

New Voice XML Phone Configuration for Alcatel Instant Communications Suite (ICS)

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1. Configuring the New Voice XML phone application

1.1 First Initialisation

Whenever the New Voice web is installed or the XML phone application has been updated, a (re-)initialisation must be carried by entering the following commands in the command line:

```
> cd /d d:\nv_web\nvapps\nvxmlphone  
> app\console nvxmlphone:init
```

This operation will (re-)initialise the XML phone database and generate/update the file **nvwxmlphone.ini**.

2. Configuring the Alcatel ICS

The New Voice XML phone application requires access to:

- To the Alcatel ICS on which the PRS (PResentation Server) is running

2.1 Accessing the Alcatel ICS

Log-in to "Cisco Unified CM Administration". The URL will be something like:

```
https://<ICS-Server>/WebAdmin
```

After successful authentication with a correct login and password the main screen is shown.

The screenshot shows the Alcatel-Lucent Administration interface. The left sidebar includes links for Home, Sign out, Provisioning, Users, Voice Mail Boxes, Administrators, and a System section containing Configuration, Applications, Servers, and Monitoring. The main content area has a 'Warning' message: 'Some services or applications may need to be initialized: Integrated Messaging Service, IMAP Front End, Messaging Services AH, pmsapngin, Omni SIP Server, Mobility Server'. Below this is a table of 'Last connections' with the following data:

Date	Time	IP Address	User
2013-05-28	10:09:25	577	admin
2013-05-27	10:07:35	613	admin
2013-05-27	10:35:29	710	admin
2013-05-27	10:35:23	034	admin failed
2013-05-27	01:54:19	022	admin

At the bottom, the footer reads: Copyright (c) 2002-2009 Alcatel-Lucent. All rights reserved. Administration 5.0-091.801.

2.2 Creating the New Voice Alarm Service

Select "Servers" from the left menu.

The screenshot shows the 'Servers management' screen under the 'Administration' menu. The left sidebar includes Home, Sign out, Provisioning, Users, Voice Mail Boxes, Administrators, and a System section containing Configuration, Applications, Servers, and Monitoring. The main content area shows a table titled 'Sousun servers(s)' with the following data:

Display name	EDB	Type	Actions
AS primary	ics.newvoice.cs	AS primary	

Associated server(s)

Code/Name	FDQN	Type	Actions
No element found			

reverse proxy, URL mapping

private URL identifier	public URL
API Framework	
Advanced Communication Server	
Device Management Server	
Event Server	
Second Event Server	

for 6 servers topology only

Apply

Click on the triangle icon ("Topology management") in the "Actions" column.

Topology management - Services list

Services list (AS primary)

Code/Name	Port	Service type	Actions
Media Server		Media Server	
Media Server Module	9750	Media Server Module	
Open Telephony Server	9763	Open Telephony Server	
PBX Management	9757	PBX Management	
Presenter Server	2818	Presenter Server	
SQL Server	2038	SQL Server	
Smart Presential Server	88	Smart Presential Server	
Unified Login	443	Unified Login	
Universal Directory Service	9758	Universal Directory Service	
Mobile Server	44327	Mobile Server	
Omni SIP Server	44326	Omni SIP Server	

Create

Actions

Click on the picture to :

- View
- Edit
- Delete
- Configure unconfigured topology

Search for the "Presentation Server" entry and click on the wrench icon ("Configure") in the "Actions" column.

PRS Application Management - Presentation Server

Global parameters

Proxy Server	<input type="text"/>	None or IP address used for application connection
Proxy port	<input type="text"/> 0	Port number used for application connection
Proxy type	<input type="button"/> HTTP	
Proxy user name	<input type="text"/> admin	User name for proxy connection
Proxy password user	<input type="text"/> *****	Password for proxy connection
Proxy authentication method	<input type="button"/> BASIC	Authentication method used by proxy
PRS SSL Client Certificate	<input type="text"/>	CA (Certification Authority) path and file name known in behaviour by the PRS
PRS SSL Client Certificate Type	<input type="button"/> PEM	Path and file name of PRS client certificate
PRS SSL Client Key	<input type="text"/>	PRS client certificate format
PRS SSL Client Key type	<input type="button"/> PEM	Path and file name of private key associated to PRS client certificate
PRS SSL Client Key password	<input type="text"/>	Private key file format associated to PRS client certificate

Online Help

None or IP address used for application connection

Port number used for application connection

User name for proxy connection

Password for proxy connection

Authentication method used by proxy

CA (Certification Authority) path and file name known in behaviour by the PRS

Path and file name of PRS client certificate

PRS client certificate format

Path and file name of private key associated to PRS client certificate

Private key file format associated to PRS client certificate

Private key password associated to PRS client certificate

Create

Previous

Next

Finish

Click on "Next".

PRS Application Management - Presentation Server

Results

Index	Identifier	URL registration	Actions
1	MV_U	http://ica.newvideo.ch/iccnew/ingressmsg	
2	MV_A	http://ica.newvideo.ch/iccnew/ingressdata	
3	MV_P	http://ica.newvideo.ch/iccnew/ingressp	
4	MV_T	http://ica.newvideo.ch	

Online Help



Freebusy/voicemail framework

Index: 5 Identifier: http://<MobiCall Server>/nvxmlphone/sys/alcatel/register

Actions: Click on the picture to modify

Create Cancel Previous Next Print

Click on "Create" and complete the form by entering the following information:

- Index (*must be a free application index number*)
- Identifier:

NV_A

- URL registration:

http://<MobiCall Server>/nvxmlphone/sys/alcatel/register

- Registration URL param (*keep default value*):
(empty)

- Register Scan Period / Config Scan Period (*same value for both fields, keep default value*):

60

- Notification Scan Period (*defines responsiveness to alarms, smaller values means faster reaction but also more load to the Mobicall server*):

10

- HTTP time out (*keep default value*):

120

- State synchro all period (*keep default value*):

86400

- State delta period (*keep default value*):

10

- Inactivity timeout (*keep default value*):

300

- Pop Up Time Out (*keep default value*):

60

- Keep Alive Count max (*keep default value*):

5

- User authentication / password authentication (*same value for both fields, keep default value*):
(empty)

- User method authentication (*keep default value*):

BASIC

Administration

Help

PRIS Application create - Presentation Server

Application parameters

Index	5
Identifier	NV_A
URL registration	http://<MobiCall Server>/nvxmlphone/sys/alcatel/register
Registration URL param	
Register Scan Period	60
Config Scan Period	60
Notification Scan Period	5
HTTP time out	120
State synchro all period	86400
State delta period	10
Inactivity timeout	300
Pop Up Time Out	60
Keep Alive Count max	5
User authentication	
password authentication	
User method authentication	BASIC

Online Help

HTTP request re-iteration period towards the URL register in the event of non-response (in seconds)
HTTP request re-iteration period towards the URL config in the event of non-response (in seconds)
Request recovery period for notification (in seconds)
Period at the end of which HTTP request is abandoned (in seconds)
HTTP request re-iteration period of all PRIS stations abiding towards the application (in seconds)
Minimum duration between two requests concerning the stations abiding (in seconds)
Inactivity timeout of a request (in seconds before declaring it abandoned (in seconds)
Min. default duration of a pop-up notification (in seconds)
Number of requests towards the URL config list before declaring the application out of service (in seconds)
User name authentication at time of connection to the application
Password authentication at time of connection to the application
Authentication method at time of connection to the application

Create Cancel

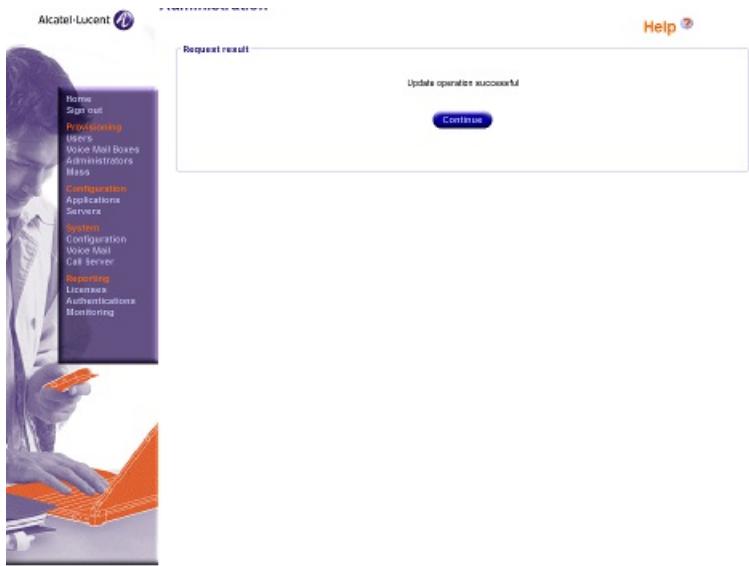
Click on "Create".

Click on "Next".

Click on "Next".

Click on "Finish".

Administration



Click on "Continue".

The Alcatel Presentation server will now start communicating with the MobiCall server. This can be verified by having a look into the Apache access log file "`nvwsrv_web7_access_YYYYMMDD.log`" on the MobiCall server.

3. Testing the New Voice XML Phone Application

3.1 Accessing the Phone Alarm List

3.2 Executing an XML Phone Text Alarm

3.3 Executing an XML Phone Image Alarm

3.4 Executing an XML Phone Camera Alarm

3.4 Executing an XML Phone Application Alarm

This alarm type is currently not supported