



Cisco Unified CallManager Release 5.0-PBX Interoperability: Avaya Definity G3 MV1.3 to a Cisco Catalyst 6000 using CMM- T1 QSIG with MGCP

Initial version, August 14, 2006

Table of Contents

Introduction	1
Network Topology.....	2
Limitations.....	3
Call Forward by Join External.....	3
System Components	3
Hardware Requirements	3
Software Requirements	3
Features	3
Features Supported.....	3
Configuration.....	4
Configuration Sequence and Tasks	4
Configuration Menus and Commands	5
Cisco Unified CallManager Configuration.....	17
Cisco CMM-T1 Gateway Configuration	101
PSTN Gateway (Cisco 3745) Configuration	106
Acronyms	109

Introduction

This is an application note for connectivity of Avaya Definity G3 MV1.3 PBX with Cisco Unified CallManager Release 5.0 using Cisco Communication Media Module (CMM)-T1 QSIG as MGCP gateway.

The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with the Cisco Unified CallManager connected to the PBX via Cisco Communication Media Module CMM-T1 QSIG link as MGCP gateway.

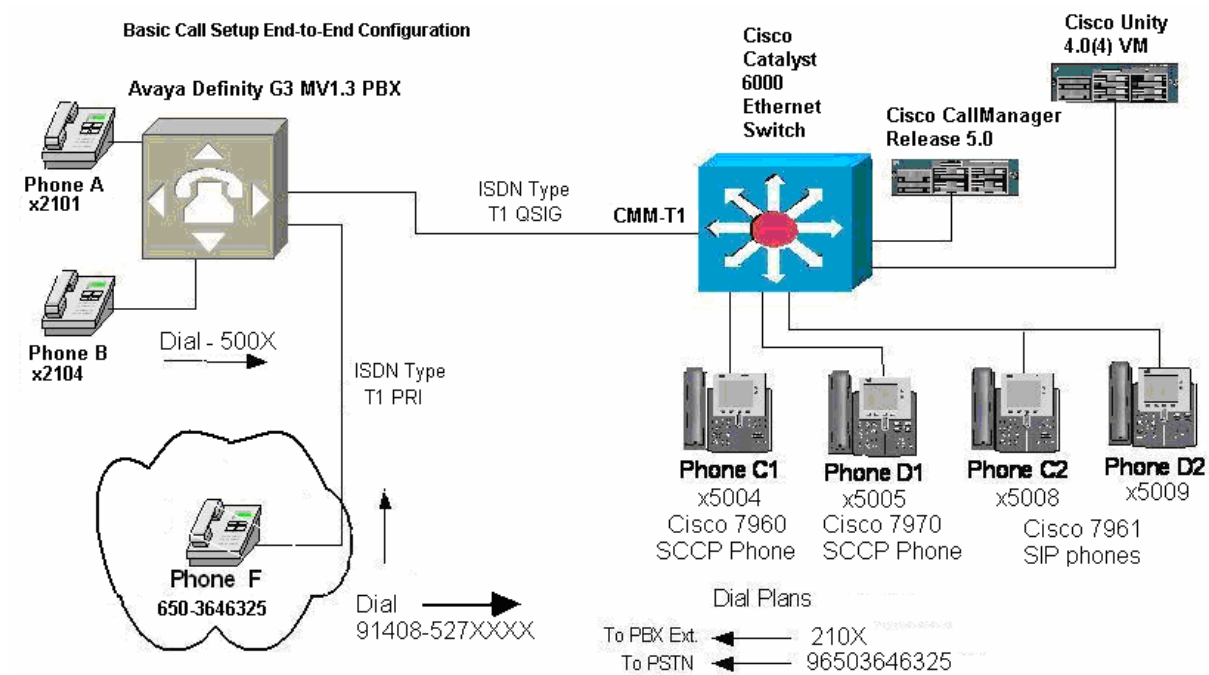
Connectivity is achieved by using the PRI QSIG T1 protocol type on the MGCP gateway and ISO QSIG switch type on the of Avaya Definity G3 MV1.3 PBX.

This Application Note uses the Cisco CMM-T1 voice gateway; however, other Cisco voice gateways are also an option to use since Cisco Unified CallManager QSIG implementation does not depend on the physical interface.



Network Topology

Figure 1. Network Topology or Test Setup





Limitations

Call Forward by Join External

As of this round of testing, Avaya Definity G3 MV1.3 PBX does not do External Call Forward By Join (Unconditional, Busy or No Reply) since it automatically performs Call Diversion by Reroute to complete the call. Thus, Call diversion by Reroute happens instead of External Call Forward By Join when a phone on the Avaya Definity G3 MV1.3 PBX is the forwarding station and Cisco Unified CallManager phones are the originating and final destination phones respectively

As of publication of this Application Note, Rerouting cannot be turned off on the Avaya Definity G3 MV1.3 PBX

System Components

Hardware Requirements

Cisco Catalyst 6000 switch with CMM-T1 Gateway

Cisco Unified CallManager Server

Avaya Definity G3 MV1.3 PBX

Software Requirements

Avaya MV1.3

Cisco Unified CallManager 5.0

Features

Features Supported

CLIP-Calling Line (Number) Identification Presentation

CLIR-Calling Line (Number) Identification Restriction

CNIP-Calling Name Identification Presentation

CNIR-Calling Name Identification Restriction

COLP-Connected Line (Number) Identification Presentation

COLR- Connected Line (Number) Identification Restriction

CONP-Connected Name Identification Presentation

CONR- Connected Name Identification Restriction

Sending Alerting Name

CT-Call Transfer

CFU-Call Forwarding Unconditional (by join) – see Limitations Section

CFB-Call Forwarding Busy (by join) – see Limitations Section

CFNR-Call Forwarding No Reply (by join) – see Limitations Section

CFU-Call Forwarding Unconditional (by Reroute)

CFB-Call Forwarding Busy (by Reroute)

CFNR-Call Forwarding No Reply (by Reroute)

CCBS-Call Completion to Busy Subscriber

CCNR-Call Completion No Reply



ANF-PR-Additional Network Feature Path Replacement (for Call Transfer by join)

ANF-PR-Additional Network Feature Path Replacement (for Call Diversion by forward switching)

ANF-PR-Additional Network Feature Path Replacement (for Trombone connection)

MWI- Message Waiting Indication (lamp ON, lamp OFF)

Configuration

Configuration Sequence and Tasks

Configuring the Avaya Definity G3 MV1.3 PBX

Configure in the following sequence:

1. Add the new circuit pack.
2. Add the new signaling group.
3. Add the new trunk group.
4. Add Uniform Dialing Plan.



Configuration Menus and Commands

Avaya Configuration

DS1 Circuit Pack

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display ds1 1a12 Page 1 of 2

DS1 CIRCUIT PACK

Location: 01A12	Name: T1 QSIG to CCM
Bit Rate: 1.544	Line Coding: b8zs
Line Compensation: 1	Framing Mode: esf
Signaling Mode: isdn-pri	
Connect: pbx	Interface: peer-master
TN-C7 Long Timers? n	Peer Protocol: Q-SIG
Interworking Message: PROGRESS	Side: a
Interface Companding: mulaw	CRC? n
Idle Code: 11111111	
DCP/Analog Bearer Capability: 3.1kHz	
Slip Detection? n	
Near-end CSU Type: other	

Signaling Group

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display signaling-group 12

SIGNALING GROUP

Group Number: 12	Group Type: isdn-pri	
Associated Signaling? y	Max number of NCA TSC: 10	
Primary D-Channel: 01A1224	Max number of CA TSC: 10	
	Trunk Group for NCA TSC: 12	
Trunk Group for Channel Selection: 12	X-Mobility/Wireless Type: NONE	
Supplementary Service Protocol: b		



Trunk Group (1 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 12 Page 1 of 10

TRUNK GROUP

Group Number: 12 Group Type: isdn CDR Reports: y
Group Name: QSIG to CM-POLARIS COR: 1 TN: 1 TAC: 612
Direction: two-way Outgoing Display? n Carrier Medium: PRI/BRI
Dial Access? y Busy Threshold: 99 Night Service:
Queue Length: 0
Service Type: tie Auth Code? n TestCall ITC: rest
Far End Test Line No:
TestCall BCC: 4
TRUNK PARAMETERS
Codeset to Send Display: 0 Codeset to Send National IEs: 6
Max Message Size to Send: 260 Charge Advice: none
Supplementary Service Protocol: b Digit Handling (in/out): enbloc/enbloc
Trunk Hunt: ascend QSIG Value-Added? y
Digital Loss Group: 13
Calling Number - Delete: Insert: Numbering Format: unk-unk
Bit Rate: 1200 Synchronization: async Duplex: full
Disconnect Supervision - In? y Out? y

Trunk Group (2 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 12 Page 2 of 10

TRUNK FEATURES

ACA Assignment? n Measured: none Wideband Support? n
Internal Alert? n Maintenance Tests? y
Data Restriction? n NCA-TSC Trunk Member: 1
Send Name: y Send Calling Number: y
Hop Dgt? y
Used for DCS? n
Suppress # Outpulsing? n Numbering Format: unknown
Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider
Replace Restricted Numbers? y
Replace Unavailable Numbers? y
Send Called/Busy/Connected Number: y
Send UUI IE? y
Send UCID? y
Send Codeset 6/7 LAI IE? y Ds1 Echo Cancellation? n
Path Replacement with Retention? y
SBS? n Network (Japan) Needs Connect Before Disconnect? n



Trunk Group (3 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 12 Page 4 of 10

TRUNK GROUP

Administered Members (min/max): 1/8
Total Administered Members: 8

GROUP MEMBER ASSIGNMENTS

	Port	Code	Sfx	Name	Night	Sig	Grp
1:	01A1201	TN464	F			12	
2:	01A1202	TN464	F			12	
3:	01A1203	TN464	F			12	
4:	01A1204	TN464	F			12	
5:	01A1220	TN464	F			12	
6:	01A1221	TN464	F			12	
7:	01A1222	TN464	F			12	
8:	01A1223	TN464	F			12	
9:							
10:							
11:							
12:							
13:							
14:							
15:							

Uniform Dialing Plan

display uniform-dialplan 5 Page 1 of 2

UNIFORM DIAL PLAN TABLE

Percent Full: 0

Matching	Pattern	Len	Del	Insert	Digits	Net	Conv	Node	Num	Matching	Pattern	Len	Del	Insert	Digits	Net	Conv	Node	Num
5003		4	0	512	aar	n				5110		4	0	530	aar	n			
5004		4	0	512	aar	n				53		4	0	530	aar	n			
5005		4	0	512	aar	n				54		4	0	999	aar	n			
5006		4	0	512	aar	n				5555		4	0	512	aar	n			
5007		4	0	512	aar	n				7		4	0	777	aar	n			
5008		4	0	512	aar	n										n			
5009		4	0	512	aar	n										n			
5017		4	0	530	aar	n										n			
5020		4	0	530	aar	n										n			
5050		4	0	512	aar	n										n			
509		4	0	512	aar	n										n			
5100		4	0	512	aar	n										n			
5102		4	0	510	aar	n										n			
5103		4	0	510	aar	n										n			
5105		4	0	512	aar	n										n			
5109		4	0	530	aar	n										n			



AAR Digit Analysis

display aar analysis 512

Page 1 of 2

AAR DIGIT ANALYSIS TABLE							
							Percent Full: 3
	Dialed String	Total		Route	Call	Node	ANI
		Min	Max	Pattern	Type	Num	Reqd
512		7	7	12	aar	3	n
515		7	7	15	aar		n
530		7	7	13	aar	4	n
531		7	7	13	aar	6	n
555		7	7	105	aar		n
611		7	7	13	aar		n
613		7	7	13	aar		n
614		7	7	14	aar	2	n
777		7	7	13	aar		n
888		7	7	15	aar		n
998		7	7	11	aar		n
999		7	7	98	aar		n
							n
							n
							n

Route Patterns

display route-pattern 12

Pattern Number: 12 Pattern Name:													
Grp No	FRL	NPA	Pfx Mrk	Hop Lmt	Toll List	No. Del	Inserted Dgts	Digits		DCS/ QSIG	IXC		
1:	12	0					3			n	user		
2:										n	user		
3:										n	user		
4:										n	user		
5:										n	user		
6:										n	user		
	BCC	VALUE	TSC	CA-TSC	ITC	BCIE	Service/Feature	BAND	No.	Numbering	LAR		
	0	1	2	3	4	W	Request		Dgts	Format			
									Subaddress				
1:	y	y	y	y	y	n	y	as-needed	rest				
2:	y	y	y	y	y	n	n		rest			unk-unk	none
3:	y	y	y	y	y	n	n		rest				none
4:	y	y	y	y	y	n	n		rest				none
5:	y	y	y	y	y	n	n		rest				none
6:	y	y	y	y	y	n	n		rest				none



Station Configuration (1 of 2)

```
display station 2101                                     Page 1 of 4
STATION
Extension: 2101                                         Lock Messages? n      BCC: 0
Type: 6408D+                                           Security Code:        TN: 1
Port: 01A0407                                         Coverage Path 1:      COR: 1
Name: John Adams                                     Coverage Path 2:      COS: 1
                                                    Hunt-to Station:

STATION OPTIONS
    Loss Group: 2                                     Personalized Ringing Pattern: 1
    Data Module? n                                   Message Lamp Ext: 2101
    Speakerphone: 2-way                               Mute Button Enabled? y
    Display Language: english

                                                    Media Complex Ext:
                                                    IP SoftPhone? n
                                                    Remote Office Phone? n
```

Station Configuration (2 of 2)

```
display station 2101                                     Page 2 of 4
STATION
FEATURE OPTIONS
    LWC Reception: spe                                Auto Select Any Idle Appearance? n
    LWC Activation? y                                  Coverage Msg Retrieval? y
    LWC Log External Calls? n                          Auto Answer: none
    CDR Privacy? n                                     Data Restriction? n
    Redirect Notification? y                           Idle Appearance Preference? n
    Per Button Ring Control? n                         Restrict Last Appearance? y
    Bridged Call Alerting? n
    Active Station Ringing: single

    H.320 Conversion? n                               Per Station CPN - Send Calling Number?
    Service Link Mode: as-needed
    Multimedia Mode: basic
    MWI Served User Type:

    Audible Message Waiting? n
    Display Client Redirection? n
    Select Last Used Appearance? n
    Coverage After Forwarding? s
    Multimedia Early Answer? n
    Direct IP-IP Audio Connections? y
    IP Audio Hairpinning? y

Emergency Location Ext: 2101
```



System Parameters and Customer Options

display system-parameters customer-options

Page 7 of 9

QSIG OPTIONAL FEATURES

```
Basic Call Setup? y
Basic Supplementary Services? y
Centralized Attendant? y
Interworking with DCS? y
Supplementary Services with Rerouting? y
Transfer into QSIG Voice Mail? y
Value-Added (VALU)? y
```

(NOTE: You must logoff & login to effect the permission changes.)

System Parameters Features

display system-parameters features

Page 7 of 12

FEATURE-RELATED SYSTEM PARAMETERS

ISDN PARAMETERS

```
Send Non-ISDN Trunk Group Name as Connected Name? n
Display Connected Name/Number for ISDN DCS Calls? n
Send ISDN Trunk Group Name on Tandem Calls? n
```

```
QSIG TSC Extension: 2099
MWI - Number of Digits Per Voice Mail Subscriber: 4
Feature Plus Ext: 2098
National CPN Prefix:
International CPN Prefix:
Pass Prefixed CPN to ASAI? n
Unknown Numbers Considered Internal for AUDIX? y      Maximum Length: 4
USNI Calling Name for Outgoing Calls? y
Path Replacement with Measurements? y
QSIG Path Replacement Extension: 2097
Path Replace While in Queue/Vectoring? y
```



Dial Plan Parameters

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display dialplan parameters
DIAL PLAN PARAMETERS
Local Node Number: 1
ETA Node Number:
ETA Routing Pattern:
UDP Extension Search Order: local-extensions-first
6-Digit Extension Display Format: xx.xx.xx
7-Digit Extension Display Format: xxx-xxxx
```

ISDN Private Numbering

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display isdn private-numbering
ISDN NUMBERING - PRIVATE FORMAT
Network Level: 0 PBX Identifier: 408
Level 2 Code: Deleted Digits: 0
Level 1 Code:
```



Feature Access Code (1 of 3)

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 1 of 7
FEATURE ACCESS CODE (FAC)
Abbreviated Dialing List1 Access Code:
Abbreviated Dialing List2 Access Code:
Abbreviated Dialing List3 Access Code:
Abbreviated Dial - Prgm Group List Access Code:
Announcement Access Code:
Answer Back Access Code:
Auto Alternate Routing (AAR) Access Code: 8
Auto Route Selection (ARS) - Access Code 1: 9 Access Code 2:
Automatic Callback Activation: Deactivation:
Call Forwarding Activation Busy/DA: *66 All: *67 Deactivation: *69
Call Park Access Code:
Call Pickup Access Code:
CAS Remote Hold/Answer Hold-Unhold Access Code:
CDR Account Code Access Code:
Change COR Access Code:
Change Coverage Access Code:
Data Origination Access Code:
Data Privacy Access Code:
```

Feature Access Code (2 of 3)

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 2 of 7
FEATURE ACCESS CODE (FAC)
Emergency Access to Attendant Access Code:
Enhanced EC500 Activation: Deactivation:
Extended Call Fwd Activate Busy D/A All: Deactivation:
Extended Group Call Pickup Access Code:
Facility Test Calls Access Code:
Flash Access Code:
Group Control Restrict Activation: Deactivation:
Hunt Group Busy Activation: Deactivation:
ISDN Access Code:
Last Number Dialed Access Code:
Leave Word Calling Message Retrieval Lock:
Leave Word Calling Message Retrieval Unlock:
Leave Word Calling Send A Message: *77
Leave Word Calling Cancel A Message: *78
Malicious Call Trace Activation: Deactivation:
Meet-me Conference Access Code Change:
PASTE (Display PBX data on Phone) Access Code:
Personal Station Access (PSA) Associate Code: Dissociate Code:
```



Feature Access Code (3 of 3)

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 4 of 7
FEATURE ACCESS CODE (FAC)
Whisper Page Activation Access Code: *65
```

PSTN DS1 Circuit Pack

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display ds1 1a15 Page 1 of 2
DS1 CIRCUIT PACK
Location: 01A15 Name:
Bit Rate: 1.544 Line Coding: b8zs
Line Compensation: 1 Framing Mode: esf
Signaling Mode: isdn-pri
Connect: pbx Interface: network
TN-C7 Long Timers? n Country Protocol: 1
Interworking Message: PROGRESS Protocol Version: a
Interface Companding: mulaw CRC? n
Idle Code: 11111111
DCP/Analog Bearer Capability: 3.1kHz
Slip Detection? n Near-end CSU Type: other
```



PSTN Signaling Group

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display signaling-group 15 Page 1 of 5

SIGNALING GROUP

Group Number: 15 Group Type: isdn-pri
Associated Signaling? y Max number of NCA TSC: 10
Primary D-Channel: 01A1524 Max number of CA TSC: 10
Trunk Group for NCA TSC: 15
Trunk Group for Channel Selection: 15 X-Mobility/Wireless Type: NONE
Supplementary Service Protocol: a

PSTN Trunk Group (1 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 15 Page 1 of 10

TRUNK GROUP

Group Number: 15 Group Type: isdn CDR Reports: y
Group Name: Deepa test QSIG trunk COR: 1 TN: 1 TAC: 615
Direction: two-way Outgoing Display? y Carrier Medium: PRI/BRI
Dial Access? y Busy Threshold: 99 Night Service:
Queue Length: 0
Service Type: tie Auth Code? n TestCall ITC: rest
Far End Test Line No:
TestCall BCC: 4
TRUNK PARAMETERS
Codeset to Send Display: 0 Codeset to Send National IEs: 6
Max Message Size to Send: 260 Charge Advice: none
Supplementary Service Protocol: a Digit Handling (in/out): enbloc/enbloc
Trunk Hunt: ascend QSIG Value-Added? n
Digital Loss Group: 13
Calling Number - Delete: Insert: Numbering Format:
Bit Rate: 1200 Synchronization: async Duplex: full
Disconnect Supervision - In? y Out? y



PSTN Trunk Group (2 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 15 Page 2 of 10

TRUNK FEATURES

ACA Assignment? n Measured: none Wideband Support? n
Internal Alert? n Maintenance Tests? y
Data Restriction? n NCA-TSC Trunk Member:
Send Name: n Send Calling Number: y

Used for DCS? n
Suppress # Outpulsing? n Numbering Format: public
Outgoing Channel ID Encoding: preferred UUI IE Treatment: service-provider

Replace Restricted Numbers? n
Replace Unavailable Numbers? n
Send Connected Number: y

Send UUI IE? y
Send UCID? n
Send Codeset 6/7 LAI IE? y Ds1 Echo Cancellation? n

US NI Delayed Calling Name Update? n

SBS? n Network (Japan) Needs Connect Before Disconnect? n

PSTN Trunk Group (3 of 3)

Avaya Site Administration - [multivantage Emulation: 513]

File Edit View System Action Tools Window Help

cancel refresh enter clear help go to page next page prev page

display trunk-group 15 Page 4 of 10

TRUNK GROUP

Administered Members (min/max): 1/8
Total Administered Members: 8

GROUP MEMBER ASSIGNMENTS

	Port	Code	Sfx	Name	Night	Sig	Grp
1:	01A1501	TN464	F			15	
2:	01A1502	TN464	F			15	
3:	01A1503	TN464	F			15	
4:	01A1504	TN464	F			15	
5:	01A1520	TN464	F			15	
6:	01A1521	TN464	F			15	
7:	01A1522	TN464	F			15	
8:	01A1523	TN464	F			15	
9:							
10:							
11:							
12:							
13:							
14:							
15:							

PSTN ARS Digit Analysis Table

[illegible]

PSTN Route Pattern

```
Avaya Site Administration - [multivantage Emulation: 513]
File Edit View System Action Tools Window Help
cancel refresh enter clear help go to page next page prev page
display route-pattern 15
Pattern Number: 15 Pattern Name:

Grp FRL NPA Pfx Hop Toll No. Inserted DCS/ IXC
No Mrk Lmt List Del Digits QSIG
Dgts Intw
1: 15 0 0 n user
2: n user
3: n user
4: n user
5: n user
6: n user

BCC VALUE TSC CA-TSC ITC BCIE Service/Feature BAND No. Numbering LAR
0 1 2 3 4 W Request Dgts Format Subaddress
1: y y y y y n y none rest none
2: y y y y y n n rest none
3: y y y y y n n rest none
4: y y y y y n n rest none
5: y y y y y n n rest none
```




Cisco Unified CallManager Configuration

Gateway Configuration - 1

Find and List Gateway - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Address <https://172.20.236.50/ccmadmin/gatewayFindList.do?lookup=false&multiple=true&recCnt=11&colCnt=17> Go

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Find and List Gateway

+ - X

Status
1 records found

Search Options
Find Gateways where Name begins with CMM Hide endpoints Find ☐ Search Within Results
(device.name begins with CMM) Select item or enter search text

Search Results

	Device Name	Description	Device Pool	Calling Search Space	Ext.	Partition	Route Group	Priority	Port	Device Type	Status	IP Address
<input type="checkbox"/>	CMM-POLARIS	CMM in cat 6500 slot 4 - bench 8								Communication Media Module	See Endpoints	

Add New Select All Clear All Delete Selected Reset Selected Rows per Page 50

Done Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT CCM_Polaris_5.02_PSTN... CCM_5.02 Testing Find and List Gateway... Local intranet 2:09 PM



Gateway Configuration - 2

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Gateway Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Gateway Details

Product	Communication Media Module
Gateway	CMM-POLARIS
Protocol	MGCP
Domain Name *	CMM-POLARIS
Description	CMM in cat 6500 slot 4 - bench 8
Cisco Unified CallManager Group *	Default

Configured Slots, VICs and Endpoints

Module in Slot 1 WVS-X6600

Subunit 0 WVS-X6600-6T1 1/0 T1P0 1/1 1/2 T1P0 1/3 1/4 T1P0 1/5

Module in Slot 2 < None >

Module in Slot 3 < None >

Module in Slot 4 < None >

Product Specific Configuration

Global ISDN Switch Type 4ESS

Switchback Timing * Graceful

Switchback uptime-delay (min) 10

Switchback schedule (hh:mm) 12:00

Fax mode * Fax Relay

Save Delete Reset Add New

* indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... Local intranet 10:02 AM



Gateway Configuration - 3

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Gateway Configuration Related Links: Back to MGCP Configuration Go

Status
Status: Ready

Device Information

Product Cisco MGCP T1 Port
Gateway CMM-POLARIS
Device Protocol Digital Access PRI
Registration Registered with Cisco Unified CallManager 172.20.236.50
IP Address 172.20.236.170
End-Point Name * S1/DS1-0@CMM-POLARIS
Description Avaya MV1.1 - Trunk Group 12

Device Pool* Default
Call Classification* OnNet
NetworkLocale United States
Media Resource Group List MRGL_Polaris
Location* Hub_None
AAR Group < None >
Load Information

☐ Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain < None >
MLPP Indication* Off
MLPP Preemption* Disabled

Interface Information

PRI Protocol Type* PRI ISO QSIG T1
Protocol Side* User
Channel Selection Order* Top Down
Channel IE Type* Use Number when 1B

Done

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... Local intranet 10:03 AM



Gateway Configuration - 4

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Interface Information

PRI Protocol Type* PRI ISO QSIG T1

Protocol Side* User

Channel Selection Order* Top Down

Channel IE Type* Use Number when 1B

PCM Type* μ -law

Delay for first restart (1/8 sec ticks)* 32

Delay between restarts (1/8 sec ticks)* 4

☒ Inhibit restarts at PRI initialization

☐ Enable status poll

☐ Unattended Port

Call Routing Information - Inbound Calls

Significant Digits* All

Calling Search Space tp_phones_rp

AAR Calling Search Space tp_phones_rp

Prefix DN

Call Routing Information - Outbound Calls

Calling Party Presentation* Default

Calling Party Selection* Originator

Called party IE number type unknown* Cisco CallManager

Calling party IE number type unknown* Cisco CallManager

Called Numbering Plan* Cisco CallManager

Calling Numbering Plan* Cisco CallManager

Number of digits to strip* 0

Caller ID DN

SMDI Base Port* 0

PRI Protocol Type Specific Information

☐ Display IE Delivery

☐ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE***

☐ Setup non-ISDN Progress Indicator IE Enable****

Done

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... Local intranet 10:03 AM



Gateway Configuration - 5

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

PRI Protocol Type Specific Information

☐ Display IE Delivery

☐ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE ***

☐ Setup non-ISDN Progress Indicator IE Enable ****

☐ MCDN Channel Number Extension Bit Set to Zero **

☐ Send Calling Name In Facility IE

☐ Interface Identifier Present **

Interface Identifier Value **

Connected Line ID Presentation (QSIG Inbound Call) *

UUIE Configuration

☐ Passing Precedence Level Through UUIE

Security Access Level *

Product Specific Configuration ?

Line Coding *

Framing *

Clock *

Input Gain (-6..14 db) *

Output Attenuation (-6..14 db) *

Echo Cancellation Enable *

Echo Cancel Coverage (ms) *

Save Delete Reset

Legend:

- *- indicates required item.
- ** - applies to DMS-100 protocol only.
- *** - applies to DMS-100 protocol and DMS-250 protocol only.
- **** - may be required to force ringback from some PBXs.
- ***** - Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... 10:03 AM



Gateway Configuration - 6

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Gateway Configuration Related Links: Back to MGCP Configuration Go

Status
Status: Ready

Device Information

Product	Cisco MGCP T1 Port
Gateway	CMM-POLARIS
Device Protocol	Digital Access PRI
Registration	Registered with Cisco Unified CallManager 172.20.236.50
IP Address	172.20.236.170
End-Point Name *	S1/DS1-4@CMM-POLARIS
Description	Avaya V7 - Trunk Group 11
Device Pool *	Default
Call Classification *	OnNet
NetworkLocale	United States
Media Resource Group List	MRGL_Polaris
Location *	Hub_None
AAR Group	< None >
Load Information	

☐ Transmit UTF-8 for Calling Party Name

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain	< None >
MLPP Indication *	Off
MLPP Preemption *	Disabled

Interface Information

PRI Protocol Type *	PRI ISO QSIG T1
Protocol Side *	User
Channel Selection Order *	Top Down
Channel IE Type *	Use Number when 1B

Done

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... Local intranet 10:07 AM



Gateway Configuration - 7

Gateway Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

PRI Protocol Type Specific Information

☐ Display IE Delivery

☐ Redirecting Number IE Delivery - Outbound

☐ Redirecting Number IE Delivery - Inbound

☐ Send Extra Leading Character in Display IE

☐ Setup non-ISDN Progress Indicator IE Enable

☐ MCDN Channel Number Extension Bit Set to Zero

☐ Send Calling Name In Facility IE

☐ Interface Identifier Present

Interface Identifier Value

Connected Line ID Presentation (QSIG Inbound Call)

UUIE Configuration

☐ Passing Precedence Level Through UUIE

Security Access Level*

Product Specific Configuration

Line Coding *

Framing *

Clock *

Input Gain (-6..14 db) *

Output Attenuation (-6..14 db) *

Echo Cancellation Enable *

Echo Cancel Coverage (ms) *

i *- indicates required item.

i ** - applies to DMS-100 protocol only.

i *** - applies to DMS-100 protocol and DMS-250 protocol only.

i **** - may be required to force ringback from some PBXs.

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

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... 172.20.33.51 - Te... ORIGIN~1 - Word... Cannot find serve... Gateway Config... Document - Word... 10:07 AM



Phone Configuration - 1

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Phone Configuration

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

Status: Ready

Association Information

Modify Button Items

- Line [1] - 5004 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURL
- Add a new BLF SD
- Privacy
- None

Phone Type

Product Type: Cisco 7960

Device Protocol: SCCP

Device Information

Registration: Registered with Cisco Unified CallManager 172.20.236.50

IP Address: 172.20.236.8

MAC Address*: 000BBEAD4C1C

Description: Lab test phone (5004)

Device Pool*: Default

Phone Button Template*: Standard 7960 SCCP

Softkey Template: Qsig Custom

Common Phone Profile*: Standard Common Phone Profile

Calling Search Space: rp_phones

AAR Calling Search Space: rp_phones

Media Resource Group List: MRGL_Polaris

User Hold Audio Source: 1-SampleAudioSource

Network Hold Audio Source: 1-SampleAudioSource

Location*: Hub_None

User Locale: English United States

Network Locale: United States

Built In Bridge*: Default

Privacy*: Default

Owner User ID: < None >

Phone Load Name:

☒ Retry Video Call as Audio

☐ Ignore Presentation Indicators (internal calls only)

☒ Allow Control of Device from CTI

Protocol Specific Information

Done

Start Tera Term - COM1 VT Tera Term - COM2 VT CCM_5.02 Testing Phone Configuration - ... Local intranet 11:26 AM



Phone Configuration - 2

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

☒ Retry Video Call as Audio
☐ Ignore Presentation Indicators (internal calls only)
☒ Allow Control of Device from CTI

Protocol Specific Information

Packet Capture Mode*
Packet Capture Duration
Presence Group*
SCCP Phone Security Profile*
SUBSCRIBE Calling Search Space
☐ Unattended Port
☐ Require DTMF Reception
☐ RFC2833 Disabled

Expansion Module Information

Module 1
Module 1 Load Name
Module 2
Module 2 Load Name

External Data Locations Information (Leave blank to use default)

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

Extension Information

☐ Enable Extension Mobility
Log Out Profile
Login in User ID
Log in Time

Start | Tera Term - COM1 VT | Tera Term - COM2 VT | CCM_5.02 Testing | Phone Configuration - ... | CCM5.02_Polaris_PhoneC... | Local intranet | 11:26 AM



Phone Configuration - 3

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Extension Information

☐ Enable Extension Mobility

Log Out Profile: -- Not Selected --

Login in User ID: < None >

Log in Time: < None >

Log out Time: < None >

Certification Authority Proxy Function (CAPF) Information

Certificate Operation*: No Pending Operation

Authentication String:

Operation Completes By: 2006 : 8 : 5 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

MLPP Information

MLPP Domain: < None >

MLPP Indication*: Default

MLPP Preemption*: Default

Secure Shell Information

Secure Shell User:

Secure Shell Password:

Product Specific Configuration Layout

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port *: Enabled

Settings Access*: Enabled

Gratuitous ARP*: Enabled

PC Voice VLAN Access*: Enabled

Video Capabilities*: Disabled

Auto Line Select*: Disabled

Web Access*: Enabled

Save Delete Copy Reset Add New

Start | Tera Term - COM1 VT | Tera Term - COM2 VT | CCM_5.02 Testing | Phone Configuration - ... | CCM5.02_Polaris_PhoneC... | Local intranet | 11:27 AM



Phone Configuration - 4

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Phone Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Association Information
Modify Button Items

- Line [1] - 5008 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURF
- Add a new BLF SD
- Privacy
- None

Phone Type
Product Type: Cisco 7961
Device Protocol: SIP

Device Information

Registration	Registered with Cisco Unified CallManager 172.20.236.50
IP Address	172.20.236.28
MAC Address*	00170EEE32C6
Description	SIP test phone - 5008
Device Pool*	Default
Phone Button Template*	Standard 7961 SIP
Softkey Template	Qsig Custom
Common Phone Profile*	Standard Common Phone Profile
Calling Search Space	tp_phones_rp
AAR Calling Search Space	tp_phones_rp
Media Resource Group List	MRGL_Polaris
User Hold Audio Source	1-SampleAudioSource
Network Hold Audio Source	1-SampleAudioSource
Location*	Hub_None
User Locale	English United States
Network Locale	United States
Built In Bridge*	Default
Privacy*	Default
Owner User ID	< None >
Phone Load Name	

☐ Ignore Presentation Indicators (internal calls only)

Start Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM_Polaris5.02_A... CCM_5.02 Testing Phone Configura... CCM_5.02_Avaya... 9:44 AM



Phone Configuration - 5

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Privacy* Default

Owner User ID < None >

Phone Load Name

☐ Ignore Presentation Indicators (internal calls only)

☒ Allow Control of Device from CTI

Protocol Specific Information

Packet Capture Mode* None

Packet Capture Duration 0

Presence Group* Standard Presence group

SIP Dial Rules < None >

MTP Preferred Originating Codec* 711ulaw

SIP Phone Security Profile* Standard SIP Profile for Auto Registration

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile* Standard SIP Profile

Digest User < None >

☐ Media Termination Point Required

☐ Unattended Port

☐ Require DTMF Reception

External Data Locations Information (Leave blank to use default)

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

Extension Information

☐ Enable Extension Mobility

Log Out Profile -- Not Selected --

Start

Tera Term - [disco...]

Tera Term: Log

Tera Term - COM1 VT

CCMPolaris5.02_A...

CCM_5.02 Testing

Phone Configura...

CCMPolaris5.02_E...

9:46 AM



Phone Configuration - 6

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Links

Time Timer (Seconds)

Extension Information

☐ Enable Extension Mobility

Log Out Profile: -- Not Selected --

Login in User ID: < None >

Log in Time: < None >

Log out Time: < None >

Certification Authority Proxy Function (CAPF) Information

Certificate Operation*: No Pending Operation

Authentication String:

Operation Completes By: 2006 : 8 : 12 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

MLPP Information

MLPP Domain: < None >

Secure Shell Information

Secure Shell User:

Secure Shell Password:

Product Specific Configuration Layout

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port *: Enabled

Settings Access*: Enabled

Gratuitous ARP*: Enabled

PC Voice VLAN Access*: Enabled

Video Capabilities*: Disabled

Auto Line Select*: Disabled

Web Access*: Enabled

Span to PC Port*: Disabled

Logging Display*: PC Controlled

Load Server:

Start

Tera Term - [disco...]

Tera Term: Log

Tera Term - COM1 VT

CCMPolaris5.02_A...

CCM_5.02 Testing

Phone Configura...

CCMPolaris5.02_E...

9:46 AM



Phone Configuration - 7

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Log out Time < None >

Certification Authority Proxy Function (CAPE) Information

Certificate Operation* No Pending Operation

Authentication String

Generate String

Operation Completes By 2006 : 8 : 12 : 12 (YYYY:MM:DD:HH)

Certificate Operation Status: None

MLPP Information

MLPP Domain < None >

Secure Shell Information

Secure Shell User

Secure Shell Password

Product Specific Configuration Layout

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port * Enabled

Settings Access* Enabled

Gratuitous ARP* Enabled

PC Voice VLAN Access* Enabled

Video Capabilities* Disabled

Auto Line Select* Disabled

Web Access* Enabled

Span to PC Port* Disabled

Logging Display* PC Controlled

Load Server

Save Delete Copy Reset Add New

*- indicates required item.

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

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM_Polaris5.02_A... | CCM_5.02 Testing | Phone Configura... | CCM_Polaris5.02_Extras - WordPad | 9:46 AM



Phone Configuration - 8

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Phone Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Association Information
Modify Button Items

- Line [1] - 5005 in phones
- Line [2] - Add a new DN
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Add a new SD
- Unassigned Associated Items -----
- Add a new SD
- Add a new SURF
- Add a new BLF SD
- Privacy
- None

Phone Type
Product Type: Cisco 7970
Device Protocol: SCCP

Device Information

Registration	Registered with Cisco Unified CallManager 172.20.236.50
IP Address	172.20.236.35
MAC Address*	000E839C1543
Description	7970 Set - Bench 8 (5005)
Device Pool*	Default
Phone Button Template*	Standard 7970 SCCP
Softkey Template	Qsig Custom
Common Phone Profile*	Standard Common Phone Profile
Calling Search Space	tp_phones_rp
AAR Calling Search Space	tp_phones_rp
Media Resource Group List	MRGL_Polaris
User Hold Audio Source	1-SampleAudioSource
Network Hold Audio Source	1-SampleAudioSource
Location*	Hub_None
User Locale	< None >
Network Locale	< None >
Built In Bridge*	Default
Privacy*	Default
Owner User ID	< None >
Phone Load Name	

☒ Retry Video Call as Audio

Start Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM_Polaris5.02_A... CCM_5.02 Testing Phone Configura... CCM_Polaris5.02_E... 9:51 AM



Phone Configuration - 9

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Privacy* Default
Owner User ID < None >
Phone Load Name
☒ Retry Video Call as Audio
☐ Ignore Presentation Indicators (internal calls only)
☐ Allow Control of Device from CTI

Protocol Specific Information
Packet Capture Mode* None
Packet Capture Duration 60
Presence Group* Standard Presence group
SCCP Phone Security Profile* Standard SCCP Profile for Auto Registration
SUBSCRIBE Calling Search Space < None >
☐ Unattended Port
☐ Require DTMF Reception
☐ RFC2833 Disabled

Expansion Module Information
Module 1 < None >
Module 1 Load Name
Module 2 < None >
Module 2 Load Name

External Data Locations Information (Leave blank to use default)
Information
Directory
Messages
Services
Authentication Server
Proxy Server
Idle
Idle Timer (seconds)

Extension Information
☐ Enable Extension Mobility

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM_Polaris5.02_A... | CCM_5.02 Testing | Phone Configura... | CCM_Polaris5.02_E... | 9:51 AM



Phone Configuration - 10

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Idle
Idle Timer (seconds)

Extension Information

☐ Enable Extension Mobility

Log Out Profile

Login in User ID
Log in Time
Log out Time

Certification Authority Proxy Function (CAPF) Information

Certificate Operation*

Authentication String

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

Certificate Operation Status: None

MLPP Information

MLPP Domain

MLPP Indication*

MLPP Preemption*

Secure Shell Information

Secure Shell User

Secure Shell Password

Product Specific Configuration Layout ?

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port *

Settings Access *

Gratuitous ARP*

PC Voice VLAN Access*

Video Capabilities*

Auto Line Select*

Web Access*

Device Display Web Access

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM_Polaris5.02_A... | CCM_5.02 Testing | Phone Configura... | CCM_Polaris5.02_E... | 9:51 AM



Phone Configuration - 11

Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Information

MLPP Domain: < None >

MLPP Indication*: Default

MLPP Preemption*: Default

Secure Shell Information

Secure Shell User:

Secure Shell Password:

Product Specific Configuration Layout

?

☐ Disable Speakerphone

☐ Disable Speakerphone and Headset

PC Port *: Enabled

Settings Access*: Enabled

Gratuitous ARP*: Enabled

PC Voice VLAN Access*: Enabled

Video Capabilities*: Disabled

Auto Line Select*: Disabled

Web Access*: Enabled

Days Display Not Active: Sunday

Monday

Tuesday

Display On Time: 07:30

Display On Duration: 10:30

Display Idle Timeout: 01:00

Span to PC Port*: Disabled

Logging Display*: PC Controlled

Load Server:

Save Delete Copy Reset Add New

*- indicates required item.

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

Start | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM-Polaris5.02_A... | CCM_5.02 Testing | Phone Configura... | CCM-Polaris5.02_E... | 9:51 AM



Directory Number Configuration - 1

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAAdministrator

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

Directory Number Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

Directory Number Information

Directory Number* 5004

Route Partition phones

Description

Alerting Name 5004-Alt-Pol

ASCII Alerting Name 5004-Alt-Pol

☒ Allow Control of Device from CTI

Associated Devices

SEP000BBEAD4C1C

SEP112233445566

Edit Device

Edit Line Appearance

▼ ▲

Dissociate Devices

Directory Number Settings

Voice Mail Profile Unity1 (Choose <None> to use system default)

Calling Search Space rp_phones

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN~1 - W... Microsoft Outlo... Directory Nu... Untitled - Mes... Local intranet 10:20 AM



Directory Number Configuration - 2

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Auto Answer* Auto Answer Off

Call Forward and Call Pickup Settings

Forward All ☐ or Voice Mail Destination tp_phones_rp

Secondary Calling Search Space for Forward All < None > Find

Forward Busy Internal ☐ or tp_phones_rp

Forward Busy External ☐ or tp_phones_rp

Forward No Answer Internal ☐ or tp_phones_rp

Forward No Answer External ☐ or tp_phones_rp

Forward No Coverage Internal ☐ or tp_phones_rp

Forward No Coverage External ☐ or tp_phones_rp

Forward on CTI Failure ☐ or < None >

No Answer Ring Duration (seconds)

Call Pickup Group < None >

MLPP Alternate Party Settings

Target (Destination)

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP000BBEAD4C1C

	Value	Update Shared Device Settings
Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Line Text Label	5004-Polaris	<input type="checkbox"/>
ASCII Line Text Label	5004-Polaris	<input type="checkbox"/>

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN-v1 - W... Microsoft Outlo... Directory Nu... Untitled - Mes... Local intranet 10:21 AM



Directory Number Configuration - 3

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP000BBEAD4C1C

	Value	Update Shared Device Settings
Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Line Text Label	5004-Polaris	<input type="checkbox"/>
ASCII Line Text Label	5004-Polaris	<input type="checkbox"/>
External Phone Number Mask		<input type="checkbox"/>
Message Waiting Lamp Policy*	Use System Policy	<input type="checkbox"/>
Ring Setting (Phone Idle)*	Use System Default	<input type="checkbox"/>
Ring Setting (Phone Active)	Use System Default	<input type="checkbox"/>
Applies to this line when any line on the phone has a call in progress.		
Propagate Selected		

Multiple Call/Call Waiting Settings on Device SEP000BBEAD4C1C

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

Maximum Number of Calls* 4

Busy Trigger* 1 (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP000BBEAD4C1C

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

Save Delete Copy Reset Add New

*- indicates required item.

Done

Start Tera Term - C... Tera Term - C... 172.20.33.51 - ... ORIGIN-v1 - W... Microsoft Outlo... Directory Nu... Untitled - Mes... Local intranet 10:22 AM



Directory Number Configuration - 4

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Directory Number Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

Directory Number Information

Directory Number* 5008

Route Partition phones

Description

Alerting Name 5008-Alt-SIP

ASCII Alerting Name 5008-Alt-SIP

☒ Allow Control of Device from CTI

Associated Devices

SEP00170EEE32C6 Edit Device

SEP001120CC61C5 Edit Line Appearance

▼ ▲

Dissociate Devices

Directory Number Settings

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

Calling Search Space rp_phones

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing CCM5.02_Polaris... Directory Numb... Tera Term: Log VirusScan On-Acc... Local intranet 11:04 AM



Directory Number Configuration - 5

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Call Forward and Call Pickup Settings

Forward All ☐ or Voice Mail Destination tp_phones_rp Calling Search Space tp_phones_rp

Secondary Calling Search Space for Forward All < None > Find

Forward Busy Internal ☐ or tp_phones_rp

Forward Busy External ☐ or tp_phones_rp

Forward No Answer Internal ☐ or tp_phones_rp

Forward No Answer External ☐ or tp_phones_rp

Forward No Coverage Internal ☐ or tp_phones_rp

Forward No Coverage External ☐ or tp_phones_rp

Forward on CTI Failure ☐ or < None >

No Answer Ring Duration (seconds)

Call Pickup Group < None >

MLPP Alternate Party Settings

Target (Destination)

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP001120CC61C5

	Value	Update Shared Device Settings
Display (Internal Caller ID)	5008-Polaris-SIP	<input type="checkbox"/>
name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	5008-Polaris-SIP	<input type="checkbox"/>
Line Text Label	5008-Polaris-SIP	<input type="checkbox"/>
ASCII Line Text Label	5008-Polaris-SIP	<input type="checkbox"/>
External Phone		<input type="checkbox"/>

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Directory Numb... Tera Term: Log VirusScan On-Acc... CCM_5.02_Polaris... Local intranet 11:06 AM



Directory Number Configuration - 6

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

No Answer Ring Duration (seconds)

Call Pickup Group

MLPP Alternate Party Settings

Target (Destination)

MLPP Calling Search Space

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP001120CC61C5

	Value	Update Shared Device Settings
Display (Internal Caller ID)	<input type="text" value="5008-Polaris-SIP"/>	<input type="checkbox"/>
name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	<input type="text" value="5008-Polaris-SIP"/>	<input type="checkbox"/>
Line Text Label	<input type="text" value="5008-Polaris-SIP"/>	<input type="checkbox"/>
ASCII Line Text Label	<input type="text" value="5008-Polaris-SIP"/>	<input type="checkbox"/>
External Phone Number Mask	<input type="text"/>	<input type="checkbox"/>
		<input type="button" value="Propagate Selected"/>

Multiple Call/Call Waiting Settings on Device SEP001120CC61C5

Note: The range to select the Max Number of calls is: 1-2

Maximum Number of Calls*

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

Forwarded Call Information Display on Device SEP001120CC61C5

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Directory Numb... Tera Term: Log VirusScan On-Acc... CCM_5.02_Polaris... 11:06 AM



Service Parameters Configuration - 1

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Service Parameter Configuration

Status
Status: Ready

Select Server and Service

Server * 172.20.236.50 (Active)

Service * -- Not Selected --

All parameter -- Not Selected --

the Clusterwide group(s).

er available for this service.

- indicates

- Cisco AMC Service (Active)
- Cisco Bulk Provisioning Service (Inactive)
- Cisco CAR Scheduler (Inactive)
- Cisco CTIManager (Active)
- Cisco CTL Provider (Inactive)
- Cisco CallManager (Active)
- Cisco CallManager Attendant Console Server (Inactive)
- Cisco CallManager SNMP Service (Inactive)
- Cisco Certificate Authority Proxy Function (Inactive)
- Cisco DRF Local (Active)

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_S.02 Testing Service Parame... Tera Term: Log VirusScan On-Acc... Document - Word... 1:15 PM



Service Parameters Configuration - 2

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Service Parameter Configuration Related Links: Parameters for All Servers Go

Status

Status: Ready

Select Server and Service

Server * 172.20.236.50 (Active)

Service * Cisco CallManager (Active)

All parameters apply only to the current server except parameters that are in the Clusterwide group(s).

Cisco CallManager (Active) Parameters on server 172.20.236.50 (Active)

Parameter Name	Parameter Value	Suggested Value
CCM Call Throttling		
Code Yellow Entry Latency *	20	20
Code Yellow Exit Latency Calculation *	40	40
Code Yellow Duration *	99999	99999
Max Events Allowed *	2000	2000
System Throttle Sample Size *	10	10
System		
CDR Enabled Flag *	False	False
CDR Log Calls with Zero Duration Flag *	False	False
Digit Analysis Complexity *	StandardAnalysis	StandardAnalysis
Database Debounce Timer *	0	0
Maximum Phone Fallback Queue Depth *	10	10
Maximum Number of Registered Devices *	5000	5000

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

CDR Terms

https://172.20.236.50:8443/ccmadmin/serviceParamEdit.do#navskip

Start Tera Term - COM1 VT Tera Term - COM2 VT Document - WordPad Service Parameter Co... Local intranet 6:05 PM



Service Parameters Configuration - 3

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

SIP statistics Periodic update Timer *	2	2
SIP Session Expires Timer *	1800	1800
SIP Trunk TspReq Retry *	2	2

Clusterwide Parameters (Feature - General)

Call Park Display Timer *	15	10
Call Park Reversion Timer *	90	60
Maximum Call Duration Timer *	720	720
Maximum Hold Duration Timer *	360	360
Party Entrance Tone *	True	True
Suppress MOH to Conference Bridge *	True	True
Message Waiting Lamp Policy *	Primary Line - Light and Prompt	Primary Line - Light and Prompt
Message Waiting Indicator Inbound Calling Search Space	tp_phones_rp	
Multiple Tenant MWI Modes *	False	False
MWI Non Message Center Signaling Call Duration *	0	0
Message Waiting Indicator APDU Digit Translation CSS	< None >	
Block OffNet To OffNet Transfer *	False	False
Drop Ad Hoc Conference *	Never	Never

Clusterwide Parameters (Feature - Forward)

Forward Maximum Hop Count *	12	12
Forward No Answer Timer *	12	12
Max Forward Hops to DN *	12	12
Retain Forward Information *	False	False
Forward By Reroute Enabled *	False	False
Transform Forward by Reroute Destination *	True	True
Always Forward Switch Voice Mail Calls *	True	True
Forward By Reroute T1 Timer *	10	10
Include Original Called Info for Q.SIG Call Diversions *	Only after the first diversion	Only after the first diversion

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

Set TRUE to enable Forward by Reroute

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Service Parame... Tera Term: Log VirusScan On-Acc... Document - Word... 1:16 PM



Service Parameters Configuration - 4

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

[Always Forward Switch Voice Mail Calls *](#) True True

[Forward By Reroute T1 Timer *](#) 10 10

[Include Original Called Info for Q.SIG Call Diversions *](#) Only after the first diversion Only after the first diversion

There are hidden parameters in this group. Click on Advanced button to see hidden parameters.

Clusterwide Parameters (Feature - Call Pickup)

[Auto Call Pickup Enabled *](#) False False

[Call Pickup Locating Timer *](#) 1 1

[Call Pickup No Answer Timer *](#) 12 12

Clusterwide Parameters (Feature - Refer)

[Validate Refer-to URI *](#) Validate Except for Anonymous Users Validate Except for Anonymous Users

Clusterwide Parameters (Feature - Replaces)

[Block OffNet To OffNet Replaces *](#) False False

Clusterwide Parameters (Feature - Redirection [3xx])

[Redirection Ring No Answer Reversion Timer *](#) 24 24

[Maximum Redirection Count *](#) 70 70

Clusterwide Parameters (Feature - Multilevel Precedence and Preemption)

[Locations-based MLPP Enable *](#) False False

[Executive Override Call Preemptable *](#) False False

Clusterwide Parameters (Feature - Path Replacement)

[Path Replacement Enabled *](#) False **Set TRUE to enable Path Replacement** False

[Path Replacement on Tromboned Calls *](#) False True

[Start Path Replacement Minimum Delay Time *](#) 1 0

[Start Path Replacement Maximum Delay Time *](#) 5 0

[Path Replacement T1 Timer *](#) 30 30

[Path Replacement T2 Timer *](#) 15 15

[Path Replacement PINX ID](#) 5007

[Path Replacement Calling Search Space](#) rp_phones

Clusterwide Parameters (Feature - Call Back)

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Service Param... Tera Term: Log VirusScan On-Acc... Document - Word... 1:16 PM



Service Parameters Configuration - 5

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Path Replacement PINX ID	15	
Path Replacement Calling Search Space	5007	
	rp_phones	

Clusterwide Parameters (Feature - Call Back)

Call Back Enabled Flag *	True	True
Call Back Notification Audio File Name *	CallBack.raw	CallBack.raw
Connection Proposal Type *	No Preference	Connection Retention
Connection Response Type *	Default to Connection Retention	Default to Connection Retention
Call Back Request Protection T1 Timer *	10	10
Call Back Recall T3 Timer *	20	20
Call Back Calling Search Space	tp_phones_rp	
No Path Reservation *	True	True
Set Private Numbering Plan for Call Back *	False	False

Clusterwide Parameters (Route Plan)

Stop Routing on Out of Bandwidth Flag *	False	False
Stop Routing on Unallocated Number Flag *	True	True
Stop Routing on User Busy Flag *	True	True

Clusterwide Parameters (Hunt List)

Stop Hunting on Out of Bandwidth Flag *	False	False
---	-------	-------

Clusterwide Parameters (Service)

Default Network Hold MOH Audio Source ID *	1	1
Default User Hold MOH Audio Source ID *	1	1
Duplex Streaming Enabled *	False	False
Maximum Ad Hoc Conference *	4	4
Maximum MeetMe Conference Unicast *	4	4
Media Exchange Interface Capability Timer *	8	8
Media Exchange Timer *	12	12
Media Exchange Stop Streaming Timer *	8	8

Done Local intranet 6:08 PM

Start Tera Term - COM1 VT Tera Term - COM2 VT Document - WordPad Service Parameter Co...



Service Parameters Configuration - 6

Service Parameter Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Flush To RSVP Priority Mapping	65533	65533
MLPP IMMEDIATE To RSVP Priority Mapping *	65532	65532
MLPP PL_PRIORITY To RSVP Priority Mapping *	65531	65531
MLPP PL_ROUTINE To RSVP Priority Mapping *	65530	65530
RSVP Audio Application ID *	AudioStream	AudioStream
RSVP Video Application ID *	VideoStream	VideoStream
QoS Policy Initialization Timer *	120	120
RSVP Session Manager Initialization Timer *	120	120
RSVP Response Timer *	2	2

TLS Packet Capture Configurations

Packet Capture Enable *	True	False
Packet Capture Max File Size (MB) *	2	2

Clusterwide Parameters(System - Presence)

Presence Subscription Throttling Threshold *	90000	90000
Presence Subscription Resume Threshold *	80	80
Default Inter-Presence Group Subscription *	Disallow Subscription	Disallow Subscription

Clusterwide Parameters (System - Dual Mode Mobility)

Integrated Dual-Mode Feature Enable *	False	False
H1 (Graceful) Handoff Number		
H1 Handoff Number Partition	< None >	
H2 Handoff Number		
H2 Handoff Number Partition	< None >	
Minimum Ring Timer *	2	2
Mobility Cisco CallManager Group	< None >	

Save Set to Default Advanced

- indicates required item.

Done Local intranet 6:09 PM

Start Tera Term - COM1 VT Tera Term - COM2 VT Document - WordPad Service Parameter Co...



Call Forward on No Reply and Busy - 1

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Directory Number Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Note: Changes to Line or Directory Number settings require restart.

Directory Number Information

Directory Number* 5004

Route Partition phones

Description

Alerting Name 5004-Alt-Pol

ASCII Alerting Name 5004-Alt-Pol

☒ Allow Control of Device from CTI

Associated Devices

SEP000BBEAD4C1C

SEP112233445566

Edit Device

Edit Line Appearance

▼ ▲

Dissociate Devices

Directory Number Settings

Voice Mail Profile Unity1 (Choose <None> to use system default)

Calling Search Space rp_phones

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Done

Start Tera Term - COM1... Tera Term - COM2... CCM5.02_AAR_Pa... CCM_5.02_Avaya... CCM_5.02 Testing CCM5.02 - Wor... Directory Numb... Local intranet 11:25 AM



Call Forward on No Reply and Busy - 2

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Presence Group* Standard Presence group

AAR Group pbxlab_AAR_group_1

User Hold Audio Source < None >

Network Hold Audio Source < None >

Auto Answer* Auto Answer Off

Call Forward and Call Pickup Settings

Voice Mail Destination Calling Search Space

Forward All ☐ or tp_phones_rp

Secondary Calling Search Space for Forward All < None > Find

Forward Busy Internal ☐ or 2104 tp_phones_rp

Forward Busy External ☐ or 2104 tp_phones_rp

Forward No Answer Internal ☐ or 2104 tp_phones_rp

Forward No Answer External ☐ or 2104 tp_phones_rp

Forward No Coverage Internal ☐ or tp_phones_rp

Forward No Coverage External ☐ or tp_phones_rp

Forward on CTI Failure ☐ or < None >

No Answer Ring Duration (seconds)

Call Pickup Group < None >

MLPP Alternate Party Settings

Target (Destination)

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP000BBEAD4C1C

	Value	Update Shared Device Settings
Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Display text for a line appearance is intended for displaying text such as a name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Line Text Label	5004-Polaris	<input type="checkbox"/>
ASCII Line Text Label	5004-Polaris	<input type="checkbox"/>

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... CCM_5.02_Avaya... CCM_5.02 Testing CCM-POL~2 - Wor... Directory Numb... 11:26 AM



Call Forward on No Reply and Busy - 3

Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Calling Search Space < None >

MLPP No Answer Ring Duration (seconds)

Line 1 on Device SEP000BBEAD4C1C

	Value	Update Shared Device Settings
Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
name instead of a directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.		
ASCII Display (Internal Caller ID)	5004-Polaris	<input type="checkbox"/>
Line Text Label	5004-Polaris	<input type="checkbox"/>
ASCII Line Text Label	5004-Polaris	<input type="checkbox"/>
External Phone Number Mask		<input type="checkbox"/>
Message Waiting Lamp Policy*	Use System Policy	<input type="checkbox"/>
Ring Setting (Phone Idle)*	Use System Default	<input type="checkbox"/>
Ring Setting (Phone Active)	Use System Default	<input type="checkbox"/>
Applies to this line when any line on the phone has a call in progress.		
		Propagate Selected

Multiple Call/Call Waiting Settings on Device SEP000BBEAD4C1C

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

Maximum Number of Calls* 4

Busy Trigger* 1 (Less than or equal to Max. Calls)

Forwarded Call Information Display on Device SEP000BBEAD4C1C

☒ Caller Name

☒ Caller Number

☒ Redirected Number

☒ Dialed Number

Save Delete Copy Reset Add New

*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... CCM_5.02_Avaya... CCM_5.02 Testing CCM POL~2 - Wor... Directory Numb... Local intranet 11:26 AM



Automated Alternate Route Configuration - 1

Find and List Automated Alternate Routing Groups - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Find and List Automated Alternate Routing Groups

+ - X

Status
1 records found

Search Options
Find Automated Alternate Routing Group where Name begins with Find Search Within Results
(name begins with any)

Search Results

Name
<input type="checkbox"/> pbxlab AAR_group_1

Add New Select All Clear All Delete Selected Rows per Page 50

Local intranet

Start Tera Term - COM1... Tera Term - COM2... CCMS_5.02_CallPi... Find and List Au... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing 6:36 PM



Automated Alternate Route Configuration - 2

Automated Alternate Routing Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Automated Alternate Routing Group Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Automated Alternate Routing Group Information

Name* pbxlab_AAR_group_1

Prefix Digits within pbxlab_AAR_group_1
Dial Prefix
pbxlab_AAR_group_1 88

Save Delete Add New

*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Automated Alte... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:37 PM



Partition Configuration - 1

Find and List Partitions - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Partitions

+ - X

Status
3 records found

Search Options
Find partition where Partition Name begins with Find ☐ Search Within Results
(name begins with any)

Search Results

	Partition Name	Description
<input type="checkbox"/>	phones	phones
<input type="checkbox"/>	route_p	route_p
<input type="checkbox"/>	translation_p	translation_p

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Find and List Par... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:37 PM



Partition Configuration - 2

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Partition Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Partition Name*
Description
Time Schedule
Time Zone ☒ Originating Device ☐ Specific Time Zone

Save Delete Reset Add New

*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:38 PM



Partition Configuration - 3

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Partition Configuration Related Links: Back To Find/List Go

Save X Add

Status
Status: Ready

Partition Name* route_p

Description route_p

Time Schedule < None >

Time Zone
☒ Originating Device
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i *- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:39 PM



Partition Configuration - 4

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Partition Configuration Related Links: Back To Find/List Go

Save X Add

Status
Status: Ready

Partition Name* route_p

Description route_p

Time Schedule < None >

Time Zone
☒ Originating Device
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i *- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:39 PM



Partition Configuration - 5

Partition Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Partition Configuration Related Links: Back To Find/List Go

Save X Add

Status
Status: Ready

Partition Name* translation_p

Description translation_p

Time Schedule < None >

Time Zone
☒ Originating Device
☐ Specific Time Zone Greenwich Standard Time

Save Delete Reset Add New

i *- indicates required item.

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Partition Config... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:40 PM



Calling Search Space Configuration - 1

Find and List Calling Search Spaces - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Calling Search Spaces

+ - X

Status
2 records found

Search Options
Find where Name begins with Find Search Within Results
(name begins with any)

Search Results

	CSS Name	Description	Copy
<input type="checkbox"/>	rp_phones		
<input type="checkbox"/>	tp_phones_rp		

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Find and List Cal... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing 6:42 PM



Calling Search Space Configuration - 2

Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Calling Search Space Configuration Related Links: Back To Find/List Go

Save X Print +

Status
Status: Ready

Calling Search Space Information
Name* tp_phones
Description

Route Partitions for this Calling Search Space
Available Partitions translation_p
Selected Partitions (Ordered by highest priority) phones route_p

Save Delete Copy Add New

*- indicates required item.

Done Local intranet 6:42 PM

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Calling Search S... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02_Testing



Calling Search Space Configuration - 3

Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Calling Search Space Configuration Related Links: Back To Find/List Go

Save X Print +

Status
Status: Ready

Calling Search Space Information
Name* tp_phones_rp
Description

Route Partitions for this Calling Search Space
Available Partitions

Selected Partitions
(Ordered by highest priority)
translation_p
route_p
phones

Save Delete Copy Add New

*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Calling Search S... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing 6:42 PM



Call Pickup Group Configuration - 1

Find and List Call Pickup Groups - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Call Pickup Groups

+ - X

Status
1 records found

Search Options
Find Call Pickup Group where Call Pickup Group Name begins with Find Search Within Results

Search Results

Call Pickup Group Name	Call Pickup Group Number	Partition	Description	Copy
<input type="checkbox"/> Path Replacement PG	5007	phones		

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - COM2... CCM_5.02_Route... Find and List Cal... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:34 PM



Call Pickup Group Configuration - 2

Call Pickup Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Call Pickup Group Configuration Related Links: Back To Find/List Go

Save Cancel Add

Status
Status: Ready

Call Pickup Group Information

Call Pickup Group Name* Path_Replacement_PG

Call Pickup Group Number* 5007

Description

Partition phones

Associated Call Pickup Group Information

Find Pickup Numbers by Numbers/Partition

Partition < None >

Call Pickup Group Numbers Contain Find

Available Call Pickup Groups (No Matches Found)

Add to Associated Call Pickup Groups

Current Associated Call Pickup Groups

Reverse Order of Selected Numbers

Selected Call Pickup Groups 5007/phones

Removed Call Pickup Groups



Call Pickup Group Configuration - 3

Call Pickup Group Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Status
Status: Ready

Call Pickup Group Information
Call Pickup Group Name* Path_Replacement_PG
Call Pickup Group Number* 5007
Description
Partition phones

Associated Call Pickup Group Information
Find Pickup Numbers by Numbers/Partition
Partition < None >
Call Pickup Group Numbers Contain Find
Available Call Pickup Groups (No Matches Found)
Add to Associated Call Pickup Groups

Current Associated Call Pickup Groups
Reverse Order of Selected Numbers
Selected Call Pickup Groups 5007/phones
Removed Call Pickup Groups (to be removed when you click Save)

Save Delete Copy Add New

* - indicates required item.

Done Local intranet 6:35 PM



Route Pattern Configuration (Enbloc) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Route Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Route Pattern* 210[1-4]

Route Partition route_p

Description To Avaya MV1.1

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence* Default

Gateway/Route List* S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Default

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:29 PM



Route Pattern Configuration (Enbloc) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Gateway/Route List * S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority
☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations
☐ Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation* Default
Calling Name Presentation* Default

Connected Party Transformations
Connected Line ID Presentation* Default
Connected Name Presentation* Default

Called Party Transformations
Discard Digits < None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)

ISDN Network-Specific Facilities Information Element
Network Service Protocol -- Not Selected --
Carrier Identification Code
Network Service Service Parameter Name Service Parameter Value
-- Not Selected -- < Not Exist >

Save Delete Copy Add New

*- indicates required item.

Done Local intranet 6:29 PM

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing



Route Pattern Configuration (Enbloc) - 3

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Route Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Route Pattern* 1600

Route Partition route_p

Description To Intuity AUDIX on AyayaMV1.1

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence* Default

Gateway/Route List* S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Allowed

Calling Name Presentation* Allowed

Connected Party Transformations

Connected Line ID Presentation* Allowed

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Ayaya... CCM_5.02 Testing Local intranet 6:30 PM



Route Pattern Configuration (Enbloc) - 4

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Gateway/Route List * S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority
☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations
☐ Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation* Allowed
Calling Name Presentation* Allowed

Connected Party Transformations
Connected Line ID Presentation* Allowed
Connected Name Presentation* Allowed

Called Party Transformations
Discard Digits < None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)

ISDN Network-Specific Facilities Information Element
Network Service Protocol -- Not Selected --
Carrier Identification Code
Network Service Service Parameter Name Service Parameter Value
-- Not Selected -- < Not Exist >

Save Delete Copy Add New

*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing 6:31 PM



Route Pattern Configuration (Overlap) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Route Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Route Pattern* 2

Route Partition route_p

Description overlap sending to Avaya MV1.1

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence* Default

Gateway/Route List* S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☒ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Default

Done

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing Local intranet 6:33 PM



Route Pattern Configuration (Overlap) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Gateway/Route List * S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☒ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Default

Connected Name Presentation* Default

Called Party Transformations

Discard Digits PreDot

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

ISDN Network-Specific Facilities Information Element

Network Service Protocol -- Not Selected --

Carrier Identification Code

Network Service	Service Parameter Name	Service Parameter Value
-- Not Selected --	< Not Exist >	

Save Delete Copy Add New

*- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - COM2... Document - Word... Route Pattern C... Cisco Employee C... CCM_5.02_Avaya... CCM_5.02 Testing 6:33 PM



Connected Name and Number Restriction (CONR, COLR) - 1

Translation Pattern Configuration

Find and List Translation Patterns - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as:CCMAdministrator

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

Find and List Translation Patterns

+ - X

Status
1 records found

Search Options
Find Translation patterns where Pattern begins with Find Search Within Results
(numplan.dnorpattern begins with any)

Search Results

Translation Pattern	Partition	Description	Route Filter	Copy
<input type="checkbox"/> 509X	translation_p	Translation Pattern for Incoming Calls		

Add New Select All Clear All Delete Selected Rows per page 50

Done Start Find and List Tr... Tera Term - [di... Tera Term: Log Tera Term - CO... CCM_5.02 Test... CCM_5.02_Ava... Document - Wo... Local intranet 11:02 AM



Connected Name and Number Restriction (CONR, COLR) - 2

Translation Pattern Configuration

Translation Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Translation Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Translation Pattern 509X

Partition translation_p

Description Translation Pattern for Incoming Calls

Numbering Plan < None >

Route Filter < None >

MLPP Precedence* Default

Calling Search Space tp_phones_rp

Route Option
☒ Route this pattern
☐ Block this pattern No Error

☒ Provide Outside Dial Tone ☒ Urgent Priority

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Restricted

Connected Name Presentation* Restricted

Called Party Transformations

Discard Digits < None >

Called Party Transform Mask

Done

Start Translation Patt... Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM_5.02 Testing CCM_5.02_Avaya... Document - WordPad 11:03 AM



Calling Name and Number Restriction (CNIR and CLIR) - 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Route Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Route Pattern* 210[1-4]
Route Partition route_p
Description To Avaya MV1.1
Numbering Plan -- Not Selected --
Route Filter < None >
MLPP Precedence* Default
Gateway/Route List* S2/DS1-0@CMM-POLARIS (Edit) Find
Route Option
☒ Route this pattern
☐ Block this pattern No Error
Call Classification* OnNet
☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority
☐ Require Forced Authorization Code
Authorization Level* 0
☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation* Restricted
Calling Name Presentation* Restricted

Connected Party Transformations

Connected Line ID Presentation* Default

Done

Start | Route Pattern C... | Tera Term - [disco... | Tera Term: Log | Tera Term - COM1 VT | CCM_5.02 Testing | CCM_5.02_Avaya... | Document - WordPad | 11:05 AM



Calling Name and Number Restriction (CNIR and CLIR) - 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Gateway/Route List * S2/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority
☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations
☐ Use Calling Party's External Phone Number Mask
Calling Party Transform Mask
Prefix Digits (Outgoing Calls)
Calling Line ID Presentation* Restricted
Calling Name Presentation* Restricted

Connected Party Transformations
Connected Line ID Presentation* Default
Connected Name Presentation* Default

Called Party Transformations
Discard Digits < None >
Called Party Transform Mask
Prefix Digits (Outgoing Calls)

ISDN Network-Specific Facilities Information Element
Network Service Protocol -- Not Selected --
Carrier Identification Code
Network Service Service Parameter Name Service Parameter Value
-- Not Selected -- < Not Exist >

Save Delete Copy Add New

*- indicates required item.

Done Local intranet

Start Route Pattern C... Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT CCM_5.02 Testing CCM_5.02_Avaya... Document - WordPad 11:05 AM



Voice Mail Port Configuration - 1

Find and List Voice Mail Ports - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Voice Mail Ports

+ - X

Status
4 records found

Search Options
Find Voice Mail Port where Device Name begins with Find Search Within Results
(device.name begins with any) Select item or enter search text

Search Results

Device Name	Description	Device Pool	SCCP Security Profile	Status	IP Address	Copy
<input type="checkbox"/> CiscoUM1-VI1	Unity 1 - port 1	Default	Standard SCCP Profile for Auto Registration	Registered with 172.20.236.50	172.20.236.253	
<input type="checkbox"/> CiscoUM1-VI2	Unity 1 - port 1	Default	Standard SCCP Profile for Auto Registration	Registered with 172.20.236.50	172.20.236.253	
<input type="checkbox"/> CiscoUM1-VI3	Unity 1 - port 1	Default	Standard SCCP Profile for Auto Registration	Registered with 172.20.236.50	172.20.236.253	
<input type="checkbox"/> CiscoUM1-VI4	Unity 1 - port 1	Default	Standard SCCP Profile for Auto Registration	Registered with 172.20.236.50	172.20.236.253	

Add New Select All Clear All Delete Selected Reset Selected Rows per Page 50

Done Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Find and List Voi... Tera Term: Log CCM_5.02_Avaya... CCM5POL~3 - Wor... Local intranet 2:26 PM



Voice Mail Port Configuration - 2

Voice Mail Port Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Voice Mail Port Configuration Related Links: Back To Find/List Go

Save X Undo Redo +

Status
Status: Ready

Device Information

Registration	Registered with Cisco Unified CallManager 172.20.236.50
IP Address	172.20.236.253
Port Name*	CiscoUM1-VI1
Description	Unity 1 - port 1
Device Pool*	Default
Calling Search Space	rp_phones
AAR Calling Search Space	< None >
Location*	Hub_None
SCCP Phone Security Profile*	Standard SCCP Profile for Auto Registration

Directory Number Information

Directory Number*	6603
Partition	phones
Calling Search Space	rp_phones
AAR Group	< None >
Internal Caller ID Display	VoiceMail
Internal Caller ID Display (ASCII format)	VoiceMail
External Number Mask	

Save Delete Copy Reset Add New

* - indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Voice Mail Port ... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... Local intranet 2:26 PM



Message Waiting (MWI) Configuration - 1

Find and List Message Waiting Numbers - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Message Waiting Numbers

+ - X

Status
2 records found

Search Options
Find Message Waiting Numbers where Directory Number begins with Find Search Within Results
and where Message Waiting Indicator is Both
(numplan.dnorpattern begins with any)

Search Results

	Directory Number	Description	Partition	Calling Search Space	Copy
<input type="checkbox"/>	8001		phones	rp_phones	
<input type="checkbox"/>	8002		phones	rp_phones	

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Find and List Me... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:27 PM



Message Waiting (MWI) Configuration - 2

Message Waiting Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Message Waiting Configuration Related Links: Back To Find/List Go

Save X Delete +

Status
Status: Ready

Message Waiting Information

Message Waiting Number* 5001

Partition phones

Description

Message Waiting Indicator* ☒ On ☐ Off

Calling Search Space rp_phones

Save Delete Copy Add New

i *- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Message Waitin... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:29 PM



Message Waiting (MWI) Configuration - 3

Message Waiting Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Message Waiting Configuration Related Links: Back To Find/List Go

Save X Delete +

Status
Status: Ready

Message Waiting Information

Message Waiting Number* 0002

Partition phones

Description

Message Waiting Indicator* ☐ On ☒ Off

Calling Search Space rp_phones

Save Delete Copy Add New

i *- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Message Waitin... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:30 PM



Voice Mail Profile Configuration - 1

Find and List Voice Mail Profiles - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Voice Mail Profiles

+ - X

Status
5 records found

Search Options
Find Voice Mail Profile where Voice Mail Profile Name begins with **Find** ☐ Search Within Results
(voicemailprofile.name begins with any)

Search Results

	Name	Description	Pilot	Calling Search Space	Copy
<input type="checkbox"/>	Audix	Audix voicemail on Avaya PBX	1600	rp_phones	
<input type="checkbox"/>	Default	Default voice messaging profile	5100	rp_phones	
<input type="checkbox"/>	NoVoiceMail	No Voice Mail			
<input type="checkbox"/>	Unity1	Unity1 voicemail	4050	tp_phones_rp	
<input type="checkbox"/>	iDvert_test		2104	rp_phones	

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Find and List Voi... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:32 PM



Voice Mail Profile Configuration - 2

Voice Mail Profile Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Voice Mail Profile Configuration Related Links: Back To Find/List Go

Save X Undo Redo +

Status
Status: Ready

Voice Mail Profile Information
Voice Mail Profile Audix (used by 0 devices)
Voice Mail Profile Name* Audix
Description Audix voicemail on Avaya PBX
Voice Mail Pilot** 1600/rp_phones
Voice Mail Box Mask
☐ Make this the default Voice Mail Profile for the System

Save Delete Copy Reset Add New

i *- indicates required item.
i **- The Voice Mail Pilot is comprised of the Voice Mail Pilot Number and it's corresponding Calling Search Space Name (< Voice Mail Pilot Number >/< Calling Search Space >).

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Voice Mail Profil... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:33 PM



Voice Mail Profile Configuration - 3

Voice Mail Profile Configuration - Microsoft Internet Explorer






File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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



Voice Mail Profile Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Voice Mail Profile Information
Voice Mail Profile Unity1 (used by 42 devices)
Voice Mail Profile Name* Unity1
Description Unity1 voicemail
Voice Mail Pilot** 4050/tp_phones_rp
Voice Mail Box Mask
☒ Make this the default Voice Mail Profile for the System

Save Delete Copy Reset Add New

 *- indicates required item.
 **- The Voice Mail Pilot is comprised of the Voice Mail Pilot Number and it's corresponding Calling Search Space Name (< Voice Mail Pilot Number >/< Calling Search Space >).

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Voice Mail Profil... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... Local intranet 2:37 PM



Voice Mail Pilot Configuration - 1

Find and List Voice Mail Pilots - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Voice Mail Pilots

+ - X

Status
7 records found

Search Options
Find Voice Mail Pilots where Voice Mail Pilot Number begins with Find

Search Results

Pilot Number	Description	Calling Search Space
<input type="checkbox"/>	No Voice Mail Default	
<input type="checkbox"/> 1600	Audix	rp_phones
<input type="checkbox"/> 2104		rp_phones
<input checked="" type="checkbox"/> 4050	Unity1	tp_phones_rp
<input type="checkbox"/> 5050	Octel 200	rp_phones
<input type="checkbox"/> 5100	Octel 250	rp_phones

Add New Select All Clear All Delete Selected Rows per Page 50

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Find and List Voi... Tera Term: Log CCM_5.02_Avaya... CCMPolaris_5_Call... 2:21 PM



Voice Mail Pilot Configuration - 2

Voice Mail Pilot Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Voice Mail Pilot Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Voice Mail Pilot Information

Voice Mail Pilot Number

Calling Search Space

Description

☐ Make this the default Voice Mail Pilot for the system

Save Delete Add New

*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Voice Mail Pilot ... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... Local intranet 2:24 PM



Voice Mail Pilot Configuration - 3

Voice Mail Pilot Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Voice Mail Pilot Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Voice Mail Pilot Information

Voice Mail Pilot Number

Calling Search Space

Description

☒ Make this the default Voice Mail Pilot for the system

Save Delete Add New

*- indicates required item.

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Voice Mail Pilot ... Tera Term: Log CCM_5.02_Avaya... CCM5.02 - Wor... Local intranet 2:25 PM



CallBack Softkey Template - 1

Find and List Softkey Templates - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Find and List Softkey Templates

+ - X

Status
6 records found

Search Options
Find Softkey Template where Name begins with Find Search Within Results
and where Softkey Template is Both
(softkeytemplate.name begins with any)

Search Results

Name	Description	Copy
<input type="checkbox"/> Qsig Custom	Standard Softkey Template for CM QSIG Features	
<input type="checkbox"/> Standard Feature	Standard Softkey Template for CM Combined Feature	
<input type="checkbox"/> Standard IPMA Assistant	Standard template for IPMA assistant interface	
<input type="checkbox"/> Standard IPMA Manager	Standard template for IPMA manager interface	
<input type="checkbox"/> Standard IPMA Shared Mode Manager	Standard template for IPMA shared mode manager	
<input type="checkbox"/> Standard User	Standard Softkey Template for CallManager only	

Add New Select All Clear All Delete Selected Rows per Page 50

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Find and List Sof... Tera Term: Log CCM_5.02_Avaya... CCMPOL~3 - Wor... 2:48 PM



CallBack Softkey Template - 2

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Configure Softkey Layout Go

Save X Add New

Status
Status: Ready

Softkey Template Information

Name*	Qsig Custom
Description	Standard Softkey Template for CM QSIG Features
Applications*	Cisco CallManager

Add Application Remove Application

Save Delete Copy Add New Reset

i *- indicates required item.

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCM5POL~4 - Wor... 2:48 PM



CallBack Softkey Template - 3

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: On Hook

Unselected Softkeys	Selected Softkeys (ordered by position)**
Conference List (ConfList)	Redial (Redial)
Direct Transfer (DirTrfr)	**NewCall (NewCall)
Group Pick Up (GPickUp)	End Call (EndCall)
Immediate Divert (iDivert)	Forward All (CfwdAll)
Join (Join)	Call Back (CallBack)
Meet Me (MeetMe)	
Other Pickup (oPickup)	
Pick Up (PickUp)	
Quality Report Tool (QRT)	
Remove Last Conference Party (RmLstC)	
Select (Select)	
Undefined (Undefined)	
Video Mode Command (VidMode)	

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 3:15 PM



CallBack Softkey Template - 4

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Connected

Unselected Softkeys	Selected Softkeys (ordered by position)**
Immediate Divert (iDivert)	Hold (Hold)
Quality Report Tool (QRT)	**End Call (EndCall)
Undefined (Undefined)	Transfer (Trnsfer)
	Park (Park)
	Conference (Confrm)
	Conference List (Conflist)
	Select (Select)
	Join (Join)
	Direct Transfer (DirTrfr)
	Toggle Malicious Call Trace (MCID)
	Remove Last Conference Party (RmLstC)
	Video Mode Command (VidMode)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 2:49 PM



CallBack Softkey Template - 5

Softkey Template Configuration - Microsoft Internet Explorer

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: On Hold

Unselected Softkeys
Immediate Divert (iDivert)
Undefined (Undefined)

Selected Softkeys (ordered by position)**
**Resume (Resume)
NewCall (NewCall)
Direct Transfer (DirTrfr)
Select (Select)
Join (Join)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Contains commands for working with the selected items.

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 2:49 PM



CallBack Softkey Template - 6

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure Ring In

Unselected Softkeys
Undefined (Undefined)

Selected Softkeys (ordered by position)**
Answer (Answer)
Immediate Divert (Divert)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 2:56 PM



CallBack Softkey Template - 7

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Off Hook

Unselected Softkeys	Selected Softkeys (ordered by position)**
Other Pickup (oPickup)	Redial (Redial)
Undefined (Undefined)	**End Call (EndCall)
	Forward All (CfwdAll)
	Pick Up (PickUp)
	Group Pick Up (GPickUp)
	Meet Me (MeetMe)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... Local intranet 2:57 PM



CallBack Softkey Template - 8

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Connected Transfer

Unselected Softkeys
Call Back (CallBack)
Quality Report Tool (QRT)
Undefined (Undefined)

Selected Softkeys (ordered by position)**
Undefined (Undefined)
End Call (EndCall)
**Transfer (Trnsfer)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 2:57 PM



CallBack Softkey Template - 9

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Digits After First

Unselected Softkeys
Undefined (Undefined)

Selected Softkeys (ordered by position)**
**Backward (<<)
End Call (EndCall)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 3:12 PM



CallBack Softkey Template - 10

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Connected Conference

Unselected Softkeys	Selected Softkeys (ordered by position)**
Quality Report Tool (QRT)	Undefined (Undefined)
Undefined (Undefined)	End Call (EndCall)
	**Conference (Confm)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet 3:12 PM



CallBack Softkey Template - 11

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure Ring Out

Unselected Softkeys
Undefined (Undefined)

Selected Softkeys (ordered by position)**
**End Call (EndCall)
Direct Transfer (DirTrfr)
Call Back (CallBack)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 3:13 PM



CallBack Softkey Template - 12

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Off Hook With Feature

Unselected Softkeys
Undefined (Undefined)

Selected Softkeys (ordered by position)**
Redial (Redial)
**End Call (EndCall)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done Local intranet

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 3:13 PM



CallBack Softkey Template - 13

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Softkey Template Configuration Related Links: Softkey Template Configuration Go

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Qsig Custom
Select a call state to configure: Remote In Use

Unselected Softkeys

Selected Softkeys (ordered by position)**

- Barge (Barge)
- NewCall (NewCall)
- Conference Barge (cBarge)

Save Reset

*- indicates required item.
**- indicates mandatory fields

Done

Start Tera Term - COM1... Tera Term - [disco... CCM_5.02 Testing Softkey Templa... Tera Term: Log CCM_5.02_Avaya... CCMPOL~4 - Wor... 3:14 PM



CallBack Softkey Template 14

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print Copy Paste

Address <https://172.20.235.254/ccmadmin/softkeyTemplateLayoutEdit.do?key=2ccfd772-206d-2a91-cf58-49b0dbe383e4&callState=9> Go

Navigation Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCM

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

Softkey Template Configuration Related Links: Softkey Template Configuration

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Standard User With Callback
Select a call state to configure: Off Hook With Feature

Unselected Softkeys
Undefined (Undefined)

Selected Softkeys (ordered by position)**
Redial (Redial)
**End Call (EndCall)

Save Reset

Done Local intranet

Start A. VR. S. T. n. T. C. L. t. Q. p. M. D. C. C. 9:01 AM



CallBack Softkey Template 15

Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print

Address <https://172.20.235.254/ccmadmin/softkeyTemplateLayoutEdit.do?key=2ccfd772-206d-2a91-cf58-49b0dbe383e4&callState=10> Go

Navigation Cisco Unified CallManager Administration

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCM

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

Softkey Template Configuration Related Links: Softkey Template Configuration

Status
Status: Ready

Softkey Layout Configuration
Softkey Template: Standard User With Callback
Select a call state to configure Remote In Use

Unselected Softkeys
Conference Barge (cBarge)

Selected Softkeys (ordered by position)**
Barge (Barge)
NewCall (NewCall)

Save Reset

Done Local intranet

Start A VR S T n T C L t Q p M D C C 9:01 AM



PSTN Route Pattern Configuration – 1

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

Navigation Cisco Unified CallManager Administration Go

Cisco Unified CallManager Administration For Cisco IP Telecommunication Solutions Logged in as: CCMAdministrator

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

Route Pattern Configuration Related Links: Back To Find/List Go

Status
Status: Ready

Pattern Definition

Route Pattern* 96503646325

Route Partition route_p

Description

Numbering Plan -- Not Selected --

Route Filter < None >

MLPP Precedence* Default

Gateway/Route List* S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option
☒ Route this pattern
☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Default

Connected Name Presentation* Default

Start Tera Term - [disconnect...] Tera Term: Log Tera Term - COM1 VT Desktop Route Pattern Config... CCM_5.02_Avaya_T1... 12:50 PM



PSTN Route Pattern Configuration – 2

Route Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links

MLPP Precedence* Default

Gateway/Route List* S1/DS1-0@CMM-POLARIS (Edit) Find

Route Option

☒ Route this pattern

☐ Block this pattern No Error

Call Classification* OnNet

☐ Allow Device Override ☐ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level* 0

☐ Require Client Matter Code

Calling Party Transformations

☐ Use Calling Party's External Phone Number Mask

Calling Party Transform Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation* Default

Calling Name Presentation* Default

Connected Party Transformations

Connected Line ID Presentation* Default

Connected Name Presentation* Default

Called Party Transformations

Discard Digits < None >

Called Party Transform Mask

Prefix Digits (Outgoing Calls)

ISDN Network-Specific Facilities Information Element

Network Service Protocol -- Not Selected --

Carrier Identification Code

Network Service	Service Parameter Name	Service Parameter Value
-- Not Selected --	< Not Exist >	

Save Delete Copy Add New

*- indicates required item.

Start Tera Term - [disco... Tera Term: Log Tera Term - COM1 VT Desktop Route Pattern C... CCM_5_02_Avaya... Document - WordPad 12:51 PM



Cisco CMM-T1 Gateway Configuration

```
Current configuration : 4359 bytes
!
version 12.4
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname CMM-POLARIS
!
boot-start-marker
boot system bootflash:wscmm-ipvoicek9-mz.124-8.bin
boot-end-marker
!
logging buffered 1000000 debugging
no logging console
!
no aaa new-model
!
resource policy
!
mmi polling-interval 60
mmi auto-configure
no mmi pvc
mmi snmp-timeout 180
ip tcp synwait-time 13
!
ip host CM-MARS 172.20.231.254
ip host CM-VENUS 172.20.214.254
!
isdn switch-type primary-4ess
!
!
controller T1 1/0
framing esf
linecode b8zs
pri-group timeslots 1-24 service mgcp
!
controller T1 1/1
framing esf
linecode b8zs
pri-group timeslots 1-24 service mgcp
!
controller T1 1/2
framing esf
linecode b8zs
pri-group timeslots 1-24 service mgcp
!
controller T1 1/3
framing esf
linecode b8zs
pri-group timeslots 1-24
!
controller T1 1/4
framing esf
linecode b8zs
pri-group timeslots 1-24 service mgcp
```



```
!  
controller T1 1/5  
  framing esf  
  linecode b8zs  
  pri-group timeslots 1-24 service mgcp  
!  
controller E1 2/0  
  pri-group timeslots 1-31 service mgcp  
!  
controller E1 2/1  
!  
controller E1 2/2  
!  
controller E1 2/3  
!  
controller E1 2/4  
  pri-group timeslots 1-31 service mgcp  
!  
controller E1 2/5  
!  
!  
interface GigabitEthernet1/0  
  ip address 172.20.236.170 255.255.255.0  
  no ip proxy-arp  
  no negotiation auto  
  no keepalive  
!  
interface Serial1/0:23  
  no ip address  
  encapsulation hdlc  
  no logging event link-status  
  isdn switch-type primary-qsig  
  isdn incoming-voice voice  
  isdn bind-l3 ccm-manager  
  isdn bchan-number-order ascending  
  no cdp enable  
!  
interface Serial1/1:23  
  no ip address  
  encapsulation hdlc  
  no logging event link-status  
  isdn switch-type primary-qsig  
  isdn protocol-emulate network  
  isdn incoming-voice voice  
  isdn T310 120000  
  isdn bind-l3 ccm-manager  
  no cdp enable  
!  
interface Serial1/2:23  
  no ip address  
  encapsulation hdlc  
  no logging event link-status  
  isdn switch-type primary-qsig  
  isdn incoming-voice voice  
  isdn bind-l3 ccm-manager  
  isdn bchan-number-order ascending  
  no cdp enable  
!  
interface Serial1/3:23
```



```
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bchan-number-order ascending
no cdp enable
!
interface Serial1/4:23
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial1/5:23
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial2/0:15
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
interface Serial2/4:15
no ip address
encapsulation hdlc
no logging event link-status
isdn switch-type primary-qsig
isdn incoming-voice voice
isdn bind-l3 ccm-manager
no cdp enable
!
ip default-gateway 172.20.236.1
ip route 0.0.0.0 0.0.0.0 172.20.236.1
!
no ip http server
no ip http secure-server
!
!
control-plane
!
!
voice-port 1/0:23
!
voice-port 1/1:23
!
voice-port 1/2:23
```



```
!  
voice-port 1/3:23  
!  
voice-port 1/4:23  
!  
voice-port 1/5:23  
!  
voice-port 2/0:15  
!  
voice-port 2/4:15  
!  
ccm-manager mgcp  
ccm-manager music-on-hold  
ccm-manager config server 172.20.236.50  
ccm-manager config  
!  
mgcp  
mgcp call-agent 172.20.236.50 2427 service-type mgcp version 0.1  
mgcp dtmf-relay voip codec all mode out-of-band  
mgcp rtp unreachable timeout 1000 action notify  
mgcp modem passthrough voip mode nse  
mgcp package-capability rtp-package  
no mgcp package-capability res-package  
mgcp package-capability sst-package  
mgcp package-capability pre-package  
no mgcp timer receive-rtcp  
mgcp sdp simple  
mgcp fax t38 inhibit  
mgcp rtp payload-type g726r16 static  
!  
mgcp profile default  
!  
!  
!  
!  
dial-peer voice 1 pots  
service mgcpapp  
port 1/0:23  
!  
dial-peer voice 2 pots  
service mgcpapp  
port 1/1:23  
!  
dial-peer voice 3 pots  
service mgcpapp  
port 1/2:23  
!  
dial-peer voice 4 pots  
service mgcpapp  
!  
dial-peer voice 5 pots  
service mgcpapp  
port 1/4:23  
!  
dial-peer voice 6 pots  
service mgcpapp  
port 1/5:23  
!  
!
```




```
line con 0
  transport output all
line vty 0 4
login
  transport input all
  transport output all
!
!
end
```

CMM-POLARIS#



PSTN Gateway (Cisco 3745) Configuration

3745E1#sh run

Building configuration...

Current configuration : 1806 bytes

```
!  
version 12.4  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname 3745E1  
!  
boot-start-marker  
boot system flash:c3745-ipvoice-mz.124-3.bin  
boot system slot0:C3745-ipvoice-mz.shamu_p2_18  
boot-end-marker  
!  
logging buffered 1000000 debugging  
!  
no aaa new-model  
!  
resource policy  
!  
no network-clock-participate slot 2  
no network-clock-participate slot 3  
no network-clock-participate slot 4  
voice-card 2  
no dspfarm  
!  
voice-card 3  
dspfarm  
!  
voice-card 4  
dspfarm  
!  
ip subnet-zero  
ip cef  
ip tcp synwait-time 13  
!  
!  
!  
!  
isdn switch-type primary-ni  
!  
!  
no voice call carrier capacity active  
!  
!  
!  
!  
!  
!  
!  
!  
!
```



```
!  
!  
controller T1 4/0  
  framing esf  
  linecode b8zs  
  pri-group timeslots 1-24  
!  
controller T1 4/1  
  framing sf  
  linecode ami  
!  
translation-rule 1  
  Rule 1 914085275004 5004  
  Rule 2 914085275004 5005  
!  
!  
!  
!  
interface FastEthernet0/0  
  ip address 172.20.33.52 255.255.255.0  
  duplex auto  
  speed auto  
!  
interface FastEthernet0/1  
  no ip address  
  shutdown  
  duplex auto  
  speed auto  
!  
interface Serial4/0:23  
  no ip address  
  isdn switch-type primary-ni  
  isdn incoming-voice voice  
  no cdp enable  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 172.20.31.1  
ip route 0.0.0.0 0.0.0.0 FastEthernet0/0  
ip route 0.0.0.0 0.0.0.0 172.20.33.1  
!  
ip http server  
!  
!  
!  
!  
control-plane  
!  
!  
!  
voice-port 2/0/0  
  station-id name Yahoo-PSTN  
!  
voice-port 2/0/1  
!  
voice-port 4/0:23  
!  
!  
no mgcp package-capability res-package  
no mgcp package-capability fxr-package
```



```
no mgcp timer receive-rtcp
!
!
!
dial-peer voice 1 pots
destination-pattern 6503646325
port 2/0/0
!
dial-peer voice 2 pots
destination-pattern 91408527....
translate-outgoing called 1
direct-inward-dial
port 4/0:23
!
!
line con 0
line aux 0
line vty 0 4
exec-timeout 0 0
password CISCO
login
!
!
end

3745E1#
```



Acronyms

Acronym	Definitions
ANF-PR	Additional Network Feature Path Replacement
CCM	Cisco CallManager
CCBS	Call Completion to Busy Subscriber
CCNR	Call Completion on No Reply
CFB	Call Forwarding on Busy
CFNR	Call Forwarding No Reply
CFU	Call Forwarding Unconditional
CLIP	Calling Line (Number) Identification Presentation
CLIR	Calling Line (Number) Identification Restriction
CNIP	Calling Name Identification Presentation
CNIR	Calling Name Identification Restriction
COLP	Connected Line (Number) Identification Presentation
COLR	Connected Line (Number) Identification Restriction
CONP	Connected Name Identification Presentation
CONR	Connected Name Identification Restriction
CT	Call Transfer
MWI	Message Waiting Indicator
PSTN	Public Switched Telephone Network



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