AG-188N Auto-Provisioning guide:

1. Auto update via FTP/TFTP/HTTP server:

AG-188N gateway support FTP/TFTP/HTTP auto update. The gateway will auto obtain the configure file from your update server if configured. Below it the way to set up the auto-provisioning function of AG-188N:

Step1:   Back up the configure file.

Go to the "Config Manager-->Back up config" and right click to save the confile file to your local machine. This file will be the original file used in the Auto-provision.

Step2:   Edit the configure file.

The <<VOIP CONFIG FILE>>Version:2.xxxx is the version number of your configure file. In the auto-provisioning process, the AG-188N will see if the server has a higher version and whether to process the update. For example, if the AG-188N has the local version number 2.0001, if the provisioning server has the version 2.0002, then the AG-188N will download the configure file from server and process update.

Generally, we only need to edit the SIP account information in large distribution. The related section in the configure file is:

<SIP CONFIG MODULE>

IP1 Phone Number   :24   // your Sip account's phone number

SIP1 Register Addr :192.168.1.207   // your Sip server address

SIP1 Register Port :5060   //register port

SIP1 Register User :24   // Sip account user name

SIP1 Register Pwd   :24   // Sip account password

SIP1 Register TTL   :60   // expire time. leave it as default

SIP1 Enable Reg   :1   // enable register

SIP1 Proxy Addr   :192.168.1.207   // your Sip proxy address, same as SIP server if none.

SIP1 Proxy Port   :5060

SIP1 Proxy User   :24   // Sip account user name, use same info as sip server if none

SIP1 Proxy Pwd   :24   // Sip account password, use same info as sip server if none

Notice: You need to remove the <AUTOUPDATE CONFIG MODULE> in this file. So the auto-provision parameter will maintain the same after every update.

Save and rename the configure file after the modification.

Step 3:   encrypt your configure file.

Set your encrypt key: generate a new file key.txt and put a 64bit hexadecimal string in this file.

Put the key.txt and configure file in the d: directory. Use the **dsc** tool to encrypt the configure file:

In the dos mode, run

   dsc d:\key.txt e d:\config.txt newconfig.txt

The newconfig.txt file is the encrypted file, so it is safe to transfer it via Internet now.

Step4:   put the newconfig.txt file in your TFTP/FTP server root

Step5:   set auto-provisioning parameters.

Current Version: the system will display the current version number 。

Server Address: FTP/TFTP server address

Username: FTP server user name

Password: FTP server password

Config File Name: The name of configuration file

Config Encrypt Key: The encrypt key.

Protocol Type: The protocol type that used for upgrading

Update Interval Time: The interval time that the terminals search for new configuration file.

Update Mode: auto provision mode; Disable: not auto update，Update after reboot:auto update after reboot，Update at time interval: auto update after a certain time
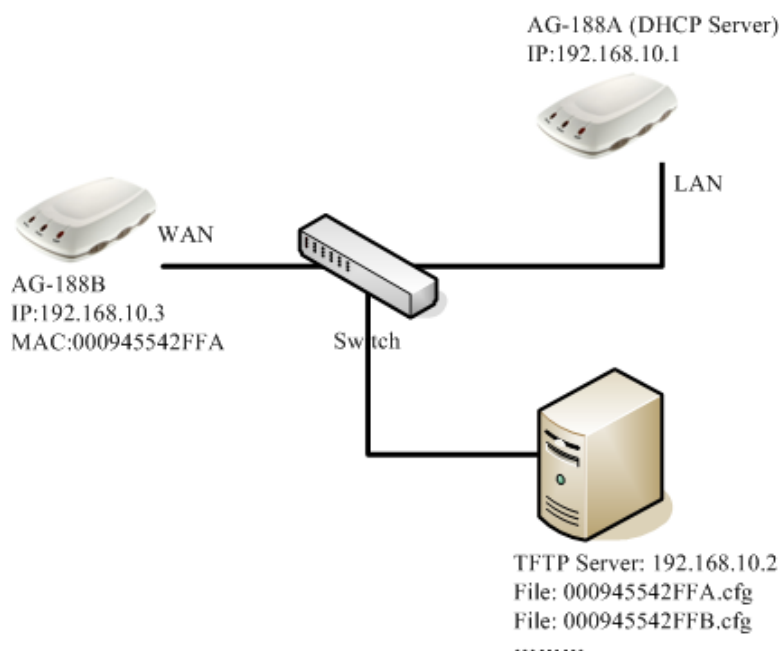
If you leave the "Config File Name" filed blank. Then the device will search the file named with the same name as your MAC address. For example, if your device MAC address is 00:09:45:45:56:2a. It will look for the file "00:09:45:45:56:2a" in your server.

2. DHCP Server automatically upgrading manual

The main purpose of this function is for the manufacturers to update the devices with large scale. They can easily update many devices by only changing the DHCP client. This feature will be available for the version after Feb 2007.

To use the DHCP auto-provisioning function, you need an extra AG-188N as a DHCP server.

Please refer below for the structure:

In the AG-188N device A, you need to set the TFTP server address, and the update mode. In the

DHCP auto-provisioning, you can update the firmware or the configure file.

Update configure file:

Step1:   Back up the configure file.

Go to the "Config Manager-->Back up config" and right click to save the confile file to your local machine. This file will be the original file used in the Auto-provision.

Step2:   Edit the configure file.

Generally, we only need to edit the SIP account information in large distribution. The related section in the configure file is:

<SIP CONFIG MODULE>

IP1 Phone Number   :24   // your Sip account's phone number

SIP1 Register Addr :192.168.1.207   // your Sip server address

SIP1 Register Port :5060   //register port

SIP1 Register User :24   // Sip account user name

SIP1 Register Pwd   :24   // Sip account password

SIP1 Register TTL   :60   // expire time. leave it as default

SIP1 Enable Reg   :1   // enable register

SIP1 Proxy Addr   :192.168.1.207   // your Sip proxy address, same as SIP server if none.

SIP1 Proxy Port   :5060

SIP1 Proxy User   :24   // Sip account user name, use same info as sip server if none

SIP1 Proxy Pwd   :24   // Sip account password, use same info as sip server if none

Notice: You need to remove the <AUTOUPDATE CONFIG MODULE> in this file. So the auto-provision parameter will maintain the same after every update.

Save and rename the configure file after the modification.

Step3: Set up TFTP server and put the configure files to the server

Step4: Set the DHCP auto-provisioning parameters.

Connect the AG-188NA's LAN port to the switch and put the TFTP server address (192.168.10.2) in the AG-188NA and set the update mode to update configure file

Step5: plug the AG-188NB's WAN port to the switch

AG-188NB will auto get the IP address from AG-188NA as well as the TFTP server address, then the AG-188NB will connect the TFTP server for the configure file and process update.

Config the IP address of TFTP server., the instructions is as below

1．choose the update mode to be update config file

2．fill in the TFTP server address 192.168.11.254

3．Change the LAN port of DHCP server to be 192.168.11.1 , because the device for updating is the same one as DHCP server , to avoid problem in assigning the IP address, we need to change the IP address. Delete IP rent table of current DHCP server , save and restart

4．Start the TFTP server, the IP address should be the one we configed 192.168.11.254 when prepare the configuration file for updating. You must use the MAC address of the device for the name of configuration file. For example Mac address of the device is 00:02:05:03:06:0d, the config file's name should be 00020503060d.cfg . And you must change the version number of the file larger than the current version in the device. If not , the device will repeat the updating.

If you want to update firmware , the name of the firmware should be 000000000000.img, but not the *.dlf or *.z

When you update configuration file, you need to make the as many files as your need,