



NetVanta Unified Communications Technical Note

Integrating the Avaya Definity G3 Analog PBX

Introduction

With in-band integration, one pathway between the private branch exchange (PBX) and the UC server transmits both call information and voice communications. The pathway is provided by 2-wire analog single-line circuits that connect to Dialogic's D/41JCT-LS or D/120/JCT-LS cards in the UC server. Each Dialogic port simulates 2-wire analog lines. Calls to a UC server port are preceded by the called party information from the PBX in dual tone multi-frequency (DTMF) format. The UC server then answers and plays the appropriate greeting. Message waiting indicators are set and canceled by dialing a feature access code followed by the extension number.

Supported Features

- Call coverage to personal greeting
 - Busy
 - Ring no answer
 - All calls
- Automated attendant
- Return to operator
- Personal greeting of originally called party on double call forward using call coverage
- Direct call
- Message waiting

NetVanta UC Server Requirements

- Dialogic D/41JCT-LS, D/120JCT-LS, or VFX/PCI card
- Dialogic System 5.1.1 or higher
- NetVanta UC Server release 4.5 or higher

Definity PBX Hardware Requirements

NOTE: *The customer must provide the necessary hardware. Also, verify that the system has enough DTMF registers for in-band applications.*

- Station appearances, one per UC server port
- Analog ports
- One RJ-11 4-wire telephone cord per voice server port

Definity PBX Software Requirements

- Definity PBX software release G3V6.1 or higher
- Mode code interface feature

Definity PBX Configuration

The following steps must be taken in order to integrate the UC server with the Definity G3 Analog PBX:

- Configure each analog voice port.
- Configure the analog voice ports into a hunt group.
- Create call coverage path(s) that include the UC server system access number.
- Change subscriber's station programming to include the call coverage path.

Analog Voice Port Configuration

Define the integrated analog voice ports that will connect to the UC server using the **ADD STATION** command. The **FEATURE OPTIONS** must be configured as shown below.

Type:	VMI
Name:	VOICEMAIL
Tests?	N
LWC Reception?	N
LWC Activation?	Y
Switchhook Flash?	Y
Adjunct Supervision?	Y (<i>Open Loop Disconnect</i>)

All other fields can be set to no or default.

Hunt Group Configuration

After all the analog lines to be connected to the UC server ports are configured, they need to be installed into a hunt group.

Define the hunt group on the PBX by entering **add hunt-group** <hunt group number> or **add hunt-group next** for the next available hunt group number. Configuring the hunt group type as **ucd** is recommended. The following is an example of how a hunt group is configured.

NOTE: Enter *grp-name* to specify the hunt group name be sent to the originating user. This field is required when the ISDN-PRI option on the switch System-Parameters Customer-Options screen is enabled.

Enter **ADD HUNT-GROUP11**.

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HUNT GROUP

Group Name: VOICEMAIL

Group Number: **11** Group Extension: **5000** Group Type: **ucd**

ACD? **n**

Queue?y Vector? **n**

Security Code: COR: 1

ISDN Caller Disp: **grp-name** TN: 1

Queue Length: **15**

Calls Warning Threshold: Calls Warning Port:

Time Warning Threshold: Time Warning Port:

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HUNT GROUP

Message Center: none

LWC Reception: none

AUDIX Name:

Messaging Server Name:

HUNT GROUP

Group Number: 11 Group Extension: 5000 Group Type: ucd

Member Range Allowed: 1 - 999 Administered Members (min/max): 1 /4

Total Administered Members: 4

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name	Ext	Name
1:	5001 VOICEMAIL	7:		13:	
2:	5002 VOICEMAIL	8:		14:	
3:	5003 VOICEMAIL	9:		15:	
4:	5004 VOICEMAIL	10:		16:	

Call Coverage Path Administration

A coverage path forwards calls to another extension if the station is in use or not answered. Placing the UC server hunt group number in a coverage path will send busy and unanswered calls to the UC server to be answered.

Enter **ADD COVERAGE PATH n** (n is an available coverage path number).

Define the coverage path as desired. For the following conditions, specify that you want such calls to be answered by the UC server by entering **y**. Usually, call coverage is programmed for both inside and outside calls, for busy and unanswered conditions.

- Active:** If any call appearance is off hook, calls are forwarded.
- Busy:** If all call appearances are off hook, calls are forwarded.
- Don't Answer:** Unanswered calls are forwarded after the specified number of rings.
- All:** All calls are forwarded immediately without ringing the subscriber's station.

For coverage Point1, assign the hunt group number created for the UC server ports

Subscriber Administration

To program subscribers stations for integration; enter **CHANGE STATION xxxx**.

Each phone must be configured as shown below.

Name:	Enter a valid name.
Coverage Path:	Enter the number you previously assigned to the coverage path for the UC server.
LWC Reception?	None
LWC Activation?	Y
Message Waiting Indicator?	Y (analog stations only)

These are the only changes required for integration. Do not change any other field.

NOTE: *All users' stations with message waiting indicators must be programmed with **LWC Reception? msa-spe**.*

NOTE: *The audible message waiting indicator is supported in conjunction with lamps only if this optional feature is enabled on the PBX.*