



PBX Interoperability: Alcatel 4400 Release 5.1 PBX to a Cisco 3745 using 3745 E1 ECMA QSIG with MGCP and Cisco Unified CallManager Release 4.1

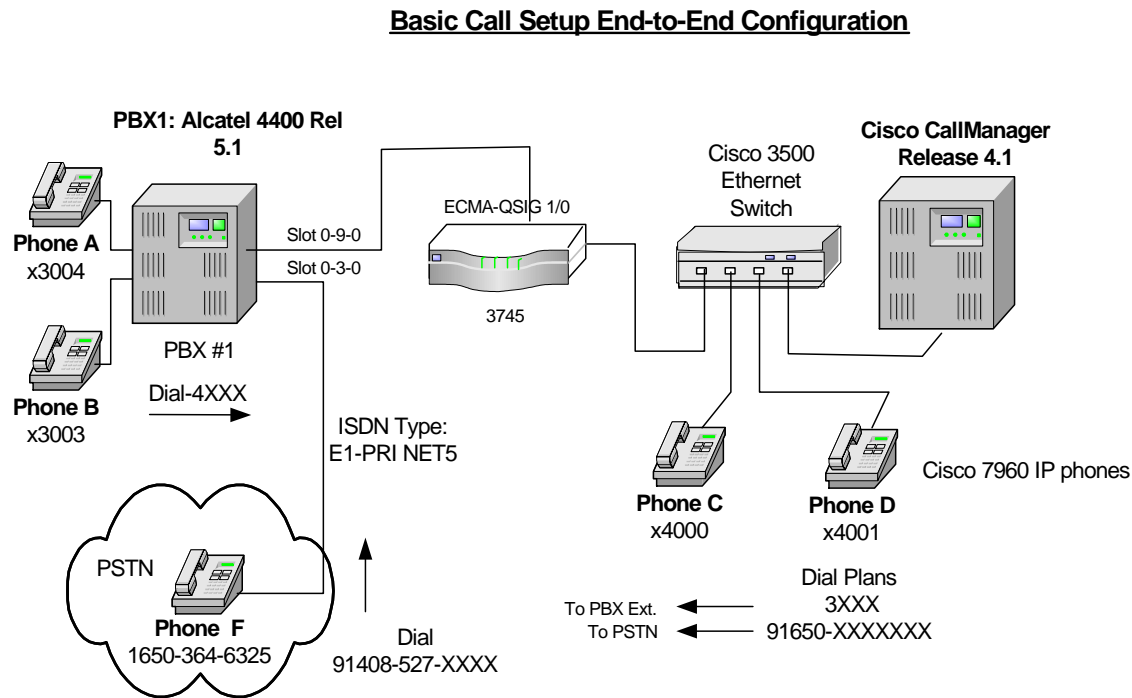
Introduction

- This is an Application Note for connectivity of an Alcatel 4400 Release 5.1 PBX with Cisco Unified CallManager (CCM) Release 4.1 to a Cisco 3745 router with MGCP using ECMA QSIG protocol.
- The network topology diagram (Figure 1) shows the test setup for end-to-end interoperability with CCM connected to the PBX via a 3745_E1 QSIG link as MGCP gateway.
- Connectivity is achieved by using the PRI ISO QSIG E1 protocol type on the MGCP gateway with the CCM Services parameter QSIG variant of ECMA and ECMA switch type on the Alcatel 4400 PBX.
- This Application Note uses the 3745_E1 voice gateway. However, the use of other Cisco voice gateways is also an option since CCM QSIG implementation does not depend on the physical interface.



Network Topology

Figure 1. Network Topology or Test Setup



Limitations

Basic Call with Overlap Sending

- Alcatel does not display the connected number when configured for Overlap Sending. CCM does send connected name and number when answering the original call.

Path Replacement for Call Transfer

- Alcatel does not update connected name and number after Path Replacement.

Additional Network Feature Replacement for Call Diversion

- Alcatel does not send a Path Replacement proposal for Call Diversion by forward switch.

System Components

Hardware Requirements

- Cisco 3745 router with 2MFT-E1 ports
- Alcatel 4400 PBX
 - PRA2



Software Requirements

- Cisco Unified CallManager Release 4.1
- PBX Software Release 5.1

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 (by join)
CFU—Call Forwarding Unconditional (by join)
CFB—Call Forwarding Busy (by join)
CFNR—Call Forwarding No Reply (by join)
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)

Features Not Supported

MWI— Message Waiting Indication (lamp ON, lamp OFF) ¹
Alcatel does not support Call Forwarding by join.

Configuration

Configuration Sequence and Tasks

Configuring the Alcatel 4400 PBX

Configure in the following sequence:

Configure Board
Configure Digital Access
Configure “ECMA Function” System Parameter
Configure PRI-ABC_F Trunk Group

¹ Not Tested. Alcatel 4400 PBX Release 5.1 does not support MWI QSIG.



- Configure PSTN Trunk Group
- Configure Network Routing
- Configure Network Routing "Own Node"
- Configure Routing Prefix
- Configure Digital Station
- Configure Digital Station Phone Facilities

Configuring Cisco Unified CallManager

Configure in the following sequence:

- Configure ECMA Protocol Service Parameters
- Configure 3745_E1 Gateway
- Configure Partitions
- Configure Calling Search Space
- Configure Enbloc Route Pattern
- Configure Overlap Sending Route Pattern
- Configure PSTN Route Pattern
- Configure Translation Pattern for Incoming Calls
- Configure CLIR Route Pattern
- Configure CNIR Route Pattern
- Configure COLR Translation Pattern
- Configure CONR Translation Pattern
- Configure MWI Lamp On/Off
- Configure MWI Deactivate Translation Pattern
- Configure MWI Activate Translation Pattern
- Configure Callback Service Parameters
- Configure Callback Softkeys
- Configure Path Replacement Service Parameters
- Configure Call Pickup
- Configure Forward by Reroute Service Parameter
- Configure IP Phones
- Configure Directory Number

Configure the Cisco 3745 Router

Configuration Menus and Commands



Configuring the Alcatel 4400 PBX

Configure Board

Configuration: alcatel51

alcatel51:0	
Board Address	9
Interface Type	BPRA2
Usage State	Busy
Operational State	Enabled
Main/Standby State	Main (Master)
Number Of Sets Connected	4
Country Protocol Type	Default
Incidents Teleservice	YES
ISDN Board Layer 2 Parameters	
Retransmission Timer	100
TEI Identity Check Timer	100
Polling Timer	1000
No. Of Retransmissions	3
Max Frame Size (Bytes)	260

[1:35:20 PM] > Request 5 sent to alcatel51.
[1:35:20 PM] > Request 5 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- 5 PCM2 Idle Enabled Main (
- 6 INTOFA Unknown Enabled
- 7 Z12_2 Active Enabled Main
- 8 EMTL Busy Enabled Main
- 9 BPRA2 Busy Enabled Main
 - ATM port
 - ATM E1
 - ATM access
 - BBC2 Access
 - TA adaptor
 - S0 Bus
 - Digital Access
 - Virtual Access
 - Transfix Access
 - Ethernet Access
 - Inter-ACT Link
 - ACT Or SU Events
 - GPA DSP program
 - Dynamic Init Parameters
 - Signaling link
 - Signaling Link Backup
 - IBS
 - SOSM Boards
 - RFP
 - Ethernet Parameters
 - Voice Guide Index MG

Configuration

alcatel51:0	
Board Address	9
ISDN Board Layer 2 Parameters	
Retransmission Timer	100
TEI Identity Check Timer	100
Polling Timer	1000
No. Of Retransmissions	3
Max Frame Size (Bytes)	260
T0 ISDN Board Layer 2 Paramet	
Window Size In Frames SAPI S	1
Window Size In Frames SAPI E	3
T2 ISDN Board Layer 2 Paramet	
Window Size In Frames SAPI S	7
Window Size In Frames SAPI E	7
Virtual board	NO

All Action

[1:35:20 PM] > Request 5 sent to alcatel51.
[1:35:20 PM] > Request 5 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



Configure Digital Access

The screenshot displays the configuration interface for an Alcatel 51 device. The left pane shows a tree view under 'PCX' with 'Digital Access' selected. The right pane shows the configuration for 'alcatel51:0:9' with the following parameters:

alcatel51:0:9	
T0/T2 Access No.	0
Access Type	T2
Access Board Type	BPRA2
Synchronization Priority	255
Network Mode	YES
Max No Of Used B Channels	30
Max No. Of Compressed B Chan	0
Tieline Mode	YES
With Alarm	NO
Reserved1	NO
Reserved2	NO
Network Date Time Update	NO
CRC4	YES

The status bar at the bottom shows the following command prompt output:

```
[1:37:32 PM] > Request 6 sent to alcatel51.  
[1:37:32 PM] > Request 6 completed on alcatel51: 4 instance(s) received.
```



Configure “ECMA Function” System Parameter

The screenshot shows the Cisco configuration interface for 'alcatel51'. The left pane shows a tree view with 'System Parameters' selected. The right pane displays the configuration for 'alcatel51:1' with the following parameters:

alcatel51:1	
Instance (reserved)	1
Trunk seizure via attendant	<input checked="" type="checkbox"/>
No detect.of On-hook tone	<input checked="" type="checkbox"/>
TrkGrp in ticket for trans.call	<input checked="" type="checkbox"/>
VPN service	<input type="checkbox"/>
ISVPN Node No.	1
No. Digits displayed on sets	16
Melody Ringing Type	1
Int.Call Ringing Cadence No.	1
Ext.Call Ringing Cadence No.	1
Executive Type Ringing Caden	1
Priority Call Cadence No.	1
ISO Function	<input type="checkbox"/>
Reserve B Channel	<input checked="" type="checkbox"/>



Configure PRI ABC_F Trunk Group

alcatel51	
Trunk Group ID	4
Trunk Group Type	T2
Trunk Group Name	PRI-ABCF
Node number	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ABC-F
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	4
Channel selection type	Quantified
Remote Network	2
Shared Trunk Group	<input type="checkbox"/>

[1:38:33 PM] > Request 7 sent to alcatel51.
[1:38:33 PM] > Request 7 completed on alcatel51: 11 instance(s) received.



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Yes No
 - 1 T2 PRI-ABCF 1 No No -1 Yes No
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Yes No
 - 5 NDDI (BCA) NDDI 1 No No -1 No
 - 6 NDDI (BCA) NDDI 1 No No -1 Yes
 - 7 T0 BRI-QSIG 1 No No -1 Yes No
 - 8 T0 BRI-ABCF 1 No No -1 Yes No
 - 9 T0 BRI-ISDN 1 No No -1 Yes No
 - 10 LIA E M 4W 1 No No -1 Yes
 - 11 LIA pcm2 1 No No -1 No
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Trunk Group ID	4
Channel description type	Standard
Remote Network	2
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing c	NO
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10
Outgoing calls Restriction COS	10
Callee number mpt1343	NO

All

[1:38:33 PM] > Request 7 sent to alcatel51.
[1:38:33 PM] > Request 7 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Yes No
 - 1 T2 PRI-ABCF 1 No No -1 Yes No
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Yes No
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access for SIP
 - Trunk group NPD selector
 - 5 NDDI (BCA) NDDI 1 No No -1 No
 - 6 NDDI (BCA) NDDI 1 No No -1 Yes
 - 7 T0 BRLOSIG 1 No No -1 Yes No

Configuration

alcatel51:4	
Instance (reserved)	1
Trunk Group Type	T2
Public Network Ref.	
End-to-end dialing	NO
DTMF end-to-end signal.	NO
Trunk group used in DISA	NO
DISA Secret Code	
VG for non-existent No.	YES
Routing To Manager	NO
Trunk COS ID	18
No. of digits unused (ISDN)	0
B Channel Choice	YES
Channels: Attendant Control (Rs)	0
Redirection For ACD (Dissuasio)	NO
DTO joining	NO
Consultation Call On B Channel	NO

All Action

[1:42:21 PM] > Request 8 sent to alcatel51.
[1:42:21 PM] > Request 8 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Yes No
 - 1 T2 PRI-ABCF 1 No No -1 Yes No
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Yes No
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access for SIP
 - Trunk group NPD selector
 - 5 NDDI (BCA) NDDI 1 No No -1 No
 - 6 NDDI (BCA) NDDI 1 No No -1 Yes
 - 7 T0 BRLOSIG 1 No No -1 Yes No

Configuration

alcatel51:4	
Instance (reserved)	1
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPNC	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0
Charge Calling And ADN Creatio	NO
Ratio analog.to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES

All Action

[1:42:21 PM] > Request 8 sent to alcatel51.
[1:42:21 PM] > Request 8 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIROONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Yes No
 - 1 T2 PRI-ABCF 1 No No -1 Yes No
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Yes No
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access for SIP
 - Trunk group NPD selector
 - 5 NDDI (BCA) NDDI 1 No No -1 No
 - 6 NDDI (BCA) NDDI 1 No No -1 Yes
 - 7 T0 BRLOSIG 1 No No -1 Yes No

Configuration

alcatel51:4

Instance (reserved)	1
Change existing instance group	NO
Ratio analog to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES
Use Split Access	NO
Heterogeneous Remote Network	NO
COS Restrictions - Barring mode	Not Restricted / Not barred
ARS Class of service	31
Quality profile for voice over IP	Profile #1
IP Compression Type	Default
Use of volume in system	YES
External Access Server	NO
CSTA Tracking MCDU Trk	
Announcement for dial tone	NO
Announcement for Ring tone	NO
Private to Public Overflow	YES

All Action

[1:42:21 PM] > Request 8 sent to alcatel51.
[1:42:21 PM] > Request 8 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Yes No
 - 1 T2 PRI-ABCF 1 No No -1 Yes No
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Yes No
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - 0-9-0 T2 -1 01111111
 - Trunk
 - Virtual access for SIP
 - Trunk group NPD selector
 - 5 NDDI (BCA) NDDI 1 No No -1 No
 - 6 NDDI (BCA) NDDI 1 No No -1 Yes

Configuration

alcatel51:4:1	
Physical Address	0-9-0
Access Type	T2
Access Cluster ID	-1
Time Slots T2	0111111111111111111011111111

All Action

[1:43:33 PM] > Request 9 sent to alcatel51.
 [1:43:33 PM] > Request 9 completed on alcatel51: 1 instance(s) received.

Configuration: alcatel51



Configure PSTN Trunk Group

The screenshot shows the Cisco AdminNmc configuration interface for a device named 'alcatel51'. The left pane shows a tree view of configuration options, with 'Trunk Groups' expanded and '0 T2 PRI-ABCF 1 No No -1' selected. The right pane shows the configuration details for this trunk group.

alcatel51	
Trunk Group ID	0
Trunk Group Type	T2
Trunk Group Name	PRI-ABCF
Node number	1
Transcom Trunk Group	<input type="checkbox"/>
Auto.reserv.by Attendant	<input type="checkbox"/>
Overflow trunk group No.	-1
Tone on seizure	<input checked="" type="checkbox"/>
Private Trunk Group	<input type="checkbox"/>
Q931 Signal variant	ISDN all countries
SS7 Signal variant	No variant
Number Compatible With	-1
Number Of Digits To Send	10
Channel selection type	Quantified



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- FWTIDECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Y
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No N
 - 6 NDDI (BCA) NDDI 1 No N
 - 7 T0 BRI-QSIG 1 No No -1
 - 8 T0 BRI-ABCF 1 No No -1
 - 9 T0 BRI-ISDN 1 No No -1
 - 10 LIA E M 4W 1 No No -1 Y
 - 11 LIA pcm2 1 No No -1 No
- External Services
- Inter-Node Links

Configuration

alcatel51	
Trunk Group ID	0
Remote Network	3
Shared Trunk Group	<input type="checkbox"/>
Auto.DTMF dialing on outgoing	NO
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10

All

Range : 0,1,3

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Networks
 - PCX
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Ye
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No M
 - 6 NDDI (BCA) NDDI 1 No M
 - 7 T0 BRI-QSIG 1 No No -1
 - 8 T0 BRI-ABCF 1 No No -1
 - 9 T0 BRI-ISDN 1 No No -1
 - 10 LIA E M 4W 1 No No -1 Y
 - 11 LIA pcm2 1 No No -1 No
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Trunk Group ID	0
Auto.DTMF dialing on outgoing	NO
T2 Specification	None
Public Network COS	0
DID transcoding	<input type="checkbox"/>
Special Services	Nothing
Can support UUS in SETUP	<input checked="" type="checkbox"/>
Implicit Priority	
Activation mode	0
Priority Level	0
Preempter	NO
Incoming calls Restriction COS	10 NO,YES
Outgoing calls Restriction COS	10
Callee number mpt1343	NO

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- FWT/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access fo
 - Trunk group NPD sele
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Ye
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No N
 - 6 NDDI (BCA) NDDI 1 No N
 - 7 T0 BRI-QSIG 1 No No -1

Configuration

alcatel51:0

Instance (reserved)	1
Trunk Group Type	T2
Public Network Ref.	
End-to-end dialing	NO
DTMF end-to-end signal.	NO
Trunk group used in DISA	NO
DISA Secret Code	
VG for non-existent No.	YES
Routing To Manager	NO
Trunk COS ID	19
No. of digits unused (ISDN)	0
B Channel Choice	YES
Channels: Attendant Control (F	0
Redirection For ACD (Dissuas	NO

All Action

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- FWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access fo
 - Trunk group NPD selec
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Ye
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No N
 - 6 NDDI (BCA) NDDI 1 No N
 - 7 T0 BRI-QSIG 1 No No -1

Configuration

alcatel51:0

Instance (reserved)	1
DTO joining	NO
Consultation Call On B Chann	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPN	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0

All Action

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- FWTIDECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access fo
 - Trunk group NPD selec
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Ye
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No N
 - 6 NDDI (BCA) NDDI 1 No N
 - 7 T0 BRI-QSIG 1 No No -1

Configuration

alcatel51:0

alcatel51:0	
Instance (reserved)	1
DTO joining	NO
Consultation Call On B Chann	NO
Automated Attendant	NO
Calling party Rights COS	0
Entity Number	1
TS Overflow	YES
Number To Be Added	
Supervised by Routing	NO
VPN Cost Limit for Incom.Calls	0
Immediate Trk Listening if VPN	YES
VPN TS %	50
CSTA-Monitored	NO
Max.% of trunks out CCD	0

All Action

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- System
- Translator
- Classes of Service
- Attendant
- Users
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - Trunk
 - Virtual access fo
 - Trunk group NPD sele
 - 1 T2 PRI-ABCF 1 No No -1
 - 3 LIA E M 2W 1 No No -1 Ye
 - 4 T2 PRI-ABCF 1 No No -1
 - 5 NDDI (BCA) NDDI 1 No N
 - 6 NDDI (BCA) NDDI 1 No N
 - 7 T0 BRI-QSIG 1 No No -1

Configuration

alcatel51:0

Instance (reserved)	1
Charge Calling And ADN Creat	NO
Ratio analog.to ISDN cost	
Logical Channel	1__15 & 17__31
TS Distribution on Accesses	YES
Use Split Access	NO
Heterogeneous Remote Netw	NO
COS Restrictions - Barring mo	Not Restricted / Not barred
ARS Class of service	31
Quality profile for voice over IP	Profile #1
IP Compression Type	Default
Use of volume in system	YES
External Access Server	NO
CSTA Tracking MCDU Trk	

All Action

Default,G 711

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- FW/DECT System
- System
- Translator
- Classes of Service
- Attendant
- Users
- Users by profile
- Set Profile
- Groups
- Speed Dialing
- Phone Book
- Entities
- Trunk Groups
 - 0 T2 PRI-ABCF 1 No No -1 Y
 - Trunk Group
 - 1 T2 NO NO
 - T2/T1/T0 Access
 - 0-3-0 T2 -1 01
 - Trunk
 - Virtual access for
 - Trunk group NPD selecto
 - 1 T2 PRI-ABCF 1 No No -1 Y
 - 3 LIA E M 2W 1 No No -1 Yes
 - 4 T2 PRI-ABCF 1 No No -1 Y
 - 5 NDDI (BCA) NDDI 1 No No
 - 6 NDDI (BCA) NDDI 1 No No

Configuration

alcatel51:0:1

Physical Address	0-3-0
Access Type	T2
Access Cluster ID	-1
Time Slots T2	011111111111111111110111111111

All Action

1



Configure Network Routing

OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - 1
 - Prefix Plan
 - Suffix Plan
 - Dialing Plan
 - PIN (Personal Ident.No.)
 - Private Call Profile
 - External Dialing Plan
 - Network Routing Table
 - 0 1 QSIG-GF 11 0-1 -1
 - 1 1 ABC_F 11 0-1 -1
 - 2 1 QSIG-GF 11 0-1 -1
 - 3 1 QSIG-GF 11 0-1 -1
 - 4 1 Dependant on Trunk Gr
 - 5 1 ABC_F 11 0-1 -1
 - 6 1 ABC_F 11 0-1 -1
 - 7 1 ABC_F 11 0-1 -1
 - 8 1 ABC_F 11 0-1 -1
 - 9 1 ABC_F 11 0-1 -1
 - 10 1 ABC_F 11 0-1 -1
 - 11 1 ABC_F 11 0-1 -1
 - 12 1 ABC_F 11 0-1 -1
 - 13 1 ABC_F 11 0-1 -1
 - 14 1 ABC_F 11 0-1 -1

```
[1:48:19 PM] > Request 16 sent to alcatel51.  
[1:48:19 PM] > Request 16 completed on alcatel51: 16 instance(s) received.
```



Configure Network Routing Own Node

The screenshot shows the Cisco Configuration Manager interface for configuring a node named 'alcatel51'. The main window is titled 'Configuration: alcatel51' and has a menu bar with 'File', 'Applications', 'Security', 'Preferences', 'Configuration', 'Windows', and 'Help'. Below the menu bar is a toolbar with various icons. The interface is divided into two main panes. The left pane, titled 'Networks', shows a tree view of configuration objects. The right pane, titled 'Configuration', shows the configuration details for the selected object, 'alcatel51:1'. The configuration details are displayed in a table format.

alcatel51:1	
Number	3100
Prefix Meaning	Local Features
Local Features	PCX address in DPNSS

Below the configuration table is a toolbar with icons for 'All', 'Up', 'Down', 'Print', 'Copy', 'Paste', 'Refresh', 'Home', and 'Close'. A status bar at the bottom right shows the number '1'. At the bottom of the window, there is a command prompt area with the following text:

```
[1:46:31 PM] > Request 15 sent to alcatel51.  
[1:46:32 PM] > Request 15 completed on alcatel51: 94 instance(s) received.
```




Configure Routing Prefix

The screenshot shows the Cisco Configuration Manager interface for configuring a routing prefix on an Alcatel 4760. The main window is titled "Configuration: alcatel51". On the left, a tree view shows the configuration hierarchy, with "4 Routing No. 2 4 4" selected. The right pane displays the configuration details for "alcatel51:1" in a table format.

alcatel51:1	
Number	4
Prefix Meaning	Routing No.
Network Number	2
Node Number/ABC-F Trunk Gro	4
Number of Digits	4
Number With Subaddress (ISDN)	NO
Default X25 ID.pref.	NO

At the bottom of the window, a command line shows the following messages:

```
[1:46:31 PM] > Request 15 sent to alcatel51.  
[1:46:32 PM] > Request 15 completed on alcatel51: 94 instance(s) received.
```



Configure Digital Station

The screenshot shows the Cisco Configuration Manager interface for configuring a digital station named 'alcatel51'. The interface is divided into several sections:

- Navigation Tree (Left):** Shows a hierarchy of configuration objects under 'alcatel51', including Shelf, Media Gateway, PWT/DECT System, System, Translator, Classes of Service, Attendant, Users, Users by profile, Set Profile, Groups, Speed Dialing, Phone Book, Entities, Trunk Groups, External Services, and Inter-Node Links. The 'Users' section is expanded, showing a list of users with details like name, extension, and phone type.
- Configuration Table (Right):** Displays the configuration for the selected user '3004 Big Doe'. The table has columns for configuration parameters and their values.

alcatel51	
Directory Number	3004
Directory name	Big Doe
Directory First Name	
Location Node	1
Shelf Address	0
Board Address	2
Equipment Address	4
Set Type	4035T
Entity Number	1
Set Function	Default
Profile Name	
Key Profiles	None
Domain Identifier	0
Add On Module 1	None
Add On Module 2	None

Below the table are several tabs for further configuration: General Characteristics, PIN, Assoc.Sets, Rights, Profile, VoiceMail, Facilities, Set Characteristics, Hotel, SIP_Attributes, Miscellaneous, All, and Action.

Command Console (Bottom): Shows the following messages:

```
[1:50:23 PM] > Request 17 sent to alcatel51.  
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.
```



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Add On Module 3	None
External Alphanumeric Keyboard	None
Internal Alphanum.Keyboard	English
V24 Extension	<input type="checkbox"/>
S0 Extension	<input type="checkbox"/>
MAC/PC	NO
Z Adaptor	<input type="checkbox"/>
Language ID	1
Secret Code	****
Associated Set No.	3004
Cost Center ID	255
Cost Center Name	
Charging COS	Justified
Public Network COS	?

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Public Network COS	2
External Forwarding COS	255
Tel. Features COS ID	0
Connection COS ID	0
Hunt Group Dir No.	
ACD Group Directory No.	
Pickup Group Name	
Reserved Time Slot	<input type="checkbox"/>
Voice Mail Dir.No.	
Voice Mail Type	No Voice Mail
Paging Trunk Group	255
Paging Beeper	
Called Associated DECT set	
Tele-Marketing Agent	<input type="checkbox"/>

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Tele-Marketing Agent	<input type="checkbox"/>
ISDN User	
External	<input checked="" type="checkbox"/>
Internal	<input checked="" type="checkbox"/>
Display ext. calling number	<input checked="" type="checkbox"/>
ISDN Teleservice	Phone
Hotel-Set Operation	Administrative
Use Type Of Dir. No.	Normal
Number Of Set Users	1
Dial by name and text msg.	NO
Multi-line station	NO
Multi-Line Properties	
Automatic Incoming Seizure	<input type="checkbox"/>
Automatic Outgoing Seizure	<input type="checkbox"/>

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Automatic Outgoing Seizure	<input type="checkbox"/>
Selective Filtering	<input type="checkbox"/>
Overflow on no answer	<input type="checkbox"/>
Overflow on busy	<input type="checkbox"/>
Supervision at off-hook	<input type="checkbox"/>
Automatic Outgoing Seizure fo	<input type="checkbox"/>
Dialed number masked	NO
Access Code to UUS messages	NO
Routing Table	0
Associated Videophone	<input type="checkbox"/>
VIP (Very Important Pers.)	<input type="checkbox"/>
Assistant Directory Number	3004
Calls Priority	0
PCBT Associated	NO

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
PCBT Associated	NO
Urgent Call	NO
PIN (Personal Ident.No.)	
PIN No.	
PIN With Secret Code	<input checked="" type="checkbox"/>
Type of control	By COS
PIN group number	1
Can be Called/Dialed By Name	YES
Phone book Name (Dial by name)	Big Doe
Phone book First Name	
Displayed Name	Big Doe
Remote UA	<input type="checkbox"/>
Errors on Secret Code Counter	0
ACD station	NO

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
ACD station	NO
NS Right (Notification server)	NO
Incidents Teleservice	NO
CSTA routing	<input type="checkbox"/>
Voice Guide listening Class	7
Caller COS	4
VSI Transparency	<input type="checkbox"/>
Type of Keyboard	Default keyboard
Errors on Business Code Count	0
STAP	Off-hook
Tandem	
Tandem Directory Number	
Main set in the tandem	<input type="checkbox"/>

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel iphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Partial busy	<input type="checkbox"/>
Ringing in partial busy	Long Ring
Specific supervision	<input type="checkbox"/>
Use Personal Calling Number	<input type="checkbox"/>
UA 3G features	
Emulation	UA 3G
4035 Features	
Navigator	UA 3G
Group PIN control	No group
CCA Operations	<input type="checkbox"/>
A4980	No 4980
Z IVR	<input type="checkbox"/>
NOMADIC	<input type="checkbox"/>
TAPI Premium Server	NO

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
TAPI Premium Server	NO
Conference group	-1
Announcement group	-1
Call Restriction COS	0
Applicable Restriction COS	0
Implicit Priority	
Activation mode	0
Priority Level	0
Explicit Priority	
Activation mode	0
Priority Level	0
Pre-emptable Primary Inc. Line	NO
Pre-emptable Secondary Inc. Line	NO
Priority Presentation	NO

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



OmniVista 4760 - NEXTIRAONE:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- alcatel51
 - Shelf
 - Media Gateway
 - PWT/DECT System
 - System
 - Translator
 - Classes of Service
 - Attendant
 - Users
 - 3001 Jack Doe 1 0 2 1 4035T 1
 - 3002 Jill Doe 1 0 2 2 4035T 1
 - 3003 Female Doe 1 0 2 3 4035T 1
 - 3004 Big Doe 1 0 2 4 4035T 1**
 - 3005 Little Doe 1 0 2 5 4035T 1
 - 3006 Doe Doe 1 0 2 6 4035T 1
 - 3010 alcatel ipphone1 1 255 255 255
 - 3032 Mummy Doe 1 0 7 0 ANALOG 1
 - 3033 Daddy Doe 1 0 7 1 ANALOG 1
 - 3034 Brother Doe 1 0 7 2 ANALOG 1
 - 3035 Sister Doe 1 0 7 3 ANALOG 1
 - Users by profile
 - Set Profile
 - Groups
 - Speed Dialing
 - Phone Book
 - Entities
 - Trunk Groups
 - External Services
 - Inter-Node Links

Configuration

alcatel51	
Directory Number	3004
Explicit Priority	
Activation mode	0
Priority Level	0
Pre-emptable Primary Inc. Line	NO
Pre-emptable Secondary Inc. Line	NO
Priority Presentation	NO
lth Service type	Not Valid
CUG List Number	-1
Preferential CUG	-1
CUG Outgoing Access	<input type="checkbox"/>
CUG Incoming Access	<input type="checkbox"/>
Automatic reconfiguration	CTQ Forbidden - Connection TO
URL UserName	
URL Domain	

General Characteristics PIN Assoc.Sets Rights Profile
VoiceMail Facilities Set Characteristics Hotel
SIP_Attributes Miscellaneous All Action

[1:50:23 PM] > Request 17 sent to alcatel51.
[1:50:24 PM] > Request 17 completed on alcatel51: 11 instance(s) received.

Configuration: alcatel51



Configure Digital Station Phone Facilities

The screenshot shows the Cisco AdminMmc configuration interface. The left pane displays a tree view under 'Configuration: alcatel51' with the following structure:

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

The right pane shows the configuration for 'alcatel51:1' with the following table:

Tel. Features COS ID	Value
Tel. Features COS ID	0
Rights Prot.against dir.call pick	0
Rights Protected against all ba	0
Rights Protected against set b	0
Rights Outgoing calls only	0
Rights Forward to external No.	1
Rights Prot.against multi-l ring	0
Rights Protected against forwa	0
Rights Protected (against barg	0
Rights Prot.against call annou	0
Rights Remote calls un/answ	0



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	0
Rights Remote wake-up/appoi	0
Rights Auto.call back satell.trk	1
Rights Transfer on no answer	1
Rights ISDN remote charge se	0
Rights Bypass on forwarding	0
Rights Prot.against bypass on	0
Rights Interphony	0
Rights Secret Code, Repertory	1
Rights Night Serv.Answ.Pick up	0
Rights Night Serv Direct call ni	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect. O
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	0
Rights PCX Calls Follow Ext. f	1
Rights Mask ID.name Only for	0
Rights Ringing tone In Handse	1
Rights No Text Msg reception	0
Rights No Callback On Free S	0
Rights No Callback On Busy S	0
Rights Override Att Control of T	0
Rights No Substitution	0
Rights Reserved or Att Control	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect. C
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	0
Rights Lock Key	0
Rights Prot.against Guest Priv	0
Rights Prot.against VIP Private	0
Rights Prot.against Private Ca	0
Rights Prot.against Private Ca	0
Rights Prot.against Automatic	0
Rights Authorized DISA unlock	0
Rights Timed Call Release	0
Rights Calling name display (C	1
Rights let calls overflow if calls	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1

Tel. Features COS ID	0
Rights Int. calls overflow if call	0
Rights Int. calls overflow if call	0
Rights Record Authorization	0
Rights Casual Conference	0
Rights Silent Connection on Ag	0
Rights Virtual set on CMP boar	0
Routing Mode At Off-hook	NO Routing
Inter-Company Calling Right	<input type="checkbox"/>
Set features Immediate forwar	1
Set features Immediate forwar	1

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	
Set features Forward on no an	1
Set features Forward on busy c	1
Set features Forward cancellat	1
Set features Forward cancel.by	0
Set features Overfl.on no answ	0
Set features Cancel Overfl.to a	0
Set features Sta. group exit	0
Set features Sta. group entry	0
Set features Protect. against b	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect...
 - Phone Features Class...

0	00001000001100
1	00001100000000
2	00001100000000
3	00000000000000
4	00000000000000
5	00000000000000
6	00000000000000
7	00000000000000
8	00000000000000
9	00000000000000
10	0000100001111
11	0000100001111
12	0110010111111
13	0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	
Set features Lock	0
Set features Auto-assignment	0
Set features Substitution	0
Set features Password modific	0
Set features Accounting/Charg	0
Set features Do not disturb	0
Set features Set Out/In of Servi	1
Set features Associated Direct	0
Set features Remote forward	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	0
Set features Cancel Remote fq	0
Set features Unused	0
Set features Cancel auto. callb	1
Set features Personal directory	0
Set features Personal Director	0
Set features Language	0
Set features Adjust Display Vis	1
Set features Access and Revie	0
Set features Camp-on Control	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
- 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.0
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	0
Set features Overfl.busy to ass	0
Set features Overf.busy/no ans	0
Set features Voice Guide List	0
Set features Suite Do Not Dist	0
Set features No Ringing	0
Set features Tandem: Assistar	0
Set features Tandem: Filter act	0
Set features Force Set Type Id	0
Set features Privileged substit	0
Set features Ubiquity Mobile Pr	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.0
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Users Where Directory Number Equa

Configuration

alcatel51:1	
Tel. Features COS ID	
Set features Ubiquity	0
General Services Group call pi	1
General Services Direct call pi	1
General Services Processing	0
PCX Services Speed call to as	1
PCX Services Access Callback	1
PCX Services Last Caller Call	1
PCX Services Paging call ansv	0
PCX Services Voice Mail Acces	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Trans PWT/DECT System
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.C
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1	
Tel. Features COS ID	0
PCX Services Voice Mail Access	0
PCX Services Wake-up/appoin	0
PCX Services Tone test	0
PCX Services Collect telex	0
PCX Services Collect text	0
PCX Services Collect fax	0
PCX Services Message depos	0
PCX Services Text deposit	0
PCX Services Image deposit	0
PCX Services ACD Prefixes	0
PCX Services Meet-me Confer	0
PCX Services Cancel Wake-up	0
PCX Services Switch off Messa	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.C
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1

Tel. Features COS ID	
PCX Services Recordable Voic	0
PCX Services Suite Wake-up	0
PCX Services Suite Wake-up C	0
PCX Services Physical Room C	0
PCX Services Under A4980 Cq	0
PCX Services Manual Add-on C	0
PCX Services Automatic Add-o	0
PCX Services Announcement	0
PCX Services Automatic Answ	0
PCX Services Call Restriction	0
PCX Services Explicit Priority	0
PCX Services Intercom Service	0
PCX Services Explicit Precede	0
PCX Services CUG Call	1

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1	
Tel. Features COS ID	0
PCX Services COS ID	
PCX Services Background Mus	1
External Services Direct trunk s	1
External Services Project num	0
External Services Redial last n	1
External Services Night service	0
External Services DTMF Freque	0
External Services Park Call/Re	1
External Services Waiting call	0
External Services Rotary End-t	1
External Services DTMF End-t	1
External Services Malicious ca	0
External Services Common Hq	0
External Services Priority of Ca	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1	
Tel. Features COS ID	0
External Services Priority of Co	0
External Services Secret/Ident	1
External Services Alphanumeri	0
External Services Manual Hold	1
Suffixes Broker Call	0
Suffixes Three-Party conferenc	1
Suffixes Barge-in	1
Suffixes Callback on free or bu	1
Suffixes Camp-on Waiting	0
Suffixes Speaker Paging	0
Suffixes Call announce throug	0
Suffixes Consultation Call	1
Suffixes Paging request	0
Suffixes Project number	0

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1

Tel. Features COS ID	
Suffixes Rotary End-to-End Dia	1
Suffixes DTMF end-to-end dial	1
Suffixes Malicious Call	0
Suffixes Voice Mail Message D	0
Suffixes Camp-on Control	0
Suffixes Voice Mail Access	0
Suffixes By pass on Do Not Dis	0
Speed Dialing Area Area 0	1
Speed Dialing Area Area 1	1
Speed Dialing Area Area 2	1
Speed Dialing Area Area 3	1
Speed Dialing Area Area 4	1
Speed Dialing Area Area 5	1

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1	
Tel. Features COS ID	
Speed Dialing Area Area 6	1
Speed Dialing Area Area 7	1
Speed Dialing Area Area 8	1
Speed Dialing Area Area 9	1
Speed Dialing Area Area 10	1
Speed Dialing Area Area 11	1
Speed Dialing Area Area 12	1
Speed Dialing Area Area 13	1
Speed Dialing Area Area 14	1
Speed Dialing Area Area 15	1
Speed Dialing Area Area 16	1
Speed Dialing Area Area 17	1
Speed Dialing Area Area 18	1

All

1



OmniVista 4760 - COMPIDEA:389 - AdminNmc

File Applications Security Preferences Configuration Windows Help

Configuration: alcatel51

Networks PCX

- Shelf
- Media Gateway
- PWT/DECT System
- System
- Translator
- Classes of Service
 - 1
 - Access COS
 - Connection COS
 - Transfer COS
 - Private Calls Connect.
 - Phone Features Class
 - 0 00001000001100
 - 1 00001100000000
 - 2 00001100000000
 - 3 00000000000000
 - 4 00000000000000
 - 5 00000000000000
 - 6 00000000000000
 - 7 00000000000000
 - 8 00000000000000
 - 9 00000000000000
 - 10 0000100001111
 - 11 0000100001111
 - 12 0110010111111
 - 13 0000100001111

Configuration

alcatel51:1	
Tel. Features COS ID	0
Speed Dialing Area Area 23	1
Speed Dialing Area Area 24	1
Speed Dialing Area Area 25	1
Speed Dialing Area Area 26	1
Speed Dialing Area Area 27	1
Speed Dialing Area Area 28	1
Speed Dialing Area Area 29	1
Speed Dialing Area Area 30	1
Speed Dialing Area Area 31	1
Voice Mail Forwarding	Ring Final Set Mail
Default Overflow Type	No forward
Default Overflow Addressee	Nothing
Quality profile for voice over IP	Profile #2

All

1



Configuring Cisco Unified CallManager

Configure ECMA Protocol Service Parameters

Cisco CallManager 4.1 Administration - Service Parameters Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address [https://cm-antares/CCMAdmin/serviceparameters.asp?crNodeName=CM-ANTARES&crNodeID={7332FB46-5806-44B3-9212-D...](https://cm-antares/CCMAdmin/serviceparameters.asp?crNodeName=CM-ANTARES&crNodeID={7332FB46-5806-44B3-9212-D...}) Go Links

Clusterwide Parameters (Device - PRI and MGCP Gateway)

Parameter Name	Parameter Value	Suggested Value
ASN.1 ROSE OID Encoding*	<input type="text" value="Use Global Value(ECMA)"/>	Use Local Value
QSIG Variant*	<input type="text" value="ECMA (Protocol Profile 0x91)"/>	ISO (Protocol Profile 0x9F)
Caller ID	<input type="text"/>	
Calling Name Not Available Timeout (msec)*	<input type="text" value="2000"/>	2000
Calling Party Number Screening Indicator*	<input type="text" value="CallManager sets the screening indicator value - Default setting"/>	CallManager sets the screening indicator value - Default setting
Change B- Channel Maintenance Status 1	<input type="text"/>	
Change B- Channel Maintenance Status 2	<input type="text"/>	
Change B- Channel Maintenance Status 3	<input type="text"/>	
Change B- Channel Maintenance Status 4	<input type="text"/>	
Change B- Channel Maintenance Status 5	<input type="text"/>	



Configure 3745_E1 Gateway

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Gateway Configuration

[Back to MGCP Configuration](#)
[Back to Find/List Gateways](#)
[Dependency Records](#)

Product : Cisco 3745
Gateway : S2/DS1-0@3745B4_E1
Device Protocol: Digital Access PRI
Registration: Registered with Cisco CallManager CM-ANTARES
IP Address: [172.20.5.2](#)

Status: Ready

Device Information

End-Point Name*	<input type="text" value="S2/DS1-0@3745B4_E1"/>
Description	<input type="text" value="S2/DS1-0@3745B4_E1"/>
Device Pool*	<input type="text" value="Default"/>
Call Classification*	<input type="text" value="Use System Default"/>
Network Locale	<input type="text" value="United States"/>
Media Resource Group List	<input type="text" value="< None >"/>
Location	<input type="text" value="< None >"/>
AAR Group	<input type="text" value="< None >"/>
Load Information	<input type="text"/>
V150 (subset)	<input type="checkbox"/>

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain (e.g., "0000FF")	<input type="text"/>
MLPP Indication	Not available on this device




Multilevel Precedence and Preemption (MLPP) Information	
MLPP Domain (e.g., "0000FF")	<input type="text"/>
MLPP Indication	Not available on this device
MLPP Preemption	Not available on this device

Interface Information	
PRI Protocol Type*	<input type="text" value="PRI QSIG E1"/>
Protocol Side*	<input type="text" value="Network"/>
Channel Selection Order*	<input type="text" value="Top Down"/>
Channel IE Type*	<input type="text" value="Timeslot Number"/>
PCM Type*	<input type="text" value="A-law"/>
Delay for first restart (1/8 sec ticks)	<input type="text" value="32"/>
Delay between restarts (1/8 sec ticks)	<input type="text" value="4"/>
<input checked="" type="checkbox"/> Inhibit restarts at PRI initialization	
<input type="checkbox"/> Enable status poll	

Call Routing Information	
Inbound Calls	
Significant Digits*	<input type="text" value="All"/>
Calling Search Space	<input type="text" value="Incoming Trunk"/>
AAR Calling Search Space	<input type="text" value="< None >"/>
Prefix DN	<input type="text"/>
Outbound Calls	
Calling Line ID Presentation*	<input type="text" value="Default"/>
Calling Party Selection*	<input type="text" value="Originator"/>
Called party IE number type unknown*	<input type="text" value="Unknown"/>
Calling party IE number type	<input type="text"/>



Calling party IE number type unknown*	Unknown
Called Numbering Plan*	Private
Calling Numbering Plan*	Private
Number of digits to strip*	0
Caller ID DN	
SMDI Base Port*	0
PRI Protocol Type Specific Information	
<input type="checkbox"/> Display IE Delivery	
<input type="checkbox"/> Redirecting Number IE Delivery - Outbound	
<input type="checkbox"/> Redirecting Number IE Delivery - Inbound	
<input checked="" type="checkbox"/> Send Extra Leading Character In DisplayIE***	
<input type="checkbox"/> Setup non-ISDN Progress Indicator IE Enable****	
<input type="checkbox"/> MCDN Channel Number Extension Bit Set to Zero**	
<input type="checkbox"/> Send Calling Name In Facility IE	
<input type="checkbox"/> Interface Identifier Present**	
Interface Identifier Value**	0
Connected Line ID Presentation (QSIG Inbound Call)*	Default
UUIE Configuration	
<input type="checkbox"/> Passing Precedence Level Through UUIE	
Security Access Level	2
Product Specific Configuration 	
Line Coding*	HDB3



<input type="checkbox"/>	Setup non-ISDN Progress Indicator IE Enable****
<input type="checkbox"/>	MCDN Channel Number Extension Bit Set to Zero**
<input type="checkbox"/>	Send Calling Name In Facility IE
<input type="checkbox"/>	Interface Identifier Present**
Interface Identifier Value**	<input type="text" value="0"/>
Connected Line ID Presentation (QSIG Inbound Call)*	<input type="text" value="Default"/>
UUIE Configuration	
<input type="checkbox"/>	Passing Precedence Level Through UUIE
Security Access Level	<input type="text" value="2"/>
Product Specific Configuration i	
Line Coding*	<input type="text" value="HDB3"/>
Framing*	<input type="text" value="CRC4"/>
Clock*	<input type="text" value="External"/>
Input Gain (-6..14 db)*	<input type="text" value="0"/>
Output Attenuation (-6..14 db)*	<input type="text" value="0"/>
Echo Cancellation Enable*	<input type="text" value="Enable"/>
Echo Cancellation Coverage (ms)*	<input type="text" value="Default"/>
<p>* indicates required item ** applicable to DMS-100 protocol only *** applicable to DMS-100 protocol and DMS-250 protocol only **** may be required to force ringback from some PBXs</p>	
Back to MGCP Configuration Back to Find/List Gateways	



Configure Partitions

Cisco CallManager 4.1 Administration - Find and List Partitions - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/routepartitionlist.asp?findBy=name&match=begin&pattern=&submit1=Find&rows=20> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Find and List Partitions

[Add a New Partition](#)

2 matching record(s) for Partition Name begins with ""

Find Partitions where Partition Name
and show items per page
To list all items, click Find without entering any search text.

Matching record(s) 1 to 2 of 2

<input type="checkbox"/>	Partition Name	Description
<input type="checkbox"/>	Incoming Trunk	Incoming Trunk
<input type="checkbox"/>	Phones	Phones

First Previous Next Last Page of 1



Configure Calling Search Space

Cisco CallManager 4.1 Administration - Calling Search Space Configuration - Microsoft Internet Explorer

Address: <https://cm-antares/CCMAdmin/callingsearchspace.asp?pkid={5CAD686-6EC0-4013-9E22-F68710B345B2}>

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Cisco CallManager 4.1 Administration

Calling Search Space Configuration

[Add New Calling Search Space](#)
[Back to Find/List Calling Search Spaces](#)
[Dependency Records](#)

Calling Search Space: Incoming Trunk (in use)
Status: Ready

Calling Search Space Information

Calling Search Space Name*

Description

Route Partitions for this Calling Search Space

Find Partitions containing

Available Partitions

Phones

▼ ▲

Selected Partitions*
(ordered by highest priority)

Incoming Trunk

* indicates required item



Cisco CallManager 4.1 Administration - Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Back Forward Stop Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/callingsearchspace.asp?pkid={9D5E3693-3375-4B9F-87F5-8D7CA00191CA}> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration

For Cisco IP Telephony Solutions



Calling Search Space Configuration

[Add New Calling Search Space](#)
[Back to Find/List Calling Search Spaces](#)
[Dependency Records](#)

Calling Search Space: Phones (in use)
Status: Ready

Calling Search Space Information

Calling Search Space Name*

Description

Route Partitions for this Calling Search Space

Find Partitions containing

Available Partitions

Incoming Trunk

▼ ▲

Selected Partitions* (ordered by highest priority)

Phones

* indicates required item



Cisco CallManager 4.1 Administration - Calling Search Space Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/callingsearchspace.asp?pkid={704D9F29-9833-4B3D-88C8-FF7C1402DF90}> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Calling Search Space Configuration

[Add New Calling Search Space](#)
[Back to Find/List Calling Search Spaces](#)
[Dependency Records](#)

Calling Search Space: PathreplacementCCS
Status: Ready

Copy Update Delete

Calling Search Space Information

Calling Search Space Name* PathreplacementCCS

Description

Route Partitions for this Calling Search Space

Find Partitions containing Find

Available Partitions

Selected Partitions* (ordered by highest priority)

- Phones
- Incoming Trunk

* indicates required item



Configure Enbloc Route Pattern

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Route Pattern Configuration

[Add a New Route Pattern](#)
[Back to Find/List Route Patterns](#)

Route Pattern: 3XXX

Status: Ready
Note: Any update to this Route Pattern automatically resets the associated gateway or Route List

Pattern Definition

Route Pattern*	<input type="text" value="3XXX"/>	
Partition	<input style="border: none;" type="text" value=" < None > "/>	
Description	<input type="text"/>	
Numbering Plan*	<input style="border: none;" type="text" value="North American Numbering Plan"/>	
Route Filter	<input style="border: none;" type="text" value=" < None > "/>	
MLPP Precedence	<input style="border: none;" type="text" value="Default"/>	
Gateway or Route List*	<input style="border: none;" type="text" value="S2/DS1-1@3745B4_E1"/> (Edit)	
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input style="border: none;" type="text" value=" — Not Selected — "/>	
Call Classification*	<input style="border: none;" type="text" value="OffNet"/> <input type="checkbox"/> Allow Device Override	
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level <input type="text" value="0"/>	
<input type="checkbox"/> Require Client Matter Code		

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask



Gateway or Route List*	S2/DS1-1@3745B4_E1	(Edit)
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern — Not Selected —	
Call Classification*	OffNet	<input type="checkbox"/> Allow Device Override
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level: 0	
<input type="checkbox"/> Require Client Matter Code		
Calling Party Transformations		
<input type="checkbox"/> 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		
Carrier Identification Code		
Network Service Protocol	— Not Selected —	
Network Service	Service Parameter Name	Service Parameter Value
— Not Selected —	< Not Exist >	
* indicates required item.		



Configure Overlap Sending Route Pattern

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Route Pattern Configuration

[Add a New Route Pattern](#)
[Back to Find/List Route Patterns](#)

Route Pattern: 9.X

Status: Ready
Note: Any update to this Route Pattern automatically resets the associated gateway or Route List

Pattern Definition

Route Pattern*	<input type="text" value="9.X"/>
Partition	<input type="text" value=" < None >"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value=" < None >"/>
MLPP Precedence	<input type="text" value="Default"/>
Gateway or Route List*	<input type="text" value="S2/DS1-1@3745B4_E1"/> (Edit)
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value=" - Not Selected -"/>
Call Classification*	<input type="text" value="OffNet"/> <input type="checkbox"/> Allow Device Override
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Allow Overlap Sending <input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	
Authorization Level	<input type="text" value="0"/>
<input type="checkbox"/> Require Client Matter Code	

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask



Gateway or Route List*	S2/DS1-1@3745B4_E1	(Edit)
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern — Not Selected —	
Call Classification*	OffNet	<input type="checkbox"/> Allow Device Override
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level: 0	
<input type="checkbox"/> Require Client Matter Code		
Calling Party Transformations		
<input type="checkbox"/> 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		
Carrier Identification Code		
Network Service Protocol	— Not Selected —	
Network Service	Service Parameter Name	Service Parameter Value
— Not Selected —	< Not Exist >	
* indicates required item.		



Configure PSTN Route Pattern

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Route Pattern Configuration

[Add a New Route Pattern](#)
[Back to Find/List Route Patterns](#)

Route Pattern: 91650364XXXX

Status: Ready
Note: Any update to this Route Pattern automatically resets the associated gateway or Route List

Pattern Definition

Route Pattern*	<input type="text" value="91650364XXXX"/>	
Partition	<input style="border: none;" type="text" value=" < None > "/>	
Description	<input type="text" value="PSTN Gateway"/>	
Numbering Plan*	<input style="border: none;" type="text" value="North American Numbering Plan"/>	
Route Filter	<input style="border: none;" type="text" value=" < None > "/>	
MLPP Precedence	<input style="border: none;" type="text" value="Default"/>	
Gateway or Route List*	<input style="border: none;" type="text" value="S2/DS1-1@3745B4_E1"/> (Edit)	
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input style="border: none;" type="text" value=" — Not Selected — "/>	
Call Classification*	<input style="border: none;" type="text" value="OffNet"/> <input type="checkbox"/> Allow Device Override	
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level <input type="text" value="0"/>	
<input type="checkbox"/> Require Client Matter Code		

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask



Gateway or Route List*	S2/DS1-1@3745B4_E1	(Edit)
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern — Not Selected —	
Call Classification*	OffNet	<input type="checkbox"/> Allow Device Override
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level: 0	
<input type="checkbox"/> Require Client Matter Code		
Calling Party Transformations		
<input type="checkbox"/> 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		
Carrier Identification Code		
Network Service Protocol	— Not Selected —	
Network Service	Service Parameter Name	Service Parameter Value
— Not Selected —	< Not Exist >	
* indicates required item.		



Configure Translation Pattern for Incoming Calls

Cisco CallManager 4.1 Administration - Translation Pattern Configuration - Microsoft Internet Explorer

Address: https://cm-antares/CCMAdmin/translationconfig.asp?pkid={78C73603-8B68-4CB6-A46A-0DF3FE768235}

Cisco CallManager Administration
For Cisco IP Telephony Solutions

Translation Pattern Configuration

[Add a New Translation Pattern](#)
[Back to Find/List Translation Patterns](#)

Translation Pattern: 4XXX
Status: Ready

Pattern Definition

Translation Pattern	<input type="text" value="4XXX"/>
Partition	<input type="text" value="Incoming Trunk"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value=" < None >"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value=" - Not Selected -"/>
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Urgent Priority

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Default"/>
Connected Name Presentation	<input type="text" value="Default"/>

Called Party Transformations

Discard Digits	<input type="text" value=" < None >"/>
Called Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

Done Local intranet



Configure CLIR Route Pattern

System		Route Plan	Service	Feature	Device	User	Application	Help
Cisco CallManager Administration <i>For Cisco IP Telephony Solutions</i>								
<h1>Route Pattern Configuration</h1>								Add a New Route Pattern Back to Find/List Route Patterns
Route Pattern: 3XXX								
Status: Ready								
Note: Any update to this Route Pattern automatically resets the associated gateway or Route List								
<input type="button" value="Copy"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>								
Pattern Definition								
Route Pattern*	<input type="text" value="3XXX"/>							
Partition	<input type="text" value=" < None >"/>							
Description	<input type="text"/>							
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>							
Route Filter	<input type="text" value=" < None >"/>							
MLPP Precedence	<input type="text" value="Default"/>							
Gateway or Route List*	<input type="text" value="S2/DS1-1@3745B4_E1"/> (Edit)							
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value=" — Not Selected —"/>							
Call Classification*	<input type="text" value="OffNet"/> <input type="checkbox"/> Allow Device Override							
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending <input type="checkbox"/> Urgent Priority							
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level <input type="text" value="0"/>							
<input type="checkbox"/> Require Client Matter Code								
Calling Party Transformations								
<input type="checkbox"/> Use Calling Party's External Phone Number Mask								
Calling Party Transform Mask	<input type="text"/>							
Prefix Digits (Outgoing Calls)	<input type="text"/>							
Calling Line ID Presentation	<input type="text" value="Restricted"/>							
Calling Name Presentation	<input type="text" value="Default"/>							



Configure CNIR Route Pattern

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Route Pattern Configuration

[Add a New Route Pattern](#)
[Back to Find/List Route Patterns](#)

Route Pattern: 3XXX
Status: Ready
Note: Any update to this Route Pattern automatically resets the associated gateway or Route List

Pattern Definition

Route Pattern*	<input type="text" value="3XXX"/>	
Partition	<input type="text" value=" < None >"/>	
Description	<input type="text"/>	
Numbering Plan*	<input type="text" value=" North American Numbering Plan"/>	
Route Filter	<input type="text" value=" < None >"/>	
MLPP Precedence	<input type="text" value=" Default"/>	
Gateway or Route List*	<input type="text" value=" S2/DS1-1@3745B4_E1"/> (Edit)	
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value=" — Not Selected —"/>	
Call Classification*	<input type="text" value=" OffNet"/> <input type="checkbox"/> Allow Device Override	
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input type="checkbox"/> Allow Overlap Sending	<input type="checkbox"/> Urgent Priority
<input type="checkbox"/> Require Forced Authorization Code	Authorization Level <input type="text" value=" 0"/>	
<input type="checkbox"/> Require Client Matter Code		

Calling Party Transformations

<input type="checkbox"/> Use Calling Party's External Phone Number Mask	
Calling Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value=" Default"/>
Calling Name Presentation	<input type="text" value=" Restricted"/>



Configure COLR Translation Pattern

Cisco CallManager 4.1 Administration - Translation Pattern Configuration - Microsoft Internet Explorer

Address: https://cm-antares/CCMAdmin/translationconfig.asp?pkid={78C73603-8B68-4CB6-A46A-0DF3FE768235}

Cisco CallManager Administration

For Cisco IP Telephony Solutions

Translation Pattern Configuration

[Add a New Translation Pattern](#)
[Back to Find/List Translation Patterns](#)

Translation Pattern: 4XXX
Status: Ready

Pattern Definition

Translation Pattern	4XXX
Partition	Incoming Trunk
Description	
Numbering Plan*	North American Numbering Plan
Route Filter	< None >
Calling Search Space	Phones
MLPP Precedence	Default
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern — Not Selected —
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> 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	Default

Called Party Transformations

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

* indicates required item.

Done Local intranet



Configure CONR Translation Pattern

Cisco CallManager 4.1 Administration - Translation Pattern Configuration - Microsoft Internet Explorer

Address: https://cm-antares/CCMAdmin/translationconfig.asp?pkid={78C73603-8B68-4CB6-A46A-0DF3FE768235}

Cisco CallManager Administration

For Cisco IP Telephony Solutions

Translation Pattern Configuration

[Add a New Translation Pattern](#)
[Back to Find/List Translation Patterns](#)

Translation Pattern: 4XXX
Status: Ready

Pattern Definition

Translation Pattern	4XXX
Partition	Incoming Trunk
Description	
Numbering Plan*	North American Numbering Plan
Route Filter	< None >
Calling Search Space	Phones
MLPP Precedence	Default
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern — Not Selected —
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> 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	Default
Connected Name Presentation	Restricted

Called Party Transformations

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

* indicates required item.

Done Local intranet



Configure MWI Lamp On/Off

The screenshot shows a Microsoft Internet Explorer browser window displaying the Cisco CallManager 4.1 Administration web interface. The browser's address bar shows the URL: `https://cm-antares/CCMAdmin/messagewaitingconfig.asp?pkid={5E16368A-F1AC-49B2-8F8C-39B65ADB36EE}`. The page title is "Cisco CallManager 4.1 Administration - Message Waiting Configuration".

The main content area features a navigation menu with links: System, Route Plan, Service, Feature, Device, User, Application, and Help. Below the menu is a header banner for "Cisco CallManager Administration For Cisco IP Telephony Solutions" with the Cisco Systems logo.

Message Waiting Configuration

Cisco CallManager 4.1 Administration [Add a New Message Waiting Number](#)
[Back to Find/List Message Waiting Numbers](#)

Message Waiting Number : 7001
Status: Ready

Message Waiting Number*

Description

Message Waiting Indicator On Off

Partition

Calling Search Space

* indicates required item

The browser's status bar at the bottom shows "Local intranet".



Cisco CallManager 4.1 Administration - Message Waiting Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address: https://cm-antares/CCMAdmin/messagewaitingconfig.asp?pkid={77B49AF0-2ABA-43DD-BBA7-7FA0C7DEA9AE} Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Message Waiting Configuration

[Add a New Message Waiting Number](#)
[Back to Find/List Message Waiting Numbers](#)

Message Waiting Number : 7000
Status: Ready

Copy Update Delete

Message Waiting Number*

Description

Message Waiting Indicator On Off

Partition

Calling Search Space

* indicates required item

Done Local intranet



Configure MWI Deactivate Translation Pattern

Cisco CallManager 4.1 Administration - Translation Pattern Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/translationconfig.asp?pkid={B6E886BF-475F-4AF1-81A9-209D98C3468F}> Go Links

Translation Pattern Configuration

[Add a New Translation Pattern](#)
[Back to Find/List Translation Patterns](#)

Translation Pattern: 7700
Status: Ready

Pattern Definition

Translation Pattern	<input type="text" value="7700"/>
Partition	<input type="text" value="Phones"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value=" < None >"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value=" -- Not Selected --"/>
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Urgent Priority

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Party Transform Mask	<input type="text" value="3004"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Default"/>
Connected Name Presentation	<input type="text" value="Default"/>

Called Party Transformations

Discard Digits	<input type="text" value=" < None >"/>
Called Party Transform Mask	<input type="text" value="7000"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

* indicates required item.

Done Local intranet



Configure MWI Activate Translation Pattern

Cisco CallManager 4.1 Administration - Translation Pattern Configuration - Microsoft Internet Explorer

Address: <https://cm-antares/CCMAdmin/translationconfig.asp?pkid={5BBF0A4B-F0A6-4242-A388-F3C977CCE918}>

Translation Pattern Configuration

[Add a New Translation Pattern](#)
[Back to Find/List Translation Patterns](#)

Translation Pattern: 7701
Status: Ready

Pattern Definition

Translation Pattern	<input type="text" value="7701"/>
Partition	<input type="text" value="Phones"/>
Description	<input type="text"/>
Numbering Plan*	<input type="text" value="North American Numbering Plan"/>
Route Filter	<input type="text" value="< None >"/>
Calling Search Space	<input type="text" value="Phones"/>
MLPP Precedence	<input type="text" value="Default"/>
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input type="text" value="— Not Selected —"/>
<input checked="" type="checkbox"/> Provide Outside Dial Tone	<input checked="" type="checkbox"/> Urgent Priority

Calling Party Transformations

Use Calling Party's External Phone Number Mask

Calling Mask	<input type="text" value="3004"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
Calling Line ID Presentation	<input type="text" value="Default"/>
Calling Name Presentation	<input type="text" value="Default"/>

Connected Party Transformations

Connected Line ID Presentation	<input type="text" value="Default"/>
Connected Name Presentation	<input type="text" value="Default"/>

Called Party Transformations

Discard Digits	<input type="text" value="< None >"/>
Called Party Transform Mask	<input type="text" value="7001"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>

* indicates required item.



Configure CallBack Service Parameters

Cisco CallManager 4.1 Administration - Service Parameters Configuration - Microsoft Internet Explorer

Address: https://cm-antares/CCMAdmin/serviceparameters.asp?crNodeName=CM-ANTARES&crNodeID={7332FB46-5806-44B3-9212-D0...}

Clusterwide Parameters (Feature - Call Back)

Parameter Name	Parameter Value	Suggested Value
Callback Enabled Flag*	True	True
Callback Notification Audio File Name*	CallBack.raw	CallBack.raw
Connection Proposal Type*	Connection Retention	Connection Retention
Connection Response Type*	Default to Connection Retention	Default to Connection Retention
Callback Request Protection Timer (T1) (sec)*	10	10
Callback Recall Timer (T3) (sec)*	20	20
Callback Calling Search Space	< None >	



Configure Callback Softkeys

Cisco CallManager 4.1 Administration - Softkey Template Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://cm-antares/CCMAdmin/softkeytemplateconfig.asp?pkid={F7335677-BAEC-4A69-AEEB-26437BB49891}> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Softkey Template Configuration

[Add New Softkey Template](#)
[Configure Softkey Layout](#)
[Dependency Records](#)
[Back to Find/List Softkey Templates](#)

Softkey Template: Standard User CallBack
Status: Ready

Softkey Template Name*

Description

Application

* indicates required item



Cisco CallManager 4.1 Administration - Softkey Layout Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/softkeylayoutconfig.asp?pkid={F7335677-BAEC-4A69-AEEB-26437BB49891}> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration

For Cisco IP Telephony Cisco CallManager 4.1 Administration



Softkey Layout Configuration

[Softkey Template Configuration](#)

Call States

- Connected
- Connected Conference
- Connected Transfer
- Digits After First
- Off Hook
- Off Hook With Feature
- On Hold
- On Hook**
- Remote In Use
- Ring In
- Ring Out

Softkey Template: Standard User CallBack

Status: Ready

Unselected Softkeys

- Conference List (30)(ConfList)
- Direct Transfer (28)(DirTrfr)
- Immediate Divert (31)(IDivert)
- Join (15)(Join)
- Quality Report Tool (22)(QRT)
- Remove Last Conference Party (19)
- Select (29)(Select)
- Undefined (0)(Undefined)
- Video Mode Command (33)(VidMod)

Selected Softkeys (ordered by position)**

- Redial (1)(Redial)
- **NewCall (2)(NewCall)
- Forward All (5)(CfwdAll)
- Call Back (20)(CallBack)

** indicates mandatory fields
* indicates required item



Cisco CallManager 4.1 Administration - Softkey Layout Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <https://cm-antares/CCMAdmin/softkeylayoutconfig.asp?pkid={F7335677-BAEC-4A69-AEEB-26437BB49891}&callState=8> Go Links

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

CISCO SYSTEMS

Softkey Layout Configuration

[Softkey Template Configuration](#)

Call States

- Connected
- Connected Conference
- Connected Transfer
- Digits After First
- Off Hook
- Off Hook With Feature
- On Hold
- On Hook
- Remote In Use
- Ring In
- Ring Out**

Softkey Template: Standard User CallBack

Status: Ready

Update Restart Devices

Unselected Softkeys

Undefined (0)(Undefined)

Selected Softkeys (ordered by position)**

Undefined (0)(Undefined)
**End Call (9)(EndCall)
Call Back (20)(CallBack)

** indicates mandatory fields
* indicates required item



Configure Path Replacement Service Parameters

Cisco CallManager 4.1 Administration - Service Parameters Configuration - Microsoft Internet Explorer

Address: https://cm-antares/CCMAdmin/serviceparameters.asp?crNodeName=CM-ANTARES&crNodeID={7332FB46-5806-44B3-9212-D...}

Clusterwide Parameters (Feature - Path Replacement)

Parameter Name	Parameter Value	Suggested Value
Path Replacement Enabled*	True	False
Path Replacement on Tromboned Calls*	True	True
Start Path Replacement Minimum Delay Time (sec)*	2	0
Start Path Replacement Maximum Delay Time (sec)*	4	0
Path Replacement T1 Timer (sec)*	30	30
Path Replacement T2 Timer (sec)*	15	15
Path Replacement PINX Id	4100	
Path Replacement Calling Search Space	PathreplacementCCS	



Configure Call Pickup

System Route Plan Service Feature Device User Application Help

Call Pickup Configuration

[Add a New Call Pickup Number](#)
[Back to Find/List Call Pickup Numbers](#)
[Dependency Records](#)

Call Pickup Number: 4100 - Phones
Status: Ready

Copy Update Delete

Cal Pickup Number* 4100

Description

Partition Phones

* indicates required item



Configure Forward by Reroute Service Parameter

Cisco CallManager 4.1 Administration - Service Parameters Configuration - Microsoft Internet Explorer

Address: <https://cm-antares/CCMAdmin/serviceparameters.asp?crNodeName=CM-ANTARES&crNodeID={7332FB46-5806-44B3-9212-D...}>

Clusterwide Parameters (Feature - Forward)

Parameter Name	Parameter Value	Suggested Value
Forward Maximum Hop Count*	<input type="text" value="12"/>	12
Forward No Answer Timer (sec)*	<input type="text" value="12"/>	12
Max Forward Hops to DN*	<input type="text" value="12"/>	12
Retain Forward Information*	<input type="text" value="False"/>	False
Forward By Reroute Enabled*	<input type="text" value="True"/>	False
Forward By Reroute T1 Timer (sec)*	<input type="text" value="10"/>	10



Configure IP Phones

Cisco CallManager 4.1 Administration - Phone Configuration - Microsoft Internet Explorer

Address: <https://cm-antares/CCMAdmin/phoneconfig.asp?pkid={9F73B698-76CB-4C49-8798-C35DEDB9613F}>

Phone Configuration

[Add a new phone](#)
[Add/Update Speed Dials](#)
[Subscribe/Unsubscribe Services](#)
[Dependency Records](#)
[Back to Find/List Phones](#)

Directory Numbers

Base Phone

- Line 1 - 4000 in Phones
- Line 2 - Add new DN

Phone: SEP00024BCCE045 (Auto 4000)
Registration: Registered with Cisco CallManager CM-ANTARES
IP Address: 172.20.237.101
Status: Ready

Phone Configuration (Model = Cisco 7960)

Device Information

MAC Address*	<input type="text" value="00024BCCE045"/>
Description	<input type="text" value="Auto 4000"/>
Owner User ID	<input type="text"/> (Select User ID)
Device Pool*	<input type="text" value="Default"/> (View details)
Calling Search Space	<input type="text" value="< None >"/>
AAR Calling Search Space	<input type="text" value="< None >"/>
Media Resource Group List	<input type="text" value="< None >"/>
User Hold Audio Source	<input type="text" value="< None >"/>
Network Hold Audio Source	<input type="text" value="< None >"/>
Location	<input type="text" value="< None >"/>
User Locale	<input type="text" value="< None >"/>
Network Locale	<input type="text" value="< None >"/>
Device Security Mode	<input type="text" value="Use System Default"/>
Signal Packet Capture Mode	<input type="text" value="None"/>
Packet Capture Duration	<input type="text" value="0"/>
Built In Bridge	<input type="text" value="Default"/>
Privacy	<input type="text" value="Default"/>

Retry Video Call as Audio
 Ignore Presentation Indicators (internal calls only)

Phone Button Template Information

Phone Button Template*	<input type="text" value="Standard 7960"/> (View button list)
------------------------	---

Softkey Template Information

Softkey Template	<input type="text" value="Standard User CallBack"/>
------------------	---

Expansion Module Information



Cisco CallManager 4.1 Administration - Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://cm-antares/CCMAdmin/phoneconfig.asp?pkid={9F73B698-76CB-4C49-8798-C35DEDB9613F}> Go Links

Expansion Module Information

Module 1

Module 2

Firmware Load Information (leave blank to use default)

Phone Load Name

Module 1 Load Name (Module 1 selection required)

Module 2 Load Name (Module 2 selection required)

Cisco IP Phone - External Data Locations (leave blank to use default)

Information

Directory

Messages

Services

Authentication Server

Proxy Server

Idle

Idle Timer (seconds)

Extension Mobility (Device Profile) Information

Enable Extension Mobility Feature

Log Out Profile

Log In User ID

Log In Time

Log Out Time

Certification Authority Proxy Function (CAPF) Information

Certificate Operation

Authentication Mode

Authentication String

Key Size (bits)

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

Certificate Operation Status : None

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain (e.g., "0000FF")

MLPP Indication

MLPP Preemption

Local intranet



Cisco CallManager 4.1 Administration - Phone Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://cm-antares/CCMAdmin/phoneconfig.asp?pkid={9F73B698-76CB-4C49-8798-C35DEDB9613F}>

Idle Timer (seconds)

Extension Mobility (Device Profile) Information

Enable Extension Mobility Feature

Log Out Profile: — Not Selected —

Log In User ID: < None >

Log In Time: < None >

Log Out Time: < None >

Certification Authority Proxy Function (CAPF) Information

Certificate Operation: No Pending Operation

Authentication Mode: By Authentication String

Authentication String:

Key Size (bits): 1024

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

Certificate Operation Status : None

Multilevel Precedence and Preemption (MLPP) Information

MLPP Domain: (e.g., "0000FF")

MLPP Indication: Default

MLPP Preemption: Default

Product Specific Configuration i

Disable Speakerphone:

Disable Speakerphone and Headset:

Forwarding Delay*: Disabled

PC Port*: Enabled

Settings Access*: Enabled

Gratuitous ARP*: Enabled

PC Voice VLAN Access*: Enabled

Video Capabilities*: Disabled

Auto Line Select*: Disabled

Web Access*: Enabled

* indicates a required item.
** Indicates time on Publisher.

[Back to top of page](#)
[Back to Find/List Phones](#)



Configure Directory Number

Cisco CallManager 4.1 Administration - Directory Number Configuration - Microsoft Internet Explorer

Address: <https://cm-antares/CCMAdmin/directorynumber.asp?NumPlanMapID={124F2B7C-A16A-4B8C-BD3B-F1B35443BCD4}>

Directory Number Configuration

[Configure Device \(SEP00024BCCE045\)](#)
[Dependency Records](#)

Associated With
SEP00024BCCE045
7960 (Line 1)

Directory Number: 4000 (Phones)
Status: Ready
Note: Any update to this Directory Number automatically resets the associated devices

Directory Number

Directory Number*
Partition

Directory Number Settings

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

Calling Search Space
AAR Group
User Hold Audio Source
Network Hold Audio Source
Auto Answer

Call Forward and Pickup Settings

	Voice Mail	Coverage/ Destination	Calling Search Space
Forward All	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward Busy Internal	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward Busy External	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward No Answer Internal	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward No Answer External	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward No Coverage Internal	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
Forward No Coverage External	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="< None >"/>
No Answer Ring Duration	<input type="text"/>	(seconds)	
Call Pickup Group	<input type="text" value="< None >"/>		

MLPP Alternate Party Settings

Target (Destination)
Calling Search Space
No Answer Ring Duration (seconds)

Line Settings for all Devices

<https://cm-antares/CCMAdmin/phoneconfig.asp?pkid={9F73B698-76CB-4C49-8798-C35DED89613F}&Action=L> Local intranet



Cisco CallManager 4.1 Administration - Directory Number Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://cm-antares/CCMAdmin/directorynumber.asp?NumPlanMapID={124F2B7C-A16A-4BBC-BD3B-F1B35443BCD4}

Forward No Answer Internal [] < None >

Forward No Answer External [] < None >

Forward No Coverage Internal [] < None >

Forward No Coverage External [] < None >

No Answer Ring Duration [] (seconds)

Call Pickup Group < None >

MLPP Alternate Party Settings

Target (Destination) []

Calling Search Space < None >

No Answer Ring Duration [] (seconds)

Line Settings for all Devices

Alerting Name John Smith

Line Settings for this Device

Display (Internal Caller ID) John Smith

Line Text Label John Smith

External Phone Number Mask []

Message Waiting Lamp Policy Use System Policy

Ring Setting (Phone Idle) Use System Default

Ring Setting (Phone Active)** Use System Default

Multiple Call / Call Waiting Settings

Maximum Number of Calls* 4 (1 - 200)

Busy Trigger* 2 (<= Max. Calls)

Forwarded Call Information Display

Caller Name Caller Number

Redirected Number Dialed Number

* indicates required item; changes to Line or Directory Number settings require restart.
** Ring Setting (Phone Active) applies to this line when any line on the phone has a call in progress.

Note:
If you are using a language other than English for Display (Internal Caller ID) or Line Text Label text, make sure the correct character set (shown below) is selected. Text displays incorrectly if the wrong character set is selected. (English characters are included in all character sets.)

Character Set Western European (Latin 1)

Local intranet



Configuring the Cisco 3745 Router

```
3745B4_E1#sho ver
```

```
Cisco IOS Software, 3700 Software (C3745-ADVENTERPRISEK9-M), Version 12.3(7)T, RELEASE SOFTWARE  
(fc1)
```

```
Technical Support: http://www.cisco.com/techsupport
```

```
Copyright (c) 1986-2004 by Cisco Systems, Inc.
```

```
Compiled Sat 21-Feb-04 05:53 by eaarmas
```

```
ROM: System Bootstrap, Version 12.2(8r)T2, RELEASE SOFTWARE (fc1)
```

```
3745B4_E1 uptime is 1 week, 6 days, 4 hours, 47 minutes
```

```
System returned to ROM by power-on
```

```
System image file is "flash:c3745-adventerprisek9-mz.123-7.T.bin"
```

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

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to export@cisco.com.

Cisco 3745 (R7000) processor (revision 2.0) with 248832K/13312K bytes of memory.



Processor board ID JMX0715L08P
R7000 CPU at 350MHz, Implementation 39, Rev 3.3, 256KB L2, 2048KB L3 Cache
2 FastEthernet interfaces
62 Serial interfaces
4 Channelized E1/PRI ports
DRAM configuration is 64 bits wide with parity disabled.
151K bytes of NVRAM.
125184K bytes of ATA System CompactFlash (Read/Write)

Configuration register is 0x101

3745B4_E1#

3745B4_E1#**sho run**

Building configuration...

Current configuration : 3306 bytes

```
!  
version 12.3  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname 3745B4_E1  
!  
boot-start-marker  
boot-end-marker  
!  
!  
no network-clock-participate slot 1  
no network-clock-participate slot 2  
no network-clock-participate slot 3  
no network-clock-participate slot 4
```



```
no network-clock-participate wic 0
no network-clock-participate wic 1
no network-clock-participate wic 2
no network-clock-participate aim 0
no network-clock-participate aim 1
voice-card 2

  dspfarm

!

no aaa new-model

ip subnet-zero

ip cef

!

!

ip tcp synwait-time 13

ip dhcp excluded-address 192.168.10.0 192.168.10.60

ip dhcp excluded-address 192.168.11.0 192.168.11.10
!

ip dhcp pool hq-pool-phones
  network 192.168.10.0 255.255.255.0
  option 150 ip 192.168.10.50
  default-router 192.168.10.1

!

ip dhcp pool hq-pool-data
  network 192.168.11.0 255.255.255.0
  default-router 192.168.11.1

!

!

no ip domain lookup

ip host whiz 171.69.1.162
ip host dirt 171.69.1.129
ip host danube 171.69.17.14
ip host CM-ANTARES 172.20.237.254
ip name-server 172.20.237.254
```



```
ip audit po max-events 100
ip dhcp-server 192.168.10.1
no ftp-server write-enable
isdn switch-type primary-net5
!
!
voice call carrier capacity active
!
!
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server CM-ANTARES
ccm-manager config
!
!
controller E1 0/0
!
controller E1 0/1
!
controller E1 2/0
  pri-group timeslots 1-31 service mgcp
!
controller E1 2/1
  pri-group timeslots 1-31 service mgcp
!
no crypto isakmp enable
!
!
interface FastEthernet0/0
ip address 172.20.5.2 255.255.255.0
  duplex auto
  speed auto
```



```
!  
interface FastEthernet0/0.10  
  encapsulation dot1Q 10  
!  
interface FastEthernet0/0.11  
  encapsulation dot1Q 11  
  ip address 192.168.11.1 255.255.255.0  
!  
interface FastEthernet0/1  
  no ip address  
  shutdown  
  duplex auto  
  speed auto  
!  
interface Serial2/0:15  
  no ip address  
  no logging event link-status  
  isdn switch-type primary-qsig  
  isdn protocol-emulate network  
  isdn incoming-voice modem  
  isdn incoming-voice voice  
  isdn bind-13 ccm-manager  
  no cdp enable  
!  
interface Serial2/1:15  
  no ip address  
  no logging event link-status  
  isdn switch-type primary-qsig  
  isdn incoming-voice modem  
  isdn incoming-voice voice  
  isdn bind-13 ccm-manager  
  isdn bchan-number-order ascending
```



```
no cdp enable
!
ip classless
ip route 0.0.0.0 0.0.0.0 FastEthernet0/0
ip route 0.0.0.0 0.0.0.0 172.20.31.1
ip route 0.0.0.0 0.0.0.0 172.20.33.1
ip route 0.0.0.0 0.0.0.0 172.20.237.1
!
ip http server
no ip http secure-server
!
!
dialer-list 1 protocol ip permit
!
!
control-plane
!
!
voice-port 2/0:15
!
voice-port 2/1:15
!
mgcp
mgcp call-agent CM-ANTARES 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 package-capability rtp-package
no mgcp package-capability res-package
mgcp package-capability sst-package
no mgcp package-capability fxr-package
no mgcp timer receive-rtcp
mgcp sdp simple
```



```
mgcp fax t38 inhibit
mgcp rtp payload-type g726r16 static
!
mgcp profile default
!
!
dial-peer cor custom
!
!
dial-peer voice 1 pots
  application mgcpapp
  port 2/0:15
!
dial-peer voice 2 pots
  application mgcpapp
  port 2/1:15
!
!
line con 0
line aux 0
line vty 0 4
  login
!
!
end
```

3745B4_E1#

3745B4_E1#**sh diag**

c3700 IO-Board EEPROM:

```
Hardware Revision      : 2.0
Top Assy. Part Number  : 800-14462-01
Board Revision         : B0
```



Deviation Number : 0-0
Fab Version : 03
PCB Serial Number : JAD07060M7X
RMA Test History : 00
RMA Number : 0-0-0-0
RMA History : 00
Calibration Data : Minimum: -1 dBmV, Maximum: -1 dBmV
Calibration values : 0xFFFF 0xFFFF 0xFFFF 0xC28B 0x4A4D 0x5830
0x3731 0x354C 0x3038 0x50FF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFFD 0x0110 0xDFAB 0x1234 0xCD00
0x0000 0xBF65 0x9C5D 0xDC62 0xD936 0xC460
0x4269 0x0066 0x24BA 0xDC66 0x24B9 0xF880
0x0000 0x1200 0x0000 0x0100 0x0000 0x0053
0x6572 0x6961 0x6C32 0x2F31 0x3A30 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x00FD 0x0110 0xDFAB
0x1234 0xCD00 0x0000 0x0365 0x583F 0x3063
0x0AE0 0xA861 0x9926 0x1866 0x24BB 0x2066
0x24BA 0xA400 0x0000 0x0E00 0x0000 0x0061
0x9930 0x94DE 0xADBE 0xEF61 0x9930 0x9400
0x0000 0x000D 0x0D0D 0x0D65 0xA3B4 0x9465
0xF4D6 0xDC0D 0x0D0D 0x0DAB 0x1234 0xCD00
0x0000 0x0365 0x583F 0x3063 0x0BC8 0x1C60
0x780D 0x1066 0x24E2 0x5C66 0x24BA 0xF080
0x0013 0x8A00 0x0000 0x0100 0x0000 0x00EF
0x4321 0xCD00 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000



```

0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x00EF 0x4321 0xCD00
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x00EF 0x4321 0xCD00 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x00EF
0x4321 0xCD00 0x0000

```

Chassis Serial Number : JMX0715L08P

EEPROM format version 4

EEPROM contents (hex):

```

0x00: 04 FF 40 02 F8 41 02 00 C0 46 03 20 00 38 7E 01
0x10: 42 42 30 80 00 00 00 00 02 03 C1 8B 4A 41 44 30
0x20: 37 30 36 30 4D 37 58 03 00 81 00 00 00 00 04 00
0x30: C8 09 FF FF FF FF FF FF FF FF C2 8B 4A 4D 58
0x40: 30 37 31 35 4C 30 38 50 FF FF FF FF FF FF FF FF
0x50: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

```

c3700 Mid-Plane EEPROM:

```

Hardware Revision      : 2.0
Top Assy. Part Number  : 800-12289-01

```



Board Revision : A0
Deviation Number : 0-0
Fab Version : 05
PCB Serial Number : SMQ0710T03N
RMA Test History : 00
RMA Number : 0-0-0-0
RMA History : 00
Calibration Data : Minimum: -1 dBmV, Maximum: -1 dBmV
Calibration values : 0xFFFF 0xFFFF 0xFFFF 0xC28B 0x4A4D 0x5830
0x3731 0x354C 0x3038 0x5043 0x0050 0xC306
0x000C 0x30D0 0x1E50 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF 0xFFFF
0xFFFF 0xFFFFD 0x0110 0xDFAB 0x1234 0xCD00
0x0000 0x0365 0x583F 0x3063 0x0AE0 0xA861
0x9849 0x6865 0xF910 0xA465 0xF90E 0x9080
0x0000 0xAA00 0x0000 0x0100 0x0000 0x0032
0x3030 0x2038 0x3638 0x204F 0x4B0A 0x493A
0x2033 0x410A 0x0A76 0x3D30 0x0D0A 0x633D
0x494E 0x2049 0x5034 0x2031 0x3732 0x2E32
0x302E 0x352E 0x320D 0x0A6D 0x3D61 0x7564
0x696F 0x2031 0x3734 0x3538 0x2052 0x5450
0x2F41 0x5650 0x2030 0x2038 0x2039 0x3920
0x3130 0x3120 0x3130 0x3220 0x3220 0x3130
0x3320 0x3138 0x2031 0x3235 0x0D0A 0x613D
0x7274 0x706D 0x6170 0x3A39 0x3920 0x472E
0x3732 0x3961 0x2F38 0x3030 0x300D 0x0A61
0x3D72 0x7470 0x6D61 0x703A 0x3130 0x3120
0x472E 0x3732 0x362D 0x3136 0x2F38 0x3030
0x300D 0x0A61 0x3D72 0x7470 0x6D61 0x703A
0x3130 0x3220 0x472E 0x3732 0x362D 0x3234



```

0x2F38 0x3030 0x300D 0x0A61 0x3D72 0x7470
0x6D61 0x703A 0x3130 0x3320 0x472E 0x3732
0x3962 0x2F38 0x3030 0x300D 0x0A61 0x3D72
0x7470 0x6D61 0x703A 0x3132 0x3520 0x472E
0x6E58 0x3634 0x2F38 0x3030 0x300D 0x0A00
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x0000
0x0000 0x0000 0x0000 0x0000 0x0000 0x00FD
0x0110 0xDFAB 0x1234 0xCD00 0x0000 0x0365
0x583F 0x3063 0x0AE0 0xA861 0x9849 0x6865
0xF911 0xD865 0xF90F 0x3C80 0x0000 0x8600
0x0000 0x0100 0x0000 0x0032 0x3530 0x2038
0x3639 0x204F 0x4B0A

```

Chassis Serial Number : JMX0715L08P

MAC Address block size : 80

Chassis MAC Address : 000c.30d0.1e50

EEPROM format version 4

EEPROM contents (hex):

```

0x00: 04 FF 40 03 3E 41 02 00 C0 46 03 20 00 30 01 01
0x10: 42 41 30 80 00 00 00 00 02 05 C1 8B 53 4D 51 30
0x20: 37 31 30 54 30 33 4E 03 00 81 00 00 00 00 04 00
0x30: C8 09 FF FF FF FF FF FF FF FF FF C2 8B 4A 4D 58
0x40: 30 37 31 35 4C 30 38 50 43 00 50 C3 06 00 0C 30
0x50: D0 1E 50 FF FF FF FF FF FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

```



Slot 0:

C3745 Mother board 2FE(TX)-3W Port adapter, 2 ports

Port adapter is analyzed

Port adapter insertion time unknown

EEPROM contents at hardware discovery:

PCB Serial Number : JAD071106DY
Processor type : 69
Top Assy. Part Number : 800-15934-02
Board Revision : B0
Fab Part Number : 28-4672-04
Deviation Number : 65535-65535
Manufacturing Test Data : FF FF FF FF FF FF FF FF
RMA Number : 0-0-0-0
RMA History : 00
RMA Test History : 00
Field Diagnostics Data : FF FF FF FF FF FF FF FF
Hardware Revision : 2.0
Fab Version : 04
Chassis Serial Number : JMX0715L08P

EEPROM format version 4

EEPROM contents (hex):

0x00: 04 FF C1 8B 4A 41 44 30 37 31 31 30 36 44 59 09
0x10: 69 40 02 F7 C0 46 03 20 00 3E 3E 02 42 42 30 85
0x20: 1C 12 40 04 80 FF FF FF FF C4 08 FF FF FF FF FF
0x30: FF FF FF 81 00 00 00 00 04 00 03 00 C5 08 FF FF
0x40: FF FF FF FF FF FF 41 02 00 02 04 C2 8B 4A 4D 58
0x50: 30 37 31 35 4C 30 38 50 FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

WIC Slot 0:

E1 (2 port) WAN daughter card



Hardware revision 1.0 Board revision B0
Serial number 17750448 Part number 800-04479-01
Test history 0x0 RMA number 00-00-00
Connector type PCI
EEPROM format version 1
EEPROM contents (hex):

0x20: 01 23 01 00 01 0E D9 B0 50 11 7F 01 00 00 00 00
0x30: 58 00 00 00 00 01 03 00 FF FF FF FF FF FF FF FF

Slot 2:

High Density Voice Port adapter
Port adapter is analyzed
Port adapter insertion time unknown
EEPROM contents at hardware discovery:

Hardware Revision : 1.1
Top Assy. Part Number : 800-03567-01
Board Revision : E0
Deviation Number : 0-0
Fab Version : 02
PCB Serial Number : JAB043409F7
RMA Test History : 00
RMA Number : 0-0-0-0
RMA History : 00

EEPROM format version 4
EEPROM contents (hex):

0x00: 04 FF 40 00 CC 41 01 01 C0 46 03 20 00 0D EF 01
0x10: 42 45 30 80 00 00 00 02 02 C1 8B 4A 41 42 30
0x20: 34 33 34 30 39 46 37 03 00 81 00 00 00 04 00
0x30: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x40: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x50: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x60: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF



0x70: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

WIC Slot 0:

E1 (2 Port) Multi-Flex Trunk WAN Daughter Card

Hardware revision 1.0 Board revision A0

Serial number 27242745 Part number 800-04479-03

Test history 0x0 RMA number 00-00-00

Connector type PCI

EEPROM format version 1

EEPROM contents (hex):

0x20: 01 23 01 00 01 9F B0 F9 50 11 7F 03 00 00 00 00

0x30: 50 00 00 00 01 11 13 00 FF FF FF FF FF FF FF FF

HDV firmware: Compiled Tue 10-Sep-02 19:12 by richc

HDV memory size 524280 heap free 142049

3745B4_E1#

3745B4_E1#**sh controller e1**

E1 0/0 is down.

Applique type is Channelized E1 - balanced

Far End Block Errors Detected

Receiver has loss of signal.

alarm-trigger is not set

Version info Firmware: 20031216, FPGA: 11

Framing is CRC4, Line Code is HDB3, Clock Source is Line.

CRC Threshold is 320. Reported from firmware is 320.

Data in current interval (141 seconds elapsed):

0 Line Code Violations, 0 Path Code Violations

0 Slip Secs, 0 Fr Loss Secs, 0 Line Err Secs, 0 Degraded Mins

0 Errored Secs, 0 Bursty Err Secs, 0 Severely Err Secs, 141 Unavail Secs

E1 0/1 is down.



Applique type is Channelized E1 - balanced

Far End Block Errors Detected

Receiver has loss of signal.

alarm-trigger is not set

Version info Firmware: 20031216, FPGA: 11

Framing is CRC4, Line Code is HDB3, Clock Source is Line.

CRC Threshold is 320. Reported from firmware is 320.

Data in current interval (143 seconds elapsed):

0 Line Code Violations, 0 Path Code Violations

0 Slip Secs, 0 Fr Loss Secs, 0 Line Err Secs, 0 Degraded Mins

0 Errored Secs, 0 Bursty Err Secs, 0 Severely Err Secs, 143 Unavail Secs

E1 2/0 is up.

Applique type is Channelized E1 - balanced

No alarms detected.

alarm-trigger is not set

Version info Firmware: 20031216, FPGA: 11

Framing is CRC4, Line Code is HDB3, Clock Source is Line.

CRC Threshold is 320. Reported from firmware is 0.

Data in current interval (147 seconds elapsed):

0 Line Code Violations, 0 Path Code Violations

0 Slip Secs, 0 Fr Loss Secs, 0 Line Err Secs, 0 Degraded Mins

0 Errored Secs, 0 Bursty Err Secs, 0 Severely Err Secs, 0 Unavail Secs

E1 2/1 is up.

Applique type is Channelized E1 - balanced

No alarms detected.

alarm-trigger is not set

Version info Firmware: 20031216, FPGA: 11

Framing is CRC4, Line Code is HDB3, Clock Source is Line.

CRC Threshold is 320. Reported from firmware is 0.

Data in current interval (148 seconds elapsed):

0 Line Code Violations, 0 Path Code Violations

4 Slip Secs, 0 Fr Loss Secs, 0 Line Err Secs, 0 Degraded Mins



4 Errored Secs, 0 Bursty Err Secs, 0 Severely Err Secs, 0 Unavail Secs

3745B4_E1#

Acronyms

Acronym	Definitions
ANF-PR	Additional Network Feature Path Replacement
AOC	Advice-of-charge. Information element is sent with the connection setup information for incoming Euro-ISDN connections. The AOC IE is used for call charge calculation.
CCM	Cisco Unified 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

Important Information

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.



IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.



Corporate Headquarters

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

European Headquarters

Cisco Systems International
BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

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

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on **the Cisco Web site at www.cisco.com/go/offices.**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright 2003 Cisco Systems, Inc. All rights reserved. Cisco, Cisco Systems, and the Cisco Systems logo are registered trademarks or trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries. All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0301R)