

Grandstream Configuration File Generator User Guide

Rev 1.0

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:

Login to the LINUX server terminal and issue the following command:

```
>mkdir /usr/local/src/JAVA  
>cd /usr/local/src/JAVA
```

```
>wget http://192.18.97.221/ECom/EComTicketServlet/BEGINjsecom15.sun.com-113b%3A405541bc%3Ac390b67163aa9c35/-2147483648/316538055/1/444014/443810/316538055/2ts+/westCoastFSEND/j2sdk-1.4.2\_04-oth-JPR/j2sdk-1.4.2\_04-oth-JPR:4/j2sdk-1\_4\_2\_04-linux-i586-rpm.bin
```

NOTE: The last command is a one line command.

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_04  
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/GAPSLITE/bin  
>./encode.sh 000b82000000 config cfg000b82000000
```

NOTE:

1) 000b82000000 is the MAC address of the particular client that you want to generate the configuration for.

2) 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.

3) File name "cfg000b82000000" is a fixed format for Grandstream Client and it should ONLY contain "cfg"+"MAC address".

4) 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 /tftpboot.

```
>cp cfg000b82000000 /tftpboot/
```

3. Entries That Should NOT Be Set by Service Providers

In general, the end user network settings are NOT controlled by VoIP service provider, so they should not be touched by Voice Service Providers.

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

```
#-----  
# 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