

Avaya Solution & Interoperability Test Lab

Application Notes for IniSoft synTelate with Avaya Proactive Contact using PG230 Digital Switch - Issue 1.0

Abstract

These Application Notes describe the configuration steps required for IniSoft synTelate 4.0 to successfully interoperate with Avaya Proactive Contact 4.0 using Avaya PG230 Digital Switch. Inisoft synTelate is a call center scripting application for creating inbound and outbound campaigns and consists of the synTelate Designer and the synTelate Agent. IniSoft synTelate Agent was compliance tested against Avaya Proactive Contact 4.0 using Avaya PG230 Switch.

Information in these Application Notes has been obtained through interoperability compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe a compliance-tested configuration comprised of Avaya Proactive Dialer 4.0 using Avaya PG230 Switch (HardDialer), and Inisoft synTelate 4.0 (synTelate).

synTelate is a call center scripting application for creating inbound and outbound campaigns, and consists of following components:

- synTelate Designer
 It is a graphical tool that is used for the definition of the call flow and agent screens.
- synTelate database
 It consists of client records that are used during inbound and outbound campaigns which are imported from Avaya HardDialer.
- synTelate Agent
 It uses Avaya Proactive Dialer Agent API (Agent API) to communicate with Avaya
 HardDialer. This allows synTelate Agent to perform operations such as logging in and
 out, joining a job, changing the state, handling calls and setting completion codes.
 synTelate Agent uses a TSAPI (Telephony Services API) link to Avaya AE Services to
 receive inbound call events and to control the call (answer, hold, retrieve, hangup, etc.).

1.1. Interoperability Compliance Testing

The compliance testing examined the synTelate Agent application interoperability with Avaya HardDialer to handle Outbound, Managed, Intelligent Call Blending (ICB) and Predictive Agent Blending (PAB) campaigns. The majority of the testing focused on the ability of the synTelate Agent to handle both inbound and outbound calls. The general test approach was to test the features on the synTelate Agent that are supported with Avaya HardDialer.

Outbound campaign focuses only on outbound calls initiated by the dialer. Managed campaign is a special type of Outbound campaign where the agent releases the call to be dialed after reviewing the customer information.

ICB campaign can handle both outbound and inbound calls but it focuses on outbound calls. Inbound calls for ICB are delivered to the agent using Avaya HardDialer.

PAB campaign can handle both outbound and inbound calls but it focuses on outbound calls and releases agents when an inbound call enters the monitored hunt group queue on Avaya Communication Manager. Predictive Agent Blending is achieved with a Computer Telephony Interface (CTI) link configured between Avaya HardDialer and Avaya AE Services.

- The following features on the synTelate agent were tested:
 - o Login / Logout
 - o Ready / Not Ready

- o Join Job / Leave Job
- Finish Call
- o Release Call
- o Call Back
- o Agent Owned Recall
- Job Linking
- o Job Transfer
- o Job End
- o Hangup Line
- o Finish Item
- Supervised/Unsupervised Transfer (Voice Only)
- Native Voice and Data Transfer (NVDT)
- o Hold/Unhold
- Manual Call
- The following campaign types were tested:
 - Outbound
 - o Managed
 - o Intelligent Call Blending
 - Predictive Agent Blending
- Inbound calls to the synTelate agent were tested using the PAB feature of Avaya HardDialer.

1.2. Support

Technical support for the synTelate application is available as follows:

- Telephone Help Desk +44 (0)141 552 8800 or 0800 052 1015
- Support on the Web http://inisoft.co.uk/support.html.

2. Reference Configuration

Figure 1 shows the setup used for the compliance test.

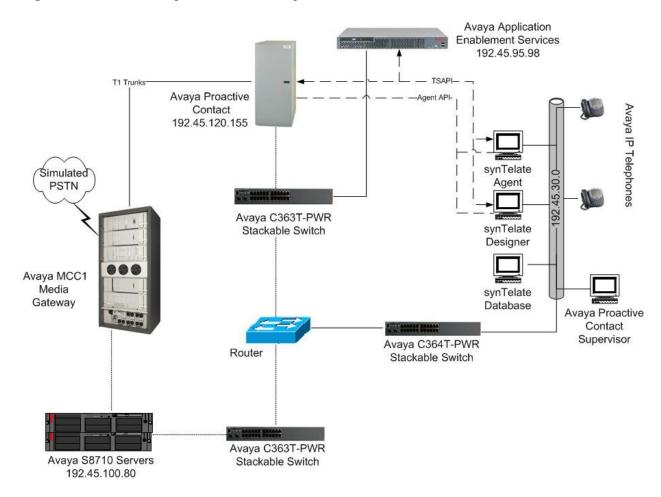


Figure 1 Avaya Proactive Contact using Avaya PG230 Switch and synTelate Configuration

3. Equipment and Software Validated

The following equipment and software were used for the sample configuration.

Equipment/Software	Software Version		
Avaya Proactive Contact Server on HP Proliant	Avaya Proactive Contact 4.0.1 Build		
DL385G2 using PG230 Switch	105		
Avaya Proactive Contact Agent API	4.0 (Moagent32.dll)		
Avaya Proactive Contact TSAPI Client SDK	3.1.1		
Avaya Application Enablement Services Server	4.2		
Avaya MCC1 Media Gateway with Avaya S8700	Avaya Communication Manager 5.0.1		
Servers	(R015x.01.1.415.1)		
Avaya C364T-PWR Converged Stackable Switch	4.5.14		
Avaya C363T-PWR Converged Stackable Switch	4.5.14		
Avaya 4621SW IP Telephones	2.8.3		
synTelate on Windows XP Pro, SP2			
synTelate Designer	4.0.1		
synTelate Agent	4.0.1		
synTelate Database Server	Microsoft SQL 2003		

4. Configure Avaya Proactive Contact

These Application Notes assume that the interface with Avaya HardDialer, Avaya S8700 Server and Avaya Communication Manager has been configured and is operational [2]. The following campaign types are already configured on Avaya HardDialer:

- Outbound Calling
- Predictive Agent Blending
- Managed Calls
- Intelligent Call Blending

In a Predictive Agent Blending system (PAB), agents log in to Avaya Communication Manager and to Avaya HardDialer. Avaya HardDialer via the CTI link monitors the activity on Avaya Communication Manager contact center devices such as the inbound VDN and hunt groups, and uses this information to determine when to acquire agents for outbound calling and when to release the agents to handle inbound calls.

The following features should be configured on Avaya HardDialer [2, 3]:

- Completion Codes
- Agent Owned Recall
- Recall/Callback
- Autowrap
- Job Linking
- Shadow Jobs
- Native Voice and Data Transfer

4.1. Calling List Fields Configuration Files

The calling list contains the customer records. The calling list fields are configured in the list configuration files (i.e., list5.fdict), located in the /opt/avaya/pds/lists/list5.app folder on Avaya HardDialer. The following highlighted fields were mapped to the synTelate fields in Section 7, Step 8.

```
RECLEN:1035:
ACCTNUM:16:C:ACCOUNT NUMBER:
BALANCE:10:$:BALANCE:
TOTALDUE:10:$:TOTAL DUE:
NAME1:25:C:NAME LINE1:
NAME2:25:C:NAME LINE2:
CITY:25:C:City:
STATE:2:C:State:
ZIPCODE:5:N:ZIPCODE:
PHONE1:12:C:HOME PHONE:
PHONE2:12:C:BUSINESS PHONE:
COMMENT1:60:C:COMMENT LINE 1:
ORIGINALJOBNAME:20:C:Original Job Name
AGENT:8:C:AGENT ID:
DTE:10:D:SYSTEM DATE:
```

4.2. Verify the moagent32.ini file

The synTelate agent checks the moagent32.ini file located in C:WINDOWS directory to obtain the Avaya HardDialer IP address and port number as shown below:

[Server_list] **PG230 = 192.45.120.155:22700** CTI = 192.45.120.154:22700

5. Configure Avaya Communication Manager

The basic configuration of Avaya Communication Manager is beyond the scope of these Application Notes. This section provides the procedures for verifying and configuring Avaya Communication Manager. The following will be configured:

- Configure Avaya Communication Manager for Intelligent Call Blending on Avaya HardDialer
- Configure Avaya Communication Manager for Predictive Agent Blending on Avaya HardDialer

Configuration in the following sections is only for the fields where a value needs to be entered or modified. Default values are used for all other fields. These steps are performed from the Avaya Communication Manager System Access Terminal (SAT) interface. After the completion of the configuration, perform the **save translation** command to make the changes permanent. Refer to [1] for additional details.

5.1. Configure Avaya Communication Manager for Intelligent Call Blending

Intelligent Call Blending uses T1 ports configured as DS1FD stations for inbound calls. The AAS option is used to allow the inbound ports to automatically log into the hunt group via the Agent LoginIDs. Implementation of the required DS1FD stations on Avaya Communication Manager can be achieved using the following series of steps.

Step	Description							
1.	Enter the add ds1 xxxxx command, where xxxxx is the location of the DS1 circuit pack. Configure the following.							
	 Name – Set to any descriptive string value. Bit Rate – Set to 1.544. Line Coding – set to ami-zcs. Framing Mode – set to d4. 							
	• Signaling Mode – set to robbed-bit. add ds1 1a14 DS1 CIRCUIT PACK							
	Location: 01A14 Bit Rate: 1.544 Line Coding: ami-zcs Line Compensation: 1 Signaling Mode: robbed-bit Name: PDS 1-21-1 Line Coding: ami-zcs Framing Mode: d4							
	Interface Companding: mulaw Idle Code: 11111111							
	Slip Detection? n Near-end CSU Type: other							

dial plan co or inbound o	C
	calls.
	calls.
	calls.
	curis.
calls.	
caiis.	
age 1 of	3
BCC:	
10000.	Y .
	Page 1 of BCC: TN: COR: COS: Tests?

Step **Description** 3. Enter add hunt-group n command, where n is an unused hunt group number and configure as follows: • **Group Name** – Set to any descriptive string value. **Group Extension** – Set to a valid extension provisioned in the dial plan. • ACD - Set to y. Queue – Set to y. **Vector** – Set to y. add hunt-group 621 Page 1 of HUNT GROUP Group Number: 621 ACD? y Group Name: Dialer ICB Queue? y Group Extension: 30500 Vector? y Group Type: ucd-mia TN: 1 COR: 1 MM Early Answer? n Security Code: Local Agent Preference? n ISDN/SIP Caller Display: Queue Limit: unlimited Calls Warning Threshold: Port: Time Warning Threshold: Port: On Page 2 of the HUNT GROUP form, set the Skill and AAS fields to y as shown below. add hunt-group 621 Page 2 of HUNT GROUP Skill? y AAS? y

Measured: none

Supervisor Extension: Controlling Adjunct: none

Step Description

- 4. Enter add agent-loginID n command, where n is valid and configure as follows:
 - Name Set to any descriptive string value.
 - AAS Set to y.
 - Port Extension Set to Port Extension field value configured in Step 2.
 - Repeat this step for other agent login ids to be configured.

```
add agent-loginID 20521
                                                                  1 of
                                                            Page
                                                                          2
                                AGENT LOGINID
               Login ID: 20521
                                                                AAS? y
                   Name: Dialer ICB
                                                              AUDIX? n
                                                      LWC Reception: spe
                     TN: 1
                                            LWC Log External Calls? n
                    COR: 1
          Coverage Path:
                                           AUDIX Name for Messaging:
          Security Code:
                                           LoginID for ISDN Display? n
                                                     Port Extension: 30501
                                                        Auto Answer: station
                                                  MIA Across Skills: system
                                           ACW Agent Considered Idle: system
                                          Aux Work Reason Code Type: system
                                            Logout Reason Code Type: system
                       Maximum time agent in ACW before logout (sec): system
    WARNING: Agent must log in again before changes take effect
```

Navigate to Page 2 on the AGENT LOGINID form. Set the SN (Skill Number) field to 621, this is the hunt group number administered in Step 3. Set the SL (Skill Level) field to 1.

```
change agent-loginID 20521
                                                                   2 of 2
                                                             Page
                               AGENT LOGINID
     Direct Agent Skill:
Call Handling Preference: skill-level
                                                 Local Call Preference? n
   SN
           SL
                   SN
                             ST
                                        SN
                                                            SN
                                                                    ST
1: 621
          1
                                      31:
                  16:
                                                         46:
2:
                  17:
                                      32:
                                                         47:
3:
                  18:
                                      33:
                                                         48:
```

5. Enter the **change vector n** command, where **n** is an unused vector number. This vector will be used to send inbound calls to Avaya HardDialer. The vector should queue to the **skill** configured in **Step 3**.

```
Change vector 621

CALL VECTOR

Number: 621

Name: PDS ICB

Multimedia? n

Basic? y EAS? y G3V4 Enhanced? y ANI/II-Digits? y ASAI Routing? y
Prompting? y LAI? y G3V4 Adv Route? y CINFO? y BSR? n Holidays? n
Variables? n 3.0 Enhanced? y
01 queue-to skill 621 pri m
02
03
```

- 6. This VDN will be used to send inbound calls to Avaya HardDialer. Enter **add vdn** *n* command, where *n* is an unused extension and configure as follows:
 - Name Set to any descriptive string value.
 - **Vector Number** Set to vector configured in the previous step.

```
add vdn 20600
                                                             Page 1 of
                            VECTOR DIRECTORY NUMBER
                             Extension: 20600
                                Name*: Dialer ICB
                         Vector Number: 621
                  Meet-me Conferencing? n
                    Allow VDN Override? n
                                   COR: 1
                                  TN*: 1
                             Measured: internal
        Acceptable Service Level (sec): 20
        VDN of Origin Annc. Extension*:
                            1st Skill*:
                            2nd Skill*:
                            3rd Skill*:
```

5.2. Configure Avaya Communication Manager for Predictive Agent Blending

Avaya HardDialer via the CTI link monitors the activity on Avaya Communication Manager contact center devices such as the inbound VDN and hunt groups, and uses this information to determine when to acquire agents for outbound calling and when to release the agents to handle inbound calls.

Description Step 1. Use the display system-parameters customer-options command. On Page 3, verify that the Computer Telephony Adjunct Links, ASAI Link Core Capabilites and ASAI Link Plus Capabilities fields are set to v. display system-parameters customer-options 3 of 11 Page OPTIONAL FEATURES Abbreviated Dialing Enhanced List? n Audible Message Waiting? n Access Security Gateway (ASG)? n Authorization Codes? n Analog Trunk Incoming Call ID? n Backup Cluster Automatic Takeover? n A/D Grp/Sys List Dialing Start at 01? n CAS Branch? n Answer Supervision by Call Classifier? y CAS Main? n Change COR by FAC? n ARS/AAR Partitioning? y Computer Telephony Adjunct Links? y ARS/AAR Dialing without FAC? y Cvg Of Calls Redirected Off-net? n ASAI Link Core Capabilities? y DCS (Basic)? n ASAI Link Plus Capabilities? Y Async. Transfer Mode (ATM) PNC? n DCS Call Coverage? n DCS with Rerouting? n Async. Transfer Mode (ATM) Trunking? n ATM WAN Spare Processor? n Digital Loss Plan Modification? n DS1 MSP? n ATMS? n DS1 MSP? n Attendant Vectoring? n DS1 Echo Cancellation? n 2. On Page 6, verify that the ACD and Vectoring (Basic) fields are set to y. display system-parameters customer-options Page 6 of 11 CALL CENTER OPTIONAL FEATURES Call Center Release: 4.0 ACD? y Reason Codes? n BCMS (Basic)? n BCMS/VuStats Service Level? n BSR Local Treatment for IP & ISDN? n DTMF Feedback Signals For VRU? n Dynamic Advocate? n Expert Agent Selection (EAS)? y Expert Agent Selection (EAS)? y Least Occupied Agent? n Lookahead Interflow (LAI)? n Multiple Call Handling (On Reguest)? n BCMS (Basic)? n Service Level Maximizer? n Service Observing (Basic)? y Service Observing (Remote/By FAC)? y Service Observing (VDNs)? y Service Observing (Prompting)? y Vectoring (G3V4 Enhanced)? n Vectoring (ANI/II-Digits Routing)? n Vectoring (G3V4 Advanced Routing)? n Vectoring (Best Service Routing)? n Multiple Call Handling (On Request)? n Vectoring (Best Service Routing)? n Multiple Call Handling (Forced)? n Vectoring (Holidays)? n PASTE (Display PBX Data on Phone)? n Vectoring (Variables)? n

- 3. Add a CTI link using the **add cti-link** *n* command; where *n* is an available CTI link number and configure as follows:
 - **Extension** Set to an available extension as per the dial plan.
 - Type Set to ADJ-IP
 - Name Set to any descriptive string value.

add cti-link 15 Page 1 of 2

CTI LINK

CTI Link: 15 Extension: 24998 Type: ADJ-IP

COR: 1

Name: AES DEVCON2715

- 4. Enter **add hunt-group** *n* command, where *n* is an unused hunt group number and configure as follows:
 - **Group Name** Set to any descriptive string value.
 - **Group Extension** Set to a valid extension provisioned in the dial plan.
 - ACD Set to y.
 - Queue Set to y.
 - **Vector** Set to y.

add hunt-group 402 Page 1 of 3

Group Number: 402 ACD? y
Group Name: Dialer Inbound Queue? y
Group Extension: 50402 Vector? y

Group Type: ucd-mia TN: 1

COR: 1 MM Early Answer? n
Security Code: Local Agent Preference? n

ISDN/SIP Caller Display:

On Page 2 of the HUNT GROUP form, set the Skill field to y as shown below.

add hunt-group 402 Page 2 of HUNT GROUP

Skill? y

AAS? n Measured: none

Supervisor Extension: Controlling Adjunct: none 5. Enter **change vector** *n* command, where *n* is associated to hunt group **402**. Enter the commands to queue to skill **402** as shown below.

```
change vector 402

CALL VECTOR

Number: 402

Name: Dialer Inbound

Attendant Vectoring? n Meet-me Conf? n Lock? n

Basic? y EAS? y G3V4 Enhanced? n ANI/II-Digits? n ASAI Routing? y

Prompting? y LAI? n G3V4 Adv Route? n CINFO? n BSR? n Holidays? n

Variables? n 4.0 Enhanced? n

O1 queue-to skill 402 pri h

02 wait-time 60 secs hearing ringback

03

04
```

- 6. Enter **add vdn** *n* command, where *n* is an unused VDN and configure as follows:
 - Name Set to any descriptive string value.
 - **Vector Number** Set to the vector configured in the previous step.

```
add vdn 54402
                                                             Page
                                                                     1 of
                                                                             2
                                VECTOR DIRECTORY NUMBER
                                 Extension: 54402
                                       Name: Dialer Inbound
                             Vector Number: 402
                     Attendant Vectoring? N
                    Meet-me Conferencing? N
                      Allow VDN Override? N
                                       COR: 1
                                         TN: 1
                                  Measured: none
                                 1<sup>st</sup> Skill:
                                 2<sup>nd</sup> Skill:
                                 3<sup>rd</sup> Skill:
```

- 7. Enter the **add agent-loginID** *n* command, where *n* is valid extension as per the dial plan and configure as follows:
 - Name Set to any descriptive string value.
 - Auto Answer Set to all.
 - Repeat this step to configure additional agent login IDs.

```
add agent-loginID 25020
                                                             Page 1 of
                                 AGENT LOGINID
               Login ID: 25020
                                                                AAS? n
                   Name: Agent1
                                                              AUDIX? n
                     TN: 1
                                                      LWC Reception: spe
                                         LWC Log Externar cal.
AUDIX Name for Messaging:
                                            LWC Log External Calls? n
                    COR: 1
          Coverage Path:
          Security Code:
                                            LoginID for ISDN Display? n
                                                           Password:
                                              Password (enter again):
                                                        Auto Answer: all
                                                  MIA Across Skills: system
                                           ACW Agent Considered Idle: system
                                           Aux Work Reason Code Type: system
                                            Logout Reason Code Type: system
                       Maximum time agent in ACW before logout (sec): system
```

On Page 2 of the AGENT LOGINID form, specify the list of skills in the SN (Skill Number) field and level in the SL (Skill Level) field assigned to this agent login as shown below.

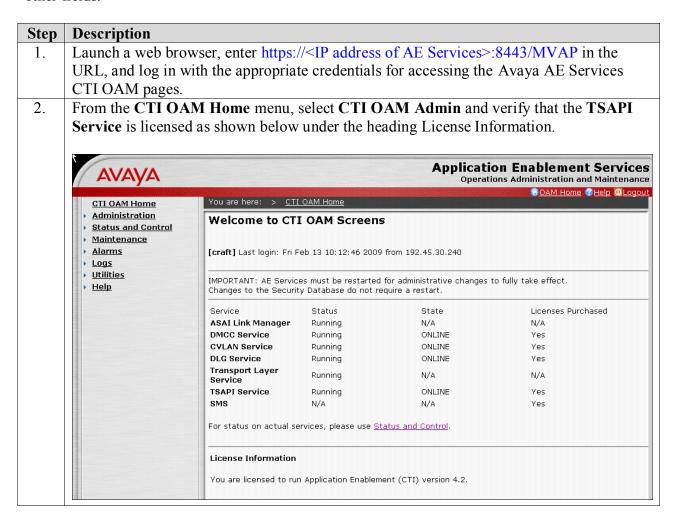
char	ige age	ent-logi	nID 25020				Page	2 of	2
				AGENT	LOGINID				
Direct Agent Skill:									
Call	. Handl	Ling Pre	ference: ski	ll-level		Local Ca	all Prefer	rence? n	
	SN	SL	SN	SL	SN	SL	SN	SL	
1:	402	2	16:		31:		46:		
2:			17:		32:		47:		
3:			18:		33:		48:		
4:			19:		34:		49:		

- 8. Enter the **change station n** where n is already configured agent phone/headset extension used by the HardDialer. On **Page 3**, configure the following button assignments:
 - aux-work agent is logged on to the phone for outbound calls.
 - **auto-in** agent goes to auto-in to accept inbound calls.
 - **after-call** when the agent is in wrap up state after the call has ended.
 - **release** to drop the call.
 - Repeat this step to configure additional agent phone/headset extensions.

```
change station 22720
                                                              Page 3 of
                                    STATION
SITE DATA
                                                       Headset? n
     Room:
                                                       Speaker? n
      Jack:
                                                      Mounting: d
     Cable:
                                                   Cord Length: 0
     Floor:
  Building:
                                                     Set Color:
ABBREVIATED DIALING
    List1:
                              List2:
                                                        List3:
BUTTON ASSIGNMENTS
                                        5: aux-work
1: call-appr
                                                       RC:
                                                              Grp:
2: call-appr
                                        6: auto-in
                                                              Grp:
3: call-appr
                                                              Grp:
                                        7: after-call
4: call-fwd
              Ext:
                                         8: release
```

6. Configure Avaya Application Enablement Services

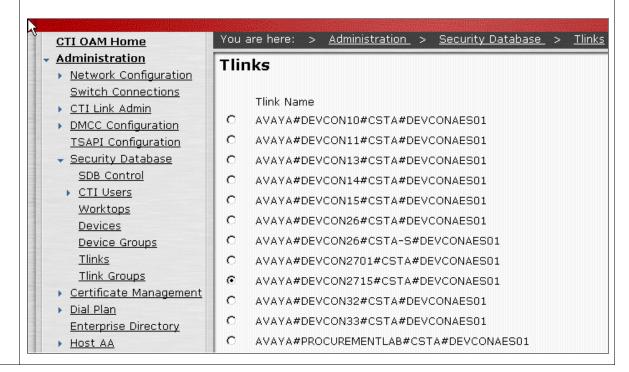
This section provides the procedures for configuring Avaya Application Enablement Services. Basic configuration related to the switch connection between Avaya Communication Manager and Avaya Application Enablement Services is assumed. Configuration in the following steps is only for the fields where a value needs to be entered or modified. Default values are used for all other fields.



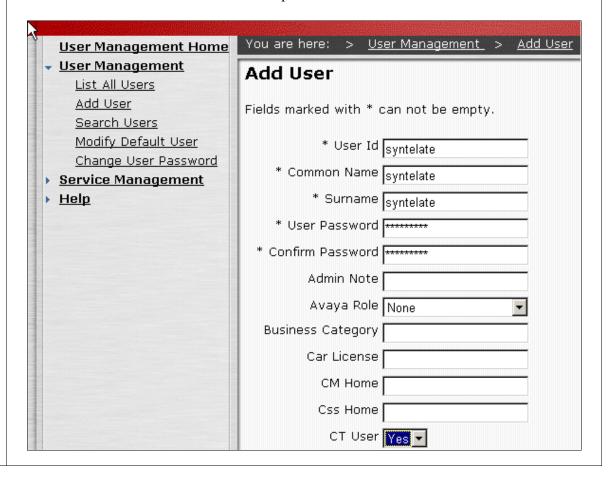
- 3. From the CTI OAM Home menu, select Administration → CTI Link Admin → TSAPI Links and click on Add Link (not shown). At the Add/ Edit TSAPI Links screen configure as follows:
 - Link: Choose a link number between 1 and 16 that is available.
 - **Switch Connection:** Select the appropriate previously configured switch connection to be used, from the drop down list.
 - Switch CTI Link Number: Corresponding CTI link number configured in Section 5.2, Step 3.
 - Click Apply Changes.



4. Navigate to the **Tlinks** screen by selecting **Administration** → **Security Database** → **Tlinks**. Avaya AE Services server automatically creates the Tlink Name **Avaya#DEVCON2715#CSTA#DEVCONAES01** as shown in the screen below.

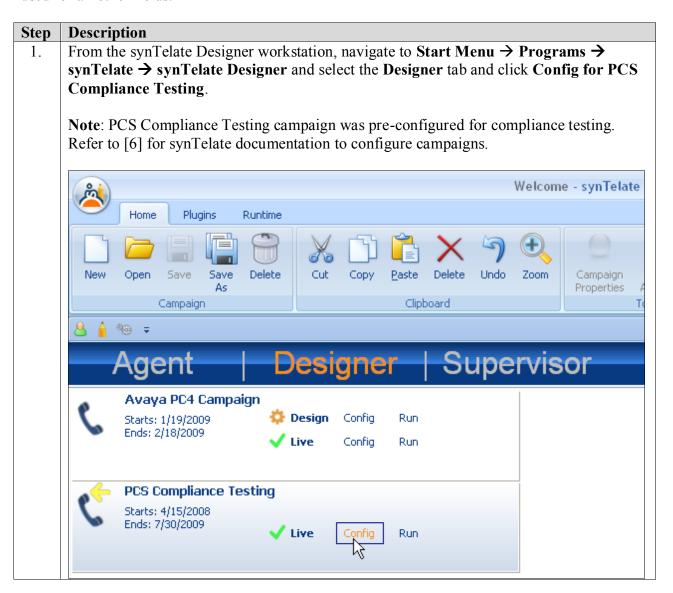


- 5. A user ID and password must be configured for the synTelate Agent application and for Avaya HardDialer (not shown) to communicate as a TSAPI Client with the AE Services. Navigate to **OAM Home** → **User Management** → **Add User** and configure as follows:
 - User Id: Enter a login name to be used by synTelate agent.
 - Common Name: Enter any descriptive string.
 - **Surname:** Enter any descriptive string.
 - User Password: Enter a password to be used by synTelate agent.
 - Confirm Password: Re-enter the password.
 - CT User: Select Yes from the drop down list.



7. Configure synTelate

This section describes the steps for configuring synTelate. Configuration in the following sections is only for the fields where a value needs to be entered or modified. Default values are used for all other fields.



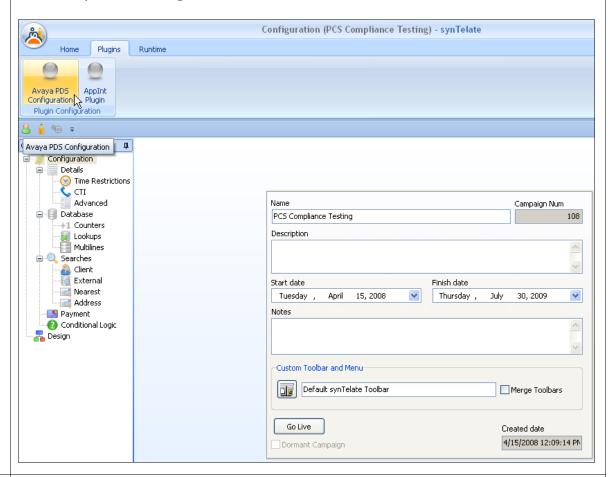
At the Configuration screen for PCS Compliance Testing campaign, select the Plugins tab and click Edit Design in the right pane. Configuration (PCS Compliance Testing) - synTelate Home Plugins Runtime Avaya PDS AppInt Plugin Configuration Plugin Configuration <u>\$</u> ∳ % ∓ Campaign Explorer Û Configuration ■ Details Time Restrictions Advanced Campaign Num Database PCS Compliance Testing +1 Counters Lookups
Multilines Description Searches 🖺 Client External Start date Finish date - Nearest ٧ Thursday , Tuesday , April 15, 2008 July 30, 2009 - Address Payment Notes Conditional Logic ^ R Design Custom Toolbar and Menu-Default synTelate Toolbar Merge Toolbars

Edit Design

Dormant Campaign

Created date

3. Click Avaya PDS Configuration.



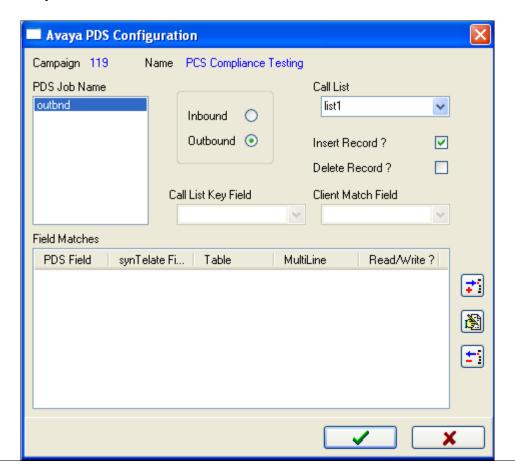
- 4. In **Avaya PDS Config Login** dialog box, enter the following:
 - Server Select the Avaya HardDialer name from the drop down list.
 - User Name Enter the agent name configured on Avaya HardDialer
 - **Password** Enter the password for the agent name configured on Avaya HardDialer.
 - Click **OK**.



At the Avaya PDS Configuration screen, right click in the PDS Job Name list box and select Add Job. Avaya PDS Configuration Campaign 119 Name PCS Compliance Testing PDS Job Name Call List No job selecte Add Job bound Welete Job Outbound 💿 Insert Record? Delete Record? Client Match Field Call List Key Field v v Field Matches PDS Field MultiLine Read/Write? synTelate Fi... Table 71 闔 $\pm i$

All the jobs retrieved from Avaya HardDialer are listed in the **Add Job for campaign** dialog box that appears. Select a relevant job for the outbound campaign and click on the **b**utton. Avaya PDS Configuration Campaign 95 Name PCS Compliance Testing PDS Job Name Call List No job selected Inbound Add Job for ca... Record? inbnd1 Record? infinity1 infinity2 Match Field ivr1pool managed1 onq_list1 onq_list2 Field Matches verify PDS Field synTelate Fi Read/Write? virtual outbnd **#**1 blend managed 邋 ±1

- 7. At the **Avaya PDS Configuration** screen, configure as follows:
 - Select the **Outbound** radio button.
 - Call list Select list1 from a drop down list.
 - Check the **Insert Record** box.
 - Click the button to choose Avaya HardDialer fields that will be mapped to the synTelate database field names.

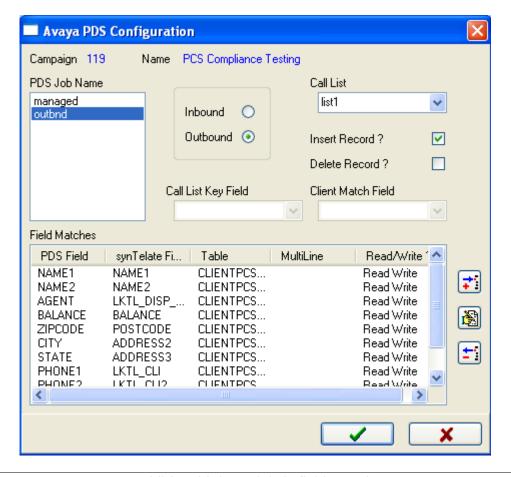


- 8. In the **Add Field Match...** dialog box, configure as follows:
 - PDS Field Select Avaya HardDialer field from the PDS Field drop down list.
 - **synTelate Field** Click the button and select the corresponding synTelate field name.
 - **Read/Write Options** Check the appropriate radio button.
 - Click the **v** button.



9. Repeat **Steps 8** for additional fields to be mapped. Additional fields to be mapped are highlighted in **Section 4.1**.

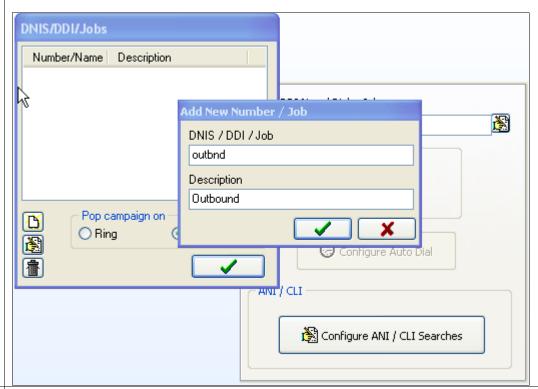
10. The **Avaya PDS Configuration** screen shows the complete list of synTelate fields mapped to the relevant Avaya HardDialer fields. Click the button.



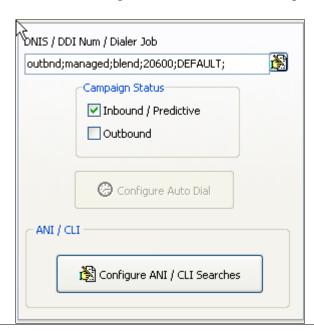
11. Repeat **Steps 5-9** to create additional jobs and their field mappings.

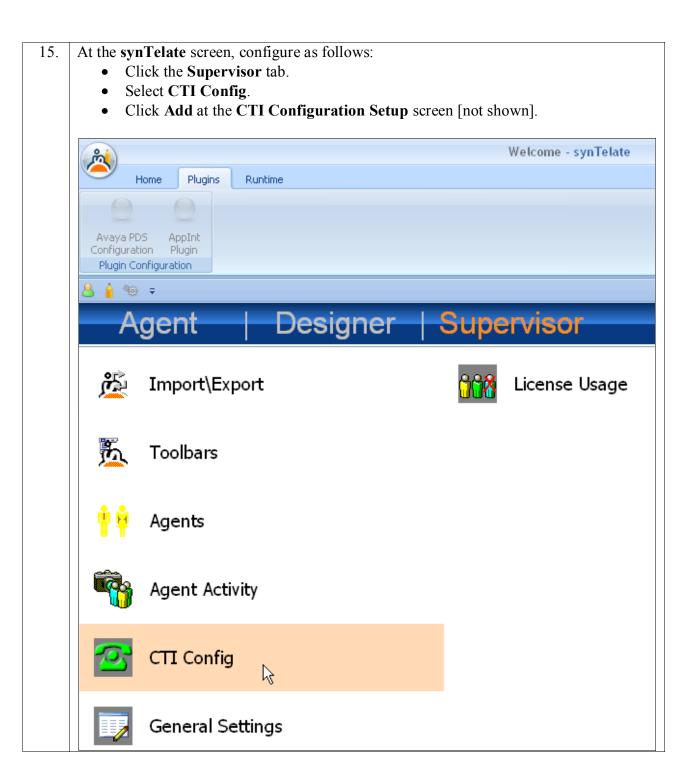
At the Configuration screen, click on CTI in the menu tree on the left and then click on 12. next to the DNIS/DDI Num/Dialer Job field. Configuration (PCS Compliance Testing) - synTelate Home Plugins Runtime Delete Сору Paste Undo Zoom Campaign Control Control Properties Alignment Sizing Toolbars Campaign Clipboard Tampaign Explorer Configuration Details Time Restrictions Advanced □ □ Database +1 Counters DNIS / DDI Num / Dialer Job Lookups Multilines B Searches Campaign Status 🚨 Client External ✓ Inbound / Predictive Nearest Outbound address Payment Conditional Logic 🚣 Design (Configure Auto Dial ANI / CLI Configure ANI / CLI Searches

- 13. Click on at the **DNIS/DDI/Jobs** screen and at the **Add New Number/Job** screen configure as follows:
 - DNIS/DDI/Job Set to one of the jobs configured in Step 6 or DEFAULT.
 - **Description** Set to any descriptive text string.
 - Click **v** button.

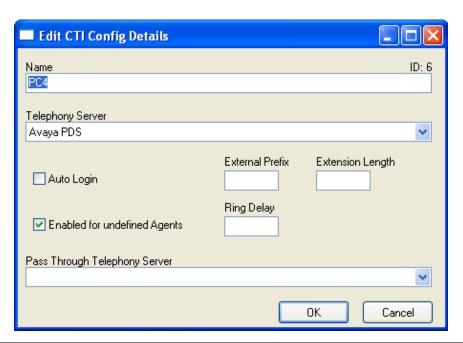


14. The screen below shows the CTI configurations done for this compliance testing.

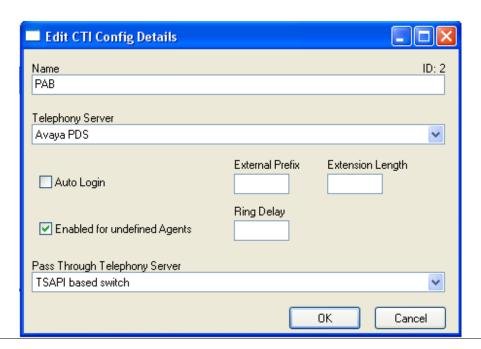


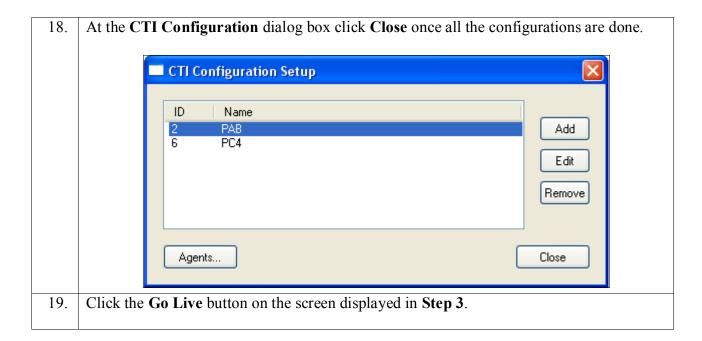


- 16. At the **Edit CTI Config Details** screen, configure as follows:
 - Name Enter any descriptive and unique name which will be listed when the synTelate agent is run.
 - Telephony Server Select Avaya PDS from the drop down list.
 - Auto Login Uncheck the box.
 - Click **OK**.



17. Repeat the previous step for Predictive agent blending. Additionally, set the **Pass Through Telephony Server** field to **TSAPI based switch** from the drop down list and click **OK**.





8. General Test Approach and Test Results

All feature tests passed. Following observations were made during compliance testing:

- Buttons on the synTelate Agent are not disabled even if they are not available.
- Conference feature is not available.
- Native Voice and Data transfer feature was not tested.

9. Verification Steps

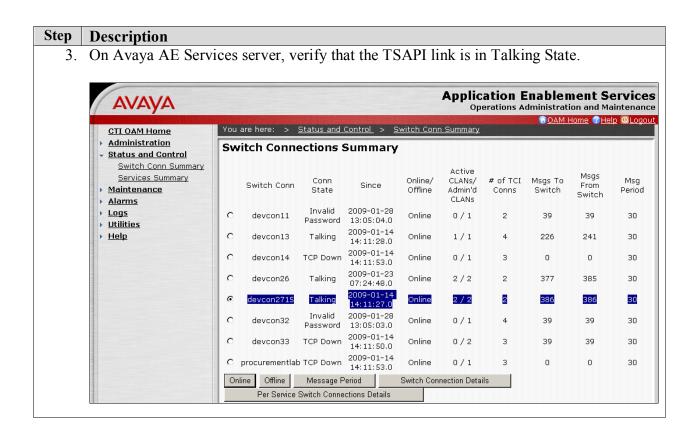
This section provides the tests that can be performed to verify proper configuration of Avaya Communication Manager, Avaya Application Enablement Services, and synTelate Agent PC.

9.1. Verify Avaya Communication Manager and Avaya Enablement Services

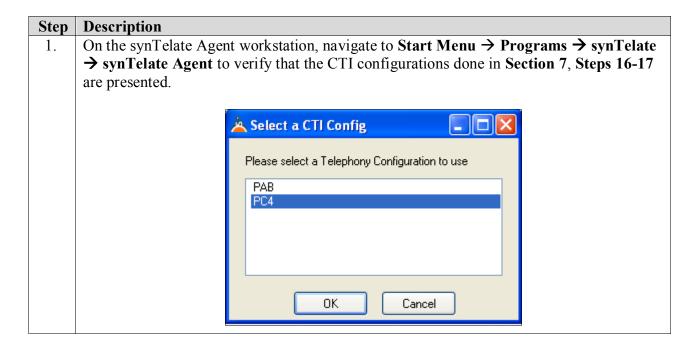
The following steps can ensure that the communication between Avaya Communication Manager and Avaya Application Enablement Services server is working.

C4	ъ .	4.						
Step	Description							
1.	Verify that the service state of the TSAPI link is established.							
	status aesvcs cti-link							
	AE SERVICES CTI LINK STATUS							
	CTI	Version	Mnt	AE Services	Service	Msgs	Msgs	
	Link		Busy	Server	State	Sent	Rcvd	
	4		no		down	0	0	
	15	4	no	devconaes01	established	15	15	
2	On Ava	va HardDia	lar anta	r the "notstat	a" command to verify	the conne	ction with	
۷.	2. On Avaya HardDialer enter the "netstat –a" command to verify the connection with							
	Avaya HardDialer. The results of the "netstat –a" should show an ESTABLISHED							
	synTelate agent connection.							
	ten 0 0 lands4·NameService ssl 1ands4·32828 ESTARI ISHED							

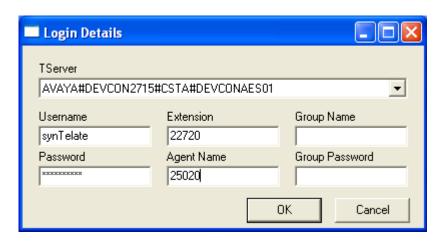
tcp	0	0 lzpds4:NameService_ssl	lzpds4:32828	ESTABLISHED
tcp	0	0 lzpds4:logger_ssl	1zpds4:32829	ESTABLISHED
tcp	0	0 lzpds4:agent	192.45.30.30:1070	ESTABLISHED
tcp	0	0 lzpds4:NameService_ssl	lzpds4:32823	ESTABLISHED
tcp	0	0 lzpds4:32898	lzpds4:serviceAct_ssl	ESTABLISHED
tcp	0	0 lzpds4:2484	lzpds4:32886	ESTABLISHED
tep	0	0 lzpds4:32882	lzpds4:dccs_ssl	ESTABLISHED
tep	0	0 lzpds4:serviceAct_ssl	1zpds4:32898	ESTABLISHED
tep	0	0 lzpds4:dialerSA_ssl	1zpds4:32899	ESTABLISHED
tep	0	0 lzpds4:32875	lzpds4:dialerSM_ssl	ESTABLISHED
tep	0	0 lzpds4:32899	lzpds4:dialerSA_ssl	ESTABLISHED
tep	0	0 lzpds4:32857	DEVCONAES01:1055	ESTABLISHED



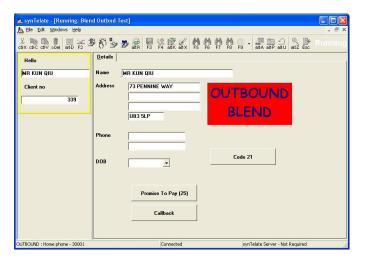
9.2. Verify synTelate Agent



2. If **PAB** (Predictive Agent Blending) is chosen from the list in previous step, then this additional dialog box should pop-up providing a list of TSAPI links in the **TServer** field. Verify the TSAPI link configured in **Section 6**, **Steps 3-4** is available. The **Username** and **Password** fields should match the configuration done in **Section 6**, **Step 5**. This verifies that the synTelate agent has connectivity to Avaya AE Services.



3. The following screen displays an example of an outbound campaign customer record screen pop.



10. Conclusion

These Application Notes describe the required configuration steps for the synTelate Agent 4.0 application to successfully interoperate with Avaya Proactive Contact 4.0 using PG230 Digital Switch. All test cases were completed successfully and the configuration described in these Application Notes has been successfully compliance tested.

11. Additional References

This section references Avaya and Initiative Software product documentation that are relevant to these Application Notes.

Avaya product documentation can be found at http://support.avaya.com.

- [1] Administrator Guide for Avaya Communication Manager, Document ID 03-300509, Issue 4.0, February 2007
- [2] Implementing Proactive Contact 4.0, May, 2008
- [3] Administering Avaya Proactive Contact (Linux-based Interface), January 2008
- [4] Avaya Application Enablement Services 4.2 Administration and Maintenance Guide, Document ID 02-300357, Issue 4, September 2008
- [5] Sample Avaya Proactive Contact 3.0 with CTI Installation and Configuration, Issue 1.0, Avaya Solution and Interoperability Test Lab

Company and product information available from Initiative Software at www.syntelate.com or www.syntelate.com or www.syntelate.com or www.syntelate.com or

[6] Installation and Administration guide for synTelate 4.0

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