Grandstream Configuration File Generator User Guide For Version 1.2

1. Installation

1.1 JAVA SDK installation

Grandstream Configuration Tool is written in JAVA, so Java SDK is required for installation. Please use the following command to install JAVA:

1. Download J2SE SDK (or JRE) RPM in self-extracting file from http://java.sun.com/j2se/1.4.2/download.html. Save the file j2sdk 1_4_2_<version>-linux-i586-rpm.bin to /usr/local/src/JAVA.
2. Extract the contents of the downloaded file.
   chmod a+x j2sdk-1_4_2_<version>-linux-i586-rpm.bin
   ./j2sdk-1_4_2_<version>-linux-i586-rpm.bin
3. Become root by running the su command and entering the super-user password.
4. Run the rpm command to install the packages that comprise the Java 2 SDK.
   rpm -iv j2sdk-1_4_2_<version>-linux-i586.rpm
5. Delete the j2sdk-1_4_2_<version>-linux-i586-rpm.bin and j2sdk-1_4_2_<version>-linux-i586.rpm file
   rm j2sdk-1_4_2_<version>-linux-i586-rpm.bin j2sdk-1_4_2_<version>-linux-i586.rpm

1.2 Unpacking the packages

First unpack the package GS_CFG_GEN.tar.gz using the following command:

```
cd /usr/local/src/
gunzip < GS_CFG_GEN.tar.gz | tar –xvf –
```

1.3 Modify the environment variables and parameters for Configuration Generator

In the directory /usr/local/src/GS_CFG_GEN, edit “encode.sh” to point the following 2 lines to the right directory:

JAVA_HOME=/usr/java/j2sdk1.4.2_<version>
GAPSLITE_HOME=/usr/local/src/GS_CFG_GEN

NOTE:

- JAVA_HOME is where the java program is installed.

- GAPSLITE_HOME is the path to the Grandstream Configuration Generator directory.

2. Generating the configuration file for Grandstream client

To generate configuration file for a special client, do the following:

```
cd /usr/local/src/GS/GS_CFG_GEN/bin
./encode.sh 000b82000000 config cfg000b82000000
```

NOTE:

- 000b82000000 is the MAC address of the particular client that you want to generate the configuration for.

- config is the configuration template file name. The configuration template file contains ALL of our current configuration parameters just as in our client's web page. You need to edit this file to reflect the configuration settings of our client.

- File name "cfg000b82000000" is a fixed format for Grandstream Client and it should ONLY contain "cfg"+"MAC address". For Linux/Unix system, this file name must be in lower cases.

- The file name format will ONLY be effective with client boot code 1.0.0.14 and above.

Copy the generated configuration file for the client, in this case "cfg000b82000000" to the TFTP server root directory which by default is /tftproot.

```
cp cfg000b82000000 /tftproot/
```

3. Entries that should NOT be set

In general, you should NOT touch the end user network settings, because end user network settings are NOT controlled by VoIP service provider.

Following is a section from our configuration file template that comes with the package and it should be left as default settings.

NOTE:

- Our recommendation is to remove such section from the configuration template file.

Please also note that if your customers need to configure advanced settings, they will need to have access to the web page, which means you need to give the user your “P2” value.

```
#------------------------------------------------------------------------
# End User Settings
#------------------------------------------------------------------------

# End User Password
P196 = 123

# DHCP support. 0 - yes, 1 - no
P8 = 0

# PPPoE support. PPPoE user ID
P82 =

# PPPoE password
P83 =

# IP Address. Ignore if DHCP or PPPoE is used
P9 = 192
P10 = 168
P11 = 1
P12 = 160

# Subnet mask. Ignore if DHCP or PPPoE is used
P13 = 255
P14 = 255
P15 = 255
P16 = 0

# Router. Ignore if DHCP or PPPoE is used
P17 = 192
P18 = 168
P19 = 0
P20 = 1

# Use this DNS server.  (if specified).
P92 =
P93 =
P94 =
P95 =

# DNS 1. Ignore if DHCP or PPPoE is used
```

P21 =
P22 =
P23 =
P24 =

# DNS 2. Ignore if DHCP or PPPoE is used
P25 = 0
P26 = 0
P27 = 0
P28 = 0