



# Cisco Catalyst 6000 Series Gateway-PBX Interoperability: Lucent/Avaya Definity G3si V9 PBX with T1 PRI Signaling

This document describes the interoperability and configuration of a Cisco Catalyst 6000 series voice gateway with a Lucent/Avaya Definity G3si PBX using T1 PRI signaling. It includes the following sections:

- System Components
- Configuration Tasks
- Caveats

## System Components

<b>PBX Model</b>	Lucent/Avaya Definity G3si
<b>PBX Release</b>	V9
<b>Telephony Signaling</b>	T1 PRI
<b>Voice Gateway</b>	Cisco Catalyst 6608
<b>Gateway Release</b>	5.5(6a)
<b>Call Manager Release</b>	3.1(1)
<b>VoX Protocol</b>	MGCP

## Configuration Tasks

See the following sections for configuration tasks for this feature:

- Set Up
- Lucent/Avaya Definity PBX Configuration
- Cisco Call Manager Configuration
- Cisco Catalyst 6608 Gateway Configuration

## Set Up

This section includes the following information:

- Connectivity Diagrams
- Set Up Notes

### Connectivity Diagrams

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**Figure 1: Test Configuration**

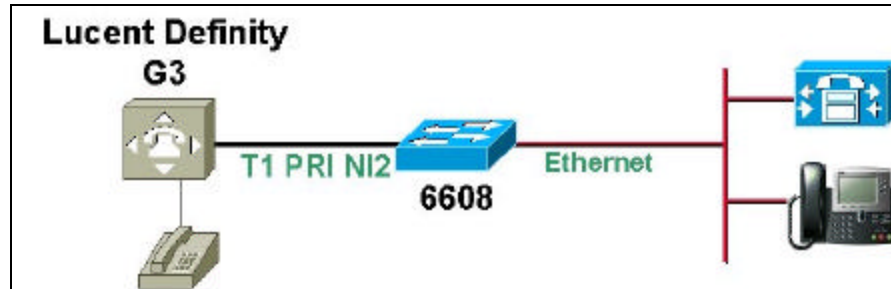


Figure 1 represents the configuration used for testing: a Lucent/Avaya Definity G3si PBX connected to a Cisco Catalyst 6608 voice gateway via a T1 PRI connection.

### Set Up Notes

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- The Cisco 6608-T1 Gateway with ISDN protocol type setting of PRI-NI2 supports both protocol sides by selecting “Network/User” in the protocol side field when configuring the Gateway via CallManager.
- The Lucent/Avaya Definity G3si PBX supports both “USER” and “NETWORK” protocol sides.

## Lucent/Avaya Definity PBX Configuration

### Lucent/Avaya Definity PBX Version Information

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- Software: Version V9
- Hardware: TN464F, DS1 INTFC 24/32.

### Lucent/Avaya Definity PBX Sample Configuration

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Configure in the following sequence:

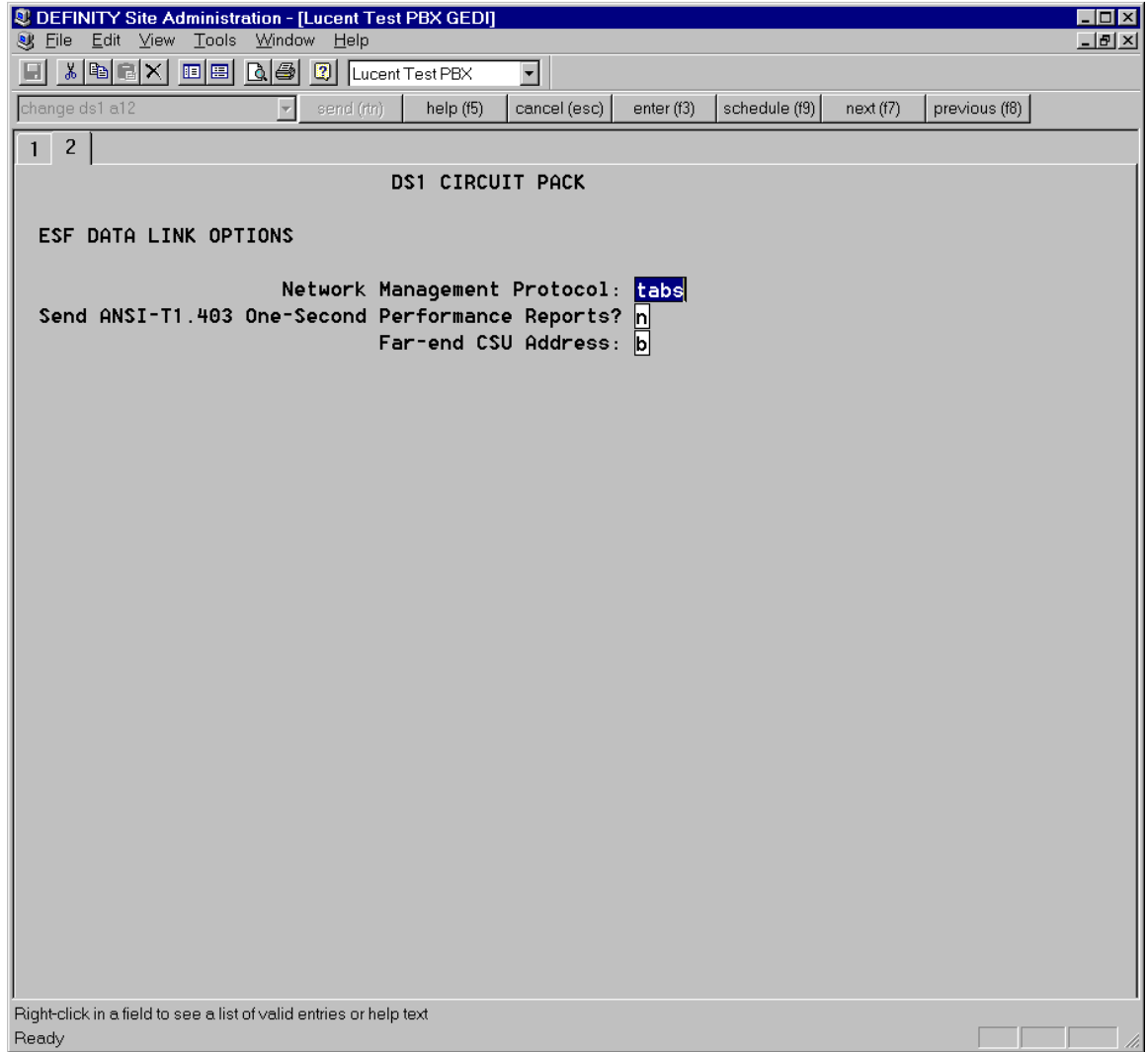
1. Add the new DS1 circuit pack
2. Add the new signaling group
3. Add the new trunk group
4. Add Uniform Dialing Plan

## Add the New DS1 Circuit Pack

The screenshot shows the 'DEFINITY Site Administration - [Lucent Test PBX GED]' window. The main area is titled 'DS1 CIRCUIT PACK' and contains the following configuration fields:

Location:	01A12	Name:	ISDN PRI
Bit Rate:	1.544	Line Coding:	b8zs
Line Compensation:	1	Framing Mode:	esf
Signaling Mode:	isdn-pri		
Connect:	network		
CentreUu Long Timers?	n	Country Protocol:	1
Interworking Message:	PROGress	Protocol Version:	a
Interface Companding:	mulaw	CRC?	n
Idle Code:	11111111	DCP/Analog Bearer Capability:	3.1kHz
Slip Detection?	n	Near-end CSU Type:	other

Right-click in a field to see a list of valid entries or help text  
Ready



## Add the New Signaling Group

The screenshot shows the 'DEFINITY Site Administration - [Lucent Test PBX GEDI]' window. The title bar includes 'File Edit View Tools Window Help' and a toolbar with icons for file operations. Below the toolbar is a dropdown menu set to 'Lucent Test PBX' and a row of function keys: 'change signaling-group 3', 'send (rtt)', 'help (f5)', 'cancel (esc)', 'enter (f3)', 'schedule (f9)', 'next (f7)', and 'previous (f6)'. A tabbed interface at the top shows tabs numbered 1 through 5, with tab 3 selected. The main content area is titled 'SIGNALING GROUP' and contains the following configuration fields:

- Group Number: 3
- Associated Signaling?  U
- Primary D-Channel:
- Max number of NCA TSC:
- Max number of CA TSC:
- Trunk Group for NCA TSC:
- Trunk Group for Channel Selection:
- Supplementary Service Protocol:

At the bottom of the window, there is a status bar with the text 'Right-click in a field to see a list of valid entries or help text' and 'Ready'.

## Add the New Trunk Group

DEFINITY Site Administration - [Lucent Test PBX GEDI]

File Edit View Tools Window Help

Lucent Test PBX

change trunk-group 14 send (ftr) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK GROUP**

Group Number: 14 Group Type: isdn CDR Reports:

Group Name: ISDN T1 PRI COR: 1 TN: 1 TAC: 669

Direction: two-way Outgoing Display?

Dial Access?  Busy Threshold: 99 Night Service:

Queue Length: 0

Service Type: tie Auth Code? n TestCall ITC: rest

Far End Test Line No:

TestCall BCC: 4

**TRUNK PARAMETERS**

Codeset to Send Display: 0 Codeset to Send National IEs: 7

Max Message Size to Send: 260 Charge Advice: none

Supplementary Service Protocol: a Digit Handling (in/out): enbloc/enbloc

Trunk Hunt: ascend

Digital Loss Group: 13

Calling Number - Delete:  Insert:  Numbering Format:

Bit Rate: 1200 Synchronization: async Duplex: full

Disconnect Supervision - In?  Out?

Answer Supervision Timeout: 0

Right-click in a field to see a list of valid entries or help text

Ready

DEFINITY Site Administration - [Lucent Test PBX GEDI]

File Edit View Tools Window Help

Lucent Test PBX

change trunk-group 14 send (ctrl) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK FEATURES**

ACA Assignment?  n      Measured:       Wideband Support?  n  
Internal Alert?  n      Maintenance Tests?  y  
Data Restriction?  n      NCA-TSC Trunk Member:   
Send Name:  y      Send Calling Number:  y

Used for DCS?  n  
Suppress # Outpulsing?  n      Numbering Format:   
Outgoing Channel ID Encoding:       UUI IE Treatment:

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

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

US NI Delayed Calling Name Update?  n

Right-click in a field to see a list of valid entries or help text  
Ready

DEFINITY Site Administration - [Lucent Test PBX GEDI]

File Edit View Tools Window Help

Lucent Test PBX

change trunk-group 14 send (ctrl) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK GROUP**  
Administered Members (min/max): 1/23  
Total Administered Members: 23

**GROUP MEMBER ASSIGNMENTS**

	Port	Code	Sfx	Name	Night	Sig Grp
1:	01A1201	TN464	F			3
2:	01A1202	TN464	F			3
3:	01A1203	TN464	F			3
4:	01A1204	TN464	F			3
5:	01A1205	TN464	F			3
6:	01A1206	TN464	F			3
7:	01A1207	TN464	F			3
8:	01A1208	TN464	F			3
9:	01A1209	TN464	F			3
10:	01A1210	TN464	F			3
11:	01A1211	TN464	F			3
12:	01A1212	TN464	F			3
13:	01A1213	TN464	F			3
14:	01A1214	TN464	F			3
15:	01A1215	TN464	F			3

Right-click in a field to see a list of valid entries or help text  
Ready



**DEFINITY Site Administration - [Lucent Test PBX GEDI]**

File Edit View Tools Window Help

Lucent Test PBX

change trunk-group 14 send (trn) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3 4 5 6 7 8 9 10

**TRUNK GROUP**

Administered Members (min/max): 1/23  
Total Administered Members: 23

**GROUP MEMBER ASSIGNMENTS**

	Port	Code	Sfx	Name	Night	Sig Grp
16:	01A1216	TN464	F			3
17:	01A1217	TN464	F			3
18:	01A1218	TN464	F			3
19:	01A1219	TN464	F			3
20:	01A1220	TN464	F			3
21:	01A1221	TN464	F			3
22:	01A1222	TN464	F			3
23:	01A1223	TN464	F			3
24:						
25:						
26:						
27:						
28:						
29:						
30:						

Right-click in a field to see a list of valid entries or help text

Ready

## Add Uniform Dialing Plan

DEFINITY Site Administration - [Lucent Test PBX GED]

File Edit View Tools Window Help

Lucent Test PBX

change dialplan send (rtt) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f6)

1

**DIAL PLAN RECORD**

Local Node Number:

ETA Node Number:

ETA Routing Pattern:

Uniform Dialing Plan:

UDP Extension Search Order:

**FIRST DIGIT TABLE**

First Digit	- 1 -	- 2 -	- 3 -	- 4 -	- 5 -	- 6 -
1:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="extension"/>	<input type="text"/>	<input type="text"/>
2:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="extension"/>	<input type="text"/>	<input type="text"/>
3:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="extension"/>	<input type="text"/>	<input type="text"/>
4:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6:	<input type="text"/>	<input type="text"/>	<input type="text" value="dac"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8:	<input type="text" value="fac"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9:	<input type="text" value="fac"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0:	<input type="text" value="attd"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
x:	<input type="text" value="fac"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
#:	<input type="text" value="fac"/>	<input type="text"/>	<input type="text" value="fac"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Right-click in a field to see a list of valid entries or help text

Ready

DEFINITY Site Administration - [Lucent Test PBX GED]

File Edit View Tools Window Help

Lucent Test PBX

change udp 2 send (ctrl) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f8)

1 | 2

**UNIFORM DIALING PLAN**  
Ext Codes: 2ddx

Ext Code: 2xxx Type: **UDPCode** 222

dd	Type	dd	Type	dd	Type	dd	Type	dd	Type
0x:	<input type="text"/>	1x:	<input type="text"/>	2x:	<input type="text"/>	3x:	<input type="text"/>	4x:	<input type="text"/>
00:	<input type="text"/>	10:	<input type="text"/>	20:	<input type="text"/>	30:	<input type="text"/>	40:	<input type="text"/>
01:	<input type="text"/>	11:	<input type="text"/>	21:	<input type="text"/>	31:	<input type="text"/>	41:	<input type="text"/>
02:	<input type="text"/>	12:	<input type="text"/>	22:	<input type="text"/>	32:	<input type="text"/>	42:	<input type="text"/>
03:	<input type="text"/>	13:	<input type="text"/>	23:	<input type="text"/>	33:	<input type="text"/>	43:	<input type="text"/>
04:	<input type="text"/>	14:	<input type="text"/>	24:	<input type="text"/>	34:	<input type="text"/>	44:	<input type="text"/>
05:	<input type="text"/>	15:	<input type="text"/>	25:	<input type="text"/>	35:	<input type="text"/>	45:	<input type="text"/>
06:	<input type="text"/>	16:	<input type="text"/>	26:	<input type="text"/>	36:	<input type="text"/>	46:	<input type="text"/>
07:	<input type="text"/>	17:	<input type="text"/>	27:	<input type="text"/>	37:	<input type="text"/>	47:	<input type="text"/>
08:	<input type="text"/>	18:	<input type="text"/>	28:	<input type="text"/>	38:	<input type="text"/>	48:	<input type="text"/>
09:	<input type="text"/>	19:	<input type="text"/>	29:	<input type="text"/>	39:	<input type="text"/>	49:	<input type="text"/>

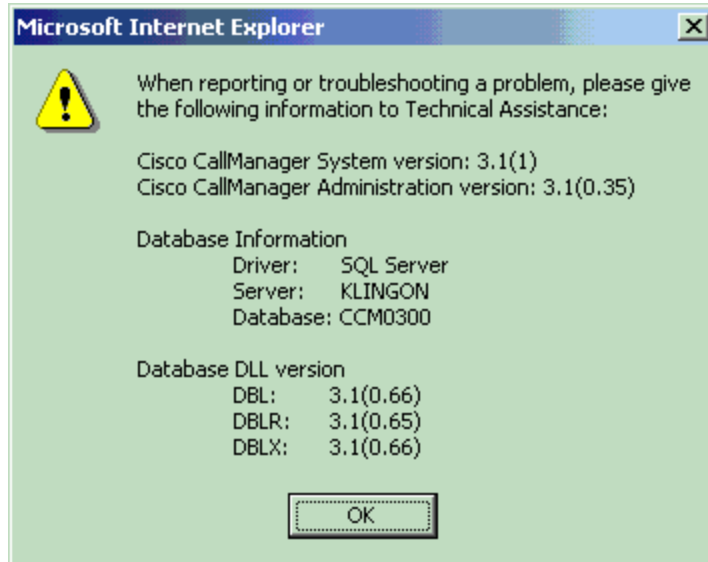
Right-click in a field to see a list of valid entries or help text

Ready

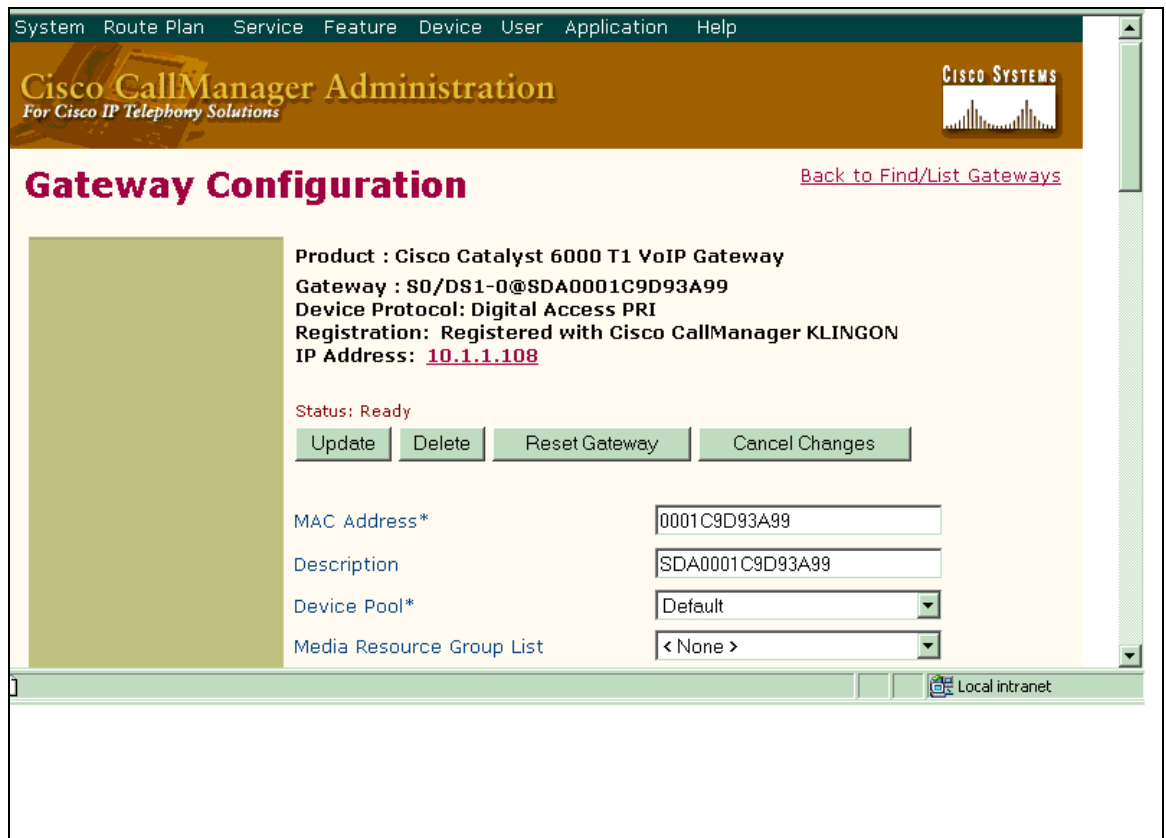
# Call Manager Configuration

## Call Manager Version Information

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## 6608 Gateway Configuration



The screenshot shows the Cisco CallManager Administration interface for Gateway Configuration. The top navigation bar includes System, Route Plan, Service, Feature, Device, User, Application, and Help. The main header displays "Cisco CallManager Administration For Cisco IP Telephony Solutions" and the Cisco Systems logo. The page title is "Gateway Configuration" with a link to "Back to Find/List Gateways".

The configuration details for a specific gateway are as follows:

- Product : Cisco Catalyst 6000 T1 VoIP Gateway
- Gateway : SD/DS1-0@SDA0001C9D93A99
- Device Protocol: Digital Access PRI
- Registration: Registered with Cisco CallManager KLINGON
- IP Address: [10.1.1.108](#)

The status is "Ready". Action buttons include Update, Delete, Reset Gateway, and Cancel Changes.

Configuration fields include:

- MAC Address\*: 0001C9D93A99
- Description: SDA0001C9D93A99
- Device Pool\*: Default
- Media Resource Group List: < None >

The bottom status bar shows "Local intranet".

Network Hold Audio Source	< None >
User Hold Audio Source	< None >
Calling Search Space	< None >
Location	< None >
Load Information	
Channel Selection Order*	Top Down
PCM Type*	µ-law
Protocol Side*	Network
Caller ID DN	
Calling Party Selection*	Originator
Channel IE Type*	Use Number when 1B
Interface Identifier Present**	<input type="checkbox"/>
Interface Identifier Value**	0
Display IE Delivery	<input checked="" type="checkbox"/>
Redirecting Number IE Delivery	<input checked="" type="checkbox"/>
Delay for first restart (1/8 sec ticks)	32

Local intranet

Delay between restarts (1/8 sec ticks)	<input type="text" value="4"/>
Num Digits*	<input type="text" value="23"/>
Sig Digits	<input checked="" type="checkbox"/>
Prefix DN	<input type="text"/>
Presentation Bit*	<input type="text" value="Allowed"/>
Called party IE number type unknown*	<input type="text" value="Cisco CallManager"/>
Calling party IE number type unknown*	<input type="text" value="Cisco CallManager"/>
Called Numbering Plan*	<input type="text" value="Cisco CallManager"/>
Calling Numbering Plan*	<input type="text" value="Cisco CallManager"/>
PRI Protocol Type*	<input type="text" value="PRI NI2"/>
Inhibit restarts at PRI initialization	<input checked="" type="checkbox"/>
Enable status poll	<input type="checkbox"/>
Number of digits to strip*	<input type="text" value="0"/>
Country Code*	<input type="text" value="North America"/>
Setup non-ISDN Progress Indicator IE Enable***	<input type="checkbox"/>

Local intranet

### Product Specific Configuration

Clock Reference*	Network
TX-Level CSU*	0dB
FDL Channel*	ATT 54016
Framing*	ESF
Audio Signal Adjustment into IP Network*	NoDbPadding
Audio Signal Adjustment from IP Network*	NoDbPadding
Yellow Alarm*	Bit2
Zero Suppression*	B8ZS

\* indicates required item  
\*\* applicable to DMS-100 protocol only  
\*\*\* may be required to force ringback from some PBXs

[Back to Find/List Gateways](#)

Local intranet



## Route Pattern Configuration

The screenshot shows the Cisco CallManager Administration web interface. At the top, there is a navigation menu with links for System, Route Plan, Service, Feature, Device, User, Application, and Help. Below the menu is a header banner with the Cisco CallManager Administration logo and the Cisco Systems logo. The main heading is "Route Pattern Configuration".

On the right side, there are two links: "Add a New Route Pattern" and "Back to Find/List Route Patterns".

The configuration details for a route pattern are as follows:

- Route Pattern:** 6.XXXX
- Status:** Ready
- Note:** Any update to this route pattern automatically resets the associated gateway/route list
- Buttons:** Copy, Update, Delete, Cancel Changes
- Pattern Definition:**
  - Route Pattern\*: 6.XXXX
  - Partition: < None >
  - Numbering Plan\*: North American Numbering Plk
  - Route Filter: < None >
  - Gateway/Route List\*: S0/DS1-0@SDA0001C9D93A99 (Edit)
  - Route Option:  Route this pattern  Block this pattern

At the bottom right of the interface, there is a "Local intranet" icon.

Route Pattern*	<input type="text" value="6XXXX"/>
Partition	< None >
Numbering Plan*	North American Numbering Plan
Route Filter	< None >
Gateway/Route List*	S0/DS1-0@SDA0001C9D93A99 (Edit)
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern <input checked="" type="checkbox"/> Provide Outside Dial Tone <input type="checkbox"/> Urgent Priority
<b>Calling Party Transformations</b>	
<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"/>
<b>Called Party Transformations</b>	
Discard Digits	PreDot
Called Party Transform Mask	<input type="text"/>
Prefix Digits (Outgoing Calls)	<input type="text"/>
* indicates required item.	

## Cisco Catalyst 6608 Gateway Configuration

The following is the configuration of the Cisco Catalyst 6608 voice gateway connected to the Lucent/Avaya Definity PBX T1 PRI NI-2 interface.

### Cisco Catalyst 6608 Voice Gateway Version Information

```
Console> (enable) sh version
WS-C6006 Software, Version NmpSW: 5.5(6a)
Copyright (c) 1995-2001 by Cisco Systems
NMP S/W compiled on Feb 23 2001, 10:23:18
```

```
System Bootstrap Version: 5.3(1)
```

```
Hardware Version: 2.0 Model: WS-C6006 Serial #: TBA04511172
```

Mod	Port	Model	Serial #	Versions
1	2	WS-X6K-SUP1A-2GE	SAD05010NBK	Hw : 7.0 Fw : 5.3(1) Fw1: 5.4(2) Sw : 5.5(6a) Sw1: 5.5(6a)
3	48	WS-F6K-PFC	SAD05020221	Hw : 1.1
		WS-X6348-RJ-45	SAD04420N7B	Hw : 1.4 Fw : 5.4(2) Sw : 5.5(6a)

```

4 24 WS-F6K-VPWR Hw : 1.0
WS-X6624-FXS SAD050203M8 Hw : 3.0
Fw : 5.4(2)
Sw : 5.5(6a)
HP : A00203010010; DSP : A003E031 (3.3.
32)
5 8 WS-X6608-T1 SAD04400EM0 Hw : 1.1
Fw : 5.4(2)
Sw : 5.5(6a)
HP1: D00403010017; DSP1: D005E031 (3.3.
32)
HP2: D00403010017; DSP2: D005E031 (3.3.
32)
HP3: D00403010017; DSP3: D005E031 (3.3.
32)
HP4: D00403010017; DSP4: D005E031 (3.3.
32)
HP5: D00403010017; DSP5: D005E031 (3.3.
32)
HP6: D00403010017; DSP6: D005E031 (3.3.
32)
HP7: D00403010017; DSP7: D005E031 (3.3.
32)
HP8: D00403010017; DSP8: D005E031 (3.3.
32)
6 8 WS-X6608-E1 SAD04380DW1 Hw : 1.1
Fw : 5.4(2)
Sw : 5.5(6a)
HP1: D00403010017; DSP1: D005E031 (3.3.
32)
HP2: D00403010017; DSP2: D005E031 (3.3.
32)
HP3: D00403010017; DSP3: D005E031 (3.3.
32)
HP4: D00403010017; DSP4: D005E031 (3.3.
32)
HP5: D00403010017; DSP5: D005E031 (3.3.
32)
HP6: D00403010017; DSP6: D005E031 (3.3.
32)
HP7: D00403010017; DSP7: D005E031 (3.3.
32)
HP8: D00403010017; DSP8: D005E031 (3.3.
32)

```

Module	DRAM			FLASH			NVRAM		
	Total	Used	Free	Total	Used	Free	Total	Used	Free
1	65408K	37863K	27545K	16384K	11546K	4838K	512K	198K	314K

Uptime is 83 days, 2 hours, 34 minutes  
 Console> (enable)

### Cisco Catalyst 6608 Voice Gateway Sample Configuration

```

Console> (enable) sh module
Mod Slot Ports Module-Type Model Sub Status
-----
1 1 2 1000BaseX Supervisor WS-X6K-SUP1A-2GE yes ok
3 3 48 10/100BaseTX Ethernet WS-X6348-RJ-45 yes ok
4 4 24 FXS WS-X6624-FXS no ok
5 5 8 T1 WS-X6608-T1 no ok
6 6 8 E1 WS-X6608-E1 no ok

```

```

Mod  Module-Name          Serial-Num
-----
1          SAD05010NBK
3          SAD04420N7B
4          SAD050203M8
5          SAD04400EM0
6          SAD04380DW1

```

```

Mod  MAC-Address(es)          Hw      Fw      Sw
-----
1    00-04-c0-f8-42-02 to 00-04-c0-f8-42-03  7.0    5.3(1)  5.5(6a)
    00-04-c0-f8-42-00 to 00-04-c0-f8-42-01
    00-04-9b-f0-78-00 to 00-04-9b-f0-7b-ff
3    00-02-fc-20-5e-50 to 00-02-fc-20-5e-7f  1.4    5.4(2)  5.5(6a)
4    00-03-32-ba-2e-35          3.0    5.4(2)  5.5(6a)
5    00-01-c9-d9-3a-98 to 00-01-c9-d9-3a-9f  1.1    5.4(2)  5.5(6a)
6    00-01-c9-d8-63-3e to 00-01-c9-d8-63-45  1.1    5.4(2)  5.5(6a)

```

```

Mod  Sub-Type          Sub-Model          Sub-Serial  Sub-Hw
-----
1    L3 Switching Engine  WS-F6K-PFC        SAD05020221  1.1
3    Inline Power Module  WS-F6K-VPWR
Console> (enable)

```

```
Console> (enable) sh port 5
```

```

Port  Name          Status          Vlan          Duplex  Speed  Type
-----
5/1          notconnect     1              full     1.544  T1
5/2          connected      1              full     1.544  T1
5/3          notconnect     1              full     1.544  T1
5/4          notconnect     1              full     1.544  T1
5/5          notconnect     1              full     1.544  T1
5/6          notconnect     1              full     1.544  T1
5/7          notconnect     1              full     1.544  T1
5/8          notconnect     1              full     1.544  T1

```

```

Port  DHCP      MAC-Address          IP-Address          Subnet-Mask
-----
5/1    enable    00-01-c9-d9-3a-98   10.1.1.107          255.255.255.0
5/2    enable    00-01-c9-d9-3a-99   10.1.1.108          255.255.255.0
5/3    enable    00-01-c9-d9-3a-9a   10.1.1.109          255.255.255.0
5/4    enable    00-01-c9-d9-3a-9b   10.1.1.110          255.255.255.0
5/5    enable    00-01-c9-d9-3a-9c   10.1.1.111          255.255.255.0
5/6    enable    00-01-c9-d9-3a-9d   10.1.1.112          255.255.255.0
5/7    enable    00-01-c9-d9-3a-9e   10.1.1.113          255.255.255.0
5/8    enable    00-01-c9-d9-3a-9f   10.1.1.114          255.255.255.0

```

```

Port  Call-Manager(s)  DHCP-Server          TFTP-Server          Gateway
-----
5/1    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/2    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/3    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/4    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/5    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/6    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/7    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7
5/8    10.1.1.2         10.1.1.2             10.1.1.2             10.1.1.7

```

```

Port  DNS-Server(s)  Domain
-----
5/1    -              -
5/2    -              -
5/3    -              -
5/4    -              -
5/5    -              -

```

```
5/6 - -
5/7 - -
5/8 - -

Port CallManagerState DSP-Type
-----
5/1 registered C549
5/2 registered C549
5/3 registered C549
5/4 registered C549
5/5 registered C549
5/6 registered C549
5/7 registered C549
5/8 registered C549

Port NoiseRegen NonLinearProcessing
-----
5/1 enabled enabled
5/2 enabled enabled
5/3 enabled enabled
5/4 enabled enabled
5/5 enabled enabled
5/6 enabled enabled
5/7 enabled enabled
5/8 enabled enabled
Console> (enable)
```

## Caveats

- When calling from a Cisco 7960 IP phone to a Lucent/Avaya digital phone, the Calling Name and Number are displayed on both phones after the call is answered.
- When calling from a Lucent/Avaya digital phone to a Cisco 7960 IP phone, the IP phone displays the Connected Name and Number after the call is answered. The Lucent/Avaya phone, however, displays only the "Called Name," and not the "Called Number".