

Cisco 3745 Gateway - PBX Interoperability: Avaya Definity G3 PBX using Q.931 BRI User Side Interfaces to an H.323 Gateway

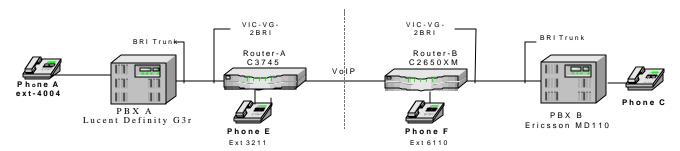
Introduction

- This note describes the interoperability between the Avaya Definity G3 PBX using Q.931 BRI user side interfaces to a Cisco 3745 gateway.
- The Network Topology diagram shows the end-to-end interoperability.

Network Topology

Figure 1. Network Topology

Basic Test Configuration



Limitations

• None noted.

System Components

Hardware Requirements

- Avaya Definity G3r PBX
- Cisco 3745 gateway
- VIC-VG-2BRI

Software Requirements

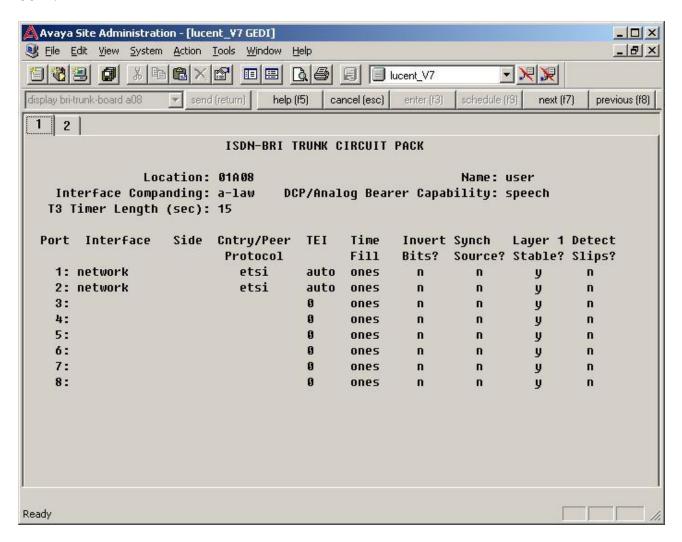
- Cisco IOS Software Release 12.2(15)ZJ
- PBX Software Release, G3V7i.01.0.343.7



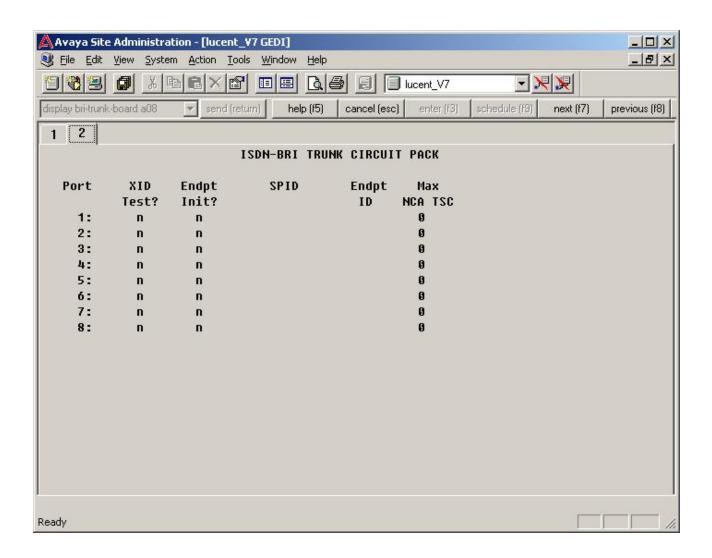
Configuration

Configuring the Lucent Definity G3r

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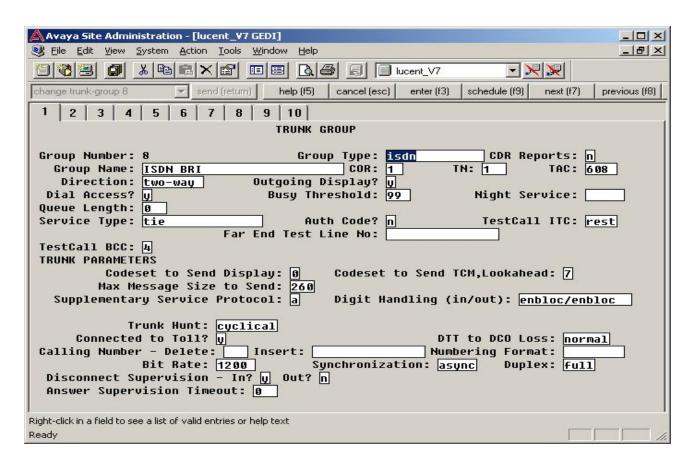




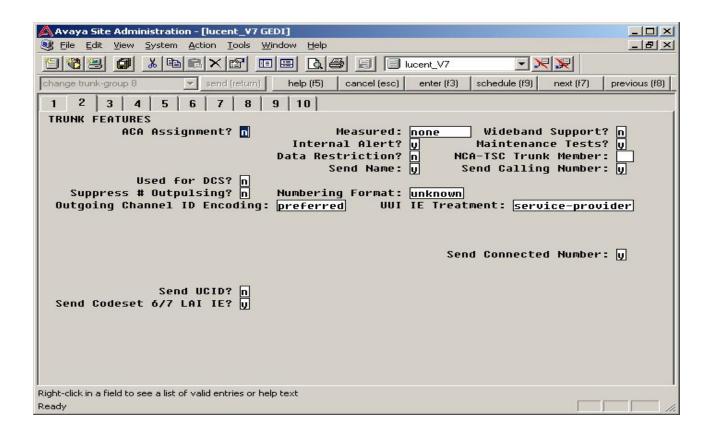




Trunk Group







Configuring the Cisco 3745 Router

The following sample output shows the router configuration for interoperability with the PBX.

```
c3745#wr t
Building configuration...

Current configuration : 2202 bytes
!
version 12.3
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname c3745
!
boot system slot0:c3745-js-mz.mcebu_sb.0.5.0
logging queue-limit 100
logging buffered 1000000 debugging
!
ip subnet-zero
```



```
! no ip domain lookup
mpls ldp logging neighbor-changes
isdn switch-type basic-net3
voice-card 2
no dspfarm
voice-card 3
no dspfarm
!
voice-card 4
no dspfarm
no voice hpi capture buffer
no voice hpi capture destination
mta receive maximum-recipients 0
interface FastEthernet0/0
ip address 100.1.1.1 255.255.255.0
duplex auto
speed auto
interface FastEthernet0/1
ip address 10.1.1.9 255.255.255.0
duplex auto
speed auto
interface BRI4/0
no ip address
no ip route-cache
no ip mroute-cache
isdn switch-type basic-net3
isdn protocol-emlulate network
isdn layer1-emulate network
isdn overlap-receiving
isdn incoming-voice voice
isdn static-tei 0
isdn skipsend-idverify
interface BRI4/1
no ip address
shutdown
isdn switch-type basic-net3
```



```
ip default-gateway 10.1.1.2
ip http server
ip classless
call rsvp-sync
voice-port 4/0/0
compand-type a-law
voice-port 4/0/1
voice-port 2/1/0
ring cadence pattern06
voice-port 2/1/1
ring cadence pattern06
mgcp profile default
dial-peer cor custom
dial-peer voice 1 pots
destination-pattern 4...
direct-inward-dial
port 4/0/0
prefix 4
dial-peer voice 3 voip
destination-pattern 5...
session target ipv4:100.1.1.2
dial-peer voice 4 voip
destination-pattern 6...
session target ipv4:100.1.1.2
dial-peer voice 11 pots
destination-pattern 3211
port 2/1/1
dial-peer voice 10 pots
destination-pattern 3210
port 2/1/0
gatekeeper
```



shutdown

line con 0

line aux 0

line vty 04

login

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