How to Import Contact List to Central Directory

Contents

Document History

Revision	Author	Issue Date	Comments
0.1	MYA	20-Jun-2010	Initial Version
0.2	JMG	08-Mar-2012	Central Directory updates
0.22	JMG	13-Mar-2012	Step error corrected, xml examples added
0.23	JMG	15-Aug-2012	Login and contact list stucture update
0.24	KME	01-Oct-2012	Limitations described
0.25	IFJ	03-Dec-2012	Central Directory updates

Introduction: Contact List in Central Directory

In this document, we describe how to create contact list, download the list to a specific or groups of Base stations and also explain the contact list settings on the SME VoIP configuration Interface.

A Contact list is a collection of names or dictionary of contacts that is usually hosted by the base station(s) so registered handsets can have access them provided they are within the base station coverage area.

It should be noted, that it is possible to create customized contact list on individual handset which is independent from the one uploaded to the base station(s) (that is described fully in a different document).

Terms & Abbreviations

For the purpose of this document, the following abbreviations hold:

DHCP: Dynamic Host Configuration Protocol
DNS: Domain Name Server
HTTP: Hyper Text Transfer Protocol
IOS: Internetworking Operating System
NAT: Network Address Translator
PCMA: A-law Pulse Code Modulation
PCMU: mu-law Pulse Code Modulation
SME: Small and Medium scale Enterprise
STUN: Session Traversal Utilities for NAT

References
[1]:   Multi-cell Setup Description V0.5
[2]:   Base & Handset Firmware Update Description V0.4
[3]:   -

Login: SME Configuration Interface

STEP 1 Connect the Base station to a private network via standard Ethernet cable (CAT-5).

STEP 2 Use the IP find menu in the handset (Menu * 4 7 *) to determine the IP-address of the base station by matching the MAC address on the back of the base station with the MAC address list in the handset.

STEP 3 Type the IP-address into a web browser, on a PC connected to the same subnet as the base station.

STEP 4 On the Login page, enter your authenticating credentials (i.e. username and password is default "admin"). Click **OK** button.

STEP 5 Once you have authenticated, the browser will display front end of the SME Configuration Interface. The front end will show relevant information of the base station.

Central Directory Contact List Structure

The structure of Contact List is simple. The figure below shows an example of structure of Contact List in Text format and in Xml format. ***Contact name must not contain more than 23 characters and contact number must not contain more than 21 digits.***

.csv or **.txt**

```
File  Edit  Format  View  Help

Dennis Iversen,+4596322382
Torsten Krogh Elgaard,2381
Rune Thor Jensen,2445
Maija-Liisa Knudsen,2377
Jesper Jensen,2346
Kristian Kjaer,2447
Gitte Dyhr Petersen,2470
Sukesh Reddy,2749
Morten Fredegod,4726
Annemarie Dahl,2861
Hans Back,2721
Henrik Olsen,2733
Jens Martin Jensen,2782
Kenneth Skiveren,2363
Lars Christensen (RTX),2433
```

.xml

```
File  Edit  Format  View  Help

<IPPhoneDirectory>
<DirectoryEntry>
<Name>Mark Ross</Name>
<Telephone>100</Telephone>
<Office>+450123456789</Office>
<Mobile>+451123456789</Mobile>
<Fax>+452123456789</Fax>
</DirectoryEntry>
</IPPhoneDirectory>
```

Txt file limitations:
- **Contact name must NOT be longer than 23 characters (name will be truncated)**
- **Contact name must NOT contain ","**
- **Contact number must be limited to 21 digits (entry will be discarded, no warning)**
- **Contact number digits must be: +0123456789**
- **Contact number does not support SIP-URI**
- **Spaces between name section "," and number section is not supported**
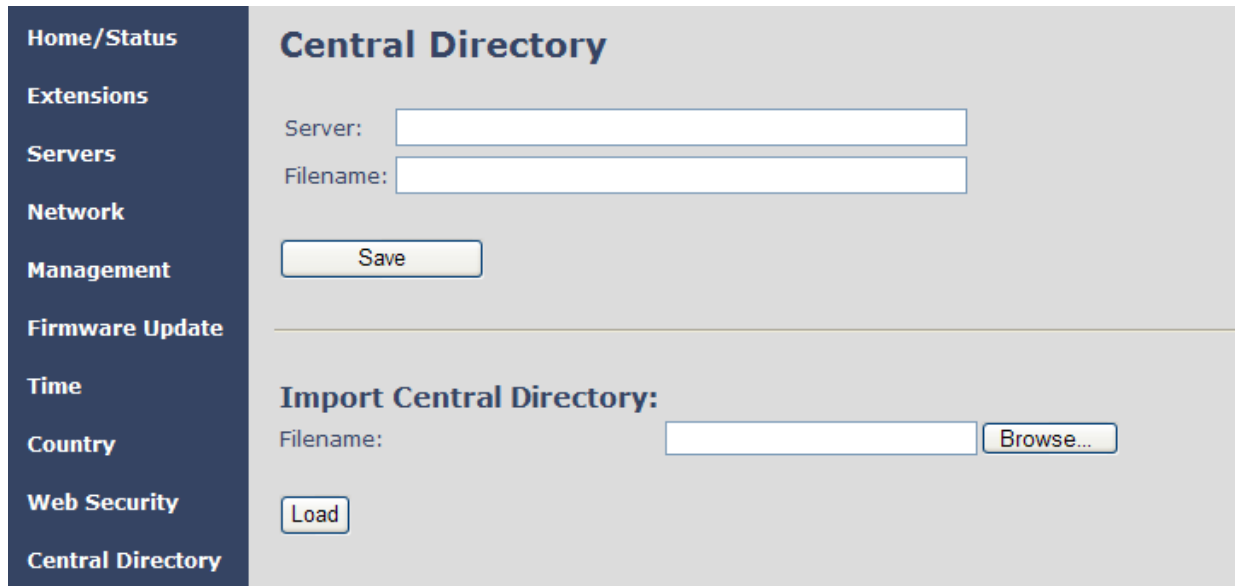
Central Directory Contact List Filename Format

The Contact list is saved as file format: **.txt .csv** or **.xml**

# Central Directory (Contact List) Interface

STEP 6 On the **SME VoIP Configuration** Interface > scroll down and on the left column, click on **Central Directory** url link.

Import Contact List to Central Directory

STEP 7 On the **Central Directory** page, the admin should click on **Browse** button and the **Choose File to Load** dialog window will be shown.

STEP 8 On the **Choose File to Upload** dialog window, navigate to the directory or folder that contains the right file to be imported to the base station > Click on **Open** button.
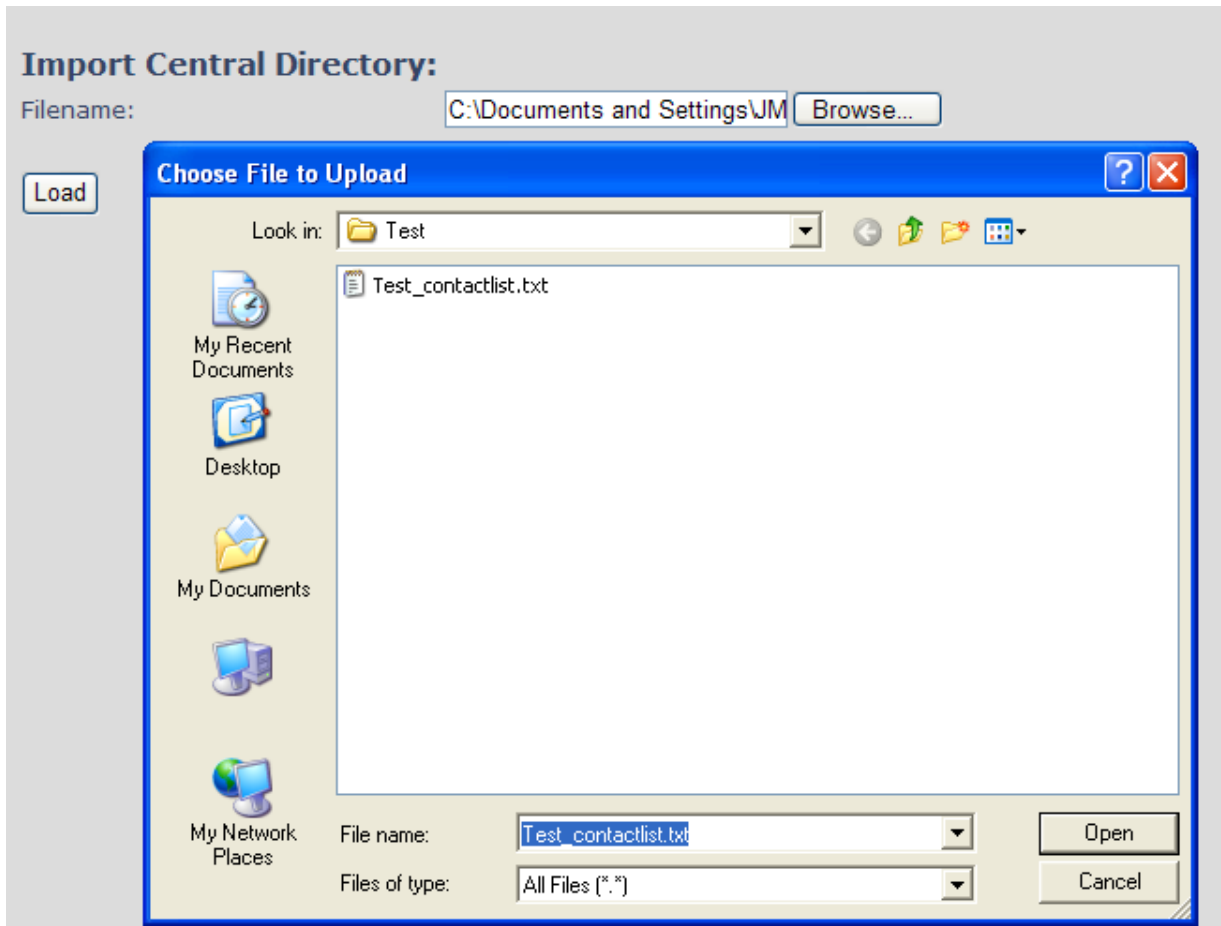
Next, click on the **Load** button. This will import the contents of contacts in the selected file into the relevant Base station.
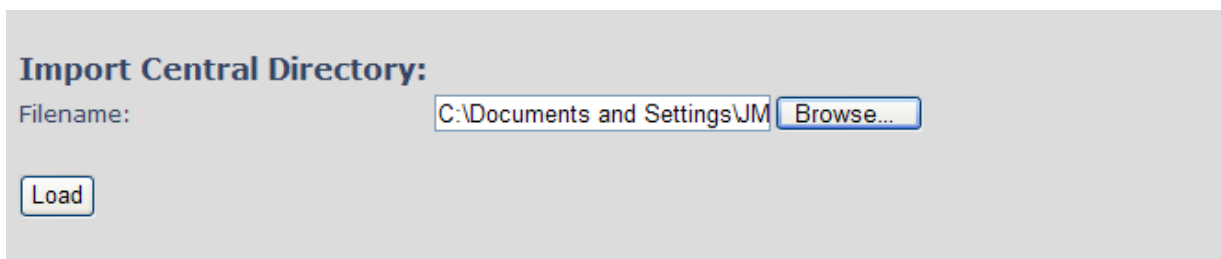
The figure below shows the import procedure is in process.

The parameters are successfully saved
*You will be redirected after 3 seconds*
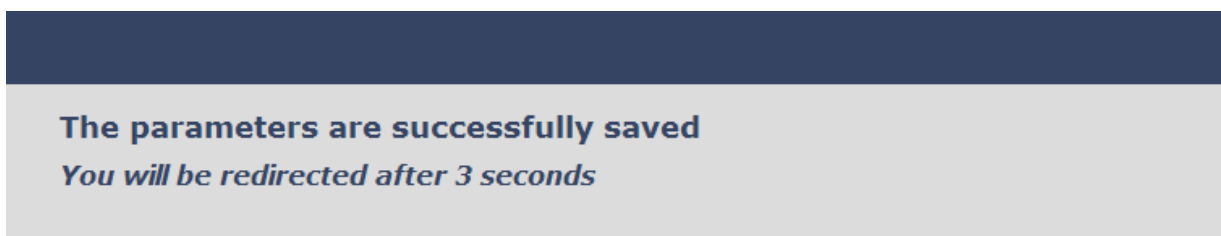
Alternative way to import a Contact List is to get it from a server. First click on Management url to get Management Settings page, then select the protocol of your server (TFTP/HTTP) in Management Transfer Protocol, then save the setting by clicking Save.

Management Transfer Protocol:	TFTP
HTTP Management upload script:	TFTP
	HTTP
HTTP Management password:	

Go back to Central Directory page and enter Server IP address (inclusive the path in the end of the address) and Filename of the contact list, then save the setting by clicking Save. (See example below).

Central Directory

Server: 10.1.24.101/fwu/IFJ_PB/

Filename: phoneBook.xml

Save

Then reboot the Base station to ensure that the changes take effect.

Verification of Contact List Import to Central Directory

On the Handset, navigate to Central Directory where the correct contact list should populate to the contacts uploaded to the Base station.