:00
		Host (A)	172.20.117.203	5/29/2011 7:00
	LYNC2010CLIENT3	Host (A)	172.20.201.169	8/21/2011 3:00
	LYNC2010CLIENT4	Host (A)	172.20.201.171	8/16/2011 2:00
	lyncpc1-PC	Host (A)	172.20.8.141	8/17/2011 3:00
	Ivncpc2-PC	Host (A)	172.20.8.142	8/17/2011 3:00
	Ivncpc3-PC	Host (A)	172.20.8.143	8/18/2011 11:0
		Host (A)	172.20.85.101	static
	CUCM-EXUM10	Host (A)	172.20.85.110	static
		Host (A)	172.20.85.110	static
		Host (A)	172.20.85.110	static
	(same as parent folder)	Start of Authority (SOA)	[562], lync2010ad-rtm.lync2010rtm.com., hostmaster.lync	static
	(same as parent folder)	Name Server (NS)	lync2010ad-rtm.lync2010rtm.com.	static

Host A records added for Lync Front End server, Active Directory/DNS and Mediation Server.



# Reverse Lookup Zones Configuration



PTR Records added for the Lync server and Active Directory.



# SRV Records Configuration



SRV Record added for SIP domain service offered by the Lync pool (for Automatic Client Sign-in).



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🖃 👩 lync2010rtm.com	ldap	Service Location (SRV)	[0][100][389] lync2010ad-rtm.lync2010rtm.com.	8/19/2011 8:00:00
	_kpasswd	Service Location (SRV)	[0][100][464] lync2010ad-rtm.lync2010rtm.com.	8/19/2011 8:00:00
	kerberos	Service Location (SRV)	[0][10][88] lync2010ad-rtm.lync2010rtm.com.	8/19/2011 8:00:00
iii _top ⊛ _udp	_sip Properties		? ×	
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	Domain:  lynd	:2010rtm.com		
👔 109.20.172.in-addr.arpa	Service:	)		
117.20.172.in-addr.arpa				
6 85.20.172.in-addr.arpa Conditional Forwarders	Protocol:	P		
E 🗐 Global Logs	Priority: 0			
DNS Events	Weight:			
	Port number: 506	68		
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	lync2010fe1-rtm.lync201			
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Lync Server 2010 Site Topology Overview









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Director pools		coconingi				
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+ j SQL stores ∓ j File stores						🗙 Delete
	FQDN:		FE1-RTM.lync2010rtm.com			Help
E LYNC2010FE1-RTM.lync2010rtm.com	Ports:		HTTP: HTTPS:			
⊞		Listening:	8080 4443			
표 尾 MedServer4.lync2010rtm.com						
E D PSTN gateways						
	Conferencing		7	•		
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⊞ GUCM1.lync2010rtm.com						
🕀 🖷 CUCM2.lync2010rtm.com	Instant Messaging Conferencing service:	Enabled				
I72.20.85.101	-					
172.20.8.41	Web Conferencing service:	Enabled				
<ul> <li></li></ul>	Application Sharing service:	Enabled				
Monitoring Servers		marking.				
Archiving Servers	A/V Conferencing service:	Enabled				
Edge pools						
Trusted application servers						
🛨 🚞 Branch sites	Mediation Server			•	·	
	Collocated Mediation	Enabled				
	Server:					
	TLS listening port:	5067				
	TCP listening port:	5068				
	PSTN Gateways:	Default	Gateway	Site		
			CUCM-ExUM10.lync2010rtm.com	LyncRTM		
			172.20.201.254	LyncRTM		
			172.20.85.110	LyncRTM		
			172.20.85.101	LyncRTM		
			172.20.8.41 172.20.201.169	LyncRTM LyncRTM		
			172.20.109.254	LyncRTM		
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SME must be added in Topology Builder as a PSTN gateway. PSTN gateway is the generic term to refer to IP-PBX and other gateway devices. The topology must be published to Central Management store. After the PSTN gateway (that is, SME) is added to the topology, it appears in the Lync Server Control Panel. The first thing to do is to add a trunk to the IP-PBX (that is, SME)



Lync Front End server configuration with FQDN and PSTN Gateway associated with the Mediation Pool

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Lync Server 2010	Mediation Server PSTN		Actions
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LYNC2010FE1-RTM.lync2010rtm.com	TLS listening port:	5067	Edit Properties
Enterprise Edition Front End pools	TCP listening port:	5068	Topology
<ul> <li></li></ul>	PSTN Gateways:	Default Gateway	View
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Monitoring Servers     Archiving Servers			
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Listening port of the SME is left to default 5060.



# Active Directory User Configuration

Create users from Front End Server by accessing the Active Directory Users and Computers window

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🖃 🏥 lync2010r		🔱 Client01 RTM	User		
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🕀 🧮 Comp		Client05 RTM	User		
	in Controllers	🛃 Guest	User	Built-in account for guest	
	gnSecurityPrincipals	👢 Lync02 RTM	User		
	ged Service Accounts	👗 Lync04 RTM	User		
🧮 Users	Delegate Control	Rcc1 Pool2	User		
	Find	Rcc2 Pool2	User		
		Prc3 Pool1	User		
	New	Computer	User		
	All Tasks	<ul> <li>Contact</li> </ul>	User		
	View	Group	User		
	71077	InetOrgPerson	User		
	Refresh	msImaging-PSPs	Security Group	Members of this group ca	
	Export List	MSMQ Queue Alias	Security Group	1embers of this group ca	
	Properties	Printer	Security Group	1embers of this group ca	
	Propercies	User	Security Group	1embers of this group ha	
	Help	Shared Folder	Security Group	fembers of this group ca	
		Scale Content Administrator	Security Group	1embers of this group ca	
		SUserAdministrator	Security Group	Members of this group ca	
		& CSViewOnlyAdministrator	Security Group	1embers of this group ca	
		& CSVoiceAdministrator	Security Group	fembers of this group ca	
		& Enterprise Admins	Security Group	Designated administrators	
		& Enterprise Read-only Dom	Security Group	Members of this group are	
		& RTCComponentUniversal5	Security Group	Members can be used as	
		& RTCHSUniversalServices	Security Group	Members can be used as	
		& RTCProxyUniversalServices	Security Group	Members can be used as	
		& RTCSBAUniversalServices	Security Group	Members have read acces	
		& RTCUniversalConfigReplic	Security Group	1embers can participate i	
		& RTCUniversalGlobalReadO	Security Group	Members have read acces	
		& RTCUniversalGlobalWriteG	Security Group	1embers have write acce	
		& RTCUniversalReadOnlyAd	Security Group	Members can only read R	
		& RTCUniversalSBATechnicians	Security Group	Members have read acces	
		& RTCUniversalServerAdmins	Security Group	1embers can manage all a	
		& RTCUniversalServerRead	Security Group	Members have read acces	
		& RTCUniversalUserAdmins	Security Group	Members can manage RT	
		& RTCUniversalUserReadOn	Security Group	Members have read acces	
		Schema Admins	Security Group	Designated administrators	
		& DnsUpdateProxy	Security Group	DNS clients who are permi	
		🍇 Domain Admins	Security Group	Designated administrators	
		& Domain Computers	Security Group	All workstations and serve	
		& Domain Controllers	Security Group	All domain controllers in th	
		🍇 Domain Guests	Security Group	All domain guests	
		🍇 Domain Users	Security Group	All domain users	
		🧟 Group Policy Creator Own	Security Group	Nembers in this group can	
		& Read-only Domain Control	Security Group	1embers of this group are	
		& Allowed RODC Password	Security Group	1embers in this group can	
		& Cert Publishers	Security Group	1embers of this group are	
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Active Directory Users and Computers				
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Active Directory Users and Computers [LYNC20	Name	Туре 🔻	Description	<b></b>
🕀 🚞 Saved Queries	👃 Administrator	User	Built-in account for admini	
🖃 🏥 lync2010rtm.com	Client01 RTM	User		
🕀 🚞 Builtin	Client03 RTM	User		
	👢 Client05 RTM	User		
🕀 🛅 Domain Controllers	🖁 Guest	User	Built-in account for guest	
ForeignSecurityPrincipals	Lync PC1	User		
Managed Service Accounts	Lync PC2	User		
📔 Users	Lync02 RTM	User		
	Lync04 RTM	User		
	Rcc1 Pool2	User		
	Rcc2 Pool2	User		
	Rcc3 Pool 1	User		
	User 1 Pool 1	User		
	User 2 Pool 1	User		
	& CSAdministrator	Security Group	Members of this group ca	
	& CSArchivingAdministrator	Security Group	Members of this group ca	
	& CSHelpDesk	Security Group	Members of this group ca	
	& CSLocationAdministrator	Security Group	Members of this group ha	
	& CSResponseGroupAdministrator	Security Group	Members of this group ca	
	& CSServerAdministrator	Security Group	Members of this group ca	
	& CSUserAdministrator	Security Group	Members of this group ca	
	& CSViewOnlyAdministrator	Security Group	Members of this group ca	
	& CSVoiceAdministrator	Security Group	Members of this group ca	
	& Enterprise Admins	Security Group	Designated administrators	
	Renterprise Read-only Domain Con		Members of this group are	
	RTCComponentUniversalServices	Security Group	Members can be used as	
	RTCHSUniversalServices	Security Group	Members can be used as	
	RTCProxyUniversalServices		Members can be used as	
		Security Group	Members can be used as Members have read acces	
	RTCSBAUniversalServices	Security Group		
	RTCUniversalConfigReplicator	Security Group	Members can participate i Members have read acces	
	RTCUniversalGlobalReadOnlyGroup	Security Group		
	RTCUniversalGlobalWriteGroup	Security Group	Members have write acce	
	& RTCUniversalReadOnlyAdmins	Security Group	Members can only read R	
	RTCUniversalSBATechnicians	Security Group	Members have read acces	
	RTCUniversalServerAdmins	Security Group	Members can manage all a	
	& RTCUniversalServerReadOnlyGroup		Members have read acces	
	& RTCUniversalUserAdmins	Security Group	Members can manage RT	
	& RTCUniversalUserReadOnlyGroup	Security Group	Members have read acces	•
	🔝 Schema Admins	Security Group	Designated administrators	



Active Directory Users and Computers					_ 🗆 ×
File Action View Help					
🗢 🔿 🙍 🖬 🔏 🗎 💥 🖬 🙆 🗟	🖸 🖬   🔧 📚 🛅 🔻 💆 🕯	2			
Active Directory Users and Computers [LYNC20	Name	Type 🔻	Description		<u> </u>
🗄 🧰 Saved Queries	👃 🕹 Administrator	User	Built-in account for admini		
🖃 🏥 lync2010rtm.com	👃 Client01 RTM	User			
🛨 🧮 Builtin	👃 Client03 RTM	User			
Computers	Client05 RTM	User		1	
Domain Controllers	🖁 Guest 🗳	ync04 RTM Propert	ies	? ×	
ForeignSecurityPrincipals     Managed Service Accounts	👃 Lync PC 1	Date 1			
Managed Service Accounts     Service Accounts     Service Accounts	👃 Lync PC2		Environment Sessions	Remote control	
USEIS	👃 Lync02 RTM	Remote Desktop S		irtual Desktop COM+	
	👃 Lync04 RTM	General Address	Account   Profile   Telephones	Giganization   Member Of	
	👃 Rcc 1 Pool 2	User logon name:			
	💑 Rcc2 Pool2	Lync04	@lync2010rl	m.com 🔽	
	🔱 Rcc3 Pool 1	Lynco4	[@iynczu i un	m.com	
	💑 User 1 Pool 1	User logon name (pr	re-Windows 2000):		
	👗 User 2 Pool 1	LYNC2010RTM\	Lync04		
	SAdministrator	,	, -		
	CSArchivingAdministrator	Logon Hours	Log On To		
	SHelpDesk CSHelpDesk		]]		
	SLocationAdministrator				
	& CSResponseGroupAdministrator	Unlock account			
	SServerAdministrator				
	SUserAdministrator	Account options:			
	SViewOnlyAdministrator	User must cha	inge password at next logon	▲	
	SVoiceAdministrator	User cannot o			
	Sector Admins	Password nev			
	Enterprise Read-only Domain Co		d using reversible encryption	_1 _1	
	RTCComponentUniversalService		a daling reversible eneryption	<u> </u>	
	RTCHSUniversalServices	Account expires -			
	& RTCProxyUniversalServices	Never			
	RTCSBAUniversalServices	C End of:	Sunday , November 25, 2	112 🔻	
	RTCUniversalConfigReplicator	, Liuoi.	Jounday , November 25, 2		
	RTCUniversalGlobalReadOnlyGr				
	RTCUniversalGlobalWriteGroup				
	RTCUniversalReadOnlyAdmins				
	RTCUniversalSBATechnicians		OK Cancel	Apply Help	
	RTCUniversalServerAdmins				
	RTCUniversalServerReadOnlyGrou		Members have read acces		
	& RTCUniversalUserAdmins	Security Group	Members can manage RT		
	& RTCUniversalUserReadOnlyGroup				•
	👷 Schema Admins	Security Group	Designated administrators		



# Computers on the Active Directory running LYNC clients

Active Directory Users and Computers				
File Action View Help				
Active Directory Users and Computers [LYNC2C     Saved Queries     Jync2010rtm.com     Builtin     Computers     Domain Controllers     ForeignSecurityPrincipals     Managed Service Accounts     Users	Name         Image: Laberce and the second	Type         Computer         Computer <t< th=""><th>Description</th><th></th></t<>	Description	
< >				



# Lync Server 2010 Configuration

Lync Server configuration can be done in a couple of ways—through the Microsoft Lync Server Control Panel or through Lync Server Management Shell. For the purposes of configuring a direct SIP connection with CUCM, we will illustrate the configuration by using the Lync Server Control Panel and Topology Builder.

# User Configuration from Control Panel

Start > All Programs > Microsoft Lync Server 2010 > Lync Server Control Panel

To add users got to Home > Enable users for Lync Server and then go to Users > Add and then do a find as shown below.

G.	Lync Server 201	10			F	Administrator   Sign o 4.0.757
5	Home	User Search				
32	Users					
×	Topology	Search      LDAP				
Ð	IM and Presence	Search for users by typin	g a user's name or clicking Ad	d filter 🗙	ind 🛛 🛱 🔚 + Add filter	*
3	Voice Routing					Search results: 12
5	Voice Features	🛱 Enable users 🔻 🥖	✓ Edit ▼ Action ▼			0
2	Response Groups	Display name	Enabled	SIP address	Registrar pool	Telephony
) )	Conferencing	Client01 RTM	J	sip:Client01@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
	-	Client03 RTM	J	sip:Client03@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
	Clients	Client05 RTM		sip:Client05@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
	External User Access	Lync PC1		sip:LyncPC1@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
_	Monitoring	Lync PC2	1	sip:LyncPC2@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
	and Archiving	Lync02 RTM	V	sip:Lync02@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
a	Security	Lync04 RTM	√ 	sip:Lync04@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Enterprise Voice
5	Network	Rcc1 Pool2	√ 	sip:Rcc1P2@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Remote call contro
	Configuration	Rcc2 Pool2	$\checkmark$	sip:Rcc2P2@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Remote call contro
		Rcc3 Pool1	√	sip:Rcc3p1@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Remote call contro
		User1 Pool1	$\checkmark$	sip:User1P1@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Remote call contro
		User2 Pool1	$\checkmark$	sip:User2P1@lync2010rtm.com	LYNC2010FE1-RTM.lync2010rtm.com	Remote call contro



Plicro	soft Lync Server 2010 Co	ntrol Panel	
A	Lync Server 20	10	Administrator   4
		User Search	-
	Home		
33	Users		
M	Topology	Edit Lync Server User - Lync04 RTM	
Ş	IM and Presence	Commit X Cancel	0
હ	Voice Routing	Display name:	
C	Voice Features	Lync04 RTM	
22	Response Groups	Enabled for Lync Server  SIP address:*	
, D	Conferencing	sip:Lync04 @ lync2010rtm.com	
	Clients	Registrar pool:	
	External User	LYNC2010FE1-RTM.lync2010rtm.com	
許	Access	Telephony:	
	Monitoring	Enterprise Voice	
	and Archiving	Line URI:	
	Security	tel:+14152221014	
œ	Network	Dial plan policy:	
-	Configuration	<automatic> View</automatic>	
		Voice policy: <automatic> View View</automatic>	
		Conferencing policy:	_
		<automatic> View</automatic>	
		Client version policy:	
		<automatic> View</automatic>	
		PIN policy:	
		<automatic> View</automatic>	

NEP 1	etwork onfiguration	PIN policy: <automatic></automatic>	▼ View		
		External access policy: <automatic></automatic>	▼ View		
5		Archiving policy: <automatic></automatic>	▼ View		
		Location policy: <automatic></automatic>	▼ View		12 UIL V
ł		Client policy: <automatic></automatic>	▼	•	
2					

# cisco.

In Lync Server, best practice is to use a dial plan that is based on the E.164 standard. This allows easier routing and troubleshooting as well as a scalable model for growth. It is best practices to represent numbers in an E.164 format (External DIDs as well as internal extensions).

# Voice Routing Configuration

Micro	soft Lync Server 2010 Co	ontrol	Panel								_
×	Lync Server 20	10									Administrator   Sign ou
œ.	Lyric Server 20	10				_			_		4.0.7577.
	Home		Dial Plan	Voice Policy	Route	PSTN Usage	Trunk Con	iguration	Test Voice Rou	ting	
33	Users		Create v	oice routing te	st case info	ormation					*
×	Topology	ſ									)
Ģ	IM and Presence								Q		
Ŷ	Voice Routing		+ New	🔻 🥖 Edit 🔻	Action	Commit Y	•				0
S	Voice Features		Nam	e		Scope	State	Normaliz	ation rules	Description	
23	Response Groups		e 🕄 G	lobal		Global	Committed	1	1	used to dial to Aparna CUCM	
Ð	Conferencing		<u>33</u> si	ME_172_20_109_	254_DP	User	Committed	1		SME_172_20_109_254_DP	
6	Clients			ME_DialPlan		User	Committed	2		Jse to Dial to SME	
1	External User		3 <b>3</b> U	serDialPlan		User	Committed	6		Dial Plan for CUCM-ExUM10	
E	Access										
	Monitoring and Archiving	•									
9	Security										
œ	Network										
-	Configuration										
			-								

Click on the dial plan "SME\_172\_20\_109\_254\_DP" in the above figure.



Micro	soft Lync Server 2010 C	ntrol Panel	
×	Lync Server 20	Admir	nistrator   Sign out
æ.	Lyric Server 20		4.0.7577.0
	Home	Dial Plan         Voice Policy         Route         PSTN Usage         Trunk Configuration         Test Voice Routing	
33	Users	Create voice routing test case information	*
X	Topology		
Ģ	IM and Presence	Edit Dial Plan - SME_172_20_109_254_DP	
୯	Voice Routing	V OK X Cancel	0
C	Voice Features	Scope: User Name:*	
23	Response Groups	SME_172_20_109_254_DP	
Ð	Conferencing	Simple name:*	
	Clients	SME_172_20_109_254_DP	
許	External User Access	Description:           SME_172_20_109_254_DP	
	Monitoring and Archiving	Dial-in conferencing region:	
	Security	External access prefix:	
9	Network Configuration		
		Associated Normalization Rules	
		New Copy Deste Select / Show details Remove 1     Normalization rule State Pattern to match Translation pattern	
		SME_172_20_109_254_NR Committed ^(\d{7})\$ +1408\$1	
			-

Lync Server normalizes all outbound calls as E.164. This allows uniform routing that scales globally across the Lync Server deployment. Phone numbers are normalized to E.164 by normalization rules in this case the rule "SME\_172\_20\_109\_254\_NR". Normalization rules are added in the Dial Plan tab.

Click on the Normalization Rule "SME\_172\_20\_109\_254\_NR" in the above figure.



🔁 Micro	soft Lync Server 2010 Cont	rol Panel	
	Lync Server 2010		Administrator   Sign out
Ð.	Lync Server 2010		4.0.7577.0
	Home	Dial Plan         Voice Policy         Route         PSTN Usage         Trunk Configuration         Test Voice Routing	
33	Users	Create voice routing test case information	*
24	Topology		
Ģ	IM and Presence	Edit Dial Plan Edit Normalization Rule - SME_172_20_109_254_NR	
C	Voice Routing	✓ OK X Cancel	0
S	Voice Features	Name:*	
22	Response Groups	SME_172_20_109_254_NR	
Ð	Conferencing	Description:	
	Clients	SME_172_20_109_254_NR	
<b>a</b>	External User Access	Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit.	
	Monitoring and Archiving	Starting digits:	
9	Security	Length:	
	Network	Exactly T	
-	Configuration	Digits to remove:	
1		Digits to add:	
2		+1408	
		Pattern to match:*  ^(\d[7])\$	
$\leq$		Translation rule:*	
*		+1408\$1	
		Edit Reset ?	
		Go	*



😽 Micro	soft Lync Server 2010 Co	ntrol Panel	
	Lync Server 20	10	Administrator   Sign out 4.0.7577.0
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration Test Voice Routing	
33	Users	Create voice routing test case information	*
24	Topology		
Ģ	IM and Presence	Edit Voice Policy - SME_172_20_109_254_VP	
ę	Voice Routing	J OK X Cancel	0
C	Voice Features	Scope: User Name:*	
23	Response Groups	SME_172_20_109_254_VP	
Ŗ	Conferencing	Description:	
	Clients	SME_172_20_109_254_VP	
路	External User	▼ Calling Features	
	Access Monitoring	✓ Enable call forwarding ✓ Enable team call	
	and Archiving	Enable delegation     Enable call transfer     Enable call transfer	
	Security	Enable call park     Enable malicious call tracing	
6	Network	✓ Enable simultaneous ringing of phones	
-	Configuration	Associated PSTN Usages	
		New Select / Show details Remove      PSTN usage record Associated routes	
1		SME_172_20_109_254_PSTN SME_172_20_109_254_CR ^\+1408	
2			
$\left\{ -\right\}$			
N			•
2			

PSTN usage is associated on the Voice Policy. Calling features are selected in Voice policy tab. New user policy is created to dial to the SME.



Micros	soft Lync Server 2010 Con	trol Panel	_ 0
Å.	Lync Server 201	0 0	dministrator   Sign out 4.0.7577.0
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration Test Voice Routing	
33	Users	Create voice routing test case information	*
24	Topology		
Ģ	IM and Presence	Edit Voice Route - SME_172_20_109_254_CR	
ę	Voice Routing	V OK Cancel	
S	Voice Features	Name:* SME_172_20_109_254_CR	Â
23	Response Groups	Description:	
Ð	Conferencing	SME_172_20_109_254_CR	
	Clients	Build a Pattern to Match	
4	External User Access	Add the starting digits that you want this route to handle, or create the expression manually by clicking Edit.	
	Monitoring and Archiving	Starting digits for numbers that you want to allow:       Type a valid number and then click Add.   Add	
•	Security	+1408 Exceptions	
<b>2</b>	Network Configuration	Remove	
		Match this pattern:*	
		Edit Reset 3	
		Suppress caller ID Alternate caller ID:	•



#### \_ 🗆 🌄 Microsoft Lync Server 2010 Control Panel Administrator | Sign out Microsoft\* Lync Server 2010 4.0.7577.0 Trunk Configuration Test Voice Routing Dial Plan Voice Policy PSTN Usage 4 Home ♦ Create voice routing test case information Users 33 DAT. Topology IM and Presence Edit Voice Route - SME\_172\_20\_109\_254\_CR ₽ 0 VOK X Cancel Ċ Voice Routing Suppress caller ID Voice Features S Alternate caller ID: 23 Response Groups Ð Conferencing Associated gateways: P Clients PstnGateway:172.20.109.254 Add... Remove External User h Access Monitoring and Archiving Associated PSTN Usages Δ Security Select... Remove 👚 👆 Network Ð Associated voice policies PSTN usage record Configuration SME\_172\_20\_109\_254\_PSTN 3 SME\_172\_20\_109\_254\_VP Translated number to test:

Go



Route to SME is associated with the PSTN gateway(SME in our case) here.

After the trunk is configured, routes can be configured to route CUCM extensions to the trunk to SME. If PSTN connectivity is configured through SME, calls to PSTN from Lync 2010 can be routed to SME through the trunk.

👸 Micro	soft Lync Server 2010	Control Pan	el												_ [	1
2	Lync Server	2010										Adm	ninistrator			
	Lyneberver			_							_	_	-	4.0.75	77.0	
	Home	Dia	al Plan	Voice Policy	Route	PSTN Usage	Trunk	Configuration	Test Vo	pice Routing						
23	Users	0	Create vo	ice routing te	st case inf	formation								*		
24	Topology															
Ţ	IM and Presence		Edit Tru	unk Configur	ration - P	stnGateway:17	2.20.10	9.254								
C	Voice Routing		🗸 c	K 🗙 Cano	cel								(	9		
S	Voice Features		-	: Pool												
22	Response Groups		Pstn	: 5ateway:172.20	.109.254											
Ð	Conferencing			num early dia		orted:										
6	Clients		20													
許	External User		Encry	ption support	level:											
	Access		Opti	onal				•								
	Monitoring and Archiving			nable media b												
A	Security			entralized meentralized meentralized meentralized meentralized meentralized meentralized meentralized meentrali		sing										
6	Network			iated Translat												
*	Configuration			New Cop	oy 📋 Pa	ste 🎦 Select.	🧷 SI	now details	Remove	1						
				Translation r	ule	Stat	te	Pattern to ma	itch	Translation patt	ern					
_				to SME		Con	nmitted	^(\d{7})\$		+1408\$1						-
$\langle \rangle$																
$\geq$																
																-
*																1
7																



# Lync 2010 Server Management Shell Commands

Lync 2010 Server draining mode Stop-CsWindowsService -Graceful rtcmedsrv

Lync2010 - enable music on hold: set-csclientpolicy -EnableClientMusicOnHold \$TRUE

**Some Lync2010 useful commands** Get-CsTrunkConfiguration Set-CsTrunkConfiguration Get-CsMediaConfiguration Set-CsMediaConfiguration



Microsoft Lync 2010 Enterprise Voice Client Configuration

Navigation: Choose Tools  $\rightarrow$  Options and enter the sign-in information.

Microsoft Lync
© - Lync <sup>-</sup> 2010
Sign-in address:
lyncpc1@lync2010rtm.com
Sign in as: 💿 Available 🕶
B3.Office
Copyright © Microsoft. All rights reserved.

# cisco.

eneral	My account								
ersonal	Sign-in address: lyncpc1@lync2010rtm.com Advanced								
udio Device ideo Device	<ul> <li>Automatically start Lync when I log on to Windows</li> <li>Show Lync in foreground when it starts</li> </ul>								
	Personal information manager								
	Microsoft Exchange or Microsoft Outlook								
	✓ Update my presence based on my calendar information								
	$\checkmark$ Show meeting subject and location to contacts in my Workgroup privacy relationship								
	Display my Out of Office information to contacts in my Friends and Family, Workgroup, and Colleagues privacy relationships								
	✓ Save instant message conversations in my email Conversation History folder								
	√ Save call logs in my email Conversation History folder								
	$\fbox$ Save my Lync contacts in my personal contacts folder on the Exchange server								
	Location								
	Share my location information with other programs I use								
	Display photo								
	Show photos of contacts								
	Clear this to turn off photos everywhere in Lync.								
	Activity Feed								
	Show all my updates in Activity Feed								
	To show only your current personal and out-of-office notes, clear this check box.								

Click Advanced button to select the Advanced Connection Settings.





If there are DNS entries for this Microsoft Lync, automatic configuration can be used if not select manual configuration.

After signing add contacts

cisco.


# cisco.

### Personal Options and Audio Settings

Lync - Options	
General	My account
Personal	
Status	
My Picture	Value Automatically start Lync when I log on to Windows
Phones	Show Lync in foreground when it starts
Alerts	Personal information manager
Ringtones and Sounds Audio Device	Microsoft Exchange or Microsoft Outlook
Video Device	✓ Update my presence based on my calendar information
Call Forwarding	Show meeting subject and location to contacts in my Workgroup privacy relationship
File Saving	Display my Out of Office information to contacts in my Friends and Family, Workgroup, and
	Colleagues privacy relationships
	☑ Save instant message conversations in my email Conversation History folder
	V Save call logs in my email Conversation History folder
	✓ Save my Lync contacts in my personal contacts folder on the Exchange server
	Location
	Share my location information with other programs I use
	Display photo
	Show photos of contacts
	Clear this to turn off photos everywhere in Lync.
	Activity Feed
	Show all my updates in Activity Feed
	To show only your current personal and out-of-office notes, clear this check box.
	OK Cancel Help
ync - Options	
ocheidi	dio device
Personal Sel	ect the device you want to use for audio calls: Learn More
Video Device	(Your computer's default setup
Cu	stomize your device
	Speaker Speakers (High Definition Audio Device)
	Microphone Microphone (High Definition Audio Device)
	e An
	Ringer Speakers (High Definition Audio Device)
	e An
	Ringer Speakers (High Definition Audio Device)
	Ringer Speakers (High Definition Audio Device)
	Ringer Speakers (High Definition Audio Device)
Sec	Ringer Speakers (High Definition Audio Device)
	Ringer Speakers (High Definition Audio Device)
	Ringer Speakers (High Definition Audio Device)
	Ringer Speakers (High Definition Audio Device)     Ordary ringer Also ring:
	Ringer Speakers (High Definition Audio Device)     Ordary ringer Also ring:

# cisco.

YNC Dialpad								
🚺 Microsoft Lyn	ic							
What's happening	ng today?			]				
Lync PC1 @ * Busy * Set Your Location *								
	(P)		ŗ	1				
				P				
	1	2 ABC	3 DEF					
	4 GHI	5 JKL	6 MNO					
	7 PQRS	8 TUV	9 wxyz					
	*	0 +	#					
	REDIAL		CALL					
	0000	PIN 🛛 😋 C	heck					
🖫 • 😪 • Ca	all forwarding i	is off						



### Call Forwarding Configurations

Lync - Options	
General Personal Status My Picture Phones Alerts Ringtones and Sounds Audio Device Video Device	Call forwarding       Learn More         Calls will ring you at work and not be forwarded.       Calls will ring you at work and not be forwarded.         Calls will be forwarded immediately and not ring your work number.       Calls will be forwarded immediately and not ring your work number.         Calls will ring you at work and also ring another phone or person.       Calls will ring you at work and also ring another phone or person.
Call Forwarding File Saving	Your current call forwarding settings: Calls will ring you at work +1 (408) 933-3473. Unanswered calls will go to: Lync PC2 in 30 seconds These settings will apply: All of the time
	Edit my team-call group members Edit my delegate members
	OK Cancel Help

All call forward settings are selected in this tab. You can turn on/off the call forwarding settings and also select for phones to simultaneously ring.



Cisco Unified Communications Manager- Session Manager Edition Configurations

UC deployments using Unified CM Session Manager Edition are a variation on the Multi-site Distributed Call Processing deployment model and are typically used where large numbers of UC end systems need to be interconnected via a single UC system - i.e. The Unified CM Session Manager. A deployment using Cisco Unified CM Session Manager Edition is essentially a Unified CM cluster with trunk interfaces only (although IP endpoints are also allowed if required). It allows aggregation of multiple Unified Communications systems, referred to as leaf systems. UC SME is deployed to create and manager centralized dialplan, provide centralized PSTN access, aggregate PBX trunks, interconnect and interoperate across different protocols, load balance inbound and outbound calls.

Note: Cisco Session Manager Edition is set to manage dialplan as a best practice. The Cisco Unified Border Element - Enterprise edition passes all the digits over to the Session Manager Edition and the Session Manager routes the calls to the leaf nodes i.e., Cisco Unified Communications Manager and Microsoft LYNC 2010 Server.

### Cisco Unified Communications Manager-SME Software release



All rights reserved

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-part 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 applicat 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 our Export Compliance Product Report web site.

For information about Cisco Unified Communications Manager please visit our Unified Communications System Documentation web site.

For Cisco Technical Support please visit our Technical Support web site.



Cisco Unified Communications Manager-SME Region Configuration

ahahi	Cisco Unified CM Admin	istration					Navigation Cisco Uni	fied CM Administ	
cisco	For Cisco Unified Communications	Solutions				CCMAdmini	strator Search Docume	entation Abo	
System 👻	Call Routing 👻 Media Resources 👻 Advance	ced Features 👻 Device 👻	Application 👻 User Man	agement 👻 Bul	k Administration 👻 Help 👻				
Region Co	onfiguration						Related Links:	ack To Find/Lis	
Save	🗙 Delete   Reset 🧷 Apply Config	Add New							
- Region 1	Information —								
	egion_SME_G711								
Region I	Relationships								
	Region	Audio Codec I	Preference List	ence List Maximum Audio Bit Rate			Maximum Session Bit Rate	for Video Calls	
	Region SME G711	Custom Co	ec List G711 64 kbps (G.722, G.711)				384		
	Region_SME_G729	Custom Co	dec List G711 64 kbps (G.722, G.711)			384			
NOTE: R	egions not displayed	Use Syst	em Default Use System Default			Use System Default		fault	
- Modify F	Relationship to other Regions								
, including i	Regions		Audio Codec Prefe	rence List	Maximum Audio B	Bit Rate	Maximum Session B	Bit Rate for Video	
			Keep Current Setting	V	Keep Current Setting	~	<ul> <li>Keep Current Setting</li> <li>Use System Default</li> <li>None</li> <li>kbps</li> </ul>		
— <u>Save</u> () *- in	Delete Reset Apply Config	Add New							

Region configurations are used to determine the codecs used by the endpoint within the region and across the region.



Cisco Unified Communications Manager-SME Device Pool Configuration

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Find and List Device Pools										
Add New Est Device Pools										
- Status i 4 records found										
Device Poo	ol (1 - 4 of 4)						Rows	per Pag		
Find Device P	ool where Device Pool Nar	ne	♥ begins with ♥	Find	Clear Filter					
	Name 📥	Cisco U	nified CM Group		Region	Da	ate/Time Group			
	ATT_ASR	Default		ATT ASR		CMLocal		ß		
	Default	Default		Default		<u>CMLocal</u>		6		
	<u>G711-DP</u>	<u>Default</u>		Region SME G711		<u>CMLocal</u>		ß		
	<u>G729-DP</u>	<u>Default</u>		Region SME G729		<u>CMLocal</u>		6		
Add New	Select All Clear All	Delete Selected								



## Cisco Unified Communications Manager-SME Device Pool Configuration-G711-DP

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				,			_	
Device Pool Configuration					_		_	Related Links: Back To Find/List
Save 🗙 Delete 🗋 Copy	Reset	🖉 Apply Config 🕂 Ac	id New					
— Status —								
i Status: Ready								
Device Pool Information Device Pool: G711-DP (4 mem	bers**)							
- Device Pool Settings								
Device Pool Name*		G711-DP						
Cisco Unified Communications Ma	nager Group*	Default		*	-			
Calling Search Space for Auto-re-	gistration	< None >		~				
Adjunct CSS		< None >		*				
Reverted Call Focus Priority		Default		~				
Local Route Group Intercompany Media Services Enr	olled Crown	< None >		~				
Intercompany Media Services En	olled Group	< None >		*				
Roaming Sensitive Settings -								
Date/Time Group*	CMLocal		~					
Region*	Region_SME_(		~					
Media Resource Group List Location	Internal-MRGL	-	*					
Network Locale	< None >		*					
SRST Reference*	< None > Disable		*					
Connection Monitor Duration***	Disable		•	]				
Single Button Barge*	Default		~	]				
Join Across Lines*	Default		· · ·					
Physical Location	< None >		~					
Device Mobility Group	< None >		~					
— Device Mobility Related Info								
Device Mobility Calling Search Sp	ace < None >			~				
AAR Calling Search Space	< None >			~				
AAR Group	< None >			~				
Calling Party Transformation CSS Called Party Transformation CSS				~				
	< None >			v				
— Geolocation Configuration —								
Geolocation < None >		~						
Geolocation Filter < None >		~						
— Call Routing Information —								
-								
Incoming Calling Party Setti If the administrator sets the pr field is empty in which case the	efix to Default		sing will use pre	efix at the next lev	vel setting (DevicePool/Ser	rvice Parameter)	. Otherwise, the value	configured is used as the prefix unle
		-	Clear	Prefix Settings	Default Prefix	Settings		
Number Type		Prefix		Strip Digi	ts		Calling Search S	Space
National Number	Def	ault			< None >			<b>v</b>
International Number	Def	ault			< None >			v
Unknown Number	Def	ault			< None >			<b>v</b>
Subscriber Number		ault			< None >			<b>v</b>



### Incoming Called Party Settings —

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unle field is empty in which case there is no prefix assigned.

	Clear	Prefix Settings	Default Prefix Settings						
Number Type	Prefix	Strip Digits		Calling Search Space					
National Number	Default	0	< None >	×					
International Number	Default	0	< None >	<b>v</b>					
Unknown Number	Default	0	< None >	~					
Subscriber Number	Default	0	< None >	~					
- Phone Settings									
Calling Party Transformation CSS < No.	ne >	•							
Connected Party Settings	None >	<b>v</b>							
Redirecting Party Settings	None >	<b>v</b>							
- Save Delete Copy Reset	Apply Config Add New								
<ul> <li>*- indicates required item.</li> </ul>									
(i) **Number of devices that have to be	reset when this device pool is updated. To se	ee a detailed list of these dev	vices and other dependencies, click	on Dependency Records.					
(i) ***Leave the field blank or enter -1	to use the configuration from the enterprise p	barameter.							
(i) ****These five parameters will over	write device level settings when device is roa	ming and in the same device	mobility group.						

Region is associated with a device pool which is assigned to the endpoint or a trunk.



## Cisco Unified Communications Manager - SME - Device Pool Configuration-G729

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Device Pool Configuration									Related Links: Back To Find/Lis
	0			_	_	_	_		
Save 🗙 Delete 🗋 Copy	Reset	Z Apply Config 🚏 A	dd New						
- Status									
i Status: Ready									
-					1				
<ul> <li>Device Pool Information — Device Pool: G729-DP (4 men</li> </ul>	ibers**)								
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Device Pool Settings     Device Pool Name*									
	*	G729-DP							
Cisco Unified Communications Ma Calling Search Space for Auto-re				¥					
Adjunct CSS	giociación	< None >		*					
Reverted Call Focus Priority		< None > Default		¥					
Local Route Group		< None >		~					
Intercompany Media Services En	rolled Group	< None >		~					
<ul> <li>Roaming Sensitive Settings</li> <li>Date/Time Group*</li> </ul>	Course 1			1					
Region*	CMLocal Region_SME_	6729	*	1					
Media Resource Group List	< None >	0725	· ·						
Location	Hub_None		~						
Network Locale	< None >		~						
SRST Reference*	Disable		~						
Connection Monitor Duration***				]					
Single Button Barge*	Default		*	]					
Join Across Lines*	Default		*						
Physical Location	< None >		~						
Device Mobility Group	< None >		*						
- Device Mobility Related Info									
Device Mobility Calling Search Sp				*					
AAR Calling Search Space	< None >	>		*					
AAR Group	< None >	>		~					
Calling Party Transformation CSS		>		*					
Called Party Transformation CSS	< None >	·		*					
- Geologation Configuration									
Geolocation Configuration – Geolocation < None >		~							
Geolocation Filter < None >		~	ĺ						
- Call Routing Information —									
Incoming Calling Party Set	-								
If the administrator sets the p field is empty in which case th			sing will use pre	fix at the next le	evel setting	(DevicePool/Serv	rice Paramete	er). Otherwise, the value	configured is used as the prefix un
	e te ne prem		Clear	Prefix Settings	•	Default Prefix	Settings		
Number Type		Prefix		Strip Dig				 Calling Search S	pace
National Number	De	fault				< None >			· •
International Number		fault				< None >			*
Unknown Number		fault				< None >			×
Subscriber Number		fault				< None >			· ·



### Incoming Called Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unler field is empty in which case there is no prefix assigned.

		Clear P	refix Settings	Default Prefix Settings	J			
Number Type	Prefix		Strip Digits		Calling Search Space			
National Number	Default		0	< None >	~			
International Number	Default		0	< None >	*			
Unknown Number	Default		0	< None >	*			
Subscriber Number	Default		0	< None >	~			
Phone Settings     Inbound Call Settings     Calling Party Transformation CSS < None >								
Connected Party Settings	None >		¥					
Redirecting Party Settings	Redirecting Party Settings Redirecting Party Transformation CSS < None >							
- Save Delete Copy Reset	Apply Config Add New -							
<u> </u>								

(i) \*- indicates required item.

👔 \*\*Number of devices that have to be reset when this device pool is updated. To see a detailed list of these devices and other dependencies, click on Dependency Records.

(i) \*\*\*Leave the field blank or enter -1 to use the configuration from the enterprise parameter.

(i) \*\*\*\*These five parameters will overwrite device level settings when device is roaming and in the same device mobility group.



# Cisco Unified Communications Manager-SME Media Termination Point Configuration

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Find and L	ist Media Termination	Points										
🕂 Add Ne	ew 🔛 Select All 🔛 C	lear All 🙀 Delete Selected	Preset Selected 🖉	Apply Config to Selected								
Status –	Status 2 records found											
Media T	ermination Point (1 -	2 of 2)						Rows per Pag				
Find Media	Termination Point where	Name 💌 begins wi	h 💌	Find Clear Filter 🕂								
	_	Name 着		Description	Device Pool	Status	IP	Address Co				
		MTP_2	MTP_CI	JCM-SME-Telugu	G711-DP	Registered with CM-Telugu	172.20.109.2	254 Not Allowed				
	Time mtp00233356420 mtp Default Unknown Unknown 🕅											
Add Nev	w Select All Clear	All Delete Selected	Reset Selected	Apply Config to Selected								

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Media Termination Point Configuration	n	Related Links: Back To Find/List
🔚 Save   Paset 🥖 Apply Config		
- Status		
i Status: Ready		
— Media Termination Point Information	n	
Registration Registere	d with Cisco Unified Communications Manager CM-Telugu	
IP Address 172.20.10	19.254	
IPv6 Address 0000:000	0:0000:0000:0000:0000:0000	
Media Termination Point Type* Cisco Med	Jia Termination Point Software	
Host Server* CM-Telug	u	
Media Termination Point Name* MTP_2		
	CM-SME-Telugu	
Device Pool* G711-DP	, v	
Trusted Relay Point		
— Save Reset Apply Config —		
(i) *- indicates required item.		



# Cisco Unified Communications Manager-SME Transcoder Configuration

	ed CM Administration				Nav	vigation Cisco Unified CM A	Administra
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Find and List Transcoders							
Add New Select All	Clear All 💥 Delete Selected	🧷 Apply Confi	ig to Selected				
Status i records found							
Transcoder (1 - 1 of 1)						Rows	per Page
Find Transcoder where Name	Segins with Segins	d Clear Filte	* 🕂 🗕				
Г	Name Descrip	otion	Device Pool		Status	IP Address	
I MTP	mtp0123456789ab XCODE-ExtGW		Default	Registered with CM-	Telugu	172.20.109.201	
Add New Select All	Clear All Delete Selected Reset Selected	Apply	Config to Selected				
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Transcoder Configuration					F	Related Links: Back To F	ind/List
🔚 Save 🗶 Delete 🗋 C	Copy 🎦 Reset 🧷 Apply Config 🕂 Add New						
Transcoder Information -							
Transcoder: mtp0123456							
Registration Registered wit IP Address 172.20.109.20	th Cisco Unified Communications Manager CM-Telugu D1						
IPv6 Address 0000:0000:00	000:0000:0000:0000:0000						
– IOS Transcoder Info ––––							
Transcoder Type* Description	Cisco IOS Enhanced Media Termination Point	-					
Device Name*	XCODE-ExtGW						
Device Pool*	mtp0123456789ab	Nieus Betelle					
Common Device Configuration		<ul> <li><u>View Details</u></li> <li><u>View Details</u></li> </ul>					
Special Load Information	< None >		to use default				
Trusted Relay Point							
- Save Delete Copy	Reset Apply Config Add New						
(i) *- indicates required item	n.						



Cisco Unified Communications Manager-SME Media Resource Groups configuration

	d CM Administration				Navigation Cisco Unified CM Administr
	Communications Solutions				tor Search Documentation Abou
System	esources 🔻 Advanced Features 👻 Devic	e ▼ Application ▼ User Management	→ Bulk Administration     →	Help 👻	
Find and List Media Resource					
Add New Select All	Clear All 🔆 Delete Selected				
— Status ————					
7 records found					
Media Resource Group (1 -	- 7 of 7)				Rows per Pag
Find Media Resource Group when		Find Clear Fil	ter 🕀 😑		·····
Г	Name <sup>▲</sup>		Description		Multi-cast
Conf MRG				fals	• B
Ext_MRG	_			fals	• 1
LYNC-MRG				fals	• B
MRG IOS GV		MRG for IOS GW CFB		fals	-
SIP TRUNK N	MRG			fals	
SME-MRG		OW and UNLINTS		fals	_
SoftwareMTP		SW and HW MTP		fals	
Add New Select All Cle	ear All Delete Selected				
					n i i cine unified ou administ
01500	d CM Administration				Navigation Cisco Unified CM Administ
For Cisco Unified	Communications Solutions			CCMAdministr	ator Search Documentation Abou
System - Call Routing - Media R	esources - Advanced Features - Devic	e 👻 Application 👻 User Management	■ Bulk Administration     ■	Help 👻	
Media Resource Group Config	uration				Related Links: Back To Find/List
🔚 Save 🗶 Delete 🛅 Copy	y 🔂 Add New				
Chabura					
Status Paadu					
(1) Status: Ready					
– Media Resource Group Statu	15				
Media Resource Group: LYNC-MR	lG (used by 1 devices)				
– Media Resource Group Infor	mation				
Name* LYNC-MRG					
Description					
Devices for this Group					
Available Media Resources**	NN_2 FB_2	^			
M	OH_2 b001122334455				
	b00233335da20	¥			
	<b>VA</b>				
Selected Media Resources* M	TP_2 (MTP)				
Use Multi-cast for MOH Audio	(If at least one multi-cast MOH resource	is available)			
— Save Delete Copy A	Add New				



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System 👻	Call Routing 👻	Media Resources	Advanced F	Features 👻	Device 👻	Application -	User Management 👻	Bulk Administration 👻	Help 👻	Centralinitistrator	
Media Res	source Grou	p Configuratio	ı								Related Links: Back To Find/List
Save	X Delete	🗋 Сору 🕂	Add New								
Status -	s: Ready										
	esource Gro ource Group:	up Status	G (used by O de	vices)							
	esource Gro	up Informatior	·								
Name*	SIP_TRUNK	_MRG									
Descriptio	n										
	for this Gro										
	Media Resourc										
Selected N	Media Resourc	MOH_2 (I cfb00233									
Use Mu	ulti-cast for MC	OH Audio (If at le	ast one multi-ca	ast MOH res	source is a	vailable)					
- Save	Delete C	opy Add Nev									
(i) *- in	dicates requir	ed item.									
(i) **In	cludes Annun	ciators (ANN), C	onference Bridge	es (CFB), M	ledia Term	ination Points	(MTP), Music On Hold	d Servers (MOH) and	Transcoders (	(XCODE)	



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Media Res	source Group	o Configuration							Related Links: Back To Find/List
Save	X Delete	🗋 Сору 🕂 А	dd New						
— Status –									
i Statu	is: Ready								
	esource Group:	up Status SME-MRG (used b	v 3 devices)						
			, , , , , , , , , , , , , , , , , , , ,						
- Media R Name*		up Information -		7					
	SME-MRG								
Descriptio	n								
— Devices	for this Grou	ID							
	Media Resourc								
			~~						
Selected N	Media Resource	MOH_2 (MC MTP_2 (MT mtp002333	N) N)						
Use Mu	ulti-cast for MC	)H Audio (If at lea	st one multi-cast MOH re	esource is available)					
- Save	Delete Co	opy Add New	) ———						
ĕ	dicates require								
(i) **In	ncludes Annund	ciators (ANN), Cor	ference Bridges (CFB),	Media Termination Poin	ts (MTP), Music On Hol	d Servers (MOH) and T	Franscoders ()	KCODE)	



Cisco Unified Communications Manager-SME Media Resource Group Lists configuration

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Find and List Media Resource Group Lists			
Add New 🔛 Select All 🔛 Clear All 💥 Delete Selected			
⊂ Status			
j 7 records found			
Media Resource Group List (1 - 7 of 7)		Row	s per Pag
Find Media Resource Group List where Name begins with 💌 🛛 Find Clear Filter 🖶 🚍			
∏ Name ▲		c	ору
		6	
Ext MRGL		ß	
Internal-MRGL		6	
Lync-MRGL     MRGL IOS GW CFB		6 6	
		ŭ ŭ	
SoftwareMGL		6	
Add New Select All Clear All Delete Selected			
aluda Cisco Unified CM Administration	Navi	gation Cisco Unified CM	Administra
alulu Cisco Unified CM Administration			
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For cisco official continuincations solutions			
System   Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help		Search Documentation	
System   Call Routing  Media Resource Group List Configuration  Media Resource Group List Configuration  Save  Call Copy  Add New			
System  Call Routing  Media Resources Advanced Features Device Application User Management Bulk Administration Help Media Resource Group List Configuration			
System   Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help  Media Resource Group List Configuration  Save  Copy  Add New  Status  Status  Status  Ready			
System   Call Routing   Media Resource Group List Configuration  Save  Call Copy  Add New  Status			
System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help  Media Resource Group List Configuration Status Status: Ready Media Resource Group List Status Media Resource Group List Internal-MRGL (used by 3 devices)			
System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help  Media Resource Group List Configuration  Status  Status: Ready  Media Resource Group List Status			
System  Call Routing  Media Resource Group List Status Media Resource Group List Status Media Resource Group List Status Media Resource Group List Information			
System  Call Routing Media Resource Group List Status Media Resource Group List Status Media Resource Group List Status Media Resource Group List Internal-MRGL (used by 3 devices)  Media Resource Group List Information Name* Internal-MRGL  Media Resource Group Sor this List Available Media Resource Group Sor this List  Media Resource Group Sor this List  Available Media Resource Group Sor this List  Available Media Resource Group Sor this List  Media Resource Group Sor this List  Available Media Resource Group Sor this List			
System < Call Routing < Media Resources < Advanced Features < Device < Application < User Management < Bulk Administration < Help			
System ◆ Call Routing ◆ Media Resources ◆ Advanced Features ◆ Device ◆ Application ◆ User Management ◆ Bulk Administration ◆ Help ◆         Media Resource Group List Configuration         Image: Status         Image: Status         Image: Status         Image: Status         Image: Status         Image: Status         Media Resource Group List Status         Media Resource Group List Status         Media Resource Group List Information         Name*         Internal-MRGL         Available Media Resource Groups for this List         Available Media Resource Groups         Status         Image: Status         Image: Status         Media Resource Groups for this List         Available Media Resource Groups         Status         Status         Image: Status         Image: Status         Image: Status         Media Resource Groups for this List         Available Media Resource Groups         Status         Image: Status         Image: Status         Media Resource Groups         Status         Image: Status         Image: Status         Image: Status         Image: Status			
System < Call Routing < Media Resources < Advanced Features < Device < Application < User Management < Bulk Administration < Help			
System   Call Routing   Media Resource Group List Configuration  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Information  Name* Internal-MRGL  Media Resource Group Soft this List  Available Media Resource Groups  Conf_MRG Ext_MRG  LivNC-MRG MRG_IOS_GW_CFB SIP_TRUNK_MRG  V			
System   Call Routing   Media Resource Group List Configuration  Status  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Information  Media Resource Group List Information  Name* Internal-MRGL   Media Resource Group Status  Media Resource Group Status  Media Resource Group List Information  Name* Internal-MRGL    Media Resource Group Status   Media Resource Group Status  Media Resource Group Status  Media Resource Group List Information  Name* Internal-MRGL			
System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help   Media Resource Group List Configuration  Status  Status  Redia Resource Group List Status  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Information Name* Internal-MRGL  Media Resource Groups for this List  Available Media Resource Groups  Status  Conf_MRG  Ext_MRG  Status  Selected Media Resource Groups  SME-MRG  MEG  SME-MRG  MEG  MEG  MEG  MEG  MEG  MEG  MEG			
System   Call Routing   Media Resource Group List Configuration  Status  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Information  Media Resource Group List Information  Name* Internal-MRGL   Media Resource Group Status  Media Resource Group Status  Media Resource Group List Information  Name* Internal-MRGL    Media Resource Group Status   Media Resource Group Status  Media Resource Group Status  Media Resource Group List Information  Name* Internal-MRGL			



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Media Resource Group List Configuration	Related Links: Back To Find/List
🔚 Save 🗙 Delete 🗋 Copy 🕂 Add New	
Status	
— Media Resource Group List Status —	
Media Resource Group List: Lync-MRGL (used by 1 devices)	
Media Resource Group List Information	
Name* Lync-MRGL	
r Media Resource Groups for this List	
Available Media Resource Groups Conf_MRG Ext_MRG	
MRG IOS_GW_CFB SIP_TRUNK_MRG	
SME-MRG	
Selected Media Resource Groups LYNC-MRG	
- Save Delete Copy Add New -	
(i) *- indicates required item.	
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Cisco       For Cisco Unified Communications Solutions         System          Call Routing         Call Routing         Media Resources         Advanced Features         Device         Application         User Management         Bulk Administration         Help         Media Resource Group List Configuration         Save         Delete         Copy         Copy         Add New	CCMAdministrator   Search Documentation   About
Cisco For Cisco Unified Communications Solutions System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help  Media Resource Group List Configuration  Status  Status: Ready  Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List Status	CCMAdministrator   Search Documentation   About
cisco       For Cisco Unified Communications Solutions         System <ul> <li>Call Routing             <ul> <li>Media Resources</li> <li>Advanced Features                 <ul> <li>Device                     <ul></ul></li></ul></li></ul></li></ul>	CCMAdministrator   Search Documentation   About
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Cisco       For Cisco Unified Communications Solutions         System          Call Routing         Media Resources         Advanced Features         Device         Application         User Management         Bulk Administration         Help         Media Resource Group List Configuration         Save         Device         Copy         Add New         Status         Copy         Status: Ready         Media Resource Group List Status         Media Resource Group List Status         Media Resource Group List: SoftwareMGL (used by 7 devices)	CCMAdministrator   Search Documentation   About
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Cisco       For Cisco Unified Communications Solutions         System ◆ Call Routing ◆ Media Resources ◆ Advanced Features ◆ Device ◆ Application ◆ User Management ◆ Bulk Administration ◆ Help ◆         Media Resource Group List Configuration	CCMAdministrator   Search Documentation   About
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Cisco Por Cisco Unified Communications Solutions  System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help   Media Resource Group List Configuration  Status  Status  Conf_Media Resource Group List Status  Media Resource Group List Status  Media Resource Group List SoftwareMGL  Media Resource Group List Information Name* SoftwareMGL  Media Resource Groups for this List  Available Media Resource Groups for this List  Media Resource Groups for this List  Available Media Resource Groups  Conf_MRG  Ext_MRG  LYNC-MRG  MRG_IOS,GW_CFB  SIP_TRUNK_MRG	CCMAdministrator   Search Documentation   About
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Cisco Por Cisco Unified Communications Solutions  System  Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help   Media Resource Group List Configuration  Status  Status: Ready  Media Resource Group List Status Media Resource Group List Status Media Resource Group List SoftwareMGL (used by 7 devices)  Media Resource Group List Information Name* SoftwareMGL  Media Resource Groups for this List  Available Media Resource Groups  Available Media Resour	CCMAdministrator   Search Documentation   About
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Cisco Unified Communications Solutions  System  Call Routing Call Routing Call Routing Call Routing Call Resource Group List Configuration  Call Resource Group List Configuration  Copy Call Copy	CCMAdministrator   Search Documentation   About
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LYNC will need a separate MRGL to force MTP based early offer from the SME. MRGL to be associated with SIP trunks except LYNC trunk MRGL to be associated with SIP trunk connecting Microsoft LYNC 2010 server



# Cisco Unified Communications Manager-SME Route Patterns

cisc		CM Administration			Navigation Cisco Ur	ified CM Administr
cise	For Cisco Unified Cor	nmunications Solutions			CCMAdministrator Search Docum	entation Abou
stem	✓ Call Routing      ✓ Media Resource	urces - Advanced Features - Device - Applicati	on 👻 User Management 👻 Bulk Admir	nistration 👻 Help 👻		
nd ar	nd List Route Patterns					
<u>م</u> ک	Id New Select All					
<b>-</b> ~~						
Statu	s					
18	8 records found					
_						
Route	e Patterns (1 - 18 of 18)					Rows per Pa
Find Ro	oute Patterns where Pattern	💌 begins with 💌	Find Clear Filter	-		
Π	Pattern <sup>▲</sup>	Description	Partition	Route Filter	Associated Device	
	<u>101X</u>				SME-SIP-trunk-to-CUCM-172-20-85-110	
	<u>11XX</u>				S2/SU0/DS1-0@router	
	<u>1300X</u>				SME-SIP-trunk-to-CUCM-172-20-85-110	
	1408XXXXXXX				SIP-trunk-to-from-SP-viaCUBE	
	14XXXXXXXXXX	Outbound calls to ATT PSTN			CUCM TO ASR-172-20-110-154	
	1510123500X				OCS SIP trk-172-20-155-50	
	<u>1XXX</u>				CUCM-RE-SIP-Trunk-192-168-71-40	
	<u>21XXX</u>				CUCM-RE-SIP-Trunk-192-168-71-40	
	<u>4014</u>				SME SIP TRUNK G711-172-20-109-252	
	<u>5000</u>	Route Pattern to ExUM 2010 Voicemail			ExUM2010-SIP-trunk-172-20-117-220	
	<u>6000</u>	Route Pattern to ExUM 2010 Auto Attendant			ExUM2010-SIP-trunk-172-20-117-220	
	<u>70XX</u>				SIEMENS HIPATH SIP TK-172-20-188-13	
	<u>710X</u>				SIP TRUNK TO OITT-172-20-109-54	
	<u>72XX</u>	For SME 9.0 test case 14.3			SME-SIP-trunk-to-CUCM-172-20-85-110	
	<u>9.011!</u>				SIP-trunk-to-from-SP-viaCUBE	
	<u>9.@</u>				SIP-trunk-to-from-SP-viaCUBE	
	<u>\+1408333451X</u>				SME-SIP-trunk-to-CUCM-172-20-85-110	
	\+1415XXXXXXXX				SIP-TK-to-Msft-LYNC-172-20-117-152	



### Route Pattern to Service Provider

alada	CM Administration					Navigation Cisco Unified CM Administrat
For Cisco Unified C	Communications Solutions					CCMAdministrator Search Documentation About
System - Call Routing - Media Res	sources • Advanced Features •	Device - Application -	User Management 👻	Bulk Administration 🔻	Help 👻	
Route Pattern Configuration	]					Related Links: Back To Find/L
🔚 Save 🗶 Delete 🗋 Copy	Add New					
- Status						
Status Status: Ready						
Pattern Definition						
Route Pattern*	1408XXXXXXX					
Route Partition	< None >		~			
Description						
Numbering Plan	Not Selected		~			
Route Filter	< None >		~			
MLPP Precedence*	Default		~			
Apply Call Blocking Percentage	e					
Resource Priority Namespace Netv	work Domain < None >		~			
Route Class*	Default		~			
Gateway/Route List*	SIP-trunk-to-from	-SP-viaCUBE	✓ ( <u>Edit</u> )			
Route Option	<ul> <li>Route this patt</li> </ul>	ern				
	O Block this patte	n No Error	*			
Call Classification* OffNe	et	~				
Allow Device Override 🗹 Prov	vide Outside Dial Tone 🗌 Allow	Overlap Sending 🔲 Urger	nt Priority			
Require Forced Authorization C	Code					
Authorization Level*						
Require Client Matter Code						



ababa	Cisco U	nified CM Administration						Nav	rigation Cisco Unified CM	Administra
cisco	For Cisco U	Inified Communications Solutions						CCMAdministrator	Search Documentation	About
System 👻	Call Routing 👻	Media Resources 👻 Advanced Features 👻	Device 👻	Application 👻	User Management 👻	Bulk Administration 👻	Help 👻			
Route Pat	ttern Configu	ration							Related Links: Back	To Find/۱ (
Save		Copy 🕂 Add New								
	e chene hatter									
Calling	Party Transfo	rmations								
		xternal Phone Number Mask								
Calling Pa	rty Transform I	Mask 4082733984								
Prefix Dig	its (Outgoing C	alls)								
Calling Lir	ne ID Presentat	ion* Default		~						
Calling Na	ame Presentatio	n* Default		~						
Calling Pa	irty Number Typ	pe* Cisco CallManager		~						
Calling Pa	irty Numbering	Plan* Cisco CallManager		~						
	ted Party Trai									
	d Line ID Prese			*						
Connecter	d Name Preseni	tation* Default		*						
— Called B	arty Transfo	mations								
Discard D		< None >		~						
Called Pa	rty Transform N	1ask								
Prefix Dig	its (Outgoing C	alls)								
Called Par	rty Number Typ	e* Cisco CallManager		~						
Called Par	rty Numbering I	Plan* Cisco CallManager		~						
	twork-Specif	ic Facilities Information Element —								
	Service Protoco			*						
Carrier Id	lentification Cod	de								
Network S	Service	Service Paramet	er Name		Service	e Parameter Value				
Not Se	elected	Not Exist >								
- Save	Delete Co	py Add New								

(i) \*- indicates required item.



Route Pattern to the Microsoft LYNC 2010 server

ahaha Cisco Unifie	ed CM Adn	ninistration							Na	vigation Cisco	Unified CM A	dministr
CISCO For Cisco Unified	Communicati	ons Solutions							CCMAdministrator	Search Doc	umentation	Abou
System 👻 Call Routing 👻 Media R	Resources 👻 Ad	dvanced Features 👻	Device 👻	Application -	• User Manag	gement 👻	Bulk Administration $~$	Help 👻				
Route Pattern Configuration										Related L	inks: Back	To Find
Save 🗶 Delete 🗋 Cop	py 🕂 Add Nev	w										
- Status												
i Status: Ready												
Pattern Definition												
Route Pattern*	[	\+1415XXXXXXX										
Route Partition		< None >			~							
Description												
Numbering Plan		Not Selected			~							
Route Filter		< None >			~							
MLPP Precedence*		Default			~							
Apply Call Blocking Percenta	ige											
Resource Priority Namespace Ne	etwork Domain	< None >			*							
Route Class*		Default			~							
Gateway/Route List*		SIP-TK-to-Msft-LYN	IC-172-20-	-117-152	~	(Edit)						
Route Option		Route this patter	rn									
		O Block this patte	m No Erro	or	*							
Call Classification*	Net			~								
Allow Device Override	rovide Outside D	Dial Tone 🔲 Allow C	verlap Se	nding 🔲 Urge	ent Priority							
Require Forced Authorization	n Code											
Authorization Level*												
Require Client Matter Code												



ababa	Cisco Un	ified CM	Administration	1					Na	vigation Cisco Unified CM A	dministrati
cisco	For Cisco Un	ified Commu	nications Solutions						CCMAdministrator	Search Documentation	About
System 👻	Call Routing 👻 🛽	ledia Resources	✓ Advanced Features ▼	Device 👻	Application 👻	User Management 👻	Bulk Administration 👻	Help 👻			
Route Pat	ttern Configura	tion								Related Links: Back	To Find/Li
Save		) Copy 🕂 A	Add New								
— Calling	Party Transfor	nations ——									
Use C	alling Party's Exte	rnal Phone Nu	mber Mask								
Calling Pa	arty Transform Ma	isk									
Prefix Dig	gits (Outgoing Cal	s)									
Calling Lir	ne ID Presentatio	Default			~						
Calling Na	ame Presentation	* Default			*						
Calling Pa	arty Number Type	* Cisco Cal	llManager		~						
Calling Pa	arty Numbering Pl	an* Cisco Cal	llManager		~						
	ted Party Trans										
	d Line ID Present				*						
Connecte	d Name Presenta	ion* Default	t		~						
— Called P	Party Transforn	ations									
Discard D		< None >			~						
Called Pa	rty Transform Ma	sk									
Prefix Dig	gits (Outgoing Cal	s)									
Called Pa	rty Number Type	* Cisco Call	Manager		~						
Called Pa	rty Numbering Pla		-		~						
	etwork-Specific Service Protocol		formation Element —								
		Not Selecte	ed		*						
	dentification Code										
Network S			Service Parame	ter Name		Servic	e Parameter Value				
Not Se	elected		< Not Exist >								
- Save	Delete Copy	Add New	۲								
Jave	Cobi										
(i) *- ir	ndicates required	item.									



# Route Pattern to the Cisco Unified Communications Manager 8.5 (Leaf node)

Cisco Unified CM Adm					Navigation Cisc		
For cisco onnieu communicatio	ons solutions			CCMAdminis	trator Search Do	ocumentation	About
System - Call Routing - Media Resources - Ad	dvanced Features - Device - Application -	<ul> <li>User Manag</li> </ul>	ement  Bulk Administration	Help 🔻			
Route Pattern Configuration					Related	Links: Back	To Find/
🔚 Save 🗶 Delete 🗋 Copy 🕂 Add New	v						
Status Status: Ready							
Pattern Definition							
Route Pattern*	\+1408333451X						
Route Partition	< None >	*					
Description							
Numbering Plan	Not Selected	~					
Route Filter	< None >	~					
MLPP Precedence*	Default	~					
Apply Call Blocking Percentage							
Resource Priority Namespace Network Domain	< None >	~					
Route Class*	Default	~					
Gateway/Route List*	SME-SIP-trunk-to-CUCM-172-20-85-110	~	( <u>Edit</u> )				
Route Option	<ul> <li>Route this pattern</li> </ul>						
	O Block this pattern No Error	~					
Call Classification* OffNet	~						
Allow Device Override V Provide Outside Di	ial Tone 🗌 Allow Overlap Sending 🔲 Urge	ent Priority					
Require Forced Authorization Code							
Authorization Level*							
Require Client Matter Code							



	ified CM Administ	ration					Na	vigation Cisco Unified CM A	Administratic
CISCO For Cisco Un	ified Communications Solu	tions					CCMAdministrator	Search Documentation	About
System 👻 Call Routing 👻 🕅	ledia Resources 👻 Advanced Fe	eatures 👻 Device 👻	Application $\bullet$	User Management 👻	Bulk Administration 👻	Help 👻			
Route Pattern Configura	tion							Related Links: Back	To Find/Lis
🔲 Save 🗶 Delete 📑	Copy 🟳 Add New								
Calling Party Transform	actions -								
Use Calling Party's Exte									
Calling Party Transform Ma									
Prefix Digits (Outgoing Call	s)								
Calling Line ID Presentation	* Default		~						
Calling Name Presentation			~						
Calling Party Number Type	* Cisco CallManager		*						
Calling Party Numbering Pl	an* Cisco CallManager		~						
Commente di Donto Tuono	6								
Connected Party Trans Connected Line ID Present			*						
Connected Name Presental			~						
Called Party Transform	ations								
Discard Digits	< None >		~						
Called Party Transform Ma	sk								
Prefix Digits (Outgoing Call	s)								
Called Party Number Type			*						
Called Party Numbering Pla	n* Cisco CallManager		*						
	For the state of t								
Network Service Protocol	Facilities Information Elected	ment	~						
Carrier Identification Code			_						
Network Service	Service	Parameter Name		Service	e Parameter Value				
Not Selected	💙 < Not	Exist >							
- Save Delete Copy	Add New								
(i) *- indicates required	item.								
			×			× .			1 mart 1 mart 1



### International Route Pattern

ahaha Cisco Unified CM Ad	ministration				Navigation Cisco Unified CM Administra
CISCO For Cisco Unified Communica	tions Solutions				CCMAdministrator Search Documentation About
System 👻 Call Routing 👻 Media Resources 👻	Advanced Features 👻 Device 👻 Ap	pplication 👻 User Mana	gement 👻 Bulk Administration 👻	Help 👻	
Route Pattern Configuration					Related Links: Back To Find/
Save 🗙 Delete 🗋 Copy 🕂 Add 1	lew				
r Status					
i Status: Ready					
Pattern Definition					
Route Pattern*	9.011!				
Route Partition	< None >	~			
Description					
Numbering Plan	Not Selected	~			
Route Filter	< None >	~			
MLPP Precedence*	Default	~			
Apply Call Blocking Percentage					
Resource Priority Namespace Network Domai	n < None >	~			
Route Class*	Default	*			
Gateway/Route List*	SIP-trunk-to-from-SP-viaCUBE	~	(Edit)		
Route Option	<ul> <li>Route this pattern</li> </ul>	_			
	O Block this pattern No Error	~			
Call Classification* OffNet		*			
Allow Device Override 🗹 Provide Outside	Dial Tone 🗌 Allow Overlap Sendin	ng 🗌 Urgent Priority			
Require Forced Authorization Code					
Authorization Level*					
Require Client Matter Code					



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Route Pattern Configuration							Related Links: Back	: To Find/Lis
🔚 Save 🗶 Delete 📔 Ci	opy 📮 Add New							
Require Client Matter Code								
Calling Party Transformat	ions —							
Use Calling Party's Externa								
Calling Party Transform Mask								
Prefix Digits (Outgoing Calls)								
Calling Line ID Presentation*	Default	~						
Calling Name Presentation*	Default	~						
Calling Party Number Type*	Cisco CallManager	*						
Calling Party Numbering Plan*	Cisco CallManager	*						
Connected Party Transform								
Connected Party Transform		~						
Connected Name Presentation		~						
Called Party Transformati								
Discard Digits	PreDot	*						
Called Party Transform Mask								
Prefix Digits (Outgoing Calls)								
Called Party Number Type*	Cisco CallManager	~						
Called Party Numbering Plan*	Cisco CallManager	~						
- ISDN Network-Specific Fa	cilities Information Element							
	Not Selected	*						
Carrier Identification Code								
Network Service	Service Parameter Name		Servi	ce Parameter Value				
Not Selected	Not Exist >							
- Save Delete Copy	Add New							
(i) *- indicates required item	1.							
•								



### SIP Route Pattern \*

		· · · · · · · · · · · · · · · · · · ·			
01000	O Unified CM Administration			Navigation Cisco Unifi	
System 👻 Call Routing	g 👻 Media Resources 👻 Advanced Features 👻	Device - Application - User Management -			
Find and List SIP R	loute Patterns				
Add New	Select All 🔛 Clear All 🙀 Delete Selected				
- Status					
1 records found	l .				
SIP Route Patter	n <i>(1 - 1 of 1)</i>				Rows per Page
Find SIP Route Patte	rn where IPv4 Pattern 💙 begins with 💙	Find Clear Filter			
	Pattern *	IPv6 Pattern	Description	Route Partition	C
	ic2010rtm.com				D.
Add New Sele	ct All Clear All Delete Selected				

սիսիս	Cisco l	Unified (	CM Admir	nistration						Navi	gation Cisco Unified CM	Administ
cisco	For Cisco	Unified Cor	nmunications	Solutions						CCMAdministrator	Search Documentation	Abou
System 👻	Call Routing 👻	Media Reso	urces 👻 Advar	nced Features 👻	Device 🔻	Application $\bullet$	User Management 👻	Bulk Administration $\bullet$	Help 👻			
SIP Route	e Pattern Co	nfiguration									Related Links: Back	c To Finc
Save	X Delete	Copy C	Add New									
Status -	us: Ready											
	Definition —											
Pattern Us IPv4 Patte	*	<u>Domain Routi</u> lync2010rtm.	-			1						
IPv6 Patte		iynczoforum.	com			]						
Descriptio												
Route Par		< None >			v							
			sft-LYNC-172-2	0-117-152	v v							
Block	· .	31F-110-04	311-2110-172-2	0-117-132								
- Calling	Party Transf	ormations										
_	alling Party's E											
Calling Pa	arty Transform	ation Mask										
Prefix Dig	gits (Outgoing	Calls)										
Calling Lir	ne ID Presenta	ation*	Default			~						
Calling Lir	ne Name Prese	entation*	Default			*						
- Connect	ted Party Tra	ansformatio	ons									
	d Line ID Pres		Default			~						
Connected	d Line Name P	resentation*	Default			~						
- Save	Delete C	Copy Add	New									
(i) *- in	ndicates requir	red item.										

\*This SIP route pattern is needed for the calls originating from CUCM and destined to the Lync via CUCM-SME using URI dialing and not the normal E.164 number dialing



# Cisco Unified Communications Manager-SME Route list for PSTN (CUBE) access

ahaha	Cisco Unified CM Ad	ministration					Nav	vigation Cisco Ur	nified CM Administra
cisco	For Cisco Unified Communicat						CCMAdministrator		
System 👻	Call Routing 👻 Media Resources 👻 🖌	Advanced Features 👻 Device	- Application	🗸 User Management 🖣	Bulk Administration 👻	Help 👻			
Find and	List Route Lists								
	lew Eselect All Clear All	Delete Selected 🏻 🍟 Res	et Selected 🛛 🧷	Apply Config to Selected					
Status -									
(i) 1 red	cords found								
Route L	ist (1 - 1 of 1)								Rows per Pag
Find Route	e List where Name 🗸 begins v	with 🗸	Find C	Clear Filter 🛛 💠 🗣					
					_	Descriptio	2		Enabled
	PSTN-Access-RL	Name <sup>▲</sup>				Descriptio		true	chabled
Add Ne	-	Delete Selected Rese	et Selected	Apply Config to	Selected				
Add Ne				Apply Coning to	Selected				
								Cinco Un	ified on Administra
cisco	Cisco Unified CM Adu For Cisco Unified Communicat								ified CM Administra
			Anningtion	line Mercenet	Dulla A desisistentian	liele	CCMAdministrator	Search Docum	entation About
System 👻	Call Routing - Media Resources - A	Advanced Features   Device	<ul> <li>Application</li> </ul>	✓ User Management ▼		нер 👻		_	
Route Lis	t Configuration						R	elated Links:	Back To Find/List
Save	🗙 Delete 📋 Copy 🎦 Reset	🖉 Apply Config 🕂 Ad	d New						
— Status -									
i Statu	is: Ready								
- Poute Li	ist Information —								
Registrati	on	Unknown							
IP Addres	s e is trusted	Unknown							
Name*		PSTN-Access-RL							
Descriptio	n								
Cisco Unif	ied Communications Manager Group	* Default		~					
🗹 Enable	this Route List (change effective on	Save; no reset required)							
Run O	n All Active Unified CM Nodes								
— Route Li	ist Member Information ———								
Selected (	Groups**								
			Add	d Route Group					
	**								
Removed	Groups***								
- Save	Delete Copy Reset App	ly Config Add New							
(i) *- ir	dicates required item.								
×	rdered by highest priority								
ž	Will be removed from Route List when	n you dick Sayo							
	win be removed nom Route List whe	n you click save							



Cisco Unified Communications Manager-SME Route Group for PSTN Trunk Access

nhuh. Cisco Unified CM Administration	Navigation Cisco Unified CM Administrat
CISCO For Cisco Unified Communications Solutions	CCMAdministrator Search Documentation About
System 👻 Call Routing 👻 Media Resources 👻 Advanced Features 👻 Device 👻 Application 👻 User Management 👻 Bulk Administration 👻 Help 👻	
Find and List Route Groups	
rt → Add New 🔛 Select All 🔛 Clear All 🙀 Delete Selected	
— Status —	
1 records found	
Route Group (1 - 1 of 1)	Rows per Page
Find Route Group where Route Group Name begins with 💌 🛛 🕅 🛛 Clear Filter 🔂 📼	
Name *	
C PSTN-Access-RG	
Add New Select All Clear All Delete Selected	
uhuhu Cisco Unified CM Administration	Navigation Cisco Unified CM Administratio
CISCO For Cisco Unified Communications Solutions	CCMAdministrator Search Documentation About
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Route Group Configuration	Related Links: Back To Find/List
Save 🗶 Delete 🕂 Add New	
T Status	
(j) Status: Ready	
Route Group Information	
Route Group Name* PSTN-Access-RG	
Distribution Algorithm* Circular	
r Route Group Member Information	
Find Devices to Add to Route Group	
Device Name contains Find	
Available Devices** CUBE-MS-SIP-Trunk-172-20-109-250 IOS_GW_FAX-172-20-109-201	
103_5W_FAX-1/2-20-109-201	
Port(s) None Available	
Add to Route Group	
Current Route Group Members	
Selected Devices (ordered by priority)* IOS_GW_FAX-172-20-109-201 (All Ports)	
Reverse Order of Selected De	vices
Removed Devices***	
Route Group Members	
10 GW FAX-172-20-109-201	
- Save Delete Add New	
- Save Delete Add New	



# Cisco Unified Communications Manager-SME SIP Trunk Configuration

infinition and a second s	Inified CM Administrati	on					N	avigation	Cisco Unit	fied CM Administ
CISCO For Cisco	Unified Communications Solutions					CCMAd	lministrator	Searc	ch Docume	entation Abo
vstem 👻 Call Routing 👻	Media Resources 👻 Advanced Features	🔹 Device 👻 Application 👻 Use	er Management 👻	Bulk Adminis	tration 👻 Help 👻					
nd and List Trunks										
	ct All 📃 Clear All 🙀 Delete Selected	Reset Selected		_				_	_	
Status										
1) 20 records found										
Trunks (1 - 20 of 2	20)									Rows per Pag
			Clean Filter		 ו					tons per rug
ind Trunks where Devi	ce Name 💌 begins with	Select item or enter search t			J					
			Calling	Device			Route		Trunk	SIP Trunk
	Name <sup>▲</sup>	Description	Search Space	Pool	Route Pattern	Partition	Group	Priority	Туре	Prof
- 🛎	CUBE-MS-SIP-Trunk-172-20- 109-250	to MS CUBE		<u>Default</u>					SIP Trunk	Non Secure : Profile
SIP	CUCM-RE-SIP-Trunk-192-168- 71-40	to RE CUCM		<u>Default</u>	<u>21XXX</u>				SIP Trunk	Non Secure : Profile
- #	CUCM-RE-SIP-Trunk-192-168- 71-40	to RE CUCM		Default	<u>1XXX</u>				SIP Trunk	Non Secure Profile
	CUCM TO ASR-172-20-110-154	SIP TRUNK TO ASR		ATT ASR	14XXXXXXXXXX				SIP	Non Secure Profile
- 4	ExUM2010-SIP-trunk-172-20-	SIP Trunk to ExUM 2010		<u>Default</u>	5000				SIP	Non Secure
	<u>117-220</u> ExUM2010-SIP-trunk-172-20-	Server SIP Trunk to ExUM 2010		Default	<u>6000</u>				Trunk SIP	Profile for Ex Non Secure
	<u>117-220</u> IOS GW FAX-172-20-109-201	Server To IOS GW for Fax		Default			PSTN-	1	Trunk SIP	Profile for Ex Non Secure
	OCS SIP trk-172-20-155-50	SIP trunk to OCS Mediation		Default	1510123500X		Access-RG		Trunk SIP	Profile Non Secure
- <u>SIP</u>	SIEMENS HIPATH SIP TK-172-	Server SIP trunk to Siemens HiPath		Default	70XX				Trunk SIP	Profile Non Secure
	20-188-13 SIP-TK-to-Msft-LYNC-172-20-	4000 Rel 5 SIP-TK-to-Msft-LYNC-		G711-DP	\+1415XXXXXXX				Trunk	Profile for Si Non Secure
	<u>117-152</u>	EOwithPRACKsup SIP-TK-to-Msft-LYNC-							Trunk	Profile Non Secure 3
	SIP-TK-to-Msft-LYNC-172-20- 117-152	EOwithPRACKsup		<u>G711-DP</u>	lync2010rtm.com				Trunk	Profile
	<u>SIP-trunk-to-from-SP-viaCUBE</u>	SIP-TK-to-from-SP-viaCUBE- 172-20-110-152		<u>G711-DP</u>	<u>9.011!</u>				SIP Trunk	<u>Non Secure :</u> Profile
i i i i i i i i i i i i i i i i i i i	<u>SIP-trunk-to-from-SP-viaCUBE</u>	SIP-TK-to-from-SP-viaCUBE- 172-20-110-152		<u>G711-DP</u>	1408XXXXXXX				SIP Trunk	<u>Non Secure :</u> Profile
	SIP-trunk-to-from-SP-viaCUBE	SIP-TK-to-from-SP-viaCUBE- 172-20-110-152		<u>G711-DP</u>	<u>9.@</u>				SIP Trunk	Non Secure : Profile
	SIP_TRUNK_TO_OITT-172-20- 109-54	SIP trunk to OITT		<u>Default</u>	<u>710X</u>				SIP Trunk	Non Secure : Profile
- SIP	SME-SIP-trunk-to-CUCM-172-20-	SME SIP Trunk-to-CUCM-		<u>G711-DP</u>	72XX				SIP	Non Secure S
	85-110	StrdSIP-with-no-PRACK							Trunk	Profile
	SME-SIP-trunk-to-CUCM-172-20- 85-110	SME SIP Trunk-to-CUCM- StrdSIP-with-no-PRACK		<u>G711-DP</u>	<u>101X</u>				SIP Trunk	Non Secure S Profile
	<u>SME-SIP-trunk-to-CUCM-172-20-</u> <u>85-110</u>	SME SIP Trunk-to-CUCM- StrdSIP-with-no-PRACK		<u>G711-DP</u>	<u>\+1408333451X</u>				SIP Trunk	<u>Non Secure S</u> <u>Profile</u>
i i i i i i i i i i i i i i i i i i i	SME-SIP-trunk-to-CUCM-172-20- 85-110	SME SIP Trunk-to-CUCM- StrdSIP-with-no-PRACK		<u>G711-DP</u>	<u>1300X</u>				SIP Trunk	Non Secure S Profile
- #	SME SIP TRUNK G711-172-20-	SIP TRUNK TO SME OVER G711-StrdSIPprofile		<u>Default</u>	<u>4014</u>				SIP Trunk	Non Secure S



## Cisco Unified Communications Manager-SME SIP trunk to Service Provider via ASR CUBE

SIP-trunk-to-from-SP-viaCUBE SIP-TK-to-from-SP-viaCUBE- 172-20-110-152	G711-DP 1408XXXXXXX	SIP <u>Non Secure SIP Trunk</u> Trunk <u>Profile</u>
		Navigation Cisco Unified CM Administrati
Cisco Unified CM Administration		
For cisco onneu communications solutions		CCMAdministrator Search Documentation About
System   Call Routing   Media Resources   Advanced Features   Device	Application    User Management    Bulk Administration    He	elp 🔻
Trunk Configuration		Related Links: Back To Find/List
🔚 Save 🗶 Delete 省 Reset 🔓 Add New		
Status i Status: Ready		
- Device Information		
Product: Device Protocol:	SIP Trunk SIP	
Trunk Service Type	None(Default)	
Device Name*	SIP-trunk-to-from-SP-viaCUBE	
Description	SIP-TK-to-from-SP-viaCUBE-172-20-110-152	
Device Pool*	G711-DP 🗸	
Common Device Configuration	< None >	
Call Classification*	Use System Default	
Media Resource Group List	Internal-MRGL	
Location*	Hub_None	
AAR Group	< None >	
Tunneled Protocol*	None	
QSIG Variant*	No Changes	
ASN.1 ROSE OID Encoding*	No Changes	
Packet Capture Mode*	None	
Packet Capture Duration	0	
Media Termination Point Required		
Retry Video Call as Audio		
Path Replacement Support		
Transmit UTF-8 for Calling Party Name		
Transmit UTF-8 Names in QSIG APDU		
Unattended Port		
SRTP Allowed - When this flag is checked, Encrypted TLS needs to be cor	figured in the network to provide end to end security. Failur	re to do so will expose keys and other information.
Consider Traffic on This Trunk Secure*	When using both sRTP and TLS	

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Route Class Signaling Enabled*				Default				v			
Use Trusted Relay Point*				Default				¥			
PSTN Access											
Run On All Active Unified CM N	ladas										
C Ran on All Active onlined Cirin	loues										
- Intercompany Media Engine (	(IME) —										
E.164 Transformation Profile < No	one >			*							
- Multilevel Precedence and Pr	eemption	(MLPP) Info									
MLPP Domain < None >			*								
- Call Routing Information ——											
Remote-Party-Id											
Asserted-Identity											
Asserted-Type* PAI			~								
SIP Privacy* Default			·								
Derdar											
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									
the field is empty in which case			ianed			xt level settin					
the field is empty in which cas	se there is	no prefix ass	igned.	Clear Pre	fix Settin			fix Settings		-,	
the field is empty in which cas Number Type	se there is	no prefix ass Prefix	igned.	Clear Pre Strip Digits			Default Pre				Use Device Pool CSS
	Default		igned.		fix Settin		Default Pre	fix Settings			Use Device Pool CSS
Number Type			igned.		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings -	Default	Prefix	igned.		fix Setting	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number	Default	Prefix	igned.		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings -	Default	Prefix	]		fix Setting	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio	Default	Prefix	]		fix Setting	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Outbound Calls	Default in CSS < N Party Tran	Prefix	]		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio V Use Device Pool Connected	Default in CSS < N Party Tran	Prefix	]		fix Setting	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party	Default In CSS < M Party Tran	Prefix None > sformation C < None > ation CSS	]		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Outbound Calls Called Party Transformation CSS	Default In CSS < M Party Tran	Prefix None > sformation C < None >	]		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CS Use Device Pool Calling Party	Default In CSS < 1 Party Tran 5 ( Transform 5 ( y Transform	Prefix Vone > sformation C  None > ation CSS  None > nation CSS	]		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings – Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS IV Use Device Pool Called Party Calling Party Transformation CS IV Use Device Pool Called Party Calling Party Selection*	Default In CSS < 1 Party Tran 5 ( Transform 5 ( y Transform	Prefix Ione > Sformation C Ione > ation CSS < None >	]		fix Settin	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings – Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party Calling Party Transformation CS V Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation*	Default In CSS < 1 Party Tran S [ Transform S [ y Transform y Transform	Prefix Vone > sformation C  None > ation CSS  None > nation CSS	]		fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings – Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party Calling Party Transformation CS V Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation*	Default In CSS < N Party Tran S [ r Transform S [ y Transform [ [	Prefix Ione > sformation C Ione > ation CSS < None > nation CSS Originator	]		fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings – Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party Calling Party Transformation CS V Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation*	Default In CSS < N Party Tran S ( Transform S ( y Transform	Prefix Vone > sformation C  < None > ation CSS  None > nation CSS Originator Default Default	]	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings – Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party Calling Party Transformation CS V Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation*	Default In CSS < t Party Tran S [ Transform S [ y Transform ( o Format*	Prefix Ione > sformation C Ione > ation CSS < None > ation CSS Originator Default Default Deliver DN (0)	] :ss	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio IV Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CS Use Device Pool Calling Party Calling Party Selection* Calling Ine ID Presentation* Calling Use Presentation* Calling Name Presentation*	Default In CSS < N Party Tran S ( y Transform S ( v Transform S ( v Transform S ( v Transform S ( v Transform) S (	Prefix Ione > sformation C Ione > ation CSS < None > ation CSS Originator Default Default Deliver DN (0)	] :ss	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Use Device Pool Connected Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CS Use Device Pool Calling Party Calling Party Selection* Calling Ine ID Presentation* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	Default In CSS < N Party Tran S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( S ( Transform S ( S ( S ( S ( S ( S ( S ( S (	Prefix Vone > sformation C  Softmation CSS Ation CSS Ation CSS Originator Default Default Default Default Default Default Default Default Cutbound < None >	SS	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
Number Type         Incoming Number         Connected Party Settings -         Connected Party Transformatio         Image: Connected Party Transformation         Image: Connected Party Transformation         Outbound Calls         Called Party Transformation CSS         Use Device Pool Called Party         Calling Party Transformation CSS         Use Device Pool Calling Party         Calling Party Selection*         Calling Line ID Presentation*         Calling Name Presentation*         Calling and Connected Party Info         Redirecting Diversion Header         Redirecting Party Transformation         Use Device Pool Redirecting I	Default In CSS < N Party Tran S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( Transform S ( S ( Transform S ( S ( S ( S ( S ( S ( S ( S (	Prefix Vone > sformation C  Softmation CSS Ation CSS Ation CSS Originator Default Default Default Default Default Default Default Default Cutbound < None >	SS	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS
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Number Type Incoming Number Connected Party Settings - Connected Party Transformatio Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Infe Redirecting Diversion Header Redirecting Party Transformation Use Device Pool Redirecting I Use Device Pool Redirecting I Caller Information	Default	Prefix	SS SS SS	Strip Digits	fix Setting < No	gs	Default Pre	fix Settings	ce		Use Device Pool CSS

# cisco.

- SIP Information					
Destination					
Destination Address is an SRV					
Destination Address		Destination Address	IPv6	Destination Port	
1* 172.20.110.152				5060	
MTP Preferred Originating Codec*	711ulaw		~		
BLF Presence Group*	Standard Pres	sence group	*		
SIP Trunk Security Profile*	Non Secure S	IP 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*	RFC 2833		*		
Normalization Script					
Normalization Script < None >		~			
Enable Trace					
Parameter Name		Parameter Value			
1		r drameter raide		•	
Geolocation Configuration Geolocation < None >		~			
Geolocation Filter < None >		×			
Send Geolocation Information					
- Save Delete Reset Add New	h				
- Save Delete Reset Add New					
(i) *- indicates required item.					
-					
(i) **- Device reset is not required for a	changes to Pac	ket Capture Mode and Packet Cap	ture Duratio	n.	



Cisco Unified Communications Manager-SME SIP trunk to Cisco Unified Communications Manager

	IE SIP Trunk-to-CUCM- rdSIP-with-no-PRACK	<u>G711-DP</u>	<u>\+140833345</u>	SIP <u>Non Secure SI</u> Trunk <u>Profile</u>
Cisco Unified CM Administration	on			Navigation Cisco Unified CM Administrat
System - Call Routing - Media Resources - Advanced Features	▼ Device ▼ Application ▼ User N	lanagement 👻 Bulk Admini	stration 👻 Help	
Trunk Configuration				Related Links: Back To Find/List
Save 🗶 Delete 🎱 Reset 🗗 Add New			_	
Status: Ready				
Device Information				
Product: Device Protocol: Trunk Service Type Device Name* Description Device Pool* Common Device Configuration Call Classification* Media Resource Group List Location* AAR Group Tunneled Protocol*	G711-DP < None > Use System Default Internal-MRGL Hub_None < None >	UCM-StrdSIP-with-no-PR	× × ×	
OSIG Variant*	None No Changes		~	
ASN.1 ROSE OID Encoding*	No Changes		~	
Packet Capture Mode*	None		~	
Packet Capture Duration	0			
Media Termination Point Required				
Retry Video Call as Audio				
Path Replacement Support				
Transmit UTF-8 for Calling Party Name				
Transmit UTF-8 Names in QSIG APDU				
Unattended Port				
SRTP Allowed - When this flag is checked, Encrypted TLS ne Consider Traffic on This Trunk Secure*	eds to be configured in the network When using both sR		ecurity. Failure	to do so will expose keys and other information.

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Route Class Signaling Enabled*		Default		~			
Use Trusted Relay Point*		Default		~	1		
PSTN Access					-		
Run On All Active Unified CM Nodes							
— Intercompany Media Engine (IME) —							
E.164 Transformation Profile < None >		~					
- Multilevel Presedence and Preempti	on (MLDD) Information						
Multilevel Precedence and Preemptic	on (MLPP) Information						
Call Routing Information							
Remote-Party-Id							
Asserted-Identity							
Asserted-Type* PAI	<b>v</b>						
SIP Privacy* Default	*						
Inbound Calls							
Significant Digits* All		*					
Connected Line ID Presentation* Default	t	~					
Connected Name Presentation* Default		~					
Calling Search Space < None	e >	~					
AAR Calling Search Space < None	e >	~					
Prefix DN							
Redirecting Diversion Header Delivery	v - Inbound						
- Incoming Calling Party Settings -							
I sea a star a star e sea							
		ing will use prefix at	the next level s	etting (DevicePool/Se	rvice Parameter). O	therwise, the value configur	ed is used as the prefix unles
the field is empty in which case there i						therwise, the value configur	ed is used as the prefix unles
the field is empty in which case there i	is no prefix assigned.	Clear Prefix		Default Prefix	Settings	therwise, the value configur	
the field is empty in which case there i	is no prefix assigned. Prefix		Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
the field is empty in which case there i	is no prefix assigned. Prefix	Clear Prefix		Default Prefix	Settings	therwise, the value configur	
the field is empty in which case there i Number Type Incoming Number Default	is no prefix assigned. Prefix	Clear Prefix	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type Incoming Number Default Connected Party Settings	Prefix assigned.	Clear Prefix Strip Digits	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS	s no prefix	Clear Prefix	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type Incoming Number Default Connected Party Settings	s no prefix	Clear Prefix Strip Digits	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS          Use Device Pool Connected Party Transformation	s no prefix	Clear Prefix Strip Digits	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         Øuse Device Pool Connected Party Transformation         Outbound Calls	refix      refix      c      c      None >      ansformation CSS	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         ✓         Use Device Pool Connected Party Transformation CSS         Outbound Calls         Called Party Transformation CSS	<pre>s no prefix  Prefix  </pre>	Clear Prefix Strip Digits	Settings	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         V Use Device Pool Connected Party Transformation CSS         Called Party Transformation CSS         V Use Device Pool Called Party Transformation CSS	s no prefix    Prefix	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         ✓ Use Device Pool Connected Party Transformation CSS         ✓ Use Device Pool Called Party Transformation CSS         ✓ Use Device Pool Called Party Transformation CSS         ✓ Use Device Pool Called Party Transformation CSS	<pre>is no prefix assigned.  Prefix  c None &gt;  c None &gt;  c None &gt;  mation CSS  &lt; None &gt; </pre>	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         ✓ Use Device Pool Connected Party Transformation CSS         ✓ Use Device Pool Called Party Transformation CSS         ✓ Use Device Pool Calling Party Transformation CSS         ✓ Use Device Pool Calling Party Transformation CSS	s no prefix    Prefix	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
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Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         Image: Use Device Pool Connected Party Transformation CSS         Outbound Calls         Called Party Transformation CSS         Use Device Pool Called Party Transfor         Calling Party Transformation CSS         Use Device Pool Calling Party Transfor         Calling Party Selection*         Calling Name Presentation*         Calling and Connected Party Info Formati         Image: Redirecting Diversion Header Delivery         Redirecting Party Transformation CSS	s no prefix assigned.	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
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Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         Image: Use Device Pool Connected Party Transformation CSS         Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Calling Party Transformation CSS         Image: Use Device Pool Calling Party Transfor Calling Party Selection*         Calling Ine ID Presentation*         Calling and Connected Party Info Formation         Redirecting Party Transformation CSS         Image: Use Device Pool Redirecting Party Transformation CSS         Image: Caller Information         Caller ID DN	s no prefix assigned.	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         V Use Device Pool Connected Party Transformation CSS         Outbound Calls         Called Party Transformation CSS         V Use Device Pool Called Party Transfor         Calling Party Transformation CSS         V Use Device Pool Calling Party Transfor         Calling Party Selection*         Calling Ine ID Presentation*         Calling and Connected Party Info Formation         Calling Party Transformation CSS         V Use Device Pool Redirecting Party Transfor         Calling Name Presentation*         Calling and Connected Party Info Formation         Caller Information CSS         V Use Device Pool Redirecting Party Transformation CSS         V Use Device Pool Redirecting Party Transformation         Caller Information         Caller Information         Caller In D N         Caller Name	is no prefix assigned.	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS
Number Type         Incoming Number         Default         Connected Party Settings         Connected Party Transformation CSS         Image: Use Device Pool Connected Party Transformation CSS         Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Calling Party Transformation CSS         Image: Use Device Pool Calling Party Transfor Calling Party Selection*         Calling Ine ID Presentation*         Calling and Connected Party Info Formation         Redirecting Party Transformation CSS         Image: Use Device Pool Redirecting Party Transformation CSS         Image: Caller Information         Caller ID DN	is no prefix assigned.	Clear Prefix Strip Digits	Settings )	Default Prefix	Settings g Search Space	therwise, the value configur	Use Device Pool CSS

# cisco.

- SIP Information					
Destination					
Destination Address is an SRV					
Destination Address		Destination Addre	ss IPv6	Destination Port	
1* 172.20.85.110				5060	
MTP Preferred Originating Codec*	711ulaw		~		
BLF 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*	RFC 2833		~		
- Normalization Script					
Normalization Script < None >					
Parameter Name Parameter Value					
- Geolocation Configuration					
Geolocation Comparation Good State Comparation					
Geolocation Filter < None >					
Send Geolocation Information					
- 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.					


Cisco Unified Communications Manager-SME SIP trunk to Microsoft Lync 2010 Server Standard Edition

412 B	<u>SIP-TK-to-Msft-LYN</u> <u>117-152</u>	IC-172-20-	SIP-TK-to-Msft EOwithPRACKs			<u>G711-DP</u>	<u>\+1415X</u>	XXXXXX		SIP Trunk	<u>Non Secure S</u> <u>Profile</u>
	sco Unified CM									Navigation Cisco Un	
System - Call F	louting - Media Resources	- Advanced Feat	turee - Device -	Application -	lleer Management -	Bulk Admir	nietration 🛥	Help 👻	CCHAdministrato	r Search Docum	entation About
System + Carr	incula resources	Advanced Fea		Application +	oser management •	Duik Admir	nation +	Theip +		_	
Trunk Configu	ration									Related Links:	Back To Find/List
Save 🗙	Delete 🎦 Reset 🛟 .	Add New									
Status —											
i Status: Re	ady										
Device Infor     Product:	mation			SIP Trunk							
Device Protocol	:			SIP							
Trunk Service 1	уре			None(Default	)						
Device Name*				SIP-TK-to-Ms	ft-LYNC-172-20-11	7-152					
Description				SIP-TK-to-Ms	ft-LYNC-EOwithPRA	CKsup					
Device Pool*				G711-DP			*				
Common Devic	e Configuration			< None >			~				
Call Classificati	on*			Use System	Default		~				
Media Resource	Group List			Lync-MRGL			*				
Location*				Hub_None			*				
AAR Group				< None >			*				
Tunneled Proto	col*			None			*				
QSIG Variant*				No Changes			~				
ASN.1 ROSE OF	D Encoding*			No Changes			~				
Packet Capture	Mode*			None			*				
Packet Capture	Duration			0							
Media Term	ination Point Required										
Retry Video	Call as Audio										
Path Replac	ement Support										
Transmit UT	F-8 for Calling Party Name										
	F-8 Names in QSIG APDU										
Unattended	-										
_	ed - When this flag is check		S needs to be co	ofigured in the	etwork to provide a	end to end a	ecurity Fa	ilure to do a	so will expose keys and	other information	
	on This Trunk Secure*	tee, enerypted h			both sRTP and TLS	ing to ond a	v		22 millionpool noya una		

		Default	~		
Use Trusted Relay Point*		Default	▼		
PSTN Access					
Run On All Active Unified CM No	odes				
- Intercompany Media Engine ( - 5 164 Transformation Profile					
E.164 Transformation Profile < No	ne >	*			
Multilevel Precedence and Pre	emption (MLPP) Informatio	on ————			
MLPP Domain < None >		*			
Call Routing Information ——					
Remote-Party-Id					
Asserted-Identity					
Asserted-Type* PAI		*			
SIP Privacy* Default		*			
- 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				
Incoming Calling Party Setti	nas				
	efix to Default this indicates ca	Il processing will use prefix a	t the next level setting (DevicePool/Serv	ice Parameter). Otherwise, th	e value configured is used as the prefix unles
If the administrator sets the pr the field is empty in which case	efix to Default this indicates ca				e value configured is used as the prefix unles
the field is empty in which case	efix to Default this indicates ca there is no prefix assigned.	Clear Prefix	Settings Default Prefix Settings	ettings	
the field is empty in which case	efix to Default this indicates ca there is no prefix assigned. Prefix		Settings Default Prefix St	ettings Search Space	Use Device Pool CSS
the field is empty in which case	efix to Default this indicates ca there is no prefix assigned.	Clear Prefix	Settings Default Prefix Settings	ettings	
the field is empty in which case           Number Type           Incoming Number	efix to Default this indicates ca there is no prefix assigned. Prefix	Clear Prefix	Settings Default Prefix St	ettings Search Space	Use Device Pool CSS
Number Type Incoming Number Connected Party Settings	efix to Default this indicates ca there is no prefix assigned. Prefix Default	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case     Number Type     Incoming Number     Connected Party Settings —     Connected Party Transformation	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None >	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
Number Type Incoming Number Connected Party Settings	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None >	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case Number Type Incoming Number Connected Party Settings Connected Party Transformation Use Device Pool Connected P	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None >	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
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the field is empty in which case Number Type Incoming Number Connected Party Settings Connected Party Transformation Use Device Pool Connected P Outbound Calls Called Party Transformation CSS	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > arty Transformation CSS < None >	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case         Number Type         Incoming Number         Connected Party Settings —         Connected Party Transformation         Use Device Pool Connected P         Outbound Calls —	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (arty Transformation CSS) (arty CSS)	Clear Prefix Strip Digits	Settings Default Prefix So Calling So < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case         Number Type         Incoming Number         Connected Party Settings         Connected Party Transformation         Image: Use Device Pool Connected Party         Called Party Transformation CSS         Image: Use Device Pool Called Party         Calling Party Transformation CSS	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > arty Transformation CSS < None > Transformation CSS < None >	Clear Prefix Strip Digits	Settings Default Prefix So Calling So < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case         Number Type         Incoming Number         Connected Party Settings         Connected Party Transformation         Image: Use Device Pool Connected Party         Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Called Party Transformation CSS         Image: Use Device Pool Calling Party Transformation CSS         Image: Use Device Pool Calling Party	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS ( None > Transformation CSS ( None > Transformation CSS	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case         Number Type         Incoming Number         Connected Party Settings         Connected Party Transformation         Image: Use Device Pool Connected Party         Called Party Transformation CSS         Image: Use Device Pool Called Party         Calling Party Transformation CSS	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case           Number Type           Incoming Number           Connected Party Settings           Connected Party Transformation           Image: Use Device Pool Connected Party           Called Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Calling Party           Calling Party Transformation CSS           Use Device Pool Calling Party           Calling Party Selection*	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (ante > Transformation CSS (ante > Transformation CSS (ante > CSS) (b) (c) (c) (c) (c) (c) (c) (c) (c	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case           Number Type           Incoming Number           Connected Party Settings           Connected Party Transformation           Image: Use Device Pool Connected Party           Called Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Calling Party           Calling Party Selection*           Calling Line ID Presentation*	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > tarty Transformation CSS < None > Transformation CSS < None > Transformation CSS Originator Default Default Default	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case Number Type Incoming Number Connected Party Settings Connected Party Transformation Use Device Pool Connected P Outbound Calls Called Party Transformation CSS Use Device Pool Called Party T Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator Default Default Default Format* Deliver URI and DN internation CN (Conternation CN) (Conternation CSS) (Conternation CSS) (Cont	Clear Prefix Strip Digits	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case           Number Type           Incoming Number           Connected Party Settings           Connected Party Transformation           Image: Use Device Pool Connected Party           Called Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Called Party T           Calling Party Transformation CSS           Use Device Pool Calling Party           Calling Party Selection*           Calling Line ID Presentation*           Calling Name Presentation*	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator Default	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case           Number Type           Incoming Number           Connected Party Settings           Connected Party Transformation           Image: Setting Set	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator Default Default Default Default Default Default Default (None > (SS) (None > (SS) (None > (SS)	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
the field is empty in which case Number Type Incoming Number Connected Party Settings Connected Party Transformation Use Device Pool Connected P Outbound Calls Called Party Transformation CSS Use Device Pool Called Party T Calling Party Transformation CSS Use Device Pool Calling Party Calling Ine ID Presentation* Calling Name Presentation* Calling and Connected Party Info Redirecting Party Transformation Use Device Pool Redirecting Party Use Device Pool Redirecting Party Calling Party Transformation	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator Default Default Default Default Default Default Default (None > (SS) (None > (SS) (None > (SS)	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
Number Type         Incoming Number         Connected Party Settings         Connected Party Transformation         Image: Setting Sett	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (arty Transformation CSS (None > Transformation CSS (None > Transformation CSS (Originator Default Default Default Default Default Default Default (None > (SS) (None > (SS) (None > (SS)	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS
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Number Type         Incoming Number         Connected Party Settings         Connected Party Transformation         Image: Setting Sett	efix to Default this indicates ca there is no prefix assigned. Prefix Default CSS < None > (< None > (< None > Transformation CSS (< None > Transformation CSS () Originator Default Default Default Default Default Default Default Default Default Default Default Default Default Default CSS < None > () Non	Clear Prefix	Settings Default Prefix So Calling : < None >	ettings Search Space	Use Device Pool CSS

- SIP Information						
Destination						
Destination Address is an SRV						
Destination Address		Destination Address IPv6		Destination Port		
1* 172.20.117.152				5068	Ŀ	
MTP Preferred Originating Codec*	711ulaw	~				
BLF Presence Group*	Standard Pres	ence group 🗸				
SIP Trunk Security Profile*	Non Secure SI	P Trunk Profile 🗸 🗸 🗸				
Rerouting Calling Search Space	< None >	~				
Out-Of-Dialog Refer Calling Search Space	< None >	*				
SUBSCRIBE Calling Search Space	< None >	~				
SIP Profile*	EO SIP Profile	with no PRACK 🗸				
DTMF Signaling Method*	RFC 2833	~				
Normalization Script						
Normalization Script Remove_TIAS_Frie	ndly Patch	~				
Enable Trace						
Parameter Name		Parameter Value				
1						
Geolocation Configuration						
Geolocation < None >		~				
Geolocation Filter < None >		~				
Send Geolocation Information						
- Save Delete Reset Add New	] ———					
<ul> <li>*- indicates required item.</li> </ul>						
(i) **- Device reset is not required for a	hanges to Pack	et Capture Mode and Packet Capture D	uration.			

Cisco Unified Communications Manager-SME SIP trunk to Microsoft Lync 2010 Server Standard Edition  $\rightarrow$ This SIP trunk will be used when the call is made from the endpoint behind CUCM using URI dialing.

-							
1.2	<u>P</u>	SIP-TK-to-Msft-LYNC-172-20-	SIP-TK-to-Msft-LYNC-	G711-DP	lync2010rtm.com	SIP	Non Secure SIP
	<b>•</b>	117-152	EOwithPRACKsup			Trunk	Profile
			Lonin to terteap				<u></u>

ahaha	Cisco Unified CM Administration			Na	vigation Cisco Unified CM Administra
cisco	For Cisco Unified Communications Solutions			CCMAdministrator	Search Documentation About
System 👻	Call Routing  Media Resources  Advanced Features  Device	✓ Application ✓ User Management ✓ Bulk Adm	inistration 🔻 Help 👻	Centralininistrator	
				_	_
Trunk Cor	figuration				Related Links: Back To Find/List
Save	🗙 Delete   Paset 🕂 Add New				
— Status –					
	s: Ready				
— Device I	nformation				
Product:		SIP Trunk			
Device Pro		SIP			
Trunk Ser Device Na		None(Default)			
		SIP-TK-to-Msft-LYNC-172-20-117-152			
Description		SIP-TK-to-Msft-LYNC-EOwithPRACKsup			
Device Po		G711-DP	*		
	Device Configuration	< None >	*		
Call Class	fication *	Use System Default	*		
	ource Group List	Lync-MRGL	*		
Location*		Hub_None	~		
AAR Group	2	< None >	*		
Tunneled I	Protocol*	None	*		
QSIG Vari	ant*	No Changes	~		
ASN.1 ROS	SE OID Encoding*	No Changes	~		
Packet Ca	pture Mode*	None	*		
Packet Ca	pture Duration	0			
Media *	Termination Point Required	L			
Retry \	/ideo Call as Audio				
	eplacement Support				
	nit UTF-8 for Calling Party Name				
	nit UTF-8 Names in QSIG APDU				
Unatte	•				
					1 1 A A
	Illowed - When this flag is checked, Encrypted TLS needs to be Traffic on This Trunk Secure*			o so will expose keys and ot	ther information.
Consider	rame on this trunk secure "	When using both sRTP and TLS	*		

Route Class Signaling Enabled*			Default			~			
Use Trusted Relay Point*			Default			•			
PSTN Access									
Run On All Active Unified CM N	lodes								
- Intercompany Media Engine (									
E.164 Transformation Profile < No	one >		~						
– Multilevel Precedence and Pr	eemption (MLPP) Inf	ormation —							
MLPP Domain < None >		~							
- Call Routing Information									
Remote-Party-Id									
Asserted-Identity Asserted-Type* PAI									
SIP Privacy* Default		*							
Derault		•							
Inbound Calls									
Significant Digits*	All		~						
Connected Line ID Presentation* Connected Name Presentation*			*						
Calling Search Space	Default		*						
AAR Calling Search Space	< None >		×						
Prefix DN	< None >		<b>•</b>						
Redirecting Diversion Header	Delivery - Inbound								
Turnersing Calling Dauby Call									
Incoming Calling Party Set     If the administrator sets the n		icates call proce	essing will use prefix	at the next level	setting (DevicePool/	Service Paramete	r). Otherwise, tl	ne value configur	ed is used as the prefix up
Incoming Calling Party Set If the administrator sets the p the field is empty in which cas	refix to Default this ind		essing will use prefix	at the next level	setting (DevicePool/	Service Paramete	r). Otherwise, tl	ne value configur	ed is used as the prefix unl
If the administrator sets the p	refix to Default this ind			at the next level	setting (DevicePool/ Default Pref		r). Otherwise, tl ]	ne value configur	ed is used as the prefix unl
If the administrator sets the p	refix to Default this ind				Default Pref		r). Otherwise, tl ]	ne value configur	ed is used as the prefix unl Use Device Pool CSS
If the administrator sets the p the field is empty in which cas	refix to Default this indi se there is no prefix ass		Clear Pre		Default Pref	ix Settings	r). Otherwise, tl ]	ne value configur	
If the administrator sets the p the field is empty in which cas Number Type	refix to Default this indi te there is no prefix ass <b>Prefix</b>		Clear Pre	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number	refix to Default this ind e there is no prefix ass <b>Prefix</b> Default		Clear Pre	fix Settings < None >	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio	refix to Default this indi e there is no prefix ass <b>Prefix</b> Default n CSS < None >	igned.	Clear Pre	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number	refix to Default this indi e there is no prefix ass <b>Prefix</b> Default n CSS < None >	igned.	Clear Pre	fix Settings < None >	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio	refix to Default this indi e there is no prefix ass <b>Prefix</b> Default n CSS < None >	igned.	Clear Pre	fix Settings < None >	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
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If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation C Transformation CSS	igned.	Clear Pre	fix Settings < None >	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
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If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio I Use Device Pool Connected Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default Default Default	ISS	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio I Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default CSS < None >	igned.	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio I Use Device Pool Connected Use Device Pool Connected Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default CSS < None >	igned.	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio ✓ Use Device Pool Connected Use Device Pool Connected ✓ Use Device Pool Called Party Calling Party Transformation CSS ✓ Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Info ✓ Redirecting Diversion Header Redirecting Party Transformation ✓ Use Device Pool Redirecting F Calling Party Transformation	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default CSS < None >	igned.	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio ✓ Use Device Pool Connected Outbound Calls Called Party Transformation CSS ✓ Use Device Pool Called Party Calling Party Transformation CSS ✓ Use Device Pool Called Party Calling Party Transformation CSS Calling Darty Selection* Calling Line ID Presentation* Calling and Connected Party Info ✓ Redirecting Diversion Header Redirecting Party Transformation ✓ Use Device Pool Redirecting F Caller Information Caller ID DN	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default CSS < None >	igned.	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio ✓ Use Device Pool Connected Use Device Pool Connected ✓ Use Device Pool Called Party Calling Party Transformation CSS ✓ Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Info ✓ Redirecting Diversion Header Redirecting Party Transformation ✓ Use Device Pool Redirecting F Calling Party Transformation	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default CSS < None >	igned.	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio ✓ Use Device Pool Connected Outbound Calls Called Party Transformation CSS ✓ Use Device Pool Called Party Calling Party Transformation CSS ✓ Use Device Pool Called Party Calling Party Transformation CSS Calling Darty Selection* Calling Line ID Presentation* Calling and Connected Party Info ✓ Redirecting Diversion Header Redirecting Party Transformation ✓ Use Device Pool Redirecting F Caller Information Caller ID DN	refix to Default this indi e there is no prefix ass Prefix Default n CSS < None > Party Transformation CS S < None > Transformation CSS S < None > Transformation CSS Originator Default Default Default Default Default Default Default Default Default Default Default Default Default Default Default CSS < None > Party Transformation CS	and DN in conn	Clear Pret	fix Settings	Default Pref	ix Settings	]	ne value configur	Use Device Pool CSS

- SIP Information					
Destination Address is an SRV					
Destination Address is an SRV Destination Address		Destination Addre	cc IDu6	Destination Port	
1* 172.20.117.152			55 19 00	5068	
17212011171102				5000	
MTP Preferred Originating Codec*	711ulaw		*		
BLF Presence Group*	Standard Pres	ence group	~		
SIP Trunk Security Profile*	Non Secure S	P Trunk Profile	~		
Rerouting Calling Search Space	< None >		~		
Out-Of-Dialog Refer Calling Search Space	< None >		*		
SUBSCRIBE Calling Search Space	< None >		~		
SIP Profile*	EO SIP Profile	with no PRACK	~		
DTMF Signaling Method*	RFC 2833		*		
Normalization Script					
Normalization Script Remove_TIAS_Frie	ndly Patch	~			
Enable Trace					
Parameter Name		Parameter Valu	19		
1		Parameter van			
Geolocation Configuration					
Geolocation Configuration		*			
Geolocation Filter < None >		*			
Send Geolocation Information					
Cisena Geolocation Information					
- Save Delete Reset Add New	ו				
(i) *- indicates required item.					
(i) **- Device reset is not required for a	hanges to Pack	et Capture Mode and Packet C	apture Duration.		



## Cisco Unified Communications Manager-SME SIP Profile Information

abab					Nav	igation Cisco Unified CM A	dministra
cisco	For Cisco Unified Communications Solutions				CCMAdministrator	Search Documentation	About
System 👻	Call Routing 👻 Media Resources 👻 Advanced Features 👻 Device 👻	Application 👻 User Manage	ment 👻 Bulk Administratio	on 👻 Help 👻			
Find and	List SIP Profiles						
	New Eselect All Clear All 🔀 Delete Selected						
Status	ecords found						
SIP Pro	ofile (1 - 11 of 11)					Rows	per Pag
Find SIP	Profile where Name 💙 begins with 💙	Find Clear Filter	+ -				
	Name 📩				Description		
	EO SIP Profile for OCS 2007 R2		Default SIP Profile				
	EO SIP Profile with no PRACK		SIP Profile EO with no P	RACK-To MedSrv	-117-152		
	EO with PRACK supported		EO with PRACK support	ed			
	Early Offer SIP Profile for Siemens		Default SIP Profile				
	Standard SIP Profile		Default SIP Profile				
	Standard SIP Profile Avava		Default SIP Profile				
	Standard SIP Profile For Cisco VCS		Default SIP Profile For (	Cisco Video Comn	nunication Server		
	Standard SIP Profile For TelePresence Conferencing		Default SIP Profile For (	Cisco TelePresenc	e Conferencing		
	Standard SIP Profile Msft Fax		Default SIP Profile				
	Standard SIP Profile for ATT		Default SIP Profile				
Γ	Standard SIP Profile with PRACK supported		Default SIP Profile				
Add N	ew Select All Clear All Delete Selected						



SIP Profile used with Cisco UCM-SME SIP trunk to Microsoft Lync Server 2010

		and the second se		
Cisco Unified CM Administratic	n	Navigation Cisco Unified CM Administratio		
For Cisco Unified Communications Solutions		CCMAdministrator Search Documentation About		
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SIP Profile Configuration		Related Links: Back To Find/List		
🔚 Save 🗶 Delete 🗋 Copy 🎦 Reset 🥒 Apply Config	Add New			
Status Status: Ready All SIP devices using this profile must be restarted before	any changes will take affect.			
SIP Profile Information				
Name*	EO SIP Profile with no PRACK			
Description	SIP Profile EO with no PRACK-To MedSrv-117-152			
Default MTP Telephony Event Payload Type*	101			
Early Offer for G.Clear Calls*	Disabled			
SDP Session-level Bandwidth Modifier for Early Offer and Re-in	vites* TIAS and AS			
User-Agent and Server header information*	Send Unified CM Version Information as User-Ager 💙			
Accept Audio Codec Preferences in Received Offer*	Default			
Dial String Interpretation*	Phone number consists of characters 0-9, *, #, and 🗸			
Redirect by Application				
Disable Early Media on 180				
Outgoing T.38 INVITE include audio mline				
Enable ANAT				
Require SDP Inactive Exchange for Mid-Call Media Change				
Use Fully Qualified Domain Name in SIP Requests	— Required for URI dialing			
Assured Services SIP conformance				
Parameters used in Phone           Timer Invite Expires (seconds)*				
Timer Register Delta (seconds)* 5				
Timer Register Expires (seconds)* 3600				
4000	rr T2 (msec)* 4000			

Retry INVITE*	6
Retry Non-INVITE*	10
Start Media Port*	16384
Stop Media Port*	32766
Call Pickup URI*	x-cisco-serviceuri-pickup
Call Pickup Group Other URI*	x-cisco-serviceuri-opickup
Call Pickup Group URI*	x-cisco-serviceuri-gpickup
Meet Me Service URI*	x-cisco-serviceuri-meetme
User Info*	None V
DTMF DB Level*	Nominal
Call Hold Ring Back*	Off 🗸
Anonymous Call Block*	Off 🗸
Caller ID Blocking*	Off 🗸
Do Not Disturb Control*	User 🗸
Telnet Level for 7940 and 7960*	Disabled
Resource Priority Namespace	< None >
Timer Keep Alive Expires (seconds)*	120
Timer Subscribe Expires (seconds) $^{st}$	120
Timer Subscribe Delta (seconds)*	5
Maximum Redirections*	70
Off Hook To First Digit Timer (milliseconds)*	15000
Call Forward URI*	x-cisco-serviceuri-cfwdall
Speed Dial (Abbreviated Dial) URI*	x-cisco-serviceuri-abbrdial
Conference Join Enabled	
RFC 2543 Hold	
Semi Attended Transfer	
Enable VAD	
Stutter Message Waiting	
MLPP User Authorization	
Normalization Script Normalization Script Remove_TIAS_Friend	y_Patch
Enable Trace	y_ratti
Parameter Name	Parameter Value
1	
Incoming Requests FROM URI Setting	5
Caller ID DN	
Caller Name	



Trunk Specific Configuration		
Reroute Incoming Request to new Trunk based on*	Never	
RSVP Over SIP*	Local RSVP	
Resource Priority Namespace List	< None >	
Fall back to local RSVP		
SIP Rel1XX Options*	Disabled 🗸	
Video Call Traffic Class*	Mixed 💌	
Calling Line Identification Presentation*	Default 🗸	
Deliver Conference Bridge Identifier		
Early Offer support for voice and video calls (ins	ert MTP if needed)	
Send send-receive SDP in mid-call INVITE		
Allow Presentation Sharing using BFCP		
Allow iX Application Media		
Allow Passthrough of Configured Line Device Cal	ler Information	
Reject Anonymous Incoming Calls		
Reject Anonymous Outgoing Calls		
SIP OPTIONS Ping		
Enable OPTIONS Ping to monitor destination sta	atus for Trunks with Service Type "None (Default)"	
Ping Interval for In-service and Partially In-service		
Ping Interval for Out-of-service Trunks (seconds)*	120	
Ping Retry Timer (milliseconds)*	500	
Ping Retry Count*	6	
- Save Delete Copy Reset Apply Co	nfig Add New	
Carter Copy (Reset) Apply Co		
indicates required item.		



SIP Profile used with Cisco UCM-SME SIP trunk to Cisco Unified Communications Manager

uhuh Cisco Unified CM Administration		Navigation Cisco Unified CM Administra
CISCO For Cisco Unified Communications Solutions		CCMAdministrator Search Documentation About
System - Call Routing - Media Resources - Advanced Features - I	Device ▼ Application ▼ User Management ▼ Bulk Administra	
SIP Profile Configuration		Related Links: Back To Find/List
🗋 Copy 🌯 Reset 🧷 Apply Config 埍 Add New		
Status		
i Status: Ready		
(1) All SIP devices using this profile must be restarted before any o	hanges will take affect.	
SIP Profile Information Name*	Standard SIP Profile	
Description	Default SIP Profile	
Default MTP Telephony Event Payload Type*	101	]
Early Offer for G.Clear Calls*	Disabled	
SDP Session-level Bandwidth Modifier for Early Offer and Re-invites		
User-Agent and Server header information*	Send Unified CM Version Information as User-Ager V	
Accept Audio Codec Preferences in Received Offer*	Default	
Dial String Interpretation*	Phone number consists of characters 0-9, *, #, and	
Redirect by Application		
Disable Early Media on 180		
Outgoing T.38 INVITE include audio mline		
Enable ANAT		
Require SDP Inactive Exchange for Mid-Call Media Change		
Use Fully Qualified Domain Name in SIP Requests		
Assured Services SIP conformance		
Parameters used in Phone           Timer Invite Expires (seconds)*		
Timer Register Delta (seconds)* 5		
Timer Register Expires (seconds)* 3600		
Timer T1 (msec)* 500		

Retry INVITE*	6	
Retry Non-INVITE*	10	
Start Media Port*	16384	_
Stop Media Port*	32766	
Call Pickup URI*	x-cisco-serviceuri-pickup	
Call Pickup Group Other URI*	x-cisco-serviceuri-opickup	
Call Pickup Group URI*	x-cisco-serviceuri-gpickup	
Meet Me Service URI*	x-cisco-serviceuri-gpickup	
User Info*		~
DTMF DB Level*		~
Call Hold Ring Back*		~
Anonymous Call Block*		*
Caller ID Blocking*		*
Do Not Disturb Control*		~
Telnet Level for 7940 and 7960*		*
Resource Priority Namespace	< None >	~
Timer Keep Alive Expires (seconds)*	120	
Timer Subscribe Expires (seconds)*	120	
Timer Subscribe Delta (seconds)*	5	
Maximum Redirections*	70	
Off Hook To First Digit Timer (milliseconds)*		
Call Forward URI*	x-cisco-serviceuri-cfwdall	
Speed Dial (Abbreviated Dial) URI*		
	x-cisco-serviceuri-abbrdial	
Conference Join Enabled		
RFC 2543 Hold		
Semi Attended Transfer		
Stutter Message Waiting		
MLPP User Authorization		
_		
Normalization Script		
Normalization Script < None >	~	
Enable Trace Parameter Name	Parameter Value	
Parameter Name	Parameter Value	
Incoming Requests FROM URI Settings	5	
Caller ID DN		
Caller Name		
L		



— Irunk Specific Configuration ————————————————————————————————————					
Reroute Incoming Request to new Trunk based on*	Never	~			
RSVP Over SIP*	Local RSVP	~			
Resource Priority Namespace List	< None >	~			
Fall back to local RSVP					
SIP Rel1XX Options*	Disabled	~			
Video Call Traffic Class*	Mixed	~			
Calling Line Identification Presentation*	Default	~			
Deliver Conference Bridge Identifier					
Early Offer support for voice and video calls (ins	ert MTP if needed)				
Send send-receive SDP in mid-call INVITE					
Allow Presentation Sharing using BFCP					
Allow iX Application Media					
Allow Passthrough of Configured Line Device Ca	ller Information				
Reject Anonymous Incoming Calls					
Reject Anonymous Outgoing Calls					
SIP OPTIONS Ping	atus for Trunks with Service Type "None (Default)"				
-			_		
Ping Interval for In-service and Partially In-service					
Ping Interval for Out-of-service Trunks (seconds)*	120				
Ping Retry Timer (milliseconds)*	500				
Ping Retry Count*	6				
- Copy Reset Apply Config Add New	]				

(i) \*- indicates required item.



### SIP Profile used with Cisco UCM-SME SIP trunk to Service Provider

			1					
abab		dministration				Na	vigation Cisco Unified CM	Administrat
cisco	For Cisco Unified Communic	ations Solutions				CCMAdministrator	Search Documentation	About
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SIP Prof	ile Configuration						Related Links: Back To	Find/List
Сору	🖣 🗬 Reset 🥖 Apply Config	Add New						
_								
Status	us: Ready							
×								
	SIP devices using this profile must b	e restarted before any ch	hanges will take affect.					
- SIP Pro	file Information				7			
Name*			Standard SIP Profile		]			
Descripti	on		Default SIP Profile		]			
Default N	1TP Telephony Event Payload Type'	k	101		]			
Early Off	er for G.Clear Calls*		Disabled	*	]			
SDP Ses	sion-level Bandwidth Modifier for Ea	rly Offer and Re-invites*	TIAS and AS	*	]			
User-Age	nt and Server header information*		Send Unified CM Version Info	rmation as User-Ager ⊻				
	udio Codec Preferences in Received	d Offer*	Default	*	]			
Dial Strin	g Interpretation*		Phone number consists of cha	racters 0-9, *, #, and 🗸	]			
Redir	ect by Application							
Disab	le Early Media on 180							
Outgo	oing T.38 INVITE include audio mlin	e						
Enabl	e ANAT							
Requ	re SDP Inactive Exchange for Mid-	Call Media Change						
Use F	ully Qualified Domain Name in SIP	Requests						
Assur	ed Services SIP conformance							
	eters used in Phone							
	vite Expires (seconds)*	180						
Timer Re	gister Delta (seconds)*	5						
Timer Re	gister Expires (seconds)*	3600						
Timer T1	(msec)*	500						
Timer T2	(msec)*	4000						
1								

Retry INVITE*	6	
Retry Non-INVITE*	10	
Start Media Port*	16384	
Stop Media Port*	32766	
Call Pickup URI*	x-cisco-serviceuri-pickup	_
Call Pickup Group Other URI*	x-cisco-serviceuri-opickup	
Call Pickup Group URI*	x-cisco-serviceuri-opickup	
Meet Me Service URI*	x-cisco-serviceuri-gpickup x-cisco-serviceuri-meetme	
User Info*	x-cisco-serviceuri-meetme None	~
DTMF DB Level*	None	~
Call Hold Ring Back*	Off	~
Anonymous Call Block*	Off	×
Caller ID Blocking*	Off	~
Do Not Disturb Control*	User	×
Telnet Level for 7940 and 7960*	Disabled	~
Resource Priority Namespace	< None >	~
Timer Keep Alive Expires (seconds)*	120	
Timer Subscribe Expires (seconds)*	120	
Timer Subscribe Delta (seconds)*	5	
Maximum Redirections*	70	
Off Hook To First Digit Timer (milliseconds)*	15000	
Call Forward URI*	x-cisco-serviceuri-cfwdall	
Speed Dial (Abbreviated Dial) URI*	x-cisco-serviceuri-abbrdial	
Conference Join Enabled		
RFC 2543 Hold		
Semi Attended Transfer		
Enable VAD		
Stutter Message Waiting		
MLPP User Authorization		
Normalization Script		
Normalization Script < None >	~	
Enable Trace	Deserved as it is	
Parameter Name 1	Parameter Value	
Incoming Requests FROM URI Settings		
Caller ID DN		
Caller Name		



— Irunk Specific Configuration ————————————————————————————————————					
Reroute Incoming Request to new Trunk based on*	Never	~			
RSVP Over SIP*	Local RSVP	~			
Resource Priority Namespace List	< None >	~			
Fall back to local RSVP					
SIP Rel1XX Options*	Disabled	~			
Video Call Traffic Class*	Mixed	~			
Calling Line Identification Presentation*	Default	~			
Deliver Conference Bridge Identifier					
Early Offer support for voice and video calls (ins	ert MTP if needed)				
Send send-receive SDP in mid-call INVITE					
Allow Presentation Sharing using BFCP					
Allow iX Application Media					
Allow Passthrough of Configured Line Device Ca	ller Information				
Reject Anonymous Incoming Calls					
Reject Anonymous Outgoing Calls					
SIP OPTIONS Ping	atus for Trunks with Service Type "None (Default)"				
-			_		
Ping Interval for In-service and Partially In-service					
Ping Interval for Out-of-service Trunks (seconds)*	120				
Ping Retry Timer (milliseconds)*	500				
Ping Retry Count*	6				
- Copy Reset Apply Config Add New	]				

(i) \*- indicates required item.



### **Configuring the Cisco Unified Communications Manager**

Cisco Unified Communications Manager-Software release



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 a 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 I 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 our Export Compliance Product Report web site.

For information about Cisco Unified Communications Manager please visit our <u>Unified Communications System Documentation</u> web site.

For Cisco Technical Support please visit our Technical Support web site.



## Cisco Unified Communications Manager-Region Configuration

ahahi	<b>Cisco Unified CM Administration</b>					Na	vigation Cisco Unified CM	Administra
cisco	For Cisco Unified Communications Solutions					administrator	Search Documentation	About
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Find and I	List Regions							
Add N	ew 📰 Select All 🔛 Clear All 💥 Delete Selected							
Status -	ords found							
Regions	: (1 - 3 of 3)						Row	s per Page
Find Regio	ns where Name begins with 💌	Find Clear Filter	4 -					
	Γ				Name 🔦			
	Γ	Default						
	Γ	g711region						
	Γ	g729region						
Add Ner	w Select All Clear All Delete Selected							

## Cisco UCM Regions Configuration - G711 Region

	isco Unified CM Adr				Navigation Cisco Unified CM Administratio	
FU					ministrator Search Documentation About	
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Region Configu	uration				Related Links: Back To Find/List	
Save 🗙	Delete 🎦 Reset 🧷 Apply	Config 🕂 Add New				
Region Infor Name <sup>*</sup> g711re	mation					
Region Relat	ionships					
	Region Audio Codec Preference List			Maximum Audio Bit Rate	Maximum Session Bit Rate for Video Calls	
	Default	Use System Defai	ilt (Factory Default low loss)	64 kbps (G.722, G.711)	384	
	g711region	Cus	tom List G711	64 kbps (G.722, G.711)	384	
	g729region	Cus	tom List G729	8 kbps (G.729)	384	
NOTE: Regions	s not displayed	Use :	System Default Use System Default		Use System Default	
— Modify Relati	ionship to other Regions —					
	Regions		Audio Codec Preference List	Maximum Audio Bit Rate	Maximum Session Bit Rate for Video Call	
Default			Keep Current Setting 🛛 🗸	Keep Current Setting 💙	<ul> <li>Keep Current Setting</li> </ul>	
g711region g729region					OUse System Default	
					O None	
					kbps	
— Save Dele	ete Reset Apply Config	Add New				
indicate	es required item.					



## Cisco UCM Regions Configuration – G729 Region

cisco	Cisco Unified CM Ad				Navigation Cisco Unified CM Admin	
					administrator   Search Documentation   Ab	
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Region Co	onfiguration				Related Links: Back To Find/L	
Save	🗙 Delete 省 Reset 🧷 Appl	ly Config 🕂 Add New				
	Information ———					
Name* g	729region					
- Region I	Relationships					
-	Region	Audio Cod	lec Preference List	Maximum Audio Bit Rate	Maximum Session Bit Rate for Video	
	Default	Use System Defau	lt (Factory Default low loss)	64 kbps (G.722, G.711)	384	
	g711region	Cust	om List G729	8 kbps (G.729)	384	
	g729region	Cust	om List G729	8 kbps (G.729)	384	
NOTE: R	egions not displayed	Use S	system Default	Use System Default	Use System Default	
- Modify I	Relationship to other Regions —					
	Regions		Audio Codec Preference List	Maximum Audio Bit Rate	Maximum Session Bit Rate for Vid	
Default g711reg g729reg			Keep Current Setting	Keep Current Setting	<ul> <li>Keep Current Setting</li> <li>Use System Default</li> <li>None</li> <li>kbps</li> </ul>	
- Save	Delete Reset Apply Confi	ia Add New				
Save	Delete Reset Apply Contr	Ig Add New				
(i) *- in	dicates required item.					



## Cisco Unified Communications Manager-Device Pool configuration

ahahi	Cisco Unified CM Administra	tion		N	avigation Cisco Unified CM Administratio
cisco	For Cisco Unified Communications Solutio	ns		administrator	Search Documentation About
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Find and I	List Device Pools				
Add N	ew 🔛 Select All 🔛 Clear All 💥 Delete Selec	ted			
Status -	ords found				
Device	Pool (1 - 3 of 3)				Rows per Page 5
Find Devic	e Pool where Device Pool Name	🗸 begins with 🗸	Find Clear Fi	ter 🔂 😑	
	Name 📥	Cisco Unified CM	1 Group	Region	Date/Time Group C
	Default	<u>Default</u>	Default	CMLocal	ß
	g711devicepool	Default	g711region	CMLocal	ß
	g729devicepool	<u>Default</u>	g729region	CMLocal	ß
Add Net	w Select All Clear All Delete Selecte	d			

## Cisco UCM Device Pool for G711

Cisco Unified CM							avigation Cisco Unified CM Administra
System - Call Routing - Media Resources		ice 🔻 Application 👻	User Management	■ Bulk Administration      ■ H	elp 🔻	administrator	Search Documentation About
Device Pool Configuration							Related Links: Back To Find/List
🔚 Save 🗶 Delete 🗈 Copy 資	Reset 🧷 Apply Config 🕂	Add New					
Status Status: Ready							
- Device Pool Information Device Pool: g711devicepool (9 memb	pers**)						
Device Pool Settings	g711devicepool						
Cisco Unified Communications Manager (	Group* Default		~				
Calling Search Space for Auto-registratio	n < None >		*				
Adjunct CSS	< None >		*				
Reverted Call Focus Priority	Default		~				
Local Route Group	< None >		~				
Intercompany Media Services Enrolled G	<pre>roup &lt; None &gt;</pre>		~				
- Roaming Sensitive Settings							
Date/Time Group* CMLoc	al	~					
Region* g711re	gion	~					
Media Resource Group List SJC-M	RGL	~					
Location Hub_N	one	~					
Network Locale < None	8 >	~					
SRST Reference* Disable	8	~					
Connection Monitor Duration***							
Single Button Barge*	t	*					
Join Across Lines* Defaul	t	~					
Physical Location < None	8 >	~					
Device Mobility Group < None	• >	*					

Device Mobility Related Informa	ation****				
Device Mobility Calling Search Space		*			
AAR Calling Search Space	< None >	*			
AAR Group	< None >	~			
Calling Party Transformation CSS		×			
Called Party Transformation CSS	< None >				
Called Party Hallstofflation C33	< None >	~			
Geolocation Configuration					
Geolocation Configuration Geolocation < None >	*				
Geolocation Filter < None >	~				
- Hone -					
Call Routing Information					
_					
- Incoming Calling Party Setting					
If the administrator sets the prefix field is empty in which case there		ig will use prefix at the next level sett	ing (DevicePool/Service Parameter).	Otherwise, the value configured is used as the prefi	x unles
		Clear Prefix Settings	Default Prefix Settings		
			beldalt Helix Settings		
Number Type	Prefix	Strip Digits		Calling Search Space	
National Number	Default		< None >	~	
International Number	Default		< None >	▼	
Unknown Number	Default		< None >	~	
Subscriber Number	Default		< None >	~	
	Default		s None >		
Incoming Called Party Settings					
		g will use prefix at the next level setting	ng (DevicePool/Service Parameter). O	therwise, the value configured is used as the prefix	unless
If the administrator sets the prefix field is empty in which case there i				therwise, the value configured is used as the prefix	unless
field is empty in which case there i	is no prefix assigned.	Clear Prefix Settings	ng (DevicePool/Service Parameter). O Default Prefix Settings		unless
field is empty in which case there i Number Type	is no prefix assigned.		Default Prefix Settings	Calling Search Space	unless
field is empty in which case there i	is no prefix assigned.	Clear Prefix Settings			unless
field is empty in which case there i Number Type	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings	Calling Search Space	unless
field is empty in which case there i Number Type National Number	is no prefix assigned. Prefix Default	Clear Prefix Settings	Default Prefix Settings < None >	Calling Search Space	unless
field is empty in which case there i <b>Number Type</b> National Number International Number	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i Number Type National Number International Number Unknown Number	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings None > None >	Calling Search Space	unless
field is empty in which case there i Number Type National Number International Number Unknown Number Subscriber Number	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i Number Type National Number International Number Unknown Number	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Inbound Call Settings	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there is  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Inbound Call Settings	is no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Settings	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Inbound Call Settings Calling Party Transformation CSS	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Settings	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Settings Redirecting Party Settings	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there in Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Transformation CS	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Settings Redirecting Party Settings	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
Field is empty in which case there is         Number Type         National Number         International Number         Unknown Number         Subscriber Number         Phone Settings         Calling Party Transformation CSS         Connected Party Settings         Connected Party Transformation CSS         Redirecting Party Transformation CSS	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there i  Number Type National Number International Number Unknown Number Subscriber Number Phone Settings Calling Party Transformation CSS Connected Party Settings Redirecting Party Settings	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
Field is empty in which case there is         Number Type         National Number         International Number         Unknown Number         Subscriber Number         Phone Settings         Calling Party Transformation CSS         Connected Party Settings         Connected Party Transformation CSS         Redirecting Party Transformation CSS	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre></pre>	Calling Search Space	unless
field is empty in which case there is         Number Type         National Number         International Number         Unknown Number         Subscriber Number         Phone Settings         Calling Party Transformation CSS         Connected Party Settings         Connected Party Transformation CS         Redirecting Party Transformation CS         Save       Delete         Copy       Rest         Image: Save       Copy         *- indicates required item.	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre> </pre> </pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> </pre> <pre> </pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	Calling Search Space	
field is empty in which case there is         Number Type         National Number         International Number         Unknown Number         Subscriber Number         Phone Settings         Calling Party Transformation CSS         Connected Party Settings         Connected Party Transformation CS         Redirecting Party Transformation CS         Save       Delete         Copy       Rest         Image: Save       Copy         *- indicates required item.	s no prefix assigned.	Clear Prefix Settings	Default Prefix Settings <pre> </pre> </pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> </pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre> </pre> </pre> </pre> </pre> </pre> </pre> <pre> </pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	Calling Search Space	

(i) \*\*\*\*These five parameters will overwrite device level settings when device is roaming and in the same device mobility group.



### Cisco UCM Device Pool for G729

ahaha Cisco Unifie	d CM Adm	ninistration					N	avigation Cisco Unified CM	Administrat
CISCO For Cisco Unified	Communicatio	ons Solutions					administrator	Search Documentation	About
System 👻 Call Routing 👻 Media R	esources 👻 Ad	dvanced Features 👻 Devi	ce 👻 Application	👻 User Manageme	nt 👻 Bulk Administration	✓ Help ✓			
Davias Deal Configuration								D. L. L. L. Dark Ta	Tion of /1 in the
Device Pool Configuration								Related Links: Back To	Find/List
Save 🗙 Delete 🗋 Copy	Reset	🖉 Apply Config 🕂 A	Add New						
<b>a</b>									
Status: Ready									
Device Pool Information —									
Device Pool: g729devicepool (	0 members**)	1							
Device Pool Settings			1						
Device Pool Name*		g729devicepool							
Cisco Unified Communications Ma	anager Group*	Default		~					
Calling Search Space for Auto-re	gistration	< None >		~					
Adjunct CSS		< None >		~					
Reverted Call Focus Priority		Default		~					
Local Route Group		< None >		~					
Intercompany Media Services En	rolled Group	< None >		~					
- Roaming Sensitive Settings									
Date/Time Group*	CMLocal		~						
Region*	g729region		~						
Media Resource Group List	SJC-MRGL		*						
Location	Hub_None		~						
Network Locale	< None >		*						
SRST Reference*	Use Default G	ateway	~						
Connection Monitor Duration***									
Single Button Barge* Join Across Lines*	Barge		~						
Physical Location	On		¥						
Device Mobility Group	< None >		×						
	< None >		•						
— Device Mobility Related Info									
Device Mobility Calling Search Sp	oace < None >	•		~					
AAR Calling Search Space	< None >			*					
AAR Group Calling Party Transformation CSS	< None >			¥					
Called Party Transformation CSS				* *					
	< None >								
Geolocation Configuration -									
Geolocation < None >		~	*						
Geolocation Filter < None >		~	•						
Call Routing Information —									
Incoming Calling Party Set		this indicatos call proce	osina will use pro	fiv at the payt lave	Leatting (DevicePeel/S	onvice Parameter)	Otherwise, the value	configured is used as the p	rofix unloca
field is empty in which case th			use pre	at the next leve	. setting (Bavicerool/36	e. thee i aremeter).	sector most the value	, compared is used as the p	. enx amess
			Clear I	Prefix Settings	Default Prefi	ix Settings			
Number Type		Prefix		Strip Digits			Calling Search S	Space	
National Number	De	fault			< None >			*	
International Number	De	fault			< None >			*	
Unknown Number	De	fault			< None >			~	
Subscriber Number	De	fault			< None >			*	



#### Incoming Called Party Settings If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless field is empty in which case there is no prefix assigned. Clear Prefix Settings Default Prefix Settings Calling Search Space Prefix Strip Digits Number Type National Number Default < None > ۷ International Number < None > ¥ Default Unknown Number < None > ۷ Default Subscriber Number < None > ¥ Default Phone Settings Inbound Call Settings Calling Party Transformation CSS < None > \* Connected Party Settings Connected Party Transformation CSS < None > ~ Redirecting Party Settings Redirecting Party Transformation CSS < None > ~ - Save Delete Copy Reset Apply Config Add New (i) \*- indicates required item. 👔 \*\*Number of devices that have to be reset when this device pool is updated. To see a detailed list of these devices and other dependencies, click on Dependency Records. (i) \*\*\*Leave the field blank or enter -1 to use the configuration from the enterprise parameter. (i) \*\*\*\*These five parameters will overwrite device level settings when device is roaming and in the same device mobility group.



## Cisco Unified Communications Manager-Media Termination Point Configuration

cisco						Navigation Cisco U	nified CM Administrat
cisco	For Cisco Unified Communi	cations Solutions			administ	rator   Search Docun	nentation About
System 👻	Call Routing 👻 Media Resources 👻	Advanced Features 👻 De	vice 👻 Application 👻 User M	anagement 👻 Bulk Administ	ation 👻 Help 👻		
Find and	List Media Termination Points						
Add 1	New Select All Clear All	Delete Selected	Reset Selected 🛛 🧷 Apply Con	fig to Selected			
- Status ·							
(1) 1 rec	cords found						
Media 1	Termination Point (1 - 1 of 1)	)					Rows per Page
Find Media	a Termination Point where Name	✓ begins with ✓	Find	Clear Filter	-		
Γ	Name	<ul> <li>Descri</li> </ul>	ption Devi	ce Pool	Status	IP Address	Co
	MTP 2	MTP_CUCM-EXUM	10 <u>Default</u>	Registered	with CUCM-ExUM10	172.20.85.110	Not Allowe
Add Ne	w Select All Clear All	Delete Selected F	eset Selected Appl	y Config to Selected			

	ed CM Administration					Nav	vigation Cisco Unified CN	I Administra
CISCO For Cisco Unified	Communications Solutions					administrator	Search Documentation	n   About
System 👻 Call Routing 👻 Media	Resources 👻 Advanced Features 👻	Device - Application -	User Management 👻	Bulk Administration $\bullet$	Help 👻			
Media Termination Point Con	ifiguration					F	Related Links: Back To	) Find/List
🔚 Save 陷 Reset 🧷 App	ply Config							
- Status								
i Status: Ready								
_								
— Media Termination Point In	formation							
Registration	Registered with Cisco Unified Com	munications Manager Cl	JCM-ExUM10					
IP Address	172.20.85.110							
IPv6 Address	0000:0000:0000:0000:0000:0000	0000:0000						
Media Termination Point Type*	Cisco Media Termination Point Sof	tware						
Host Server*	CUCM-ExUM10							
Media Termination Point Name*	MTP_2							
Description	MTP_CUCM-ExUM10							
Device Pool*	Default	*						
Trusted Relay Point								
- Save Reset Apply Co	onfig							
(i) *- indicates required item.								
0								



## Cisco Unified Communications Manager-Conference Bridge Configuration

cisco				Na	vigation Cisco Unified CM Administra							
	For Cisco Unified Communica	ations Solutions		administrator	Search Documentation About							
System 👻	Call Routing 👻 Media Resources 👻	Advanced Features - Device - Applic	ation 👻 User Management 👻 Bulk Administ	tration 👻 Help 👻								
Find and	List Conference Bridges											
Add I	New Select All Clear All	Delete Selected Preset Selected	🖉 Apply Config to Selected									
Status i	- Status 1 records found											
Confer	ence Bridges (1 - 1 of 1)				Rows per Page							
Find Conf	erence Bridges where Name	✓ begins with ✓	Find Clear Filter 🔂 😑									
	Conference Bridge Name	<ul> <li>Description</li> </ul>	Device Pool	Status	IP Address							
	CFB_2	CFB_CUCM-ExUM10	g711devicepool	Registered with CUCM-ExUM10	172.20.85.110							
Add Ne	w Select All Clear All	Delete Selected Reset Selected	Apply Config to Selected	]								

## Software Conference Bridge

ahaha Cisco Unifi	ed CM Administration						Nav	vigation Cisco Unified CM	Administrati
	d Communications Solutions						administrator	Search Documentation	About
System 👻 Call Routing 👻 Media	a Resources 👻 Advanced Features 👻	Device 👻 A	Application 👻	User Management 👻	Bulk Administration 👻	Help 👻			
Conference Bridge Configur	ration				Re	lated Links: E	ack To Find/List		
🔚 Save 🍋 Reset 🧷 Aş	oply Config								
Status Status: Ready									
Conference Bridge Inform Conference Bridge : CFB_2 (C Registration Registere IP Address 172.20.85	FB_CUCM-ExUM10) d with Cisco Unified Communications	s Manager CU	ICM-EXUM10						
- Software Conference Bride	ae Info								
Conference Bridge Type* Host Server	Cisco Conference Bridge Software CUCM-ExUM10								
A Device is not trusted									
Conference Bridge Name*	CFB_2								
Description	CFB_CUCM-ExUM10								
Device Pool*	g711devicepool		*						
Common Device Configuration	< None >		*						
Location*	Hub_None		*						
Use Trusted Relay Point*	Default		~						
- Save Reset Apply C	onfig								
(i) *- indicates required iten	ı.								



## Cisco Unified Communications Manager-Media Resource Group configuration

abab	Cisco Unified CM Administration		Navi	gation Cisco Unified CM A	Administrat
cisco	For Cisco Unified Communications Solutions	a	dministrator	Search Documentation	About
System 👻	Call Routing 👻 Media Resources 👻 Advanced Features 👻 Device 👻 Application	✓ User Management			
Find and I	ist Media Resource Groups				
Add N	ew 🔛 Select All 🔛 Clear All 🙀 Delete Selected				
Status -	ords found				
Media R	esource Group (1 - 6 of 6)			Rows	per Page
Find Media	Resource Group where Name 💙 begins with 💙	Find Clear Filter			
	Name 📥	Description		Multi-cast	c
	MRG for EXUM 2007 Fax	MRG for ExUM 2007 Fax	false		ß
	MRG for EXUM 2010	MRG for ExUM 2010	false		ß
	MRG HW MTP	MRG HW MTP	false		Ъ
	MRG SW MTP	MRG SW MTP	false		Ъ
	MRG SW noMTP	MRG SW no MTP	false		ß
	SJC-MRG	SJC-MRG	false		Ъ
Add Nev	v Select All Clear All Delete Selected				

ahahi	Cisco U	nified CM A	dministration						Navigation Cisco Unified CM Administrat
cisco	For Cisco L	Unified Communic	ations Solutions						administrator Search Documentation About
System 👻	Call Routing 👻	Media Resources 👻	Advanced Features 👻	Device 👻	Application -	User Management 👻	Bulk Administration 👻	Help 👻	
Media Re	source Group	Configuration							Related Links: Back To Find/List
Save	X Delete	🗋 Copy 🕂 Add	New						
Status -	us: Ready								
	source Group: 5	<b>p Status</b> SJC-MRG (used by 1	7 devices)						
Name*	SJC-MRG	p Information —		]					
	for this Grou	p							
	Media Resource		21abc						
Selected	Media Resource	s* ANN_2 (ANN) CFB_2 (CFB)	**						
		MOH_2 (MOH MTP_2 (MTP)	)						
Use M	ulti-cast for MO	H Audio (If at least	one multi-cast MOH re	source is a	vailable)				
- Save	Delete Co	py Add New							
(i) *- ir	ndicates require	d item.							
(i) **I	ncludes Annunci	iators (ANN), Confe	rence Bridges (CFB),	Media Term	ination Points	(MTP), Music On Hol	d Servers (MOH) and	Transcoders (XC	CODE)



## Cisco Unified Communications Manager-Media Resource Group List configuration

abab	Cisco Unifi	ed CM Administration					Nav	rigation Cisco Un	ified CM Administrat
cisco	For Cisco Unifie	d Communications Solutions					administrator	Search Docum	entation About
System 👻	Call Routing 👻 Media	a Resources 👻 Advanced Features 👻	Device - Applicatio	n 👻 User Management 🔻	Bulk Administration 👻	Help 👻			
Find and I	List Media Resourc	e Group Lists							
Add N	ew Select All	Clear All 🙀 Delete Selected							
Status -	ords found								
Media R	esource Group Lis	t (1 - 6 of 6)							Rows per Page
Find Media	Resource Group List	t where Name begins with 💌		Find Clear Filter	4 -				
	Γ			Name 🔦					Сору
		MRGL for EXUM 2007 Fax						ß	
		MRGL for ExUM 2010						ß	
	Γ	MRGL HW MTP						ß	
		MRGL SW MTP						ľù.	
	Γ	MRGL SW noMTP						Б	
		SJC-MRGL						ß	
Add Net	w Select All	Clear All Delete Selected							

ahaha	Cisco Unified CM Administration						Navigation Cisco Unified CM Administrat
cisco	For Cisco Unified Communications Solutions						administrator Search Documentation About
System 👻	Call Routing - Media Resources - Advanced Features -	Device 👻	Application -	User Managemen	- Bulk Administration	▼ Help ▼	
Media Re	source Group List Configuration						Related Links: Back To Find/List
Save	🗙 Delete 📋 Copy 🕂 Add New						
- Status -							
(i) Statu	ıs: Ready						
- Media P	esource Group List Status						
	source Group List: SJC-MRGL (used by 7 devices)						
Madia	esource Group List Information						
Name* S	JC-MRGL						
	esource Groups for this List						
Available	Media Resource Groups MRG for ExUM 2007 Fax MRG for ExUM 2010						
	MRG_HW_MTP MRG_SW_MTP						
	MRG_SW_noMTP						
	<b>★</b> ▲						
Selected	Media Resource Groups SJC-MRG						
				×			
- Save	Delete Copy Add New						
(i) *- ir	idicates required item.						

## Cisco Unified Communications Manager-Route Pattern Configuration

		CM Administration	Navigation Cisco Unified CM	Adminis
ISCO	For Cisco Unified Cor	nmunications Solutions	administrator Search Documentation	Abo
em 🔻	🗸 Call Routing 👻 Media Resou	irces 👻 Advanced Features 👻 Device 👻 Application 👻 User Management 👻 Bulk Administration 👻 Help 👻		
and	d List Route Patterns			
Add	I New Select All	lear All		
~~~				
atus	;			
27 (	records found			
oute	Patterns (1 - 27 of 27)		Rows p	er Pag
Rou	te Patterns where Pattern	💌 begins with 💌 🛛 🖓 🔽		
1	Pattern *	Description Partition Route Filter	Associated Device	
	<u>100X</u>	RP to OCSR2 OITT or Mediation Server	OCSR2 MEDSRV SIP Trunk	
1	<u>101X</u>	Incoming from CUCM endpoint to SME and to LYNC	SIP-Trunk-to-SME	
1	<u>11000</u>	Route Pattern to ExUM 2010 voice mail	ExUM10 Trunk	
	<u>115X</u>	to SG Ericsson PBX	S2/SU0/DS1-0@Router	
1	1408XXXXXXX	Incoming from CUCM endpoint to SME and to SP	SIP-Trunk-to-SME	
	<u>141522210XX</u>	Route Pattern from CUCM to Lync 2010 via SME	Lvnc2010-RTM SIP Trunk	
1	<u>2101X</u>	Route Pattern to Lync 2010 Client	failover	
1	<u>222101X</u>	Route Pattern to LyncIT Client	LyncIT SIP Trunk	
1	<u>232X</u>		S2/SU0/DS1-0@Ri104	
1	<u>347X</u>	Incoming from CUCM endpoint to SME	SIP-Trunk-to-SME	
1	<u>4441234</u>	Route Pattern to Lync Conference AA		
1	44XXXXXXXXXXX	Route pattern to test int'l calls for SME 9.0	SP-ASR-SIP-trunk	
1	<u>4XXX</u>	RP to SIP GW to PSTN	S0/SU1/DS1-0@MS_GW1	
1	5000	ExUM10 subscriber access	ExUM10 Trunk	
1	<u>5050</u>	Route Pattern to Avaya Octel VM	S0/SU1/DS1-0@MS_GW1	
1	<u>555770X</u>		SIP-Trunk-to-SME	
	<u>6000</u>	ExUM10 auto attendant	ExUM10 Trunk	
1	<u>610XX</u>	EXUM 2007 Fax	ExUM07_SIP_trunk	
	<u>6411</u>	To dial 411 out to VZ for SME 9.0 testing (34.2)	SP-ASR-SIP-trunk	
	<u>650X</u>		SIP-Trunk-to-SME	
	<u>660X</u>		SIP-Trunk-to-SME	
	7101X	Route Pattern to OCSR2 MSPBX Client	OCSR2-MSPBX-SIP-Trunk	
	72XX	For SME 9.0 test case 14.1	SP-ASR-SIP-trunk	
1	770X		SIP-Trunk-to-SME	
	775X	RP for calls to SIPGW FXS port for DTMF testing	MS_GW1	
		Ke for cars to steewinks port for primit testing	10 GW1	

Add New Select All Clear All Delete Selected



### Route Pattern-101X

ahah Cisco Unifi	ed CM Adr	ninistra	ation				Navigation Cisco Unified CM Administr
CISCO For Cisco Unifie							administrator Search Documentation About
System - Call Routing - Media	Resources 👻 A	dvanced Fea	tures 👻 Device	<ul> <li>Applicatio</li> </ul>	on 👻 UserMana	igement 👻 Bulk Administration 👻 Help 👻	
Route Pattern Configuration	7						Deleted Lieber Back To Find
	_	_		_	_		Related Links: Back To Find/
🔚 Save 🗶 Delete 🗋 Co	opy 🕂 Add Ne	w					
— Status ————							
i Status: Ready							
-							
Route Pattern *		101X				]	
Route Partition		< None >			*	]	
Description			rom CUCM endp	point to SME			
Numbering Plan		Not Sele			and to Ente		
Route Filter		< None >			~		
MLPP Precedence*		Default			~		
Apply Call Blocking Percent	age						
Resource Priority Namespace I		< None >			*		
Route Class*		Default			~		
Gateway/Route List*		SIP-Trunk	-to-SME		*	(Edit)	
Route Option		Route t	his pattern				
		O Block t	his pattern No I	Error	~		
Call Classification*	ffNet			~			
Allow Device Override 🗹 🛛	Provide Outside [	Dial Tone	Allow Overlap	Sending 🔲	Urgent Priority		
Require Forced Authorization	on Code						
Authorization Level*							
Require Client Matter Code							
— Calling Party Transformat	ions						
Use Calling Party's Externa		Mask					
Calling Party Transform Mask							
Prefix Digits (Outgoing Calls)							
Calling Line ID Presentation*	Default			~			
Calling Name Presentation*	Default			~			
Calling Party Number Type*	Cisco CallMana	iger		~			
Calling Party Numbering Plan*	Cisco CallMana	ager		*			
Compared Data Track							
Connected Party Transfor Connected Line ID Presentatio					*		
Connected Name Presentation					~		
Called Party Transformati							
Discard Digits Called Party Transform Mask	< None >				$\sim$		
	+1415222						
Called Party Number Type* Called Party Numbering Plan*	Cisco CallMana			*			
Called Party Numbering Flam	Cisco Calimana	ger		*			
ISDN Network-Specific Fa	cilities Informa	ation Elem	ent —				
	Not Selected			~			
Carrier Identification Code							
Network Service		_	Parameter Name	9		Service Parameter Value	
Not Selected		< Not Ex	ust >				
- Save Delete Copy	Add New -						
Cave Colete Copy	Add NOV						
(i) *- indicates required item	n.						



### Route Pattern-1408XXXXXXX

ahaha Cisco Unifi	ed CM Adr	ninistration					Navigation Cisco Unified CM Administra
CISCO For Cisco Unifie						admi	nistrator Search Documentation About
System - Call Routing - Media	a Resources 👻 🔺	dvanced Features 👻	Device 👻 Appl	ication 👻 User Ma	nagement 👻 Bulk Administration 👻 Help 👻		
Route Pattern Configuration							Related Links: Back To Find/
Save 🗙 Delete 🗋 C	opy 🖵 Add Ne	W					
Status							
(i) Status: Ready							
Pattern Definition							
Route Pattern*		1408XXXXXXX					
Route Partition		< None >			×		
Description		Incoming from CL	JCM endpoint to S	GME and to SP			
Numbering Plan		Not Selected			Y		
Route Filter		< None >			×		
MLPP Precedence*		Default			×		
Apply Call Blocking Percen	tage						
Resource Priority Namespace	Network Domain	< None >			×		
Route Class*		Default			×		
Gateway/Route List*		SIP-Trunk-to-SME			✓ ( <u>Edit</u> )		
Route Option		<ul> <li>Route this path</li> </ul>	ern				
		O Block this patt	ern No Error	•			
Call Classification*	ffNet		~	]			
Allow Device Override 🗹	Provide Outside [	Dial Tone 🔲 Allow	Overlap Sending	Urgent Priorit	(		
Require Forced Authorization	on Code						
Authorization Level*				]			
Require Client Matter Code	•						
- Callina Danta Transformat							
Calling Party Transformat		Mask					
Calling Party Transform Mask		Husk					
Prefix Digits (Outgoing Calls)							
Calling Line ID Presentation*	Default			~			
Calling Name Presentation*	Default			*			
Calling Party Number Type*	Cisco CallMana	aer		~			
Calling Party Numbering Plan*				*			
Connected Party Transfor Connected Line ID Presentatio				*			
Connected Name Presentation				~			
	Derdan						
Called Party Transformati	ons —						
Discard Digits	< None >			~			
Called Party Transform Mask							
Prefix Digits (Outgoing Calls)							
Called Party Number Type*	Cisco CallMana	ger		~			
Called Party Numbering Plan*	Cisco CallMana	ger		~			
TODA Materials Constitue To		the strengt					
ISDN Network-Specific Fac Network Service Protocol	Not Selected	tion Element	*				
Carrier Identification Code							
Network Service		Service Paramet	er Name		Service Parameter Value		
Not Selected		Not Exist >					]
- Save Delete Copy	Add New -						
(i) *- indicates required iten	n.						



### Route Pattern- 141522210XX

Cines Unifi							Navigation Cisco Unified CM Administrati
CISCO For Cisco Unifie		ninistration					
							ministrator Search Documentation About
System	Resources V A	dvanced reatures • Der	vice V Application	<ul> <li>User Manage</li> </ul>	ment  Buik Administration	Help ▼	
Route Pattern Configuration							Related Links: Back To Find/Lis
🔚 Save 🗙 Delete 🛅 Co	opy 🛟 Add Ne	w					
	-						
- Status							
(1) Status: Ready							
Pattern Definition							
Route Pattern*		141522210XX					
Route Partition		< None >		*			
Description		Route Pattern from CU	CM to Lync 2010 v	via SME			
Numbering Plan		Not Selected		*			
Route Filter		< None >		~			
MLPP Precedence*		Default		*			
Apply Call Blocking Percent							
Resource Priority Namespace N Route Class*	letwork Domain			*			
Gateway/Route List*		Default		× • (	=di+)		
Route Option		Lync2010-RTM_SIP_Tr	unk	v (			
		<ul> <li>Route this pattern</li> <li>Block this pattern</li> </ul>	No Error	~			
Call Classification*	ffNet	O Block this pattern					
Allow Device Override V				aopt Briarity			
Require Forced Authorizatio				genermoney			
Authorization Level*							
Require Client Matter Code							
— Calling Party Transformati	ions						
Use Calling Party's External		Mask					
Calling Party Transform Mask							
Prefix Digits (Outgoing Calls)							
Calling Line ID Presentation*	Default		~				
Calling Name Presentation*	Default		~				
Calling Party Number Type*	Cisco CallMana		~				
Calling Party Numbering Plan*	Cisco CallMana	iger	~				
<ul> <li>Connected Party Transform Connected Line ID Presentation</li> </ul>			~				
Connected Name Presentation			~	-			
				-			
- Called Party Transformation							
Discard Digits	< None >		~				
Called Party Transform Mask							
Prefix Digits (Outgoing Calls) Called Party Number Type*	+						
Called Party Numbering Plan*	Cisco CallMana		×				
Called Party Numbering Plan	Cisco Calimana	ger	*				
— ISDN Network-Specific Fac	cilities Informa	ation Element					
Network Service Protocol	Not Selected		*				
Carrier Identification Code							
Network Service		Service Parameter N	ame		Service Parameter Value		
Not Selected		V < Not Exist >					
- Save Delete Copy	Add New -						
- Save Delete Copy	Add New						
(i) *- indicates required item	۱.						



### SIP Route Pattern\*

ahaha Cisco Unified CM Administration		Navigation Cisco Unified CM Administra
CISCO For Cisco Unified Communications Solutions		administrator Search Documentation About
System 👻 Call Routing 👻 Media Resources 👻 Advanced Features 👻	Device	•
Find and List SIP Route Patterns		
👍 Add New 🔛 Select All 🔛 Clear All 💥 Delete Selected		
Status		
SIP Route Pattern (1 - 1 of 1)		Rows per Pag
Find SIP Route Pattern where IPv4 Pattern 💌 begins with 💌	Find) Clear Filter 🔂 📼	
Pattern <sup>▲</sup>	IPv6 Pattern Description	Route Partition
□ Ivnc2010rtm.com		ß
Add New Select All Clear All Delete Selected		
ululu Cisco Unified CM Administration		Navigation Cisco Unified CM Administrat
CISCO For Cisco Unified Communications Solutions		administrator Search Documentation About
System 👻 Call Routing 👻 Media Resources 👻 Advanced Features 👻	Device - Application - User Management - Bulk Administration - Help	
SIP Route Pattern Configuration		Related Links: Back To Find/L
Save 🗶 Delete 🗋 Copy 🛟 Add New		
Save 👗 Delete 📋 Copy 🖵 Add New		
- Status		
(i) Status: Ready		
Pattern Definition		
Pattern Usage Domain Routing IPv4 Pattern* Ivnc2010rtm.com		
IPv6 Pattern Ilync2010rtm.com		
Description		
Route Partition < None >		
SIP Trunk/Route List* SIP-Trunk-to-SME	(Edit)	
Block Pattern		
Calling Party Transformations		
Use Calling Party's External Phone Mask		
Calling Party Transformation Mask		
Prefix Digits (Outgoing Calls) Calling Line ID Presentation* Default		
Calling Line ID Presentation* Default Calling Line Name Presentation* Default	<u> </u>	
Connected Party Transformations Connected Line ID Presentation* Default	×	
Connected Line Name Presentation* Default	V	
- Save Delete Copy Add New		
(i) *- indicates required item.		
-		

\*This configuration is needed for the calls initiated from CUCM using URI dialing. There is a SIP trunk to CUCM-SME using this route pattern.



## Cisco Unified Communications Manager-SIP Trunk configuration

ahaha Cisco Unified CM Administration							Navigation Cisco Unified CM Administrat			
CISCO For Cisco Unified Communications Solutions administrator Search						h Documen	tation Abo			
tem 👻 Call Rou	ting 👻 Media Resources 👻 Advanced Fe	atures ▼ Device ▼ Application ▼ U	ser Management	<ul> <li>Bulk Administrati</li> </ul>	on 👻 Help 👻					
d and List Tru	inks									
Add New	Select All 🔛 Clear All  Delete Se	lected Preset Selected								
tatus ———										
26 records fo	ound									
incention of the	ac -{ 2c}								-	
runks (1-2									R	ows per Page
nd Trunks where	Device Name v begins	Select item or enter search		er 🕂 🗖						
		Description	Calling Search	Device Pool	Route Pattern	Partition	Route	Priority	Trunk	SIP Trunk
. <u>sip</u>	Name A	CUCM-SUMMER-SIP-trunk	Space	Default	63XX	Partition	Group	Priority	Type SIP	Prof Non Secure
€ ≦12	EXUM07_SIP_trunk								Trunk	Profile
SIP		ExUM07_SIP_trunk		<u>Default</u>	610XX				Trunk	Non Secure Profile for E
ä	ExUM10 Trunk	Trunk to ExUM 2010 Server		<u>Default</u>	11000				SIP Trunk	Non Secure Profile for B
Ē	ExUM10 Trunk	Trunk to ExUM 2010 Server		<u>Default</u>	5000				SIP Trunk	Non Secure Profile for I
<b>E</b>	ExUM10 Trunk	Trunk to ExUM 2010 Server		<u>Default</u>	<u>6000</u>				SIP Trunk	Non Secure Profile for B
iii ii	Lync-MedServer34-Cluster	Med12 Cluster		<u>Default</u>			<u>Failover</u> <u>RG</u>	1	SIP Trunk	<u>Non Secure</u> Profile
Ë	Lync2010-RTM_SIP_Trunk	SIP Trunk to Lync 2010 RTM colocated Med Server		g711devicepool	<u>141522210XX</u>				SIP Trunk	Non Secure Profile
Ē	Lync2010 SIP Trunk	SIP Trunk to Lync2010 colocated med server		<u>Default</u>					SIP Trunk	Non Secure Profile
Ē	LyncIT SIP Trunk	SIP Trunk to LyncIT client		g711devicepool	<u>222101X</u>				SIP Trunk	Non Secure Profile
en e	MS GW1	SIP Trunk to SIP GW for PSTN connection		<u>Default</u>	<u>775X</u>				SIP Trunk	Non Secure Profile
Ē	OCSR2-MSPBX-SIP-Trunk	OCSR2-MSPBX-SIP-Trunk		<u>Default</u>	<u>7101X</u>				SIP Trunk	Non Secure Profile
siP E	OCSR2 MEDSRV SIP Trunk	SIP Trunk to OCSR2 Mediation Server		<u>Default</u>	<u>100X</u>				SIP Trunk	Non Secure Profile
i i i i i i i i i i i i i i i i i i i	OCSR2 OITT SIP Trunk	SIP Trunk to OCSR2 OITT		Default					SIP Trunk	Non Secure Profile
iii E	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		<u>q711devicepool</u>	<u>101X</u>				SIP Trunk	Non Secure Profile
Ë	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		<u>q711devicepool</u>	<u>770X</u>				SIP Trunk	Non Secure Profile
sie E	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		<u>q711devicepool</u>	lync2010rtm.com				SIP Trunk	Non Secur Profile
Ē	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		g711devicepool	<u>555770X</u>				SIP Trunk	Non Secur Profile
ä	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		g711devicepool	1408XXXXXXX				SIP	Non Secure Profile
SIP E	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172- 20-109-254		g711devicepool	<u>650X</u>				SIP	Non Secur Profile
51P	SIP-Trunk-to-SME	SIP Trunk to CUCM-SME-172-		g711devicepool	<u>660X</u>				SIP	Non Secur
	SIP-Trunk-to-SME	20-109-254 SIP Trunk to CUCM-SME-172-		g711devicepool	<u>347X</u>				SIP	Profile Non Secur
ě	SME-SIP-Trunk	20-109-254 SME SIP Trunk		<u>Default</u>					SIP	Profile Non Secur
Ë	SP-ASR-SIP-trunk	SIP trunk to SP VZ ASR		g711devicepool	<u>9.@</u>				SIP	Profile Non Secur
Ë	SP-ASR-SIP-trunk	SIP trunk to SP VZ ASR		g711devicepool	<u>6411</u>				Trunk SIP	Profile Non Secur
	SP-ASR-SIP-trunk	SIP trunk to SP VZ ASR		g711devicepool	<u>72XX</u>				Trunk SIP	Profile Non Secur
	SP-ASR-SIP-trunk	SIP trunk to SP VZ ASR		g711devicepool					Trunk SIP	Profile Non Secure



## SIP trunk to SME with Route pattern $101 \mathrm{X}$

	Application  Vuser Management  Bulk Administration	administrator   Search Documentation   Abor Help - Related Links: Back To Find/Lis
runk Configuration         Save	SIP Trunk	
Save Delete Reset L Add New  Status  Status: Ready  Device Information  Product: S		Related Links: Back To Find/Lis
Status Status: Ready Device Information Product: S		
Device Information Product: S		
Device Information Product: S		
Product: S		
	SIP	
	lone(Default)	
	SIP-Trunk-to-SME	
	SIP Trunk to CUCM-SME-172-20-109-254	
	q711devicepool	
	< None >	
	Use System Default	
	SJC-MRGL	
	Hub_None	
	< None >	
	None	
QSIG Variant*	No Changes	
ASN.1 ROSE OID Encoding*	No Changes	
Packet Capture Mode*	None	
Packet Capture Duration	0	
Media Termination Point Required		
Retry Video Call as Audio		
Path Replacement Support		
Transmit UTF-8 for Calling Party Name		
Transmit UTF-8 Names in QSIG APDU		
Unattended Port		

Consider Traffic on This Trunk Secure Route Class Signaling Enabled* Use Trusted Relay Point*	e*	When using both sRTI	P and TLS	2.0		
		the doing both bitti		· ·		
Use Trusted Relay Point*		Default		~		
		Default		*		
PSTN Access						
Run On All Active Unified CM Node	es					
- Intercompany Media Engine (IM E.164 Transformation Profile < None						
2.104 Hansion adon Home < None	:>	~				
- Multilevel Precedence and Pree	mption (MLPP) Information ——					
MLPP Domain < None >	×					
- Call Routing Information						
Remote-Party-Id						
Asserted-Identity						
Asserted-Type* PAI	~					
SIP Privacy* Default	<b>v</b>					
Inbound Calls						
Significant Digits*	dl	~				
Connected Line ID Presentation*	Default	~				
	Default	~				
Calling Search Space	None >	~				
AAR Calling Search Space <	None >	~				
Prefix DN						
Redirecting Diversion Header De	elivery - Inbound					
the field is empty in which case t	here is no prefix assigned.		lext level setting (series)	ioi/Service Parameter)	. Otherwise, the value configu	red is used as the prefix unl
	here is no prefix assigned.	Clear Prefix Sett		refix Settings	. Otherwise, the value configu	red is used as the prefix unl
	here is no prefix assigned. Prefix				. Otherwise, the value configu	red is used as the prefix unl Use Device Pool CSS
the field is empty in which case t Number Type		Clear Prefix Sett		refix Settings Calling Search Space	Otherwise, the value configu	
the field is empty in which case t Number Type	Prefix	Clear Prefix Sett	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
the field is empty in which case t Number Type Incoming Number Connected Party Settings	Prefix	Clear Prefix Sett Strip Digits	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
the field is empty in which case t Number Type Incoming Number Connected Party Settings Connected Party Transformation C	Prefix efault SS < None >	Clear Prefix Sett	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
the field is empty in which case t Number Type Incoming Number Connected Party Settings	Prefix efault SS < None >	Clear Prefix Sett Strip Digits	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
the field is empty in which case t Number Type Incoming Number Connected Party Settings Connected Party Transformation C Use Device Pool Connected Part	Prefix efault SS < None >	Clear Prefix Sett Strip Digits	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
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the field is empty in which case t  Number Type Incoming Number Connected Party Settings Connected Party Transformation C  Use Device Pool Connected Part Called Party Transformation CSS Use Device Pool Called Party Transformation CSS Use Device Pool Calling Party Transformation CSS Use Device Pool Calling Party Tr Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Info Fe Redirecting Diversion Header De Redirecting Party Transformation CS Caller Information Caller ID DN Caller ID DN	Prefix       efault       SS < None >       rty Transformation CSS       < None >       ansformation CSS       < None >       ransformation CSS       Last Redirect Number (Exter       Default       Default       Default       Default       Default       Default       SS < None >	Clear Prefix Sett Strip Digits  C  Trail)  C  Clear Prefix Sett  C  C  C  C  C  C  C  C  C  C  C  C	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS
the field is empty in which case t  Number Type Incoming Number Connected Party Settings Connected Party Transformation C Use Device Pool Connected Part Called Party Transformation CSS Use Device Pool Called Party Transformation CSS Use Device Pool Called Party Transformation CSS Use Device Pool Calling Party Transformation CS Calling Ine ID Presentation* Calling and Connected Party Info For Redirecting Diversion Header De Redirecting Party Transformation CS Use Device Pool Redirecting Part	Prefix       efault       SS < None >       rty Transformation CSS       < None >       ansformation CSS       < None >       ransformation CSS       Last Redirect Number (Exter       Default       Default       Default       Default       Default       Default       St None >	Clear Prefix Sett Strip Digits  C  Trail)  C  Clear Prefix Sett  C  C  C  C  C  C  C  C  C  C  C  C	ings Default P	refix Settings Calling Search Space		Use Device Pool CSS

- SIP Information					
Destination —					
Destination Address is an SRV					
Destination Address		Destination Address IPv6		Destination Port	
1* 172.20.109.254				5060	
MTP Preferred Originating Codec*	711ulaw		$\mathbf{\vee}$		
BLF Presence Group*	Standard Presence group		~		
SIP Trunk Security Profile*			~		
Rerouting Calling Search Space	< None >		*		
Out-Of-Dialog Refer Calling Search Space	< None >		*		
SUBSCRIBE Calling Search Space	< None >		*		
SIP Profile*	Standard SIP	Profile with FQDN in SIP Requests	~		
DTMF Signaling Method*	RFC 2833		*		
Normalization Script Normalization Script remove-tias		*			
		×			
Enable Trace					
Parameter Name		Parameter Value			
Geolocation Configuration     Geolocation     C None >		~			
Geolocation < None > Geolocation Filter < None >		×			
		~			
Send Geolocation Information					
- Save Delete Reset Add New	ר – ר				
(i) *- indicates required item.					
(i) **- Device reset is not required for a	hanges to Pac	ket Capture Mode and Packet Captu	re Dura	tion.	


#### SIP trunk to SME with Route Pattern lync2010rtm.com

61660	ed CM Administration			Navigation Cisco Unified CM Administra
For Cisco Unifie	d Communications Solutions			administrator Search Documentation About
System - Call Routing - Media	Resources • Advanced Features •	Device	→ Bulk Administration     → Help     →	
Trunk Configuration				Related Links: Back To Find/List
🔚 Save 🗙 Delete 省 Re	set 🕂 Add New			
— Status ———				
(i) Status: Ready				
Device Information				
Product:		SIP Trunk		
Device Protocol:		SIP		
Trunk Service Type Device Name*		None(Default)		
		SIP-Trunk-to-SME		
Description		SIP Trunk to CUCM-SME-172-2	:0-109-254	
Device Pool*		g711devicepool	~	
Common Device Configuration		< None >	~	
Call Classification*		Use System Default	~	
Media Resource Group List		SJC-MRGL	~	
Location*		Hub_None	~	
AAR Group		< None >	~	
Tunneled Protocol*		None	~	
QSIG Variant*		No Changes	~	
ASN.1 ROSE OID Encoding*		No Changes		
Packet Capture Mode*		None	*	
Packet Capture Duration		0		
Media Termination Point Re	quired	L <sup>U</sup>		
Retry Video Call as Audio				
Path Replacement Support				
Transmit UTF-8 for Calling I				
Transmit UTF-8 Names in Q	SIG APDU			
Unattended Port				
		s to be configured in the network to provide	end to end security. Failure to do so	will expose keys and other information.
Consider Traffic on This Trunk	Secure*	When using both sRTP and TLS	S 🛛	

Route Class Signaling Enabled*		Default		*	
Use Trusted Relay Point*		Default		~	
▼ PSTN Access					
Run On All Active Unified CM N	odes				
— Intercompany Media Engine (					
E.164 Transformation Profile < No	one >	*			
- Multilevel Precedence and Pr	eemption (MLPP) Information —				
MLPP Domain < None >					
— Call Routing Information ——					
Remote-Party-Id					
Asserted-Identity					
Asserted-Type* PAI	~				
SIP Privacy* Default	×	•			
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				
Incoming Calling Party Set		ocessing will use prefix at	the next level setting (De	vicePool/Service Parameter). Oth	erwise, the value configured is used as the prefix unl
	refix to Default this indicates call pro	ccessing will use prefix at			erwise, the value configured is used as the prefix unl
If the administrator sets the p	refix to Default this indicates call pro			vicePool/Service Parameter). Oth ult Prefix Settings Calling Search Space	erwise, the value configured is used as the prefix unl Use Device Pool CSS
If the administrator sets the p the field is empty in which cas	refix to Default this indicates call pro e there is no prefix assigned.	Clear Prefix		ult Prefix Settings	
If the administrator sets the p the field is empty in which cas Number Type	refix to Default this indicates call pro- te there is no prefix assigned. Prefix	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings -	refix to Default this indicates call pro e there is no prefix assigned. Prefix Default	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation	refix to Default this indicates call pro e there is no prefix assigned.  Prefix  Default  n CSS < None >	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings -	refix to Default this indicates call pro e there is no prefix assigned.  Prefix  Default  n CSS < None >	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformatio	refix to Default this indicates call pro e there is no prefix assigned.  Prefix  Default  n CSS < None >	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation	refix to Default this indicates call pro- e there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Outbound Calls	refix to Default this indicates call pro- e there is no prefix assigned.  Prefix  Default  n CSS < None >  Party Transformation CSS  < None >	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation	refix to Default this indicates call pro- e there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS  C None >  Transformation CSS	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Outbound Calls Called Party Transformation CSS V Use Device Pool Called Party Calling Party Transformation CSS	refix to Default this indicates call pro- te there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS    Transformation CSS   S < None >	Clear Prefix Strip Digits	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Outbound Calls Called Party Transformation CSS Vuse Device Pool Called Party	refix to Default this indicates call pro- te there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS    Cransformation CSS    Transformation CSS	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Connected Use Device Pool Called Party Calling Party Transformation CSS V Use Device Pool Calling Party	refix to Default this indicates call pro- le there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS    Cransformation CSS    Cransformation CSS    Cast Redirect Number (Exerct Num	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Connected Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection*	refix to Default this indicates call pro- te there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS    Cransformation CSS    Transformation CSS	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Connected Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation *	refix to Default this indicates call pro- e there is no prefix assigned.   Prefix  Default  n CSS < None >  Party Transformation CSS    S < None >  Transformation CSS   S < None >   Transformation CSS   S < None >   Transformation CSS   Default   Default	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Colled Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation*	refix to Default this indicates call pro- le there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Colled Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling In D Presentation* Calling In D Presentation* Calling and Connected Party Info	refix to Default this indicates call pro- le there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Colled Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Ine ID Presentation* Calling Name Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indicates call pro- te there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation I Use Device Pool Connected Use Device Pool Connected Use Device Pool Called Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Ing ID Presentation* Calling Ling ID Presentation* Calling Name Presentation* Calling and Connected Party Info Redirecting Party Transformation Use Device Pool Redirecting F	refix to Default this indicates call pro- te there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Colled Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indicates call pro- te there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected Use Device Pool Colled Party Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info Redirecting Diversion Header Redirecting Party Transformation Use Device Pool Redirecting P	refix to Default this indicates call pro- te there is no prefix assigned.	Clear Prefix	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation I Use Device Pool Connected Use Device Pool Connected Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Calling Device Pool Calling Party Calling Inter Device Pool Calling Party Calling Name Presentation * Calling Name Presentation * Calling and Connected Party Info Redirecting Party Transformation Use Device Pool Redirecting F Caller Information Caller Information	refix to Default this indicates call pro- te there is no prefix assigned.	Clear Prefix  Strip Digits  Currently  tternal)	Settings Defa	ult Prefix Settings Calling Search Space	Use Device Pool CSS

- SIP Information					
Destination					
Destination Address is an SRV					
Destination Address		Destination Address IF	v6	Destination Port	
1* 172.20.109.254				5060	
MTP Preferred Originating Codec*	711ulaw		~		
BLF Presence Group*	Standard Pres	ence group	~		
SIP Trunk Security Profile*	Non Secure S	IP 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 with FQDN in SIP Requests	~		
DTMF Signaling Method*	RFC 2833		*		
Normalization Script Normalization Script Enable Trace Parameter Name		♥ Parameter Value			
— Geolocation Configuration ————					
Geolocation < None >		*			
Geolocation Filter < None >		*			
Send Geolocation Information					
- Save Delete Reset Add New	] ———				
<ul> <li>(i) *- indicates required item.</li> <li>(i) **- Device reset is not required for a</li> </ul>	hanges to Pack	et Capture Mode and Packet Captu	re Durat	ion.	



#### SIP trunk to SME with Route Pattern 1408XXXXXX

Cisco Unified CM Administration For Cisco Unified Communications Solutions		Navigation Cisco Unified CM Administrat
System 👻 Call Routing 👻 Media Resources 👻 Advanced Features 👻	Device ▼ Application ▼ User Management ▼ Bulk Administration ▼ Help ▼	
Trunk Configuration		Related Links: Back To Find/List
🔚 Save 🗶 Delete 🎱 Reset 🕂 Add New		
🖵 Status —		
(i) Status: Ready		
Device Information		
Product:	SIP Trunk	
Device Protocol:	SIP	
Trunk Service Type Device Name*	None(Default)	
Description	SIP-Trunk-to-SME	
	SIP Trunk to CUCM-SME-172-20-109-254	
Device Pool*	g711devicepool	
Common Device Configuration	< None >	
Call Classification*	Use System Default	
Media Resource Group List	SJC-MRGL	
Location*	Hub_None	
AAR Group	< None >	
Tunneled Protocol*	None 💌	
QSIG Variant*	No Changes	
ASN.1 ROSE OID Encoding*	No Changes	
Packet Capture Mode*	None	
Packet Capture Duration	0	
Media Termination Point Required		
Retry Video Call as Audio		
Path Replacement Support		
Transmit UTF-8 for Calling Party Name		
Transmit UTF-8 Names in QSIG APDU		
Unattended Port		
	Is to be configured in the network to provide end to end security. Failure to do so	will expose keys and other information.
Consider Traffic on This Trunk Secure*	When using both sRTP and TLS	

Route Class Signaling Enabled*		Default		×	
Use Trusted Relay Point*		Default		×	
PSTN Access					
Run On All Active Unified CM N	odes				
- Intercompany Media Engine (					
E.164 Transformation Profile < No	one >	*			
MLPP Domain < None >	eemption (PLPP) Info	w v			
- Call Routing Information ——					
Remote-Party-Id					
Asserted-Identity					
Asserted-Type* PAI		▼			
SIP Privacy* Default		~			
— 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				
	refix to Default this indica		at the next level setting (DevicePool/s	Service Parameter). Otherwise, the	value configured is used as the prefix unle
	refix to Default this indica	ned.	at the next level setting (DevicePool/S fix Settings Default Prefi		value configured is used as the prefix unle
If the administrator sets the p the field is empty in which cas <b>Number Type</b>	refix to Default this indica	ned.	fix Settings Default Prefi		value configured is used as the prefix unle Use Device Pool CSS
If the administrator sets the p the field is empty in which cas	refix to Default this indica e there is no prefix assig	ned. Clear Pref	fix Settings Default Prefi	x Settings	
If the administrator sets the p the field is empty in which cas <b>Number Type</b>	refix to Default this indica e there is no prefix assig Prefix	ned. Clear Pref	fix Settings Default Prefi	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number	refix to Default this indica e there is no prefix assig Prefix Default	ned. Clear Pref	ix Settings Default Prefi Cal Cal Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None >	Clear Pref	fix Settings Default Prefi	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None >	Clear Pref	ix Settings Default Prefi Cal Cal Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None >	Clear Pref	ix Settings Default Prefi Cal Cal Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings - Connected Party Transformation Use Device Pool Connected I Outbound Calls	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CS:	Clear Pref	ix Settings Default Prefi Cal None >	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected II Outbound Calls Called Party Transformation CSS	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CS: < None >	Clear Pref	ix Settings Default Prefi Cal Cal Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings - Connected Party Transformation Use Device Pool Connected I Outbound Calls	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS Transformation CSS	Clear Pref	ix Settings Default Prefi Cal None >	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected II Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS S < None >	Clear Pref	ix Settings Default Prefi Cal None >	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation Use Device Pool Connected I Outbound Calls Called Party Transformation CSS Use Device Pool Called Party	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS	Clear Pref	ix Settings Default Prefi Cal Cal Cal V	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation I Use Device Pool Connected I Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS I Use Device Pool Called Party Calling Party Transformation CSS	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect 1	Clear Pref	ix Settings Default Prefi Cal None >	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation Use Device Pool Connected I Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS	Clear Pref	ix Settings Default Prefi Cal Cal Cal V	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected i Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation*	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS C None > Transformation CSS S < None > Transformation CSS Last Redirect I Default Default	ned. Clear Pref Strip Digits	fix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings → Connected Party Transformation Use Device Pool Connected I Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Ine ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect I Default Default Default Format* Deliver URI ar	ned. Clear Pref Strip Digits S Number (External)	fix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Use Device Pool Connected i Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation*	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS C None > Transformation CSS C None > Default Default Default Default Default Default Default Default Default Default	ned. Clear Pref Strip Digits S Number (External)	fix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation I Use Device Pool Connected I Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling Name Presentation* Calling and Connected Party Info	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect 1 Default Default Default Default Default Default Default CSS < None > CSS < Cone Cone Cone Cone Cone Cone Cone Cone	ned.	ix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Connected Party Transformation Colled Party Transformation CSS Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection* Calling In ID Presentation* Calling Name Presentation* Calling Name Presentation* Calling and Connected Party Info Redirecting Party Transformation Use Device Pool Redirecting P	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect 1 Default Default Default Default Default Default Default CSS < None > CSS < Cone Cone Cone Cone Cone Cone Cone Cone	ned.	ix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation I Use Device Pool Connected 10 Outbound Calls Called Party Transformation CSS Use Device Pool Called Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Transformation CSS Use Device Pool Calling Party Calling Party Selection * Calling Ine ID Presentation * Calling Name Presentation * Calling and Connected Party Info	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect 1 Default Default Default Default Default Default Default CSS < None > CSS < Cone Cone Cone Cone Cone Cone Cone Cone	ned.	ix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings — Connected Party Transformation Vuse Device Pool Connected II Outbound Calls Called Party Transformation CSS Vuse Device Pool Called Party Calling Party Transformation CSS Vuse Device Pool Called Party Calling Party Transformation CSS Vuse Device Pool Called Party Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Info Vedirecting Diversion Header Redirecting Party Transformation Use Device Pool Redirecting P Caller Information Caller ID DN	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS < None > Transformation CSS S < None > Transformation CSS Last Redirect 1 Default Default Default Default Default Default Default CSS < None > CSS < Cone Cone Cone Cone Cone Cone Cone Cone	ned.	ix Settings Default Prefi Cal	ix Settings	Use Device Pool CSS
If the administrator sets the p the field is empty in which cas Number Type Incoming Number Connected Party Settings – Connected Party Transformation Vuse Device Pool Connected II Outbound Calls Called Party Transformation CSS Vuse Device Pool Called Party Calling Party Transformation CSS Vuse Device Pool Called Party Calling Party Transformation CSS Vuse Device Pool Calling Party Calling Party Selection* Calling Line ID Presentation* Calling and Connected Party Info Vertex Redirecting Party Transformation Use Device Pool Redirecting Party Caller Information	refix to Default this indice e there is no prefix assig Prefix Default n CSS < None > Party Transformation CSS C None > Transformation CSS C None > Transformation CSS Last Redirect I Default Default Default Default Default Default Default CSS < None > Cast Redirect I Default Cast Redirect I Cast Redirect I Default Cast Redirect I Cast Re	ned.   Clear Pref  S  Number (External)  A DN in connected party, if availa	ix Settings Default Prefi Cal	ix Settings	

- SIP Information					
Destination					
Destination Address is an SRV					
Destination Address		Destination Address IP	6	Destination Port	
1* 172.20.109.254				5060	
MTP Preferred Originating Codec*	711ulaw		~		
BLF Presence Group*	Standard Pres	ence group	~		
SIP Trunk Security Profile*	Non Secure S	P 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 with FQDN in SIP Requests	*		
DTMF Signaling Method*	RFC 2833		*		
Normalization Script Normalization Script Enable Trace Parameter Name		V Parameter Value			
— Geolocation Configuration ————					
Geolocation < None >		~			
Geolocation Filter < None >		×			
Send Geolocation Information					
- Save Delete Reset Add New	ן				
<ul> <li>(i) *- indicates required item.</li> <li>(i) **- Device reset is not required for a</li> </ul>	hanges to Pack	et Capture Mode and Packet Captur	e Durati	on <b>.</b>	



#### Cisco Unified Communications Manager-SIP Profile Information

abab	Cisco Unified CM Administration	Navigation Cisco Unified CM Administra
cisco	For Cisco Unified Communications Solutions	administrator Search Documentation About
System -	Call Routing - Media Resources - Advanced Features - Device -	Application   User Management   Bulk Administration   Help
Find and	List SIP Profiles	
GP Add	New 🔛 Select All 🔛 Clear All 💥 Delete Selected	
Status	records found	
<b>U</b> <sup>13</sup>	records found	
SIP Pr	ofile (1 - 13 of 13)	Rows per Page
Find SIP	Profile where Name 💌 begins with 💌	Find Clear Filter
Γ	Name 🗖	Description
	EO SIP Profile for PRACK required	EO SIP Profile for PRACK required
	EO SIP Profile for PRACK supported	EO SIP Profile for PRACK supported
Г	EO for PRACK supported and Audio Codec Pref ON	EO for PRACK supported and Audio Codec Pref ON
	EO with Audio Codec Pref ON	EO with Audio Codec Pref ON
Г	Early Offer SIP Profile	Default SIP Profile
Г	Lync Failover profile	Default SIP Profile
	Standard SIP Profile	Default SIP Profile
	Standard SIP Profile For Cisco VCS	Default SIP Profile For Cisco Video Communication Server
	Standard SIP Profile For TelePresence Conferencing	Default SIP Profile For Cisco TelePresence Conferencing
	Standard SIP Profile for EXUM FAX	Default SIP Profile for EXUM FAX
	Standard SIP Profile for PRACK required	Default SIP Profile for PRACK required
	Standard SIP Profile for PRACK supported	Default SIP Profile for PRACK supported
	Standard SIP Profile with FQDN in SIP Requests	Default SIP Profile
Add N	ew Select All Clear All Delete Selected	
	ew   Select All   Clear All   Delete Selected	



#### Standard SIP Profile

Cisco Unified CM Administration For Cisco Unified Communications Solutions		Navigation Cisco Unified CM Administrat
System - Call Routing - Media Resources - Advanced Features - D	Jevice 🗸 Application 👻 User Management 👻 Bulk Administ	
SIP Profile Configuration		Related Links: Back To Find/List
🗋 Copy 🎦 Reset 🧷 Apply Config 🔓 Add New		
🖵 Status —		
i Status: Ready		
All SIP devices using this profile must be restarted before any c	hanges will take affect.	
•		
SIP Profile Information		
	Standard SIP Profile	
Description	Default SIP Profile	
Default MTP Telephony Event Payload Type*	101	
Early Offer for G.Clear Calls*	Disabled 🗸	
SDP Session-level Bandwidth Modifier for Early Offer and Re-invites <sup>3</sup> User-Agent and Server header information*		
Accept Audio Codec Preferences in Received Offer*	Send Unified CM Version Information as User-Ager	
Dial String Interpretation*	Default 🗸	
	Phone number consists of characters 0-9, *, #, and	
Redirect by Application		
Disable Early Media on 180		
Outgoing T.38 INVITE include audio mline		
Enable ANAT		
Require SDP Inactive Exchange for Mid-Call Media Change		
Use Fully Qualified Domain Name in SIP Requests		
Assured Services SIP conformance		
← Parameters used in Phone ───		
Timer Invite Expires (seconds)*		
Timer Register Delta (seconds)* 5		
Timer Register Expires (seconds)* 3600		
Timer T1 (msec)*		
Timer T2 (msec)* 4000		

Debes TAB (TTC *		_
Retry INVITE*	6	
Retry Non-INVITE*	10	
Start Media Port*	16384	
Stop Media Port*	32766	
Call Pickup URI*	x-cisco-serviceuri-pickup	_
Call Pickup Group Other URI*	x-cisco-serviceuri-opickup	_
Call Pickup Group URI*	x-cisco-serviceuri-gpickup	
Meet Me Service URI*	x-cisco-serviceuri-meetme	_
User Info*	None	¥
DTMF DB Level*	Nominal	¥
Call Hold Ring Back*	Off	¥
Anonymous Call Block*	Off	¥
Caller ID Blocking*	Off	¥
Do Not Disturb Control*	User	¥
Telnet Level for 7940 and 7960*	Disabled	¥
Resource Priority Namespace	< None >	¥
Timer Keep Alive Expires (seconds)*	120	
Timer Subscribe Expires (seconds) $^{st}$	120	
Timer Subscribe Delta (seconds)*	5	
Maximum Redirections*	70	_
Off Hook To First Digit Timer (milliseconds)*	15000	
Call Forward URI*	x-cisco-serviceuri-cfwdall	
Speed Dial (Abbreviated Dial) $URI^{*}$	x-cisco-serviceuri-abbrdial	

Conference Join Enabled		
RFC 2543 Hold		
Semi Attended Transfer		
Enable VAD		
Stutter Message Waiting		
MLPP User Authorization		
Normalization Script		
Normalization Script < None >	~	
Enable Trace		
Parameter Name	Parameter Value	
Incoming Requests FROM URI Settings		
Caller ID DN		



Trunk Specific Configuration		
Reroute Incoming Request to new Trunk based on*		
		✓
RSVP Over SIP*	Local RSVP	V
Resource Priority Namespace List	< None >	v
Fall back to local RSVP		
SIP Rel1XX Options*	Disabled	▼
Video Call Traffic Class*	Mixed	<b>v</b>
Calling Line Identification Presentation*	Default	v
Deliver Conference Bridge Identifier		
Early Offer support for voice and video calls (ins	ert MTP if needed)	
Send send-receive SDP in mid-call INVITE		
Allow Presentation Sharing using BFCP		
Allow iX Application Media		
Allow Passthrough of Configured Line Device Ca	ller Information	
Reject Anonymous Incoming Calls		
Reject Anonymous Outgoing Calls		
SIP OPTIONS Ping		
_		
Enable OPTIONS Ping to monitor destination sta		
Ping Interval for In-service and Partially In-service		
Ping Interval for Out-of-service Trunks (seconds)*	120	
Ping Retry Timer (milliseconds)*	500	
Ping Retry Count*	6	
- Copy Reset Apply Config Add New	а	
- Copy Reset Apply Config Add New		

(i) \*- indicates required item.



#### Standard SIP Profile for PRACK supported

diala cisco	Cisco Unified CM A					vigation Cisco Unified CM	Administratic About
System 👻	Call Routing 👻 Media Resources 👻	Advanced Features - De	evice 🔻 Application 👻 User Ma	nagement 🔻 Bulk Administr	ration 🔻 Help 👻		
SIP Profi	le Configuration					Related Links: Back To	Find/List
Save	🗶 Delete 📋 Copy 睯 Res	et 🧷 Apply Config 🕂	Add New				
Status -	is: Ready						
X	IP devices using this profile must b						
	IP devices using this profile must b	be restarted before any ch	anges will take affect.				
- SIP Pro	file Information						
Name*			Standard SIP Profile for PRAC	K supported			
Descriptio	n		Default SIP Profile for PRACK	supported			
Default M	TP Telephony Event Payload Type*	*	101				
Early Offe	er for G.Clear Calls*		Disabled	~			
SDP Sess	ion-level Bandwidth Modifier for Ea	arly Offer and Re-invites*	TIAS and AS	*			
User-Age	nt and Server header information*		Send Unified CM Version Info	mation as User-Ager 💌			
Accept Au	idio Codec Preferences in Received	d Offer*	Default	~			
Dial Strin	g Interpretation*		Phone number consists of cha	racters 0-9, *, #, an 🔽			
Redire	ect by Application						
Disabl	e Early Media on 180						
Outgo	ing T.38 INVITE include audio mline	e					
Enable	ANAT						
Requi	re SDP Inactive Exchange for Mid-O	Call Media Change					
Use Fi	ully Qualified Domain Name in SIP	Requests					
Assure	ed Services SIP conformance						
	t trat						
	ters used in Phone	180					
Timer Re	gister Delta (seconds)*	5					
Timer Re	gister Expires (seconds)*	3600					
Timer T1	(msec)*	500					
Timer T2	(msec)*	4000					

Retry INVITE*	6	
Retry Non-INVITE*	10	
Start Media Port*	16384	
Stop Media Port*	32766	
Call Pickup URI*	x-cisco-serviceuri-pickup	
Call Pickup Group Other URI*	x-cisco-serviceuri-opickup	
Call Pickup Group URI*	x-cisco-serviceuri-gpickup	
Meet Me Service URI*	x-cisco-serviceuri-meetme	
User Info*	None	~
DTMF DB Level*	Nominal	~
Call Hold Ring Back*	Off	~
Anonymous Call Block*	Off	*
Caller ID Blocking*	Off	~
Do Not Disturb Control*	User	~
Telnet Level for 7940 and 7960*	Disabled	*
Resource Priority Namespace	< None >	~
Timer Keep Alive Expires (seconds)*	120	
Timer Subscribe Expires (seconds)*	120	
Timer Subscribe Delta (seconds)*	5	
Maximum Redirections*	70	
Off Hook To First Digit Timer (milliseconds)	* 15000	
Call Forward URI*	x-cisco-serviceuri-cfwdall	
Speed Dial (Abbreviated Dial) URI*	x-cisco-serviceuri-abbrdial	

Conference Join Enabled	
RFC 2543 Hold	
Semi Attended Transfer	
Enable VAD	
Stutter Message Waiting	
MLPP User Authorization	
Normalization Script	
Normalization Script	
Normalization Script < None >	×
Enable Trace	
Parameter Name	Parameter Value
1	
Incoming Requests FROM URI Settings	
Caller ID DN	
Caller Name	

Trunk Specific Configuration					
Reroute Incoming Request to new Trunk based on*	Never	*			
RSVP Over SIP*	Local RSVP	*			
Resource Priority Namespace List	< None >	*			
Fall back to local RSVP					
SIP Rel1XX Options*	Send PRACK if 1xx Contains SDP	~			
Video Call Traffic Class*	Mixed	*			
Calling Line Identification Presentation*	Default	*			
Deliver Conference Bridge Identifier					
Early Offer support for voice and video calls (ins	ert MTP if needed)				
Send send-receive SDP in mid-call INVITE					
Allow Presentation Sharing using BFCP					
Allow iX Application Media					
Allow Passthrough of Configured Line Device Ca	ler Information				
Reject Anonymous Incoming Calls					
Reject Anonymous Outgoing Calls					
SIP OPTIONS Ping					
Enable OPTIONS Ping to monitor destination sta	tus for Trunks with Service Type "None (Default)"				
Ping Interval for In-service and Partially In-service			7		
Ping Interval for Out-of-service Trunks (seconds)*	120		1		
Ping Retry Timer (milliseconds)*	500		]		
Ping Retry Count*	6		]		
	L		_		
- Save Delete Copy Reset Apply Co	nfig Add New				

(i) \*- indicates required item.



#### Standard SIP Profile with FQDN in SIP requests

Systen  Cal Round  Very Very Cal Round  Very Very Very Very Very Very Very Very	cisco	Cisco Unified CM Ad					Ni administrator	avigation Cisco Unified CM Administra
Save Save     Status	System 👻	Call Routing 👻 Media Resources 👻	Advanced Features 👻 De	evice 👻 Application 👻 User Ma	nagement 👻 🛛 Bulk Admini	stration 👻 Help 👻		
Status         Status: Ready         All SIP devices using this profile must be restarted before any changes will take affect.         SIP Profile Information         Name*         Description         Default SIP Profile         Diable Server hader information*         Default Superstation*         Default Superstation*         Default Superstation*         Diable Server Media on 180         Outgoing T.33 INVITE include audio mline         Bable ANAT         Required For SIP URI Dialing         Assured Services SIP conformance         Parameters used in Phone         Timer Register SDP Inactive Exclamation in SIP Requestation         Second Sife Conformance         Parameters used in Phone <td>SIP Profi</td> <td>le Configuration</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Related Links: Back To Find/List</td>	SIP Profi	le Configuration						Related Links: Back To Find/List
Status: Ready All SIP devices using this profile must be restarted before any changes will take affect.   SIP Profile Information   Name*   Description   Default SIP Profile   Default SIP Pr	Save	X Delete 🗋 Copy 資 Rese	et 🧷 Apply Config 🕂	Add New				
Name*       Standard SIP Profile with FQDN in SIP Requests         Description       Default SIP Profile         Default MTP Telephony Event Payload Type*       101         Early Offer for G. Clear Calls*       Disabled         SDP Session-level Bandwidth Modifier for Early Offer and Re-invites*       TIAS and AS         User-Agent and Server header information*       Send Unified CM Version Information as User-Ager V         Accept Audio Codec Preferences in Received Offer*       Default         Dial String Interpretation*       Phone number consists of characters 0-9, *, #, and V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, and V         Diad String Interpretation       Phone number consists of characters 0-9, *, #, and V         Diad String Interpretation       Phone number consists of characters 0-9, *, #, and V         Diads Early Media on 180       Outgoing T.38 INVITE include audio mline         Enable ANAT       Require SDP Inactive Exchange for Mid-Call Media Change         V use Fully Qualified Domain Name in SIP Requests       Required for SIP URI Dialing         Assured Services SIP conformance       Timer Invite Expires (seconds)*         Parameter sused in Phone       180         Timer Invite Expires (seconds)*       500         Timer Register Delta (seconds)*       500         Timer Invite Expires (seconds	i Statu		e restarted before any ch	anges will take affect.				
Description       Default SIP Profile         Default MTP Telephony Event Payload Type*       101         Early Offer for G.Clear Calls*       Disabled         SDP Session-level Bandwidth Modifier for Early Offer and Re-invites*       TIAS and AS         Vger.Agent and Server header information*       Send Unified CM Version Information as User-Ager M         Accept Audio Codec Preferences in Received Offer*       Default         Dial String Interpretation*       Phone number consists of characters 0-9, *, #, ant M         Dial String Interpretation*       Phone number consists of characters 0-9, *, #, ant M         Outgoing T.38 INVITE include audio mline       Enable ANAT         Requires DP Inactive Exchange for Mid-Call Media Change       Wide Fully Qualified Domain Name in SIP Requests         V Use Fully Qualified Domain Name in SIP Requests       Required for SIP URI Dialing         Assured Services SIP Conformance       Iso         Timer Invite Expires (seconds)*       Iso         Timer Register Delta (seconds)*       S         Timer Register Expires (seconds)*       S00         Timer Tot **       S00		file Information				_		
Default MTP Telephony Event Payload Type*       101         Early Offer for G.Clear Calls*       Disabled       V         SDP Session-level Bandwidth Modifier for Early Offer and Re-invites*       TIAS and AS       V         User-Agent and Server header information*       Send Unified CM Version Information as User-Ager V         Accept Audio Codec Preferences in Received Offer*       Default       V         Dial String Interpretation*       Phone number consists of characters 0-9, *, #, ant V       V         Dial String Interpretation *       Phone number consists of characters 0-9, *, #, ant V       V         Dial String Interpretation *       Phone number consists of characters 0-9, *, #, ant V       V         Dial String Interpretation *       Phone number consists of characters 0-9, *, #, ant V       V         Dial String Interpretation *       Phone number consists of characters 0-9, *, #, ant V       V         Dial String Interpretation *       Phone number consists of characters 0-9, *, #, ant V       V         Diable Early Media on 180       Outgoing T.38 INVITE include audio mline       Secure Superson Super				Standard SIP Profile with FQD	N in SIP Requests			
Early Offer for G.Clear Calls*       Disabled         SDP Session-level Bandwidth Modifier for Early Offer and Re-invites*       TIAS and AS         User-Agent and Server header information*       Send Unified CM Version Information as User-Ager V         Accept Audio Codec Preferences in Received Offer*       Default         Dial String Interpretation*       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Dial String Interpretation       Phone number consists of characters 0-9, *, #, ant V         Outgoing T.33 INVITE include audio mline       Phone number consist of thot SIP UNI Dialing				Default SIP Profile				
SDP Session-level Bandwidth Modifier for Early Offer and Re-invites*   TIAS and AS   User-Agent and Server header information*   Send Unified CM Version Information as User-Ager   Accept Audio Codec Preferences in Received Offer*   Default   Dial String Interpretation*   Phone number consists of characters 0-9, *, ≠, ant ∨   Redirect by Application   Disable Early Media on 180   Outgoing T.38 INVITE include audio mline   Enable ANAT   Require SDP Inactive Exchange for Mid-Call Media Change   V Use Fully Qualified Domain Name in SIP Requests   Assured Services SIP conformance     Parameters used in Phone   Timer Invite Expires (seconds)*   180   Timer Register Delta (seconds)*   500   Timer Register Expires (seconds)*   500			ĸ	101				
User-Agent and Server header information* Send Unified CM Version Information as User-Ager ¥ Accept Audio Codec Preferences in Received Offer* Default Default Default Default Phone number consists of characters 0-9, *, ≠, ant ¥ Diasble Early Media on 180 Outgoing T.38 INVITE include audio mline Enable ANAT Require SDP Inactive Exchange for Mid-Call Media Change V Use Fully Qualified Domain Name in SIP Requests Assured Services SIP conformance Parameters used in Phone Timer Invite Expires (seconds)* 180 Timer Register Delta (seconds)* 5 Timer Register Expires (seconds)* 5 Timer Register Expires (seconds)* 5 Timer T1 (msec)* 500				Disabled	1	•		
Accept Audio Codec Preferences in Received Offer* Default Defa				TIAS and AS	1	•		
Dial String Interpretation*     Phone number consists of characters 0-9, *, #, and *       Redirect by Application     Disable Early Media on 180       Outgoing T.38 INVITE include audio mline     Disable Early Media on 180       Require SDP Inactive Exchange for Mid-Call Media Change     Required for SIP URI Dialing       V Use Fully Qualified Domain Name in SIP Requests     Required for SIP URI Dialing       Assured Services SIP conformance     Timer Invite Expires (seconds)*       Imar Register Delta (seconds)*     5       Timer Register Delta (seconds)*     500       Timer T1 (mse)*     500	User-Age	nt and Server header information*		Send Unified CM Version Info	rmation as User-Ager Ň	•		
Indext definition     Image: Indext definition </td <td></td> <td></td> <td>d Offer*</td> <td>Default</td> <td>1</td> <td></td> <td></td> <td></td>			d Offer*	Default	1			
□ Disable Early Media on 180         □ Outgoing T.38 INVITE include audio mline         □ Enable ANAT         □ Require SDP Inactive Exchange for Mid-Call Media Change         ☑ Use Fully Qualified Domain Name in SIP Requests         □ Assured Services SIP conformance             Parameters used in Phone             Timer Invite Expires (seconds)*         180         Timer Register Delta (seconds)*         500         Timer T1 (msec)*	Dial String	g Interpretation*		Phone number consists of cha	racters 0-9, *, #, and 🔨	•		
□ Outgoing T.38 INVITE include audio mline         □ Enable ANAT         □ Require SDP Inactive Exchange for Mid-Call Media Change         □ Use Fully Qualified Domain Name in SIP Requests         □ Assured Services SIP conformance             Parameters used in Phone             Timer Invite Expires (seconds)*         180         Timer Register Delta (seconds)*         5         Timer Rigister Expires (seconds)*         3600         Timer 1 (msec)*	Redire	ect by Application						
□ Enable ANAT         □ Require SDP Inactive Exchange for Mid-Call Media Change         □ Use Fully Qualified Domain Name in SIP Requests         □ Assured Services SIP conformance             Parameters used in Phone             Timer Invite Expires (seconds)*         180         Timer Register Delta (seconds)*         5         Timer Register Expires (seconds)*         3600         Timer 1 (msec)*	🗌 Disabl	e Early Media on 180						
Require SDP Inactive Exchange for Mid-Call Media Change   Use Fully Qualified Domain Name in SIP Requests   Required for SIP URI Dialing   Assured Services SIP conformance     Parameters used in Phone   Timer Invite Expires (seconds)*   180   Timer Register Delta (seconds)*   5   Timer Register Expires (seconds)*   3600   Timer 11 (msec)*   500	Outgo	ing T.38 INVITE include audio mline	e					
Image: Seconds in Plane       Required for SIP URI Dialing         Parameters used in Phone       Image: Seconds in Plane         Timer Invite Expires (seconds)*       180         Timer Register Delta (seconds)*       5         Timer Register Expires (seconds)*       3600         Timer 11 (msec)*       500	Enable	e ANAT						
Assured Services SIP conformance  Parameters used in Phone Timer Invite Expires (seconds)* IB0 Timer Register Delta (seconds)* 5 Timer Register Expires (seconds)* 3600 Timer T1 (msec)* 500	Require SDP Inactive Exchange for Mid-Call Media Change							
Parameters used in Phone       Timer Invite Expires (seconds)*       180       Timer Register Delta (seconds)*       5       Timer Register Expires (seconds)*       3600       Timer T1 (msec)*       500	Vuse Fully Qualified Domain Name in SIP Requests			Required for SIP URI Dialing				
Timer Invite Expires (seconds)*     180       Timer Register Delta (seconds)*     5       Timer Register Expires (seconds)*     3600       Timer T1 (msec)*     500	Assure	Assured Services SIP conformance						
Timer Invite Expires (seconds)*     180       Timer Register Delta (seconds)*     5       Timer Register Expires (seconds)*     3600       Timer T1 (msec)*     500	Damana	tere used in Dhene						
Timer Register Delta (seconds)*     5       Timer Register Expires (seconds)*     3600       Timer T1 (msec)*     500			180					
Timer Register Expires (seconds)* 3600 Timer T1 (msec)* 500	Timer Reg	gister Delta (seconds)*						
Timer T1 (msec)* 500								
			4000					

Retry Non-INVITE*       10         Start Hedia Port*       12384         Stop Media Port*       12384         Stop Media Port*       12384         Stop Media Port*       12384         Stop Media Port*       12384         Call Pickup Group Other UR1*       x-cisco-serviceuri-pickup         Call Pickup Group Other UR1*       x-cisco-serviceuri-pickup         Call Pickup Group Other UR1*       x-cisco-serviceuri-pickup         Meet Me Service UR1*       x-cisco-serviceuri-pickup         Call Pickup Group Other UR1*       x-cisco-serviceuri-pickup         Oth Pob Level*       None         OTH Pob Level*       None         Other Other UR1*       x-cisco-serviceuri-pickup         Call Hold Ring Back*       Off         Call Pickup Group Other UR1*       x-cisco-serviceuri-meetme         Verifies       Off       Verifies         Caller D Blocking*       Disabled       Verifies         Resource Priority Namespace       < None >       Verifies         Timer Subscribe Deta (seconds)*       120       Sonooo	Retry INVITE*	6		
Stop Media Part* 32766   Call Pickup Group Other UR1* x-cisco-serviceuri-pickup   Call Pickup Group UR1* x-cisco-serviceuri-pickup   Call Pickup Group UR1* x-cisco-serviceuri-pickup   Heck Ne Service UR1* x-cisco-serviceuri-meetme   User Info* None   DTHF DB Level* Noninal   Call Hold King Back* Off   Anonymous Call Block* Off   Off V   Call Hold King Back* Off   Anonymous Call Block* Off   O Not District Control* User   Telnet Level for 7940 and 7950* Disabled   Resource Priority Namespace None   Timer Subscribe Expires (seconds)* 120   Timer Subscribe Dela (seconds)* 5   Maximum Redirections* 70   Off Hook To First Dipit Timer (milliseconds)* 15000   Call Forward UR1* x-cisco-serviceuri-abbrdial   V Conference Join Enabled x-cisco-serviceuri-abbrdial   I Stutter Message Waiting MLPP User Authorization   Normalization Script * None >   Normalization Script * Parameter Value   I Enable Trace Parameter Value   I Enable Trace Parameter Value	Retry Non-INVITE*	10		
Call Pickup UR1*	Start Media Port*	16384		
Call Pickup Group Other UR1* Call Pickup Group Other UR1* Call Pickup Group Other UR1* Call Pickup Group UR1* V-disco-serviceuri-gpickup Call Pickup Group UR1* V-disco-serviceuri-gpickup DTMF DB Level* None User Info* None OTH DB Level* Nominal Call Hold Ring Back* Off Caller DD Blocking* Off Of Do Not Disturb Control* User Timer Keep Allve Expires (seconds)* 120 Timer Subscribe Data (seconds)* 120 Timer Subscribe Data (seconds)* S Maximum Redirections* Off Abox To First Digit Timer (milliseconds)* Speed Dial (Abbreviated Dial) UR1* V-disco-serviceuri-abbrdial Call Food Transfer Enabled Rec 243 Hold Subter Message Waiting MuPP User Authorization Call Pickup Group Call To DM Call Pickup Group Call To DM Call Pickup Group Gr	Stop Media Port*		-	
Call Pickup Group Other UR1*   c-disco-serviceuri-opickup  Call Pickup Group UR1*   v-cisco-serviceuri-meetme  User Info*   None  DTMF DB Level*  None  Off  Call Hold Ring Back*  Off  Call Hold Ring Back*  Off  Call Hold Ring Back*  Off  Call FD Boking*  Off  Do Not Disturb Control*  User  Off  Call FD Boking*  Off  Do Not Disturb Control*  User  Tente Level for 7940 and 7960*  Disabled  Kone >   Timer Keep Alive Expires (seconds)*  120  Timer Subscribe Expires (seconds)*  120  Call Forward UR1*  x-sisco-serviceuri-offwdall  Speed Dial (Abbreviated Dial) UR1*  x-sisco-serviceuri-offwdall  Speed Dial (Abbreviated Dial) UR1*  x-sisco-serviceuri-offwdall  Socoffreence Join Enabled RFC 2543 Hold  Meanum Restards Script  Normalization Script  Normalization Script  Normalization Script  Normalization Script  Normalization Script  Caller ID DM  Caller ID DM	Call Pickup URI*			
Call Pickup Group URI*	Call Pickup Group Other URI*			
Meet Me Service URI*       x-cisco-serviceuri-meetme         User Info*       None         DTMF DB Level*       Nominal         Call Hold Ring Back*       Off         Anonymous Call Block*       Off         Caller ID Blocking*       Off         Do No Disturb Control*       User         Besource Priority Namespace       < None >         Timer Keep Alive Expires (seconds)*       120         Timer Subscribe Expires (seconds)*       120         Timer Subscribe Expires (seconds)*       120         Timer Subscribe Delta (seconds)*       120         Off Hook To First Digit Timer (milliseconds)*       15000         Call Forward UR1*       x-cisco-serviceuri-cfwdall         Speed Dial (Abbreviated Dial) UR1*       x-cisco-serviceuri-abbrdial         V Conference Join Enabled       -         Stutter Message Waiting       -         Subalter Message Waiting       -         Nummalization Script       None >         Normalization Script       None >         Normalization Script       None >         Immer Stable FROM URI Settings       -         Caller ID DN       -	Call Pickup Group URI*		-	
User Info*       None         DTMF DB Level*       Nominal         Call Hold Ring Back*       Off         Anonymous Call Block*       Off         Caller ID Blocking*       Off         Do Not Disturb Control*       User         Resource Priority Namespace       < None >         Timer Keep Alive Expires (seconds)*       120         Timer Subscribe Expires (seconds)*       120         Timer Subscribe Delta (seconds)*       5         Maximum Redirections*       70         Off Hook To First Digit Timer (milliseconds)*       15000         Call Forward UR1*       x-cisco-serviceuri-dburdial         Speed Dial (Abbrevisted Dial) UR1*       x-cisco-serviceuri-abbrdial         If Conference Join Enabled       NOP         Stutter Message Waiting       Image: Stutter Message Waiting         MuPP User Authorization       Image: Parameter Name         Normalization Script       Normalization Script         Normalization Script       Parameter Name         Image: ID DN       Image: ID DN			=	
DTMF DB Level* Nominal Call Hold Ring Back* Off Call Hold Ring Back* Off Anonymous Call Block* Off Off Of Of O Not Disturb Control* User Telnet Level for 7940 and 7960* Disabled Resource Priority Namespace < None > Timer Kuep Alive Expires (seconds)* 120 Timer Subscribe Expires (seconds)* 120 Timer Subscribe Delta (seconds)* 1500 Call Forward UR1* K-cisco-serviceuri-cfwdall Speed Dial (Abbreviated Dial) UR1* K-cisco-serviceuri-abbrdial  Call Forward UR1* Conservice Addition Script Conference Join Enabled RFC 2543 Hold Sutter Message Waiting MLPP User Authorization  Normalization Script Normalization Script Parameter Name Parameter Value  Caller ID DN	User Info*		~	
Anonymous Call Block* Off Caller ID Blocking* Off Off Po Not Disturb Control* User V Tehot Lovel for 7940 and 7960* Disabled V Resource Priority Namespace None > V Timer Keep Alive Expires (seconds)* 120 Timer Subscribe Expires (seconds)* 120 Timer Subscribe Delta (seconds)* 5 Maximum Redirections* 70 Off Hook To First Digit Timer (milliseconds)* 15000 Call Forward UR1* ×-cisco-serviceuri-cfwdall Speed Dial (Abbreviated Dial) UR1* ×-cisco-serviceuri-abbrdial V Conference Join Enabled REC 2543 Hold Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script Normalization Script Normalization Script Caller Tace Parameter Name Parameter Value 1 Inconing Requests FROM URI Settings Caller ID DN	DTMF DB Level*		_	
Caller ID Blocking* Off Of Of Of O Not Disturb Control* User Telnet Level for 7940 and 7960* Disabled Resource Priority Namespace None > None	Call Hold Ring Back*		_	
Caller ID Blocking* Off   Do Not Disturb Control* User   Telhet Level for 7940 and 7960* Disabled   Resource Priority Namespace < None >   Timer Keep Alive Expires (seconds)* 120   Timer Subscribe Expires (seconds)* 120   Timer Subscribe Delta (seconds)* 5   Maximum Redirections* 70   Off Hook To First Digit Timer (milliseconds)* 15000   Call Forward UR1* x-cisco-serviceuri-cfwdall   Speed Dial (Abbreviated Dial) UR1* x-cisco-serviceuri-abbrdial <b>Orderence</b> Join Enabled    Stutter Message Waiting    Stutter Message Waiting   Normalization Script   Incoming Requests FROM URI Settings	Anonymous Call Block*		_	
Telhet Level for 7940 and 7950*       Disabled         Resource Priority Namespace       < None >         Timer Keep Alive Expires (seconds)*       120         Timer Subscribe Expires (seconds)*       5         Maximum Redirections*       70         Off Hook To First Digit Timer (milliseconds)*       15000         Call Forward URI*       x-cisco-serviceuri-cfwdall         Speed Dial (Abbreviated Dial) URI*       x-cisco-serviceuri-abbrdial         Image: Conference Join Enabled       RFC 2543 Hold         Image: Second Script       Image: Second Sec	Caller ID Blocking*	Off		
Resource Priority Namespace       < None >         Timer Keep Alive Expires (seconds)*       120         Timer Subscribe Expires (seconds)*       120         Timer Subscribe Delta (seconds)*       5         Maximum Redirections*       70         Off Hook To First Digit Timer (milliseconds)*       15000         Call Forward UR1*       x-cisco-serviceuri-cfwdall         Speed Dial (Abbreviated Dial) UR1*       x-cisco-serviceuri-abbrdial            Ø Conference Join Enabled <ul> <li>RFC 2543 Hold</li> <li>Ø Semi Attended Transfer</li> <li>Enable VAD</li> <li>Stutter Message Waiting</li> <li>MLPP User Authorization</li> </ul> Normalization Script       Normalization Script         Normalization Script       Parameter Name         Parameter Name       Parameter Value         1           Caller ID DN	Do Not Disturb Control*	User	~	
Timer Keep Alive Expires (seconds)*  I20 Timer Subscribe Expires (seconds)*  S Maximum Redirections*  70 Off Hook To First Digit Timer (milliseconds)*  Seed Dial (Abbreviated Dial) URI*  Conference Join Enabled  RFC 2543 Hold  Semi Attended Transfer  Enable VAD  Stutter Message Waiting  MLPP User Authorization  Normalization Script  Normalization Script  I  I  Tacoming Requests FROM URI Settings  Caller ID DN  I Conference Join Enabled  I  Caller ID DN  I Conference Trace  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I I  I  I I I I I	Telnet Level for 7940 and 7960*	Disabled	~	
Timer Subscribe Expires (seconds)*  Timer Subscribe Delta (seconds)*  Maximum Redirections*  70  Off Hook To First Digit Timer (milliseconds)*  Speed Dial (Abbreviated Dial) URI*  x-cisco-serviceuri-cfwdall  Speed Dial (Abbreviated Dial) URI*  x-cisco-serviceuri-abbrdial  Conference Join Enabled  RFC 2543 Hold  Semi Attended Transfer  Enable VAD  Stutter Message Waiting  MLPP User Authorization  Normalization Script  Normalization Script  Normalization Script  Normalization Script  Parameter Name Parameter Value   I  Incoming Requests FROM URI Settings  Caller ID DN	Resource Priority Namespace	< None >	~	
Timer Subscribe Delta (seconds)* S Maximum Redirections* 70 Off Hook To First Digit Timer (milliseconds)* 15000 Call Forward URI* Speed Dial (Abbreviated Dial) URI* *-cisco-serviceuri-abbrdial  Conference Join Enabled RFC 2543 Hold Semi Attended Transfer Enable VAD Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script Parameter Name Parameter Value  I Incoming Requests FROM URI Settings Caller ID DN	Timer Keep Alive Expires (seconds)*	120		
Maximum Redirections*       70         Off Hook To First Digit Timer (milliseconds)*       15000         Call Forward URI*       x-cisco-serviceuri-cfwdall         Speed Dial (Abbreviated Dial) URI*       x-cisco-serviceuri-abbrdial         Image: Conference Join Enabled       RFC 2543 Hold         Image: Conference Join Enabled       RFC 2543 Hold         Image: Conference Join Enabled       Semi Attended Transfer         Image: Enable VAD       Stutter Message Waiting         Image: MLPP User Authorization       Normalization Script         Normalization Script       None >         Image: Enable Trace       Parameter Name         Image: Parameter Name       Parameter Value         Image: Caller ID DN       Caller ID DN	Timer Subscribe Expires (seconds)*	120		
Off Hook To First Digit Timer (milliseconds)* 15000 Call Forward URI* x-cisco-serviceuri-cfwdall Speed Dial (Abbreviated Dial) URI* x-cisco-serviceuri-abbrdial © Conference Join Enabled RFC 2543 Hold © Semi Attended Transfer Enable VAD Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script < None > Enable Trace Parameter Name Parameter Value 1 Incoming Requests FROM URI Settings Caller ID DN	Timer Subscribe Delta (seconds)*	5		
Call Forward UR1* x-cisco-serviceuri-cfwdall Speed Dial (Abbreviated Dial) UR1* x-cisco-serviceuri-abbrdial  Conference Join Enabled RFC 2543 Hold Seemi Attended Transfer Enable VAD Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script	Maximum Redirections*	70		
Call Forward UR1* x-cisco-serviceuri-cfwdall Speed Dial (Abbreviated Dial) UR1* x-cisco-serviceuri-abbrdial  Conference Join Enabled RFC 2543 Hold Seemi Attended Transfer Enable VAD Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script Normalization Script < None > Enable Trace I I Incoming Requests FROM UR1 Settings Caller ID DN	Off Hook To First Digit Timer (milliseconds)*	15000		
Speed Dial (Abbreviated Dial) URI * x-cisco-serviceuri-abbrdial  Conference Join Enabled RFC 2543 Hold Semi Attended Transfer Enable VAD Stutter Message Waiting MLPP User Authorization Normalization Script Normalization Script Normalization Script < None > Enable Trace Parameter Name Parameter Value  I Caller ID DN Caller ID DN			=	
Conference Join Enabled Confe	Speed Dial (Abbreviated Dial) URI*		-	
RFC 2543 Hold         ✓ Semi Attended Transfer         Enable VAD         Stutter Message Waiting         MLPP User Authorization         Normalization Script         Normalization Script < None >         Enable Trace         Parameter Name         Parameter Name         Parameter Value         1         Incoming Requests FROM URI Settings         Caller ID DN				
✓ Semi Attended Transfer         □Enable VAD         □Stutter Message Waiting         □MLPP User Authorization         Normalization Script         Normalization Script          Normalization Script          Normalization Script         Parameter Name         Parameter Name         Parameter Name         Parameter Value         1         Caller ID DN	Conference Join Enabled			
	RFC 2543 Hold			
Stutter Message Waiting         MLPP User Authorization         Normalization Script         Normalization Script <	Semi Attended Transfer			
MLPP User Authorization         Normalization Script         Normalization Script          Enable Trace         Parameter Name         Parameter Name         Parameter Value         1         Caller ID DN	Enable VAD			
Normalization Script       Normalization Script     Normalization Script       Enable Trace     Parameter Name       1     Parameter Value       1     Image: College of the second secon	Stutter Message Waiting			
Normalization Script < None >	MLPP User Authorization			
Normalization Script < None >     V       Enable Trace     Parameter Value       1     Image: Caller ID DN	- Normalization Script			
		×		
Parameter Name     Parameter Value       1     Image: Caller ID DN				
Incoming Requests FROM URI Settings     Caller ID DN		Parameter Value		
Caller ID DN	1			
Caller ID DN				
		s		



— Trunk Specific Configuration ————————————————————————————————————		
Reroute Incoming Request to new Trunk based on*	Never	
RSVP Over SIP*	Local RSVP	ā
Resource Priority Namespace List	< None >	
Fall back to local RSVP		
SIP Rel1XX Options*	Disabled	
Video Call Traffic Class*	Mixed	
Calling Line Identification Presentation*	Default	
Deliver Conference Bridge Identifier		
Early Offer support for voice and video calls (ins	ert MTP if needed)	
Send send-receive SDP in mid-call INVITE		
Allow Presentation Sharing using BFCP		
Allow iX Application Media		
Allow Passthrough of Configured Line Device Ca	ller Information	
Reject Anonymous Incoming Calls		
Reject Anonymous Outgoing Calls		
- SIP OPTIONS Ping		
-	atus for Trunks with Service Type "None (Default)"	
Ping Interval for In-service and Partially In-service		
Ping Interval for Out-of-service Trunks (seconds)*		
Ping Retry Timer (milliseconds)*		
Ping Retry Count*	500	
	6	
- Save Delete Copy Reset Apply Co	onfig Add New	
(i) *- indicates required item.		



#### SCCP/SIP Phone configurations on the Cisco Unified Call Manager

	co Unified CM Admin					n Cisco Unified CM	
		ced Features ▼ Device ▼ Application ▼ User Manag	ement 👻 Bulk Adminis	stration 👻 Help 🤜		rch Documentatior	n At
	-	controlation + Device + Application + Oser manag	onone • Baix Adminis				
nd and List Pho				_	Related Links: A	ctively Logged In	Device
Add New	Select All 🔛 Clear All 🙀 De	lete Selected 🏻 🎦 Reset Selected 🖉 Apply Config to	Selected				
atus ———							
5 records fou	ind						
Phone (1 - 5	of 5)					Row	is per H
<b>Phone</b> (1 - 5 and Phone where	-	begins with V	Clear Filter			Row	is per l
	-	begins with Select item or enter search text		-		Row	rs per l
	-			Device Protoco	i Status	Row IP Address	
d Phone where	Device Name	Select item or enter search text	▼		I Status Registered with CUCM-ExUM10		
d Phone where	Device Name	Select item or enter search text Description	Device Pool	Device Protoco		IP Address	Cop
d Phone where	Device Name Device Name(Line) SEP001D705F9036	Select item or enter search text Description 7971 SCCP Phone - James Cameroon X4511	Device Pool	Device Protoco	Registered with CUCM-ExUM10	IP Address 172.20.109.57	Copy
d Phone where	Device Name Device Name(Line) SEP001D705F9036 SEP0023339CA1C5	Select item or enter search text Description 7971 SCCP Phone - James Cameroon X4511 7975 SIP Phone - John Smith x4511	Device Pool <u>q711devicepool</u> Default	Device Protoco SCCP SIP	Registered with CUCM-ExUM10 Unknown	IP Address <u>172.20.109.57</u> Unknown	Copy
d Phone where	Device Name Device Name(Line) SEP001D705F9036 SEP0023339CA1C5 SEP00235E18F219	Select item or enter search text Description 7971 SCCP Phone - James Cameroon X4511 7975 SIP Phone - John Smith x4511 7961 SCCP Phone - David Lynch x4512	Device Pool <u>a711devicepool     Default     a711devicepool </u>	Device Protoco SCCP SIP SCCP	Registered with CUCM-ExUM10 Unknown Registered with CUCM-ExUM10	IP Address <u>172.20.109.57</u> Unknown <u>172.20.109.58</u>	Copy Co Co Co Co Co Co Co Co Co Co Co Co Co

#### Device Name: SEP001D705F9036

#### **Device protocol**: SCCP

				Navigation Cisco Unified CM Administratio
cis	Cisco Unified CM Administ			Navigation Cisco Onlined CM Administratio
	For Cisco Unified Communications Sol	lutions		administrator Search Documentation About
System	n ▼ Call Routing ▼ Media Resources ▼ Advanced	Features - Device - Application - User Ma	anagement 👻 Bulk Administration 👻 Help 👻	
Phone	e Configuration		Related	Links: Back To Find/List
<b>1</b>	Save 🗙 Delete 🗋 Copy 🎦 Reset 🧷 Ap	ply Config 🚽 Add New		
- Stat				
-	us Status: Ready			
	Status: Ready			
Ass	ociation Information	Phone Type		
	Modify Button Items	Product Type: Cisco 7971 Device Protocol: SCCP		
1	The Line [1] - \+14083334511 (no partition)	Device Protocol. SccP		
2	Time [2] - Add a new DN	Device Information		
		Registration	Registered with Cisco Unified Communications	Manager CUCM-ExUM10
3	Add a new SD	IP Address	<u>172.20.109.57</u>	
4	Cm Add a new SD	Active Load ID	SCCP70.9-1-1SR1S	
5	Add a new SD	Download Status	Unknown	
-	_	Device is Active		
6	Add a new SD	Device is trusted		<b></b>
7	Add a new SD	MAC Address*	001D705F9036	
8	Add a new SD	Description	7971 SCCP Phone - James Cameroon X4511	
ľ	_	Device Pool*	q711devicepool	View Details
	Add On Module(s)	Common Device Configuration	< None >	View Details
9	Conference	Phone Button Template*		
10	None		SEP001D705F9036-SCCP-Individual Template	
11	None	Softkey Template	Standard User	~
12	None	Common Phone Profile*	Standard Common Phone Profile	✓
13	None	Calling Search Space	< None >	×
14	None	AAR Calling Search Space	< None >	¥
15	None	Media Resource Group List	SJC-MRGL	~
16	None	User Hold MOH Audio Source	1-SampleAudioSource	~
17	None	Network Hold MOH Audio Source		×
18	None	Location*	1-SampleAudioSource	
19	None		Hub_None	►
20	None	AAR Group	< None >	×
21	None	User Locale	< None >	×

22	None	Network Locale	< None >	*	
23	None	Built In Bridge*	Default	~	
24		Privacy*	Default	*	
25		Device Mobility Mode*	Default		View Current Device Mobility Settings
26	None	Owner User ID	< None >	· ·	New Current Device Hobinty Settings
27	None	Phone Personalization*	Default	* *	
28	None	Services Provisioning*			
29	None	Phone Load Name	Default	×	
30	None				
31	None	Single Button Barge	Default	*	
32	None	Join Across Lines	Default	*	
33	None	Use Trusted Relay Point*	Default	*	
34	None	BLF Audible Alert Setting (Phone Id		*	
35	None	BLF Audible Alert Setting (Phone Bu	usy)* Default	*	
36	None	Always Use Prime Line*	Default	~	
	Unassigned Associated Items	Always Use Prime Line for Voice Me	essage* Default	*	
37	Can Add a new SD	Geolocation	< None >	*	
38	Add a new SURL	Retry Video Call as Audio			
39	Add a new BLF SD	Ignore Presentation Indicators	(internal calls only)		
40	The second secon	Allow Control of Device from C	ті		
41	CallBack	Logged Into Hunt Group			
	Call Park	Remote Device			
	Call Pickup	Protected Device****			
44		Hot line Device****			
45	Do Not Disturb				
46	End Call	Require off-premise location			
47	Forward All	Call Routing Information			
	Group Call Pickup	- Inbound Calls			
	Hold	Calling Party Transformation CSS	< None >	~	
50	Hunt Group Logout	Use Device Pool Calling Party			
51	Intercom [1] - Add a new Intercom	Se Device Pool Calling Party	mansion mation C35		
52	Malicious Call Identification	- Outbound Calls			
53		Calling Party Transformation CSS	< None >	$\sim$	
	Mobility	Use Device Pool Calling Party	Transformation CSS		
	New Call				
	Other Pickup Quality Reporting Tool	- Protocol Specific Information			
	Redial	Packet Capture Mode*	None	*	
	Remove Last Participant	Packet Capture Duration	0		
	Transfer	BLF Presence Group*	Standard Presence group	*	
	Video Mode	Device Security Profile*	Cisco 7971 - Standard SCCP Non-Secure Profile		
62	Queue Status	SUBSCRIBE Calling Search Space		*	
63	Privacy	Unattended Port			
64	None				
		Require DTMF Reception			
		RFC2833 Disabled			
		Certification Authority Proxy	Eurotion (CARE) Information		
			Pending Operation	•	
			Iull String		
		Authentication String			
		Generate String			
		Key Size (Bits)*	4		
		Certificate Operation Status: None	11 15 12 (YYYY:MM:DD:HH)		
		Note: Security Profile Contains Add			

<ul> <li>Expansion Module</li> <li>Module 1</li> </ul>	< 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	
00111000	
Authentication Server	
Desire Carries	
Proxy Server	
Idle	
1010	
Idle Timer (seconds)	
Secure Authentication URL	
Secure Directory URL	
Secure Directory OKE	
Secure Idle URL	
Secure Information URL	
Secure Messages URI	
Secure Messages URL	
Secure Services URL	
000010 00111000 0112	

#### Extension Information -

Enable Exte	nsion Mobility	
Log Out Profile	Use Current Device Settings	~
Log in Time	< None >	
Log out Time	< None >	

- MLPP Informatio		
	< None >	*
MLPP Indication*	Default	~
MLPP Preemption*	Default	*

_	- Do Not Disturb		
	Do Not Disturb		
	DND Option*	Use Common Phone Profile Setting	*
	DND Incoming Call Alert	< None >	*

1	— Secure Shell Inform	ation	
I			
I	Secure Shell User		
I			
I			
I	Secure Shell Password		
I			

Product Specific Configuration Layout ————	?	Param	Override Comm Settings
Disable Speakerphone			
Disable Speakerphone and Headset			
Forwarding Delay*	Disabled	*	
PC Port *	Enabled	*	
Settings Access*	Enabled	~	
Gratuitous ARP*	Disabled	~	
PC Voice VLAN Access*	Enabled	~	
Video Capabilities*	Disabled	~	
Auto Line Select*	Disabled	~	
Web Access*	Disabled	~	
Days Display Not Active	Sunday	~	
	Monday Tuesday	~	
Display On Time	07:30		

Display On Duration	10:30	
Display Idle Timeout	01:00	
Enable Power Save Plus	Sunday Monday Tuesday	
Phone On Time	00:00	
Phone Off Time	24:00	
Phone Off Idle Timeout*	60	
Enable Audible Alert		
EnergyWise Domain		
EnergyWise Endpoint Security Secret		
Allow EnergyWise Overrides		
Span to PC Port*	Disabled	
Logging Display*	PC Controlled	
Load Server		
Recording Tone*	Disabled	
Recording Tone Local Volume*	100	
Recording Tone Remote Volume*	50	
Recording Tone Duration		
Display On When Incoming Call*	Disabled 🗸	
RTCP*	Disabled	
"more" Soft Key Timer	5	
Auto Call Select*	Enabled	
Log Server		
Advertise G.722 Codec*	Use System Default	
Wideband Headset UI Control*	Enabled	
Wideband Handset UI Control*	Enabled 💌	
Wideband Headset*	Enabled	
Wideband Handset*	Use Phone Default	
Peer Firmware Sharing*	Enabled	
Cisco Discovery Protocol (CDP): Switch Port*	Enabled	
Cisco Discovery Protocol (CDP): PC Port*	Enabled	
Link Layer Discovery Protocol - Media Endpoint Discover (LLDP-MED): Switch Port*	Enabled	
Link Layer Discovery Protocol (LLDP): PC Port*	Enabled	
LLDP Asset ID		
LLDP Power Priority*	Unknown	
IPv6 Load Server		
IPv6 Log Server		
802.1x Authentication*	User Controlled	

Detect Unified CM Connection Failure*	Normal	*
Minimum Ring Volume*	0-Silent	*
Headset Sidetone Level*	Use Phone Default	~
HTTPS Server*	http and https Enabled	~
Enbloc Dialing*	Enabled	*
Switch Port Remote Configuration*	Disabled	~
PC Port Remote Configuration*	Disabled	*
Automatic Port Synchronization*	Disabled	~
SSH Access*	Disabled	*
LOGIN Access*	Enabled	~
FIPS Mode*	Disabled	*
80-bit SRTCP*	Disabled	~

- Save Delete Copy Reset Apply Config Add New -

(i) \*- indicates required item.

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

(i) \*\*\*Note: Security Profile Contains Addition CAPF Settings.

(i) \*\*\*\*Note: A Protected device means it is capable of playing Secure and Non-Secure Tones. When the checkbox is checked, the user will hear a Secure or Non-Secure Tone when the call is connected.

(i) \*\*\*\*\*Note: A custom Softkey template without supplementary service Softkeys must be used for a Hot line Device.



#### Directory Number Information (Line [1]) of SCCP Phone with associated device SEP001D705F9036

Cisco Unified CM Administration       Novquiter       Cisco Unified CM Administration         Syster C Cas Radrog - Main Restances - Advanced Features - Device - Application + User Management - Buk Administration + Hep - P       Intervent Muniter Configuration       Restances - Advanced Features - Device - Application + User Management - Buk Administration + Hep - P         Directory Number Configuration       Related Linke: Configure Device (SEP001D705F000         Imagement - Buk Administration - Hep -         Imagement - Hep -         Imagement - Buk Administration - Hep -         Imagement - Buk Administration - Hep -			
System • Call Routing • Media Resources • Advanced Features • Device • Application • User Management • Buk Administration • Help •   Directory Number Configuration   Related Linkes:   Configure Device (SEP001D703F900   State:   Partice Related V   Prectory Number Information   Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Information Prectory Number Settings Viole Holl Profile Calling Search Space Viole Holl Profile Colling Search Space Viole Hold Presence Group Standard Presence group Viole Hold Nuduk Source & None > Viole Hold Nuduk Source & None > Viole Hold Nuduk Source & None > Viole Add Mold Addio Source			
Directory Number Configuration       Related Links: Configure Device (SEP001D705F003         Save			
Save       Note       Apply Confg       Add New         Status	System	esources - Advanced Features - Device - Application	n 👻 User Management 👻 Bulk Administration 👻 Help 👻
Status:       Ready         Directory Number       Information         Directory Number       I+1408334511         Route Partition       < None >         Description       T971 SCCP Phone - James Cameroon         ASCI1 Alerting Name       James Cameroon         ASCI1 Alerting Name       James Cameroon         ASCI1 Alerting Name       James Cameroon         Valiow Control of Devices       Edit Device         Edit Line Appearance       Edit Line Appearance         Dissociate Devices       (Choose <none> to use system default)         Calling Search Space       &lt; None &gt;         Calling Search Space       &lt; None &gt;         User Hold MOH Audio Source       &lt; None &gt;         Network Hold MOH Audio Source       &lt; None &gt;         Auto Answer*       Auto Answer Off</none>	Directory Number Configurat	ion	Related Links: Configure Device (SEP001D705F90
Directory Number Information Directory Number* (+14083334511)         Route Partition         Allering Name         James Cameroon         Allering Name         Ascil Alering Name         James Cameroon         Ascil Alering Name         James Cameroon         Bassociated Devices         Dissociate Devices         Dissociate Devices         Dissociate Devices         Voice Mail Profile         C None >         Ver Hold MOH Audio Source         None >         Vetwork Hold MOH Audio Source         None >         Network Hold MOH Audio Source         Nato Answer*         Auto Answer Off	🔚 Save 🗙 Delete 省 Rese	et 🧷 Apply Config 🕂 Add New	
Directory Number Information Directory Number*       \u14083334511         Route Partition       < None >         Description       7971 SCCP Phone - James Cameroon         Alerting Name       James Cameroon         ASCI1 Alerting Name       james Cameroon         Vallow Control of Device from CTI Resociated Devices       Edit Device         Edit Line Appearance       Edit Line Appearance         Dissociate Devices          Vice Mail Profile       < None >         Voice Mail Profile       < None >         Calling Search Space       < None >         BLF Presence Group*          Network Hold MOH Audio Source       < None >         Network Hold MOH Audio Source       < None >         Network Hold MOH Audio Source       < None >         Nature Answer*       Auto Answer Off	- Status		
Directory Number* (+14083334511 Route Partition < None > V Description 7971 SCCP Phone - James Cameroon X4511 Alerting Name James Cameroon ASCII Alerting Name James Cameroon ASCII of Devices from CTI Associated Devices SEP001D705F9036 Edit Device Edit Line Appearance Dissociate Devices Dissociate Devices Voice Mail Profile Caling Search Space < None > V BLF Presence Group* BLF Presence Group * Standard Presence group User Hold MOH Audio Source < None > V Network Hold MOH Audio Source < None > V Auto Answer* Auto Answer* Auto Answer * Auto Answer * Auto Answer * Auto Answer *	i Status: Ready		
Directory Number* (+1408333451) Route Partition < None > V Description 7971 SCCP Phone - James Cameroon X4511 Alerting Name James Cameroon ASCII Alerting Name James Cameroon ASCII of Devices from CTI Associated Devices SEP001D705F9036 Edit Device Edit Line Appearance Dissociate Devices Voice Mail Profile < None > V (Choose <none> to use system default) Calling Search Space &lt; None &gt; V BLF Presence Group* Standard Presence group User Hold MOH Audio Source &lt; None &gt; V Auto Answer* Auto Answer* Auto Answer* Auto Answer off</none>	- Directory Number Informati	ion —	
Description   7971 SCCP Phone - James Cameroon X4511   Alerting Name   James Cameroon   ASCI1 Alerting Name   James Cameroon   Vallow Control of Device from CTI   Associated Devices   SEP001D705F9036   Edit Device   Edit Line Appearance   Dissociate Devices   Dissociate Devices   Or the settings   Voice Mail Profile   Voice Mail Profile   Calling Search Space   < None >   SLP Presence Group*   User Hold MOH Audio Source   Vine >   Network Hold MOH Audio Source   Auto Answer*   Auto Answer*   Auto Answer*			
Alerting Name James Cameroon ASCII Alerting Name James Cameroon ASCII Alerting Name James Cameroon Associated Devices form CTI Associated Devices SEP001D705F9036 V A Dissociate Devices Dissociate Dev	Route Partition < None >	►	
ASCII Alerting Name James Cameroon VAllow Control of Device from CTI Associated Devices SEP001D705F9036 Edit Device Edit Line Appearance Dissociate Devices Dissociate Devices Dissocia	Description 7971 SCC	P Phone - James Cameroon X4511	
ASCII Alerting Name James Cameroon  ASCII Alerting Name James Cameroon  Associated Devices SEP001D705F9036  Edit Device Edit Line Appearance  Constrained of the settings  Dissociate Devices  Dissociate Devices  Voice Mail Profile  Calling Search Space  < None >  V (Choose <none> to use system default)  Calling Search Space  &lt; None &gt;  V (Choose <none> to use system default)  Calling Search Space  &lt; None &gt;  V (Choose <none> to use system default)  Calling Search Space  &lt; None &gt;  V user Hold MOH Audio Source  &lt; None &gt;  V Network Hold MOH Audio Source  &lt; None &gt;  V Auto Answer*  Auto Answer Auto Answe</none></none></none>	Alerting Name James Car	meroon	
Image: Control of Device from CTI   Associated Devices   SEP001D705F9036   Edit Device   Edit Line Appearance   Dissociate Devices   Dissociate Devices   Dissociate Devices   Oirectory Number Settings   Voice Mail Profile   Calling Search Space   < None >   Standard Presence group   User Hold MOH Audio Source   < None >   Network Hold MOH Audio Source   < None >   Auto Answer*   Auto Answer Off			
Associated Devices       SEP001D705F9036         Edit Device       Edit Line Appearance         Dissociate Devices       ✓▲         Dissociate Devices       ✓         Voice Mail Profile       < None >         Calling Search Space       < None >         Galling Search Space       < None >         BLF Presence Group*       Standard Presence group       ✓         User Hold MOH Audio Source       < None >       ✓         Network Hold MOH Audio Source       < None >       ✓         Auto Answer**       Auto Answer Off       ✓			
Edit Line Appearance         Dissociate Devices         Dissociate Devices         Directory Number Settings         Voice Mail Profile         Voice Mail Profile         Calling Search Space         < None >         BLF Presence Group*         Standard Presence group         Vuer Hold MOH Audio Source         < None >         Voice Kloid MOH Audio Source         < None >         Auto Answer*			
Dissociate Devices         Dissociate Devices         Dissociate Devices         Directory Number Settings         Voice Mail Profile            Voice Mail Profile            Calling Search Space            Standard Presence group         Vuer Hold MOH Audio Source            Network Hold MOH Audio Source            Auto Answer*         Auto Answer Off		Edit Do	evice
Dissociate Devices          Directory Number Settings         Voice Mail Profile       < None >         Calling Search Space       < None >         Galling Search Space       < None >         BLF Presence Group*       Standard Presence group         User Hold MOH Audio Source       < None >         Network Hold MOH Audio Source       < None >         Auto Answer*       Auto Answer Off		Edit	Line Appearance
Dissociate Devices          Directory Number Settings         Voice Mail Profile       < None >         Calling Search Space       < None >         Galling Search Space       < None >         BLF Presence Group*       Standard Presence group         User Hold MOH Audio Source       < None >         Network Hold MOH Audio Source       < None >         Auto Answer*       Auto Answer Off		¥ A	
Voice Mail Profile       < None >       Choose <none> to use system default)         Calling Search Space       &lt; None &gt;          BLF Presence Group*       Standard Presence group          User Hold MOH Audio Source       &lt; None &gt;          Network Hold MOH Audio Source       &lt; None &gt;          Auto Answer*       Auto Answer Off</none>	Dissociate Devices	•••	
Voice Mail Profile       < None >       Choose <none> to use system default)         Calling Search Space       &lt; None &gt;          BLF Presence Group*       Standard Presence group          User Hold MOH Audio Source       &lt; None &gt;          Network Hold MOH Audio Source       &lt; None &gt;          Auto Answer*       Auto Answer Off</none>			
Voice Mail Profile       < None >       Choose <none> to use system default)         Calling Search Space       &lt; None &gt;          BLF Presence Group*       Standard Presence group          User Hold MOH Audio Source       &lt; None &gt;          Network Hold MOH Audio Source       &lt; None &gt;          Auto Answer*       Auto Answer Off</none>			
Calling Search Space     < None >       BLF Presence Group*     Standard Presence group       User Hold MOH Audio Source     < None >       Network Hold MOH Audio Source     < None >       Auto Answer*     Auto Answer Off	- Directory Number Settings -		
BLF Presence Group*     Standard Presence group       User Hold MOH Audio Source     < None >       Network Hold MOH Audio Source     < None >       Auto Answer*     Auto Answer Off	Voice Mail Profile	< None >	(Choose <none> to use system default)</none>
User Hold MOH Audio Source <a href="https://www.selfabor">None &gt;</a> Network Hold MOH Audio Source <a href="https://www.selfabor">None &gt;</a> Auto Answer *   Auto Answer Off	Calling Search Space	< None >	
Network Hold MOH Audio Source        Auto Answer*     Auto Answer Off	BLF Presence Group*	Standard Presence group	
Auto Answer* Auto Answer Off	User Hold MOH Audio Source	< None >	
	Network Hold MOH Audio Source	< None >	
Reject Anonymous Calls	Auto Answer*	Auto Answer Off	
	Reject Anonymous Calls		

Image: Second and Seco	Directory URIs									
Add flow   AAR Settings  AAR Settings  AAR Settings  AAR Destination flask  AAR Destination  AAR Destination	Primary			URI				Partition		Rem
AAR Sactings AAR Sactings AAR Sactings AAR Sactings AAR Sactings AAR Covered AAR	$\odot$					< None >		~		
Voice Hail AAA Or   AAA Calling Caserich Space K None >   Calling Searich Space Advision Policy Less System Default   Calling Searich Space Advision Policy Less System Default   Forward Lay Tuternal or   Secondary Calling Searich Space (or Forward All C K None >   Forward Lay Tuternal or   Forward Lay Coverage Tuternal or   Forward Lay Cove	Add Row									
Voice Hail AAA Or   AAA Calling Caserich Space K None >   Calling Searich Space Advision Policy Less System Default   Calling Searich Space Advision Policy Less System Default   Forward Lay Tuternal or   Secondary Calling Searich Space (or Forward All C K None >   Forward Lay Tuternal or   Forward Lay Coverage Tuternal or   Forward Lay Cove										
AAR	- AAR Settings		Voice Mail		AAR Dest	ination Mask		-	AAR Group	
Value Name       Value Name       Destination       Calling Search Space Activation Policy         Calling Search Space Activation Policy	AAR	or						< None >		~
Value Name       Value Name       Destination       Calling Search Space Activation Policy         Calling Search Space Activation Policy	Retain this destination		arding history							
Vector Destination Calling Search Space   Galing Search Space Advance Galing Search Space Vise   Forward All Galing Search Space for Forward All Example   Groward Bury Internal Gar Example   Groward Durg Internal Gar			,							
Calling Seach Space Activation Policy  Calling Seach Space Activation Policy  Forward All  Calling Seach Space Activation Policy  Konce >	– Call Forward and Call P	ickup Setting								
Forward All       or       < knone >          Secondary Calling Search Space for Forward All       < knone >       <	Colling Course Acti	unting Deliny	Voice Mail		Destination					
Secondary Calling Search Spee for Forward All Forward Busy Internal or Forward Nanwer Internal or Forward Nanwer Internal or Forward Nanwer Internal or Forward Nanwer External or Forw		vation Policy	_					•		
Forward Busy Internal or   Forward No Answer Internal or   Forward No Coverage Internal or   Forward No Coverage Internal or   Forward No Coverage External or   Forward No Coverage External or   Forward No Coverage Internal or   Forward No Coverage External or   Forward No Coverage External or   Forward No Coverage Internal or   Forward No Coverage Internal or   Forward No Coverage External or   Forward No Coverage Internal or   Forward No Coverage Internal or   Forward No Coverage External or   Forward No Coverage External or   Forward No Rower Ring Duration (seconds)    Tall Pickup Group < None >   Voice None >   Park Honthoring Forward No Retrieve or   Or    Setting Forward No Retrieve or   Or    Setting Forward No Retrieve or   Or    Park Honthoring Reversion Timer @ A blank value will use value set in Park Montoring Reversion Timer service parameter   HLPP Atternate Party Settings    Target (Destings for All Devices    Iute Setting for All Devices    Iute Setting for All Devices </td <td></td>										
Forward Buy External or   Forward No Answer Internal or   Forward No Coverage Internal or   Forward No Retrieve or   Forward No Forward No Retrieve or   Park Monitoring Reversion Timer [ A blank value walue set in Park Monitoring Reversion Timer service pa	· · · · · ·	Space for Forw								
Forward No Answer Internal or   Forward No Answer External or   Forward No Coverage Internal or   Forward No Coverage External or   Forward On CTI Failure or   Forward Internal or   Forward No Coverage External or   Forward No Sectional Internal   Contraction (seconds) Internal   Calling Search Space Internal   Park Monitoring Voice   Multip Calling Forward No Retrieve or   Destination Internal A blank value means to call   Park Monitoring Forward No Retrieve or   Destination Internal A blank value will use value set in Park Monitoring Reversion Timer service parameter   HLPP Alternate Party Settings   Farget (Cestination) Internal   HuPP Calling Search Space Internal   Internal Ring Duration (seconds) Setting the Hold Reversion Nuclificat	Forward Busy Internal		or				<	None >	~	
Forward No Answer External or   Forward No Coverage Internal or   Forward No Coverage External or   Forward Unregistered Internal or   Forward Unregistered External or   Park Monitoring Forward No Retrieve or   Destination External or   Park Monitoring Forward No Retrieve or   Or A blank value means to call parker's line.   Park Monitoring Reversion Timer [or A blank value means to call parker's line.   Park Monitoring Reversion Timer [or A blank value will use value set in Park Monitoring Reversion Timer service parameter   MLPP Alternate Party Settings Image: Setting the Hold Reversion Ring Duration (seconds)   Line Settings for All Devices or   fold Reversion Ring Duration (seconds) o   Setting the Hold Reversion Ring Duration to zero will disable the feature   fold Reversion Ring Duration (seconds) o	Forward Busy External		or				<	None >	~	
Forward No Coverage Internal or   Forward No Coverage External or   Forward No Coverage External or   Forward Unregistered Internal or   Forward Unregistered External or   Park Monitoring Image: Coverage External   Park Monitoring Forward No Retrieve or   Destination External or   Park Monitoring Forward No Retrieve or   Par	Forward No Answer Interr	nal	or				<	None >	~	
Forward No Coverage External   Forward On CTI Failure   Forward Unregistered Internal   or   Forward Unregistered Internal   or   Forward Unregistered External   or   C None >   Vo Answer Ring Duration (seconds)    Park Monitoring  Park Monitoring Forward No Retrieve Or  A blank value means to call parker's line.  Park Monitoring Forward No Retrieve Or  A blank value means to call parker's line.  Park Monitoring Reversion Timer o  A blank value will use value set in Park Monitoring Reversion Timer service parameter  HLPP Alternate Party Settings Farget (Cestination)  LINE Settings for All Devices LINE Settings for All Devices O  A blank value means to call parker's line.  Setting the Hold Reversion Ring Duration (seconds)  C None >  C	Forward No Answer Extern	hal	or				<	None >	~	
Forward on CTI Failure   Forward Unregistered Internal   Or   Forward Unregistered External   Or   Forward Unregistered External   Or   Sextings Duration (seconds)   Calling Search Space    Park Monitoring Forward No Retrieve    Or   Park Monitoring Forward No Retrieve   Or   Sextings For All Devices    HIPP Alternate Party Settings  Ab lank value will use value set in Park Monitoring Reversion Timer service parameter  HIPP Alternate Party Settings	Forward No Coverage Inte	ernal	or				<	None >	~	
Forward Unregistered Internal   or   Forward Unregistered External   or   Forward Unregistered External   or   Calling Search Space     Park Monitoring     Voice   Park Monitoring Forward No Retrieve   Destination   Calling Search Space     Park Monitoring Reversion Timer 0   A blank value will use value set in Park Monitoring Reversion Timer service parameter     MLPP Alternate Party Settings   Target (Destination)   HLPP Calling Search Space     Viola   Destination <td>Forward No Coverage Ext</td> <td>ernal</td> <td>or</td> <td></td> <td></td> <td></td> <td>&lt;</td> <td>None &gt;</td> <td>~</td> <td></td>	Forward No Coverage Ext	ernal	or				<	None >	~	
Forward Unregistered External   or   No Answer Ring Duration (seconds)   Call Pickup Group     Park Monitoring     Voice   Voice   Park Monitoring Forward No Retrieve   Or   Park Monitoring Forward No Retrieve   Or   Park Monitoring Reversion Timer @   A blank value means to call   Park Monitoring Reversion Timer @   A blank value will use value set in Park Monitoring Reversion Timer service parameter     MLPP Alternate Party Settings   rarget (Destination)   MLPP Calling Search Space   Vince     Voice                  The Settings for All Devices   told Reversion Ring Duration (seconds)                                          A blank value means to call parker's line.       Park Monitoring Reversion Timer go and A blank value will use value set in Park Monitoring Reversion Timer service parameter HLPP Alternate Party Settings Target (Destination)   ILLE Settings for All Devices   Tell Reversion Ring Duration (seconds)   Internal    Setting the Hold Reversion Ring Duration to zero will disable the feature Total Reversion Ring Duration Interval to zero will disable the feature Total Reversion Ring Duration Interval (s	Forward on CTI Failure		or				<	None >	~	
Forward Unregistered External or   No Answer Ring Duration (seconds)   Calling Search Space   Park Monitoring Forward No Retrieve   Park Monitoring Forward No Retrieve   Or   Park Monitoring Forward No Retrieve   Or   Park Monitoring Reversion Timer o   A blank value means to call   Park Monitoring Reversion Timer o   A blank value will use value set in Park Monitoring Reversion Timer service parameter	Forward Unregistered Inte	ernal	Oor				<	None >	~	
No Answer Ring Duration (seconds)  Call Pickup Group  A None >  A blank value means to call  Park Monitoring Forward No Retrieve Destination External Park Monitoring Forward No Retrieve Destination External Park Monitoring Forward No Retrieve Oor A blank value will use value set in Park Monitoring Reversion Timer service parameter  A blank value means to call parker's line.  A blank value will use value set in Park Monitoring Reversion Timer service parameter  HLPP Alternate Party Settings Farget (Destination)  LIPP Calling Search Space  LINE Settings for All Devices  LINE Settings for All Devices  LINE Setting Duration (seconds)  D Setting the Hold Reversion Notification Interval to zero will disable the feature	Forward Unregistered Exte	ernal	_				<	None >	~	
Call Pickup Group       None >         Park Monitoring       Voice       Destination       Calling Search Space         Park Monitoring Forward No Retrieve       Or        A blank value means to call parker's line.         Park Monitoring Forward No Retrieve       Or         A blank value means to call parker's line.         Park Monitoring Forward No Retrieve       Or           A blank value means to call parker's line.         Park Monitoring Reversion Timer       O            A blank value means to call parker's line.         Park Monitoring Reversion Timer                                                                     <	No Answer Ring Duration (s	seconds)								
Park Monitoring       Voice       Destination       Calling Search Space         Park Monitoring Forward No Retrieve       or       < None >       >       A blank value means to call parker's line.         Park Monitoring Forward No Retrieve       or       < None >       >       A blank value means to call parker's line.         Park Monitoring Forward No Retrieve       or       < None >        A blank value means to call parker's line.         Park Monitoring Reversion Timer       or       < None >        A blank value means to call parker's line.         Park Monitoring Reversion Timer       or       < None >        A blank value will use value set in Park Monitoring Reversion Timer service parameter         HLPP Alternate Party Settings       Farget (Destination)            MLPP Calling Search Space       < None >            MLPP No Answer Ring Duration (seconds)             Idla Reversion Ring Duration (seconds)         Setting the Hold Reversion Ring Duration to zero will disable the feature         Hold Reversion Notification Interval (seconds)         Setting the Hold Reversion Notification Interval to zero will disable the feature			ne >		~					
Voice Mail       Destination       Calling Search Space         Park Monitoring Forward No Retrieve Destination External       or       < None > parker's line.       A blank value means to call parker's line.         Park Monitoring Forward No Retrieve Destination Internal       or       < None > v A blank value means to call parker's line.         Park Monitoring Reversion Timer 0       A blank value will use value set in Park Monitoring Reversion Timer service parameter         MLPP Alternate Party Settings Target (Destination)		S 1401								
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Mail     Destination     Caling search space       Park Monitoring Forward No Retrieve     Or     < None >     A blank value means to call parker's line.       Park Monitoring Forward No Retrieve     Or     < None >     A blank value means to call parker's line.       Park Monitoring Reversion Timer     Or     < None >     A blank value means to call parker's line.       Park Monitoring Reversion Timer     Or     < None >     A blank value means to call parker's line.       Park Monitoring Reversion Timer     Or      A blank value will use value set in Park Monitoring Reversion Timer service parameter	– Park Monitoring –––––		Voice							
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Destination Internal parker's line. Park Monitoring Reversion Timer  A blank value will use value set in Park Monitoring Reversion Timer service parameter  MLPP Alternate Party Settings  Farget (Destination)  MLPP Calling Search Space < None >  MLPP No Answer Ring Duration (seconds)  Line Settings for All Devices  Hold Reversion Ring Duration (seconds)  O Setting the Hold Reversion Ring Duration to zero will disable the feature  Hold Reversion Notification Interval (seconds)  O Setting the Hold Reversion Notification Interval to zero will disable the feature		lo Petrieve							A block of the second	
MLPP Alternate Party Settings         Farget (Destination)         MLPP Calling Search Space         < None >         MLPP No Answer Ring Duration (seconds)    Line Settings for All Devices  Iold Reversion Ring Duration (seconds)  Iold Reversion Ring Duration (seconds)  Setting the Hold Reversion Ring Duration to zero will disable the feature Setting the Hold Reversion Notification Interval (seconds)  Iold Reversion Notification Interval (seconds)  Iold Reversion Notification Interval (seconds)  Iold Reversion Notification Interval to zero will disable the feature  Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Notification Interval to zero will disable the feature Iold Reversion Re			or						A blank value mea	is to call
Farget (Destination)         MLPP Calling Search Space         MLPP Calling Search Space         MLPP No Answer Ring Duration (seconds)         Line Settings for All Devices         Line Settings for All Devices         Iold Reversion Ring Duration (seconds)         0         Setting the Hold Reversion Ring Duration to zero will disable the feature         Hold Reversion Notification Interval (seconds)         0         Setting the Hold Reversion Notification Interval to zero will disable the feature	Park Monitoring Reversion	Timer 0			A blank value wil	use value set in Park M	onitoring Re	version Timer service parameter		
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MLPP No Answer Ring Duration (seconds)		l								
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Hold Reversion Ring Duration (seconds)       0       Setting the Hold Reversion Ring Duration to zero will disable the feature         Hold Reversion Notification Interval (seconds)       0       Setting the Hold Reversion Notification Interval to zero will disable the feature	- Line Settings for All De	vices								
Hold Reversion Notification Interval (seconds)			0		Sett	ing the Hold Reversion R	ling Duration	to zero will disable the feature		
Party Entrance Tone* Default	Hold Reversion Notification	Interval (secon	nds) 0		Sett	ing the Hold Reversion N	lotification Ir	terval to zero will disable the fea	ature	
	Party Entrance Tone*		Default		*					

Line 1 on Device SEP001D705F	9036	
Display (Caller ID)	James Cameroon	Display text for a line appearance is intended for displaying text such as a name instead of a directory number for
	If you specify a number, the person receiving a	call may not see the proper identity of the caller.
ASCII Display (Caller ID)	James Cameroon	
Line Text Label	James Cameroon	
ASCII Line Text Label	James Cameroon	
External Phone Number Mask		
Visual Message Waiting Indicator Policy*	Use System Policy	
Audible Message Waiting Indicator Policy*	Default	
Ring Setting (Phone Idle)*	Ring	
Ring Setting (Phone Active)	Use System Default	Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	Use System Default	
Call Pickup Group Audio Alert Setting(Phone Active)	Use System Default	
Recording Option*	Call Recording Disabled	V
Recording Profile	< None >	V
Monitoring Calling Search Space	< None >	✓
✓ Log Missed Calls		
- Multiple Call/Call Waiting Settin	gs on Device SEP001D705F9036	
Note: The range to select the Max Nu		
Maximum Number of Calls*	4	
Busy Trigger*	2	(Less than or equal to Max. Calls)
<ul> <li>Forwarded Call Information Dis</li> <li>Caller Name</li> </ul>	play on Device SEP001D705F9036	
Caller Number		
Redirected Number		
Dialed Number		
Users Associated with Line —		
Associate	End Users	
- Save Delete Reset Ap	ply Config Add New	
i *- indicates required item.		

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



#### Device Name: SEP1C17D337D1B8

#### Device Protocol: SIP



Coll Double of formation	-	
– Call Routing Informatio	n ————	
Calling Party Transformat	ion CSS I a Nana a	×
	g Party Transformation CSS	
Se Device Poor Califi	g Party Transformation C33	
Outbound Calls		
Calling Party Transformat	ion CSS < None >	
Use Device Pool Callin	g Party Transformation CSS	
– Protocol Specific Infor	mation	
Packet Capture Mode*	None	<b>~</b>
Packet Capture Duration	0	
BLF Presence Group*	Standard Presence group	✓
SIP Dial Rules	< None >	✓
MTP Preferred Originating (	Codec* 711ulaw	×
Device Security Profile*	Cisco 9971 - Standard SIP Non-Secure Profile	✓
Rerouting Calling Search S	pace < None >	×
SUBSCRIBE Calling Search	Space < None >	×
SIP Profile*	Standard SIP Profile	×
Digest User	< None >	<b>~</b>
Media Termination Point	: Required	
Unattended Port		
Require DTMF Reception	1	
- Certification Authority	Proxy Function (CAPF) Information	
Certificate Operation*		<b>v</b>
Authentication Mode*	By Null String	v
Authentication String		
Generate String		
Key Size (Bits)*	1024	×
Operation Completes By	2012 11 16 12 (YYYY:MM:DD:HH)	
Certificate Operation Status		
	ains Addition CAPF Settings.	
- Expansion Module Info Module 1 < No		
Module 1 Load Name		
Module 2 < No Module 2 Load Name	ne > 🗸	
Module 3 < No Module 3 Load Name	ne > 💌	
Module 5 Load Name		

Information		
Directory		
Messages		
Services		
Authentication Server		
Proxy Server		
Idle		
Idle Timer (seconds)		
Secure Authentication URL		
Secure Directory URL		
Secure Idle URL		
Secure Information URL		
Secure Messages URL		
Secure Services URL		
– Extension Information –		
Enable Extension Mobility		
Log Out Profile Use Current Device Settings		
Log in Time < None >		
Log out Time < None >		
— MLPP Information —		
MLPP Domain < None >	×	
MLPP Indication* Off	×	
MLPP Preemption* Disabled	×	
DND Option* Use Common Phone Profile Setting DND Incoming Call Alert < None >	<ul> <li>✓</li> <li>✓</li> </ul>	
- Secure Shell Information		
Secure Shell User cisco		
Secure Shell Password	••	
— Product Specific Configuration Layout	â	0 :1 0
	Param Param	Override Co Settin
Disable Speakerphone		
Disable Speakerphone and Headset		
PC Port *	Enabled	
Back USB Port*	Enabled	
Side USB Port*	Enabled	
Cisco Camera*	Enabled	
Video Capabilities*	Enabled	
Enable/Disable USB Classes	Mass Storage Human Interface Device Audio Class	
SDIO *	Disabled V	
Bluetooth *	Enabled V	
Wifi *	Enabled	
Bluetooth Profiles*	Handsfree	
	Human Interface Device	
Settings Access*	Enabled	

Disabled

\*

Gratuitous ARP\*

PC Voice VLAN Access*	Enabled 🗸	
Web Access*	Disabled 💌	
Show All Calls on Primary Line*	Disabled 💌	
Days Display Not Active	Sunday 🔥	
	Monday Tuesday	
Display On Time	07:30	
Display On Duration	10:30	
Display Idle Timeout	01:00	
HTTPS Server*	http and https Enabled	
Enable Power Save Plus	Sunday Monday Tuesday	[
Phone On Time	00:00	
Phone Off Time	24:00	
Phone Off Idle Timeout*	60	
Enable Audible Alert		
EnergyWise Domain		
EnergyWise Endpoint Security Secret		
		[
Allow EnergyWise Overrides		[
Span to PC Port*	Disabled	
Logging Display*	Disabled 💌	
Load Server		[
Recording Tone*	Disabled	
Recording Tone Local Volume*	100	
Recording Tone Remote Volume*	50	
Recording Tone Duration		
-		
Display On When Incoming Call*	Enabled	
Display On When Incoming Call* RTCP*		
Display On When Incoming Call* RTCP* Log Server	Enabled V Enabled V	
Display On When Incoming Call* RTCP* Log Server Advertise G.722 and iSAC Codecs *	Enabled V Enabled V Use System Default	
Display On When Incoming Call* RTCP* Log Server Advertise G.722 and iSAC Codecs * Wideband Headset UI Control*	Enabled V Enabled V Use System Default V Enabled V	
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Display On When Incoming Call* RTCP* Log Server Advertise G.722 and iSAC Codecs * Wideband Headset UI Control* Wideband Headset* Peer Firmware Sharing* Cisco Discovery Protocol (CDP): Switch Port* Cisco Discovery Protocol (CDP): PC Port* Link Layer Discovery Protocol - Media Endpoint Discover (LLDP-MED): Switch Port* Link Layer Discovery Protocol (LLDP): PC Port* Link Layer Discovery Protocol (LLDP): PC Port* LLDP Asset ID LLDP Power Priority* 802.1x Authentication* Detect Unified CM Connection Failure*	Enabled v Enabled v Use System Default v Enabled v Enable v Ena	
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Simplified New Call UI*	Disabled 🔽
Enable VXC VPN for MAC	
VXC VPN Option*	Dual Tunnel
VXC Challenge*	Challenge
VXC-M Servers	
Revert to All Calls*	Disabled 🔽
80-bit SRTCP*	Disabled 🔽
RTCP for Video*	Enabled
Record Call Log from Shared Line*	Disabled 🗸

- Save Delete Copy Reset Apply Config Add New

(i) \*- indicates required item.

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

(i) \*\*\*Note: Security Profile Contains Addition CAPF Settings.

(i) \*\*\*\*Note: A Protected device means it is capable of playing Secure and Non-Secure Tones. When the checkbox is checked, the user will hear a Secure or Non-Secure Tone when the call is connected.

(i) \*\*\*\*\*Note: A custom Softkey template without supplementary service Softkeys must be used for a Hot line Device.



#### Directory Number Information (Line [1]) of SIP Phone with associated device SEP1C17D337D1B8

	d CM Administration		Navigation Cisco Unified CM Administra
CISCO For Cisco Unified	Communications Solutions		administrator Search Documentation About
System 👻 Call Routing 👻 Media R	esources 👻 Advanced Features 👻 Device 👻 A	plication 👻 User Management 👻 Bulk Administration 👻 H	ielp 🔻
Directory Number Configurat	ion		Related Links: Configure Device (SEP1C17D337D1
🔚 Save 🗶 Delete	et 🖉 Apply Config 🕂 Add New		
— Status —			
(i) Status: Ready			
Directory Number Informati	(op)		
Directory Number* \+1408333			
Route Partition < None >			
Description			
Alerting Name Diana Wes	ley		
ASCII Alerting Name Diana Wes			
Allow Control of Device from			
Associated Devices SEP1C17D	337D1B8		
		Edit Device	
		Edit Line Appearance	
	**		
Dissociate Devices			
Directory Number Settings -			
Calling Search Space	< None >	<ul> <li>(Choose <none> to use system default)</none></li> </ul>	
BLF Presence Group*	< None >	×	
User Hold MOH Audio Source	Standard Presence group	▼	
Network Hold MOH Audio Source	< None >	▼	
Auto Answer*	s None >	×	
	Auto Answer Off		
Reject Anonymous Calls			

- Directory URIs						
Primary		URI			Partition	Re
•			< N0	one >	*	
Add Row						
AAD Cattings						
- AAR Settings	Voice Mail		AAR Destination N	lask		AAR Group
AAR 🗌 or					< None >	~
Retain this destination in the ca	II forwarding history					
- Call Forward and Call Pickup S						
Calling Search Space Activation Po	Voice Mail		Destination			Search Space
Forward All					Use System Default < None >	×
Secondary Calling Search Space for	or					
					< None >	~
Forward Busy Internal	or				< None >	*
Forward Busy External	or				< None >	*
Forward No Answer Internal	or				< None >	~
Forward No Answer External	or				< None >	*
Forward No Coverage Internal	or				< None >	~
Forward No Coverage External	or				< None >	*
Forward on CTI Failure	or				< None >	~
Forward Unregistered Internal	or				< None >	*
Forward Unregistered External	or				< None >	~
No Answer Ring Duration (seconds)						
Call Pickup Group	< None >		~			
	< None >					
– Park Monitoring –	Voice					
	Mail		Destination		Calling Search Sp	
Park Monitoring Forward No Retriev Destination External	re 🗌 or			< None > parker's line.		A blank value means to call t
Park Monitoring Forward No Retriev	e or			< None >		A blank value means to call t
Destination Internal				parker's line.		
Park Monitoring Reversion Timer 0			A blank value will use valu	e set in Park Monitoring	g Reversion Timer service parameter	
<ul> <li>MLPP Alternate Party Settings - Target (Destination)</li> </ul>						
MLPP Calling Search Space	< None >		✓			
MLPP No Answer Ring Duration (seco						
- ·						
- Line Settings for All Devices —						
Hold Reversion Ring Duration (secor			Setting the Ho	old Reversion Ring Dura	ation to zero will disable the feature	
Hold Reversion Notification Interval	(seconds) 0		Setting the Ho	old Reversion Notificatio	on Interval to zero will disable the fea	ture
Party Entrance Tone*	Default		*			
- Line 1 on Device SEP1C17D337	D180					
Display (Caller ID)	Diana Wesley		Display taxt for a line :	appearance is intended	for displaying text such as a name in	stead of a directory number for
		he person receiving	a call may not see the proper id		for displaying text such as a name in	stead of a directory number for
ASCII Display (Caller ID)	Diana Wesley					
Line Text Label	Diana Wesley					
ASCII Line Text Label	Diana Wesley					
External Phone Number Mask						
Visual Message Waiting Indicator	Use System Policy		~			
Policy*	occ bystem Policy					

Audible Message Waiting Indicator Policy*	Default	×	]
Ring Setting (Phone Idle)*	Ring	¥	
Ring Setting (Phone Active)	Use System Default	*	Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	Use System Default	~	
Call Pickup Group Audio Alert Setting(Phone Active)	Use System Default	~	
Recording Option*	Call Recording Disabled	*	
Recording Profile	< None >	¥	
Monitoring Calling Search Space	< None >	*	
✓ Log Missed Calls			
Multiple Call/Call Waiting Settin Note:The range to select the Max Nu Maximum Number of Calls*		D337D1B8	
Busy Trigger*	2		(Less than or equal to Max. Calls)
Multiple Call/Call Waiting Settin Note:The range to select the Max Nu Maximum Number of Calls* Busy Trigger*			(Less than or equal to Max. Calls)
Forwarded Call Information Dis     Caller Name     Caller Number     Redirected Number     Dialed Number	splay on Device SEP1C	1703370188	
Users Associated with Line —			
	End Users		
- Save Delete Reset Ap	ply Config Add New		
<ul> <li>indicates required item.</li> <li>**- Changes to Line or Director</li> </ul>			



#### **Cisco IOS Gateway Configurations**

Cisco Unified Border Element Configuration on the ASR

CUBE-ASR1K\_Vz\_152>en Password: CUBE-ASR1K\_Vz\_152# CUBE-ASR1K\_Vz\_152# CUBE-ASR1K\_Vz\_152# CUBE-ASR1K\_Vz\_152# CUBE-ASR1K\_Vz\_152#sho ver CUBE-ASR1K\_Vz\_152#sho version Cisco IOS Software, IOS-XE Software (PPC\_LINUX\_IOSD-ADVENTERPRISE-M), Version 15.1(3)S2, RELEASE SOFTWARE (fc1) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2011 by Cisco Systems, Inc. Compiled Mon 12-Dec-11 15:09 by mcpre

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ROM: IOS-XE ROMMON

CUBE-ASR1K\_Vz\_152 uptime is 2 days, 16 hours, 8 minutes Uptime for this control processor is 2 days, 16 hours, 10 minutes System returned to ROM by reload System image file is "bootflash:asr1000rp1-adventerprise.03.04.02.S.151-3.S2.bin" Last reload reason: Reload Command

cisco ASR1002 (2RU) processor with 1708551K/6147K bytes of memory. 4 Gigabit Ethernet interfaces 32768K bytes of non-volatile configuration memory. 4194304K bytes of physical memory. 7798783K bytes of eUSB flash at bootflash:.

Configuration register is 0x2102

CUBE-ASR1K\_Vz\_152#sho run CUBE-ASR1K\_Vz\_152#sho running-config Building configuration...

Current configuration : 8552 bytes

! Last configuration change at 14:56:29 UTC Fri Oct 26 2012

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version 15.1



```
service timestamps debug datetime msec
service timestamps log datetime msec
no platform punt-keepalive disable-kernel-core
!
hostname CUBE-ASR1K_Vz_152
1
boot-start-marker
boot system bootflash:asr1000rp1-adventerprise.03.04.02.S.151-3.S2.bin
boot-end-marker
1
!
vrf definition Mgmt-intf
!
address-family ipv4
exit-address-family
!
address-family ipv6
exit-address-family
۱
logging buffered 2000000
enable password cisco
!
no aaa new-model
۱
ipc zone default
association 1
 no shutdown
!
!
1
!
ip domain name ciscolab.globalipcom.com
ip name-server 172.31.124.36
1
!
1
ipv6 multicast rpf use-bgp
ipv6 multicast vrf Mgmt-intf rpf use-bgp
1
1
multilink bundle-name authenticated
١
١
1
voice service voip
allow-connections sip to sip
no supplementary-service sip refer
redirect ip2ip
sip
 header-passing
 asserted-id pai
 localhost dns:gw1.ciscolab.globalipcom.com
 no update-callerid
 early-offer forced
 history-info
 midcall-signaling passthru
 privacy-policy passthru
 g729 annexb-all
```

```
sip-profiles 2
no call service stop
!
voice class codec 1
codec preference 1 g711ulaw
codec preference 2 g729r8
voice class sip-profiles 1
response ANY sip-header Allow-Header modify "invite, options, bye, cancel, ack, prack, update, refer, subscribe, notify, info, register" "invite,
bye, cancel, ack, prack, subscribe, notify, info, register"
response 183 sip-header Allow-Header modify "ACK, BYE, CACEL, INFO, INVITE, OPTIONS, PRACK, REFER, NOTIFY" "ACK, BYE,
CANCEL, INFO, INVITE, PRACK, REFER, NOTIFY"
response ANY sip-header Allow-Header modify "INVITE, OPTIONS, BYE, CACEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE,
NOTIFY, INFO, REGISTER" "INVITE, BYE, CANCEL, ACK, PRACK, SUBSCRIBE, NOTIFY, INFO, REGISTER"
response ANY sip-header Allow-Header modify "invite, options, bye, cancel, ack, prack, update, refer, subscribe, notify, info, register" "invite,
bye, cancel, ack, prack, subscribe, notify, info, register"
response 183 sip-header Allow-Header modify "ACK, BYE, CACEL, INFO, INVITE, OPTIONS, PRACK, REFER, NOTIFY" "ACK, BYE,
CANCEL, INFO, INVITE, PRACK, REFER, NOTIFY"
response ANY sip-header Allow-Header modify "INVITE, OPTIONS, BYE, CACEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE,
NOTIFY, INFO, REGISTER" "INVITE, BYE, CANCEL, ACK, PRACK, SUBSCRIBE, NOTIFY, INFO, REGISTER"
1
voice class sip-profiles 2
request REINVITE sdp-header Audio-Attribute modify "inactive" "sendrecv"
request REINVITE sdp-header Audio-Attribute modify "sendonly" "sendrecv"
request ACK sdp-header Audio-Attribute modify "sendonly" "sendrecv"
response 200 sdp-header Audio-Attribute modify "sendonly" "sendrecv"
!
!
!
1
voice translation-rule 1
rule 1 /81/ /1\1/
١
voice translation-rule 2
rule 1 /^84089550468/ /14089550468/
1
1
voice translation-profile Outgoing-Fax-G711
translate called 1
1
voice translation-profile RICUBcallingnum
translate calling 2
translate called 2
١
1
1
!
redundancy
mode none
1
!
!
no ip ftp passive
ip ftp username ios_user
ip ftp password cisco
1
1
۱
!
```

```
!
interface GigabitEthernet0/0/0
ip address 172.20.110.152 255.255.255.0
negotiation auto
1
interface GigabitEthernet0/0/1
no ip address
standby delay minimum 30 reload 60
standby version 2
standby 6 priority 50
standby 6 track 1 decrement 10
shutdown
negotiation auto
bfd interval 500 min_rx 500 multiplier 3
interface GigabitEthernet0/0/2
no ip address
shutdown
negotiation auto
1
interface GigabitEthernet0/0/3
no ip address
shutdown
negotiation auto
!
interface GigabitEthernet0
vrf forwarding Mgmt-intf
no ip address
shutdown
negotiation auto
1
ip forward-protocol nd
no ip http server
ip route 172.20.0.0 255.255.0.0 172.20.110.1
ip route 172.30.218.0 255.255.255.0 172.20.110.150
ip route 172.31.124.0 255.255.255.0 172.20.110.150
!
control-plane
dial-peer voice 9000 voip<sup>1</sup>
description to Service Provider - SP facing
destination-pattern 1T
session protocol sipv2
session target sip-server
session transport udp
voice-class sip asserted-id pai
dtmf-relay rtp-nte
codec g711ulaw
fax protocol pass-through g711ulaw
```

<sup>&</sup>lt;sup>1</sup> Outbound dial peer towards Service Provider-SP facing. This dial peer is used for the outbound call from SME to Service Provider

! dial-peer voice 9001 voip description Incoming to SME - SME facing destination-pattern 408933.... session protocol sipv2 session target ipv4:172.20.236.252 session transport tcp dtmf-relay rtp-nte fax protocol pass-through g711ulaw dial-peer voice 577 voip description Outbound to Fax Machines destination-pattern 408577.... session protocol sipv2 session target sip-server session transport udp incoming called-number 408577.... codec g711ulaw fax protocol pass-through g711ulaw dial-peer voice 6170 voip description To Fax Machines on Siemens destination-pattern 408933617. session protocol sipv2 session target ipv4:172.20.236.252 session transport udp incoming called-number 408933617. codec g711ulaw fax protocol pass-through g711ulaw dial-peer voice 3470 voip description To Fax Machines on CUCM destination-pattern 40893334.. session protocol sipv2 session target ipv4:172.20.236.252 session transport udp incoming called-number 40893334.. codec g711ulaw fax protocol pass-through g711ulaw dial-peer voice 408 voip description To Service Provider 7-digit dialing - SP facing shutdown destination-pattern ...... session protocol sipv2 session target sip-server session transport udp voice-class sip asserted-id pai dtmf-relay rtp-nte fax protocol pass-through g711ulaw 1 dial-peer voice 9003 voip description Fax calls using G.711u - SP facing translation-profile outgoing Outgoing-Fax-G711 destination-pattern 81..... session protocol sipv2 session target sip-server voice-class sip early-offer forced dtmf-relay rtp-nte

codec g711ulaw fax protocol pass-through g711ulaw ! dial-peer voice 9900 voip<sup>2</sup> description to Service Provider - SME facing session protocol sipv2 session transport udp incoming called-number ..... voice-class sip asserted-id pai dtmf-relay rtp-nte codec g711ulaw fax protocol pass-through g711ulaw dial-peer voice 9901 voip description Incoming to SME - SP facing session protocol sipv2 session target sip-server session transport tcp incoming called-number 408933.... dtmf-relay rtp-nte fax protocol pass-through g711ulaw dial-peer voice 4408 voip description To Service Provider 7-digit dialing - SME facing shutdown session protocol sipv2 session target sip-server session transport udp incoming called-number ...... dtmf-relay rtp-nte fax protocol pass-through g711ulaw 1 dial-peer voice 9903 voip description Fax calls using G.711u - SME facing session protocol sipv2 session target sip-server incoming called-number 81..... voice-class sip early-offer forced dtmf-relay rtp-nte codec g711ulaw fax protocol pass-through g711ulaw dial-peer voice 9004 voip description To Service Provider International calls - SP facing destination-pattern 011T session protocol sipv2 session target sip-server session transport udp voice-class sip early-offer forced dtmf-relay rtp-nte fax protocol pass-through g711ulaw ! dial-peer voice 9904 voip description To Service Provider International calls - SME facing session protocol sipv2

<sup>&</sup>lt;sup>2</sup> Outbound dial peer towards Service Provider-SME facing. This dial peer is used for the outbound call from SME to Service Provider

session target sip-server session transport udp incoming called-number 011T dtmf-relay rtp-nte fax protocol pass-through g711ulaw 1 dial-peer voice 237 voip description Outgoing to CM-Polaris shutdown destination-pattern 408273.... session protocol sipv2 session target ipv4:172.20.236.50 session transport tcp dial-peer voice 408273 voip description incoming call from VZ to SME destination-pattern 408273398[12] session protocol sipv2 session target ipv4:172.20.85.110:5060 session transport tcp voice-class codec 1 no voice-class sip early-offer forced dtmf-relay rtp-nte dial-peer voice 1111 voip<sup>3</sup> description Incoming-to-SME-172-20-109-254 SME-facing destination-pattern 408273398. session protocol sipv2 session target ipv4:172.20.109.254 session transport tcp dtmf-relay rtp-nte codec g711ulaw ١ dial-peer voice 1112 voip<sup>4</sup> description Incoming-to-SME-172-20-109-254 SP-facing session protocol sipv2 session target sip-server session transport tcp incoming called-number 408273398. dtmf-relay rtp-nte codec g711ulaw ! sip-ua set pstn-cause 1 sip-status 503 set pstn-cause 102 sip-status 503 retry invite 2 retry bye 2 retry cancel 2 timers trying 1000 sip-server ipv4:172.30.218.49:5147 g729-annexb override ! ! line con 0

<sup>3</sup> Incoming dial peer towards SME - SME facing. This dial peer is used for the inbound call to SME from Service Provider

<sup>4</sup> Incoming dial peer towards SME - SP facing. This dial peer is used for the inbound call to SME from Service provider



password cisco login stopbits 1 line aux 0 stopbits 1 line vty 0 4 password cisco login ! end

CUBE-ASR1K\_Vz\_152#

#### Acronyms

Acronym	Definition	
Lync	Lync 2010 Server	
DTMF	Dual Tone Multi Frequency	
SIP	Session Initiation Protocol	
SDP	Session Description Protocol	
B2BUA	Back to Back User Agent	
LyncIT	Lync server 2010 Interoperability Test Tool	
ТСР	Transmission Control Protocol	
TLS	Transport Layer Security	
GW	Gateway	
S/W	Software	
ASR	Aggregation Services Routers	
Cisco UCM-SME	Cisco Unified Communications Manager – Session Manager Edition	
CUBE	Cisco Unified Border Element	
SP	Service Provider	
PSTN	Public Switched Telephone Network	
FQDN	Fully Qualified Domain Name	
SCCP	Skinny Call Control Protocol	
MTP	Media Termination Point	
UDP	User Datagram Protocol	
RTCP	Real Time Control Protocol	



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#### Corporate Headquarters

Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134-1706 USA www.cisco.com Tel: 408 526-4000 800 553-NETS (6387) Fax: 408 526-4100 European Headquarters

Cisco Systems International BV Haarlerbergpark Haarlerbergweg 13-19 1101 CH Amsterdam The Netherlands www-europe.cisco.com Tel: 31 0 20 357 1000 Fax: 31 0 20 357 1100 Cisco Systems, Inc. 170 West Tasman Drive San Jose, CA 95134-1706 USA www.cisco.com Tel: 408 526-7660 Fax: 408 527-0883

Americas

**Headquarters** 

#### Asia Pacific Headquarters

Cisco Systems, Inc. Capital Tower 168 Robinson Road #22-01 to #29-01 Singapore 068912 www.cisco.com Tel: +65 317 7777 Fax: +65 317 7799

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