

Avaya Solution & Interoperability Test Lab

# Application Notes for Unimax 2nd Nature 8.4 with Avaya Aura® Communication Manager 7.0 and Avaya Aura® Application Enablement Services 7.0 – Issue 1.0

### Abstract

These Application Notes describe the configuration steps required for Unimax 2nd Nature 8.4 to interoperate with Avaya Aura® Communication Manager 7.0 and Avaya Aura® Application Enablement Services 7.0. Unimax 2nd Nature is a centralized enterprise voice administration and provisioning solution.

In the compliance testing, Unimax 2nd Nature used System Management Services from Avaya Aura® Application Enablement Services to provide an administration interface for provisioning resources on Avaya Aura® Communication Manager.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as any observations noted in **Section 2.2**, to ensure that their own use cases are adequately covered by this scope and results.

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

### 1. Introduction

These Application Notes describe the configuration steps required for Unimax 2nd Nature 8.4 to interoperate with Avaya Aura® Communication Manager 7.0 and Avaya Aura® Application Enablement Services 7.0. Unimax 2nd Nature is a centralized enterprise voice administration and provisioning solution.

In the compliance testing, Unimax 2nd Nature used System Management Services (SMS) from Avaya Aura® Application Enablement Services to provide an administration interface to Unimax 2nd Nature clients for provisioning of resources on Avaya Aura® Communication Manager.

SMS is a web service that provides programmatic access to a subset of administration objects available via the Communication Manager System Access Terminal (SAT) screens. SMS enables clients using Simple Object Access Protocol (SOAP) based access to list, display, add, change, and remove specific managed objects on Communication Manager.

Testing was performed with the 2nd Nature client application, which supports the complete set of objects on the 2nd Nature server. The results should be extendable to other client applications LineOne, HelpOne, and Spotlight, with each supporting a subset of the objects on 2nd Nature.

# 2. General Test Approach and Test Results

All test cases were performed manually. Actions were taken on 2nd Nature and Communication Manager to alter data associated with supported objects, and to verify data stayed in sync between the two systems.

The objects were modified on 2nd Nature using the 2nd Nature client application, and modified on Communication Manager using SAT. For each supported object, a subset of parameters were chosen at random to modify and verify, therefore not all parameters were tested.

The serviceability test cases were performed manually by disconnecting/reconnecting the Ethernet connection to the 2nd Nature server.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

### 2.1. Interoperability Compliance Testing

The interoperability compliance test included feature and serviceability testing.

The feature testing focused on verifying the following on 2nd Nature:

- Use of SMS service to download, synchronize, and display specific managed objects.
- Use of SMS service to add, change, and remove specific managed objects.
- Proper handling of the following SMS objects: Agent, Alias Station, Announcement, Authorization Code, Configuration, COR, COS, Coverage Answer Group, Coverage Path, Coverage Remote, Dial Plan Analysis, Hunt Group, Locations, Off PBX Station Mapping, Pickup Group, Site Data, Station, Uniform Dial Plan, VDN, Vector, and VRT.

The serviceability testing focused on verifying the ability of 2nd Nature to recover from adverse conditions, such as disconnecting/reconnecting the Ethernet connection to the 2nd Nature server.

### 2.2. Test Results

All test cases were executed and verified. The following were observations on 2nd Nature from the compliance testing.

- When the Multiple Locations customer option is disabled on Communication Manager, the 2nd Nature system download project can fail. The workaround is to manually remove List Location All from the project and resume download.
- When the Multiple Level Precedence & Preemption customer option is disabled on Communication Manager, 2nd Nature will show the Precedence call waiting parameter as enabled on every station.
- Attendant extensions did not get factored into the Extensions Available and Extension Usage Report.
- The application requires a vector to be in existence before being configured as part of a VDN.
- The current version of the application only supports up to 100 tenants.
- By design, 2nd Nature does not necessarily duplicate all parameter validations that are supported by Communication Manager for each object.
- The current release does not fully support the Modify nor Delete actions for Uniform Dial Plans entries.
- In the testing, the removal of an off-pbx station-mapping entry from 2nd Nature indicated success, although still in existence on Communication Manager. The workaround is to manually remove the entry from Communication Manager.

### 2.3. Support

Technical support on 2nd Nature can be obtained through the following:

- **Phone:** (612) 204-3661
- Email: <u>http://www.unimax.com/support</u>

# 3. Reference Configuration

The configuration used for the compliance testing is shown in Figure 1.

The detailed administration of basic connectivity between Communication Manager and Application Enablement Services, and of objects on Communication Manager are not the focus of these Application Notes and will not be described.

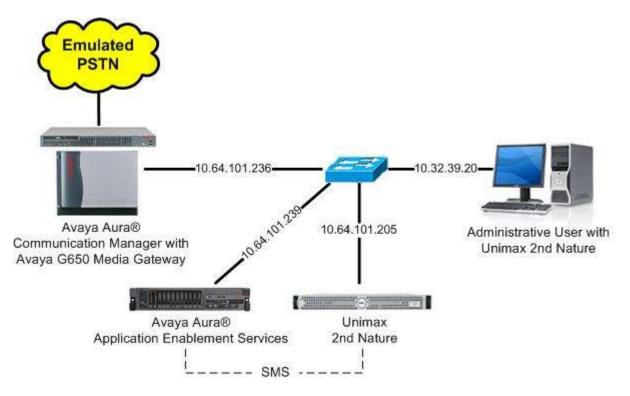


Figure 1: Compliance Testing Configuration

# 4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment/Software	Release/Version
Avaya Aura® Communication Manager in	7.0 SP1
Virtual Environment	(7.0.0.1.0.441.22477)
Avaya G650 Media Gateway	NA
Avaya Aura® Application Enablement Services in Virtual Environment	7.0 Patch 1 (7.0.0.0.1.13)
Unimax 2nd Nature on	8.4 B0 (FL.44645.20151020)
Windows Server 2008 R2 Enterprise	SP1
• Microsoft SQL Server 2014 Express	12.0.2000.8
Unimax 2nd Nature on	8.4 B0 (FL.44645.20151020)
Windows 7 Professional	SP1

# 5. Configure Avaya Aura® Communication Manager

This section provides the procedures for configuring Communication Manager. The procedures include the following area:

• Administer accounts

#### **5.1. Administer Accounts**

Access the web-based interface by using the URL "https://ip-address" in an Internet browser window, where "ip-address" is the IP address of Communication Manager. Log in using the appropriate credentials.

AVAYA		Avaya Aura <sup>®</sup> Communication Manager (CM) System Management Interface (SMI)
Help Log Off		
		This Server: cm7
	Logon ID: Password:	Logon

The System Management Interface screen is displayed next. Select Administration  $\rightarrow$  Server (Maintenance) from the top menu.



Solution & Interoperability Test Lab Application Notes ©2015 Avaya Inc. All Rights Reserved. The Server Administration screen is displayed. Scroll the left pane as necessary and select Security  $\rightarrow$  Administrator Accounts.

AVAYA	Avaya Aura <sup>®</sup> Communication Manager (CM) System Management Interface (SMI)
Help Log Off	Administration
Administration / Server (Maintenan	ce) This Server: cm7
Backup History Schedule Backup Backup Logs View/Restore Data Restore History Ecurity Administrator Accounts Login Account Policy Login Reports Server Access Syslog Server	<ul> <li>Server Administration</li> <li>Welcome to the "Server Administration Interface". This interface allows you to maintain, troubleshoot, and configure the server.</li> <li>Please use the menu to the left for navigation.</li> </ul>

The Administrator Accounts screen is displayed next. Select Add Login and Privileged Administrator, as shown below.

AVAYA			Avaya Aura <sup>®</sup> Communication Manager (CM) System Management Interface (SMI)
Help Log Off	Administration		
Administration / Server (Maintenance)			This Server: cm7
Static Routes Display Configuration Time Zone Configuration NTP Configuration Server Upgrades IPSI Version Download IPSI Firmware Download Status Activate IPSI Upgrade Activate IPSI Upgrade Activation Status Data Backup/Restore Backup Now Backup History Schedule Backup Backup Logs View/Restore Data Restore History Security	<ul> <li>Administrator A</li> <li>The Administrator Accounts</li> <li>Select Action:         <ul> <li>Add Login</li> <li>Privileged Admir</li> <li>Unprivileged Admir</li> <li>SAT Access Onli</li> <li>CDR Access Onli</li> <li>CDR Access Onli</li> <li>Business Partne</li> <li>Business Partne</li> <li>Custom Login</li> </ul> </li> </ul>	nts SMI pages allow yo histrator ministrator y Y Y r Login (dadmin)	u to add, delete, or change administrator logins and Linux groups.
Administrator Accounts Login Account Policy	Change Login	Select Login	×
Login Reports Server Access Syslog Server Authentication File	Change Login  Remove Login  Lock/Unlock Login	Select Login	 
Load Authentication File Firewall Install Root Certificate	Add Group  Remove Group	Select Group	•
Trusted Certificates Server/Application Certificates Certificate Alarms Certificate Signing Request	Submit Help		

The Administrator Accounts screen is updated. Enter the desired credentials for Login name, Enter password or key, and Re-enter password or key. Retain the default values in the remaining fields.

Make a note of the account credentials, which will be used later to configure 2nd Nature.

Αναγα		Avaya Aura <sup>®</sup> Communication Ma System Management I	nager (CM) Interface (SMI)
Help Log Off	Administration		
Administration / Server (Maintenance)			This Server: cm7
Static Routes Display Configuration Time Zone Configuration NTP Configuration Server Upgrades		nts Add Login: Privileged Administrator	st access privileges
Manage Updates IPSI Firmware Upgrades	Login name	Unimax2N	
IPSI Version Download IPSI Firmware	Primary group	susers	
Download Status Activate IPSI Upgrade	Additional groups (profile)	prof18 T	
Activation Status Data Backup/Restore	Linux shell	//bin//bash	
Backup Now Backup History	Home directory	/var/home/Unimax2N	
Schedule Backup Backup Logs	Lock this account		
View/Restore Data Restore History	SAT Limit	none 🔻	
Security Administrator Accounts Login Account Policy	Date after which account is disabled-blank to ignore (YYYY-MM-DD)		
Login Reports Server Access Syslog Server Authentication File	Select type of authentication	<ul> <li>ASG: Auto-generate key</li> <li>ASG: enter key</li> <li>ASG: enter key</li> </ul>	
Load Authentication File Firewall	Enter password or key	••••••	
Install Root Certificate Trusted Certificates	Re-enter password or key		
Server/Application Certificates Certificate Alarms Certificate Signing Request SSH Keys	Force password/key change on next login	● No ◎ Ves	
Web Access Mask Miscellaneous File Synchronization Download Files CM Phone Message File	Submit Cancel He	lp	

### 6. Configure Avaya Aura® Application Enablement Services

This section provides the procedures for configuring Application Enablement Services. The procedures include the following areas:

- Launch OAM interface
- Administer ports
- Administer SMS properties

#### 6.1. Launch OAM Interface

Access the OAM web-based interface by using the URL "https://ip-address" in an Internet browser window, where "ip-address" is the IP address of the Application Enablement Services server.

The Please login here screen is displayed. Log in using the appropriate credentials.

avaya	Application En Manage	ablement So ment Console	ervices	
	Please login here:			
	Username			
	Password			
		Login Reset		
	Copyright © 2009-2	2015 Avaya Inc. All Rig	hts Reserved.	

The Welcome to OAM screen is displayed next.

	cation Enablement Services Management Console	Welcome: User Last login: Tue Oct 20 08:59:28 2015 from 10.32.39.25 Number of prior failed login attempts: 0 HostName/IP: aes7/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 7.0.0.0.1.13 Server Date and Time: Tue Oct 20 08:59:46 EDT 2015 HA Status: Not Configured
Ноте		Home   Help   Logout
AE Services		
Communication Manager Interface	Welcome to OAM	
High Availability	The AE Services Operations, Administration, and M	anagement (OAM) Web provides you with
▶ Licensing	tools for managing the AE Server. OAM spans the f	
Maintenance	<ul> <li>AE Services - Use AE Services to manage a on the AE Server.</li> </ul>	II AE Services that you are licensed to use
Networking	<ul> <li>Communication Manager Interface - Use Co switch connection and dialplan.</li> </ul>	mmunication Manager Interface to manage
» Security	<ul> <li>High Availability - Use High Availability to m</li> </ul>	
» Status	<ul> <li>Licensing - Use Licensing to manage the lice</li> <li>Maintenance - Use Maintenance to manage</li> </ul>	the routine maintenance tasks.
> User Management	<ul> <li>Networking - Use Networking to manage the</li> <li>Security - Use Security to manage Linux use</li> </ul>	er accounts, certificate, host authentication
Vtilities	so on.	ggable Authentication Modules for Linux) and
} Help	<ul> <li>Status - Use Status to obtain server status i</li> <li>User Management - Use User Management t</li> <li>Services user-related resources.</li> <li>Utilities - Use Utilities to carry out basic cont</li> <li>Help - Use Help to obtain a few tips for using</li> </ul>	to manage AE Services users and AE nectivity tests.
	Depending on your business requirements, these a administrator for all domains, or a separate admini	

### 6.2. Administer Ports

Select **Networking**  $\rightarrow$  **Ports** from the left pane, to display the **Ports** screen in the right pane.

Scroll down to the **SMS Proxy Ports** sub-section, and configure **Proxy Port Min** and **Proxy Port Max** to the desired values. Note that SMS can use up to 16 ports, and the compliance testing used the default ports "4101-4116" as shown below.

	cation Enabl Managemen	ement Services It Console	Number of prior fail HostName/IP: aes7 Server Offer Type: SW Version: 7.0.0.0	VIRTUAL_APPLIANCE_ON_VMWA 0.1.13 me: Tue Oct 20 09:01:00 EDT 20
Networking  Ports				Home   Help   Log
<ul> <li>AE Services</li> <li>Communication Manager Interface</li> <li>High Availability</li> <li>Licensing</li> <li>Maintenance</li> </ul>	Ports CVLAN Ports	Unencrypted TCP Port Encrypted TCP Port	9999	Enabled Disabled
▼ Networking	DLG Port	TCP Port	5678	
AE Service IP (Local IP) Network Configure Ports TCP Settings	TSAPI Ports	TSAPI Service Port Local TLINK Ports TCP Port Min TCP Port Max	450 1024 1039	Enabled Disabled
› Security › Status › User Management › Utilities		Unencrypted TLINK Ports TCP Port Min TCP Port Max Encrypted TLINK Ports	1050	
} Help	1	TCP Port Min TCP Port Max	1066	
	DMCC Server Port	Unencrypted Port	4721	Enabled Disabled
		Encrypted Port TR/87 Port	4722	
	H.323 Ports			
		TCP Port Min TCP Port Max Local UDP Port Min	20000 29999 20000	
		Local UDP Port Max Server Media	29999	Enabled Disabled
	* Nata, The numb	RTP Local UDP Port Min* RTP Local UDP Port Max*	30000 49999	
	SMS Proxy Ports	er of RTP ports needs to be do Proxy Port Min Proxy Port Max	4101 4116	
	Apply Changes	Restore Defaults		

TLT; Reviewed: SPOC 12/18/2015

Solution & Interoperability Test Lab Application Notes ©2015 Avaya Inc. All Rights Reserved. 12 of 22 Unimax-2N-AES7

### 6.3. Administer SMS Properties

Select **AE Services**  $\rightarrow$  **SMS**  $\rightarrow$  **SMS Properties** from the left pane, to display the **SMS Properties** screen in the right pane.

For **Default CM Host Address**, enter the IP address of Communication Manager, in this case "10.64.101.236". Retain the default values for the remaining fields.

A Services   SMS   SMS Properties	Management con	ent Services	Welcome: User Last login: Tue Oct 20 08:59:28 2015 from 10.32.39.25 Number of prior failed login attempts: 0 HostName/IP: aes7/10.64.101.239 Server Offer Type: VIRTUAL_APPLIANCE_ON_VMWARE SW Version: 7.0.0.0.1.13 Server Date and Time: Tue Oct 20 09:02:13 EDT 2015 HA Status: Not Configured Home   Help   Logout
AE Services     CVLAN	SMS Properties		
DLG     DMCC	Default CM Host Address Default CM Admin Port	10.64.101.236	
<ul> <li>SMS</li> <li>SMS Properties</li> </ul>	CM Connection Protocol	SSH V	
TSAPI	SMS Logging SMS Log Destination	NORMAL   Apache	
TWS     Communication Manager     Interface	CM Proxy Trace Logging Max Sessions per CM	NONE	
High Availability	Proxy Shutdown Timer SAT Login Keepalive	1800 180	seconds seconds
Maintenance	CM Terminal Type Proxy Log Destination	OSSIZ  Var/log/avaya/aes/os	sicm.log
<ul> <li>Networking</li> <li>Security</li> </ul>	Apply Changes Rest	ore Defaults Cancel	
<ul> <li>Status</li> <li>User Management</li> </ul>			
<ul><li>&gt; Utilities</li><li>&gt; Help</li></ul>			

# 7. Configure Unimax 2nd Nature

This section provides the procedures for configuring 2nd Nature. The procedures include the following areas:

- Launch 2nd Nature
- Administer system
- Administer system connection
- Administer system releases
- Start communication service
- Download data

### 7.1. Launch 2nd Nature

From the 2nd Nature server, select Start  $\rightarrow$  All Programs  $\rightarrow$  2nd Nature  $\rightarrow$  2nd Nature to launch the application. The 2nd Nature Log In screen below is displayed. Log in using the appropriate credentials.

2N 2nd Nature Log In		? >
Username:*		
Password:		
Display login dialog:		
	ОК	Cancel

#### 7.2. Administer System

Upon initial log in, the **System Configuration Tool** screen is displayed next. Select **Add** to add a new system.

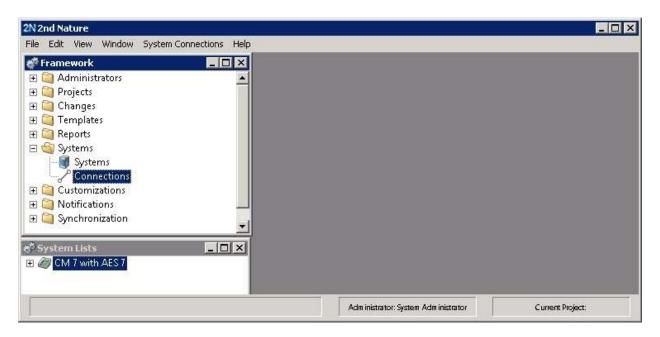
Add
Edit
Remove

Solution & Interoperability Test Lab Application Notes ©2015 Avaya Inc. All Rights Reserved. The **Add System** screen is displayed. Enter a descriptive **Name**, and select "Avaya Communication Manager" from the **System type** drop-down list, as shown below.

2N Add System	? ≍
Name:*	CM 7 with AES 7
System type:*	Avaya Communication Manager 💌
Model:	<u></u>
Parent systems	
	Add
	Remove
1	
	OK Cancel

### 7.3. Administer System Connection

The **2nd Nature** screen below is displayed. From the **Framework** pane, expand and right click on **Systems**  $\rightarrow$  **Connections**, and select **Create** to create a new connection.



The **Make your selection**(s) screen is displayed next. Click **Browse** and select the system name from **Section 7.2**.

Field Value	
System name* CM 7 with AES 7	Browse
Type* SOAP	

The **Multiple Record Editor** screen is displayed. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- Host name: The host name or IP address of Application Enablement Services.
- Use encryption: Check this field.
- Port number: "443"
- Username: The account name from Section 5, concatenated with an IP address.
- **Password:** The account password from **Section 5**.

For **Username**, use the format "x@y", where "x" is the account name from **Section 5** and "y" is the IP address of Communication Manager.

Multiple Record Editor				
System Connection CM 7 with the second se	at 1			
System Connection	Field	Value		
User defined fields	System name*	CM 7 with AES 7 Browse,		
	Type*	SOAP		
	Name*	SOAP		
	Description			
	Communication server*	WIN-DVE9109V6RQ		
	Active	<u>ସ</u>		
	Priority	High		
	Host name*	10.64.101.239		
	Use encryption (SSL/TLS)			
	Port number*	443		
	Username*	Unimax2N@10.64.101.236		
	Password	www.www.www.		

### 7.4. Administer System Releases

The **2nd Nature** screen below is displayed again. In the **System Lists** pane, right click on the entry associated with the system name from **Section 7.2** and select **Modify**.

2N 2nd Nature		
File Edit View Window Systems H	elp	
🐔 Framework		
🖅 🥘 Administrators		
🗉 🖽 Projects		
🗄 🗄 Changes		
🗉 🗉 Templates		
🖃 🖽 Reports		
🗉 🔄 Systems		
🕀 🗐 Customizations		
🗉 🔲 Notifications		
🗄 🥘 Synchronization	-	
💣 System Lists		
🕀 🥔 CM 7 with AES 7		

The **Multiple Record Editor** screen below is displayed. Select the following values for the specified fields, and retain the default values for the remaining fields.

- **Release:** Release of Communication Manager, in this case "7.0".
- API release: Release of Application Enablement Services, in this case "7.0.1".

2N 2nd Nature File Edit View Window Multiple Rec	ord Editor Help	_ 🗆 ×
Multiple Record Editor	<i>2</i>	_
<ul> <li>System CM 7 with AES 7</li> <li>System information</li> <li>System hierarchy</li> <li>User defined fields</li> <li>System Parameter</li> <li>Features related</li> <li>Customer options</li> <li>License counts</li> <li>Security related</li> <li>Feature access codes</li> <li>Feature name extensions</li> <li>Extension options</li> </ul>	Field ID Name* Category Type Make Model Release API release Last successful download Maximum concurrent connections* 2nd Nature licenses used	Value 1 CM 7 with AES 7 PBX Avaya Communication Manager Avaya 7.0 7.0 7.0 1 2 0
	Maximum concurrent connections* 2nd Nature licenses used	

#### 7.5. Start Communication Service

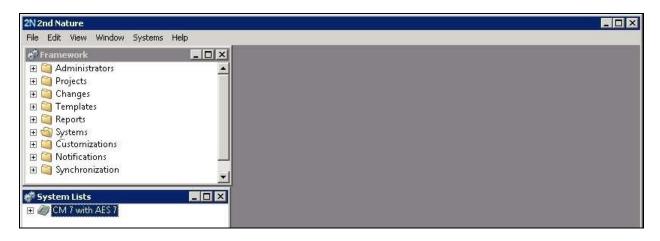
From the 2nd Nature server, select **Start**  $\rightarrow$  **Control Panel**  $\rightarrow$  **Administrative Tools**  $\rightarrow$  **Services** to display the **Services** screen. Start the **2nd Nature Communication Service** shown below.

🝳 Services						- 🗆 ×
File Action View	Help					
(= -)   <b>[</b> ]   []	Q 😹 🛛 🖬 🖌 🖿 🖬 🕪					
🔍 Services (Local)	🔕 Services (Local)					
	2nd Nature Communication Service	Name 🔺	Description	Status	Startup Type	Log O 🔺
	2nd Nature Communication Service	Transmits		Automatic	Local	
	Start the service	🔍 2nd Nature Web Service	Responds t		Automatic	Local
21 A POLIS COLOR CONTROL AND REVES	Application Experience	Processes	Started	Manual	Local	
	Description:	Application Host Helper Service	Provides a	Started	Automatic	Local
	Transmits moves, adds, and changes and	Application Identity	Determines		Manual	Local
	initiates database download of licensed	Application Information	Facilitates		Manual	Local
telephony systems. If this service is stopped all projects scheduled to be sent to telephony systems will show a Mode of "Send now" and a Status of "Waiting" in the project schedules list. Upon restart, projects will be sent in the order scheduled.	Application Layer Gateway Service	Provides s		Manual	Local	
		Application Management	Processes i		Manual	Local
	in the project schedules list. Upon restart, projects will be sent in the order	ASP.NET State Service	Provides s		Manual	Netwo
		Background Intelligent Transfer	Transfers f	Started	Manual	Local
		🗟 Base Filtering Engine	The Base F	Started	Automatic	Local
	Certificate Propagation	Copies use	Started	Manual	Local	

Solution & Interoperability Test Lab Application Notes ©2015 Avaya Inc. All Rights Reserved.

### 7.6. Download Data

The **2nd Nature** screen below is displayed again. In the **System Lists** pane, right click on the entry associated with the system name from **Section 7.2** and select **Download** to obtain data and to populate the 2nd Nature database.



The **Multiple Record Editor** screen below is displayed. Retain all default values to start the download. Note that downloads can also be scheduled to be performed on a regular basis, to sync data between 2nd Nature and Communication Manager.

all 2nd Nature			
File Edit View Window Multiple Record Editor H	lelp		
Multiple Record Editor			
Project Schedule Download CM 7 with AES 7 Schedule Options	<ul> <li>Send now</li> <li>Run at a specific date and time:</li> <li>Postpone</li> <li>Expired</li> <li>Recurring:</li> <li>Recurring day</li> <li>Every day</li> <li>Every</li> <li>S M T W T F S</li> <li>U U U U U U</li> </ul>	10/23/2015 <b>Recurring time</b> Run at Repeat every from	3:20:07 PM 🚖 3:20:07 PM 😓 hrs mins 3:20:07 PM 🚖 to 3:20:07 PM 🔄
			OK Cancel
	Admir	istrator: System Administrator	Current Project: COR Proj

# 8. Verification Steps

This section provides the tests that can be performed to verify proper configuration of Communication Manager, Application Enablement Services, and 2nd Nature.

For Communication Manager, log in to the SAT screen and issue a command for a supported SMS object from **Section 2.1**, in this case "list authorization-code".

```
list authorization-code

LIST AUTHORIZATION CODES REPORT

Authorization Code Class of Restriction(COR)

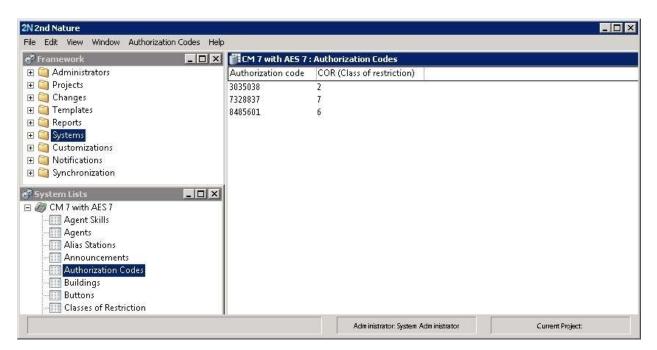
3035038 2

7328837 7

8485601 6
```

On the **2nd Nature** screen, expand the entry in the **System Lists** pane, and double click on **Authorization Codes**.

Verify that an **Authorization Codes** pane is created, showing a listing of authorization codes retrieved from Communication Manager, as shown below. Also verify that the entries match the results from the Communication Manager SAT screen above.



# 9. Conclusion

These Application Notes describe the configuration steps required for Unimax 2nd Nature 8.4 to successfully interoperate with Avaya Aura® Communication Manager 7.0 and Avaya Aura® Application Enablement Services 7.0. All feature and serviceability test cases were completed with observations noted in **Section 2.2**.

# 10. Additional References

This section references the product documentation relevant to these Application Notes.

- **1.** *Administering Avaya Aura*® *Communication Manager*, Release 7.0, Issue 1, August 2015, available at <u>http://support.avaya.com</u>.
- **2.** Administering and Maintaining Aura® Application Enablement Services, Release 7.0, Issue 1, August 2015, available at <u>http://support.avaya.com</u>.
- **3.** *2nd Nature Administrator Guide*, for use with 2nd Nature Release 8.4, available as part of 2nd Nature installation.
- **4.** 2nd Nature Avaya Communication Manager User Guide, for use with 2nd Nature Release 8.4, available as part of 2nd Nature installation.

#### ©2015 Avaya Inc. All Rights Reserved.

Avaya and the Avaya Logo are trademarks of Avaya Inc. All trademarks identified by  $\mathbb{R}$  and  $^{TM}$  are registered trademarks or trademarks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners. The information provided in these Application Notes is subject to change without notice. The configurations, technical data, and recommendations provided in these Application Notes are believed to be accurate and dependable, but are presented without express or implied warranty. Users are responsible for their application of any products specified in these Application Notes.

Please e-mail any questions or comments pertaining to these Application Notes along with the full title name and filename, located in the lower right corner, directly to the Avaya DevConnect Program at <u>devconnect@avaya.com</u>.