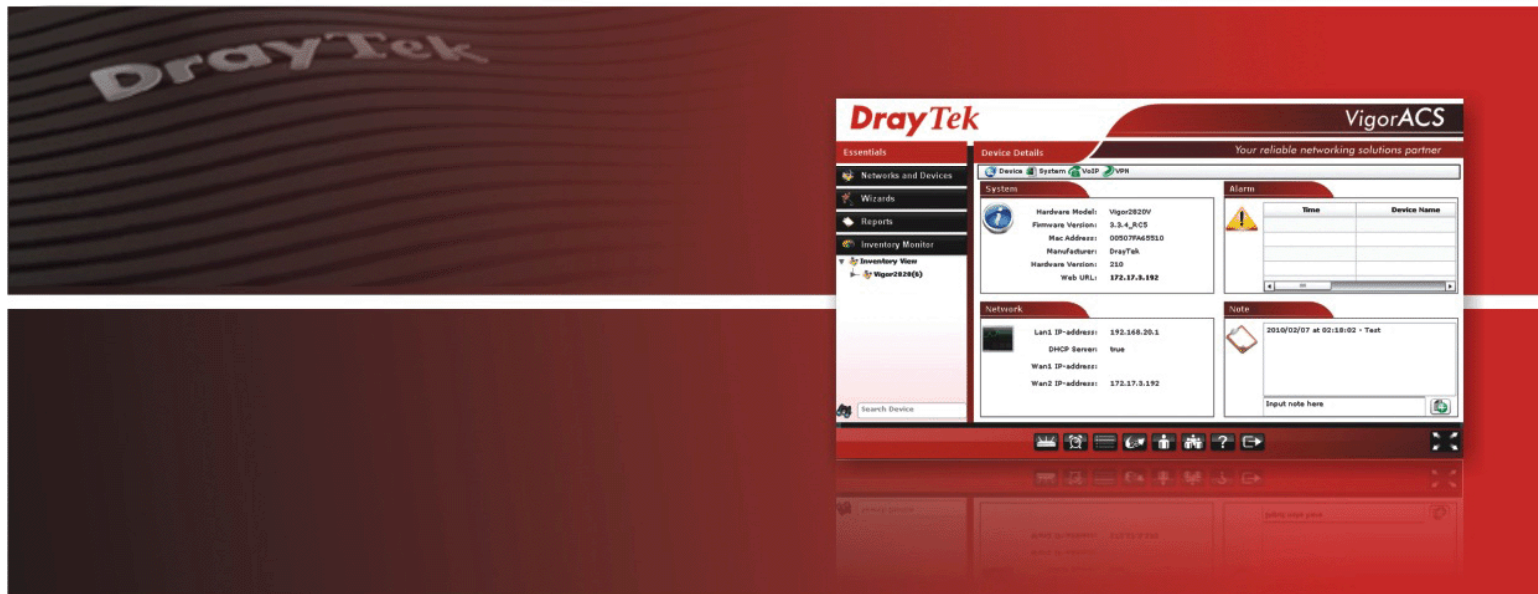




# VigorACS SI

Centralized Management System



*Your reliable networking solutions partner*

## User's Guide

**V1.1**



# **Auto Configuration Server SI User's Guide**

**Version: 1.1**

**Date: 14/06/2010**

**Software Version: 1.0.2**

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Please read the license screen in the installation wizard. You must accept the terms of the license in order to install VigorACS SI.



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# Part I Introduction



# Chapter 1 Introduction

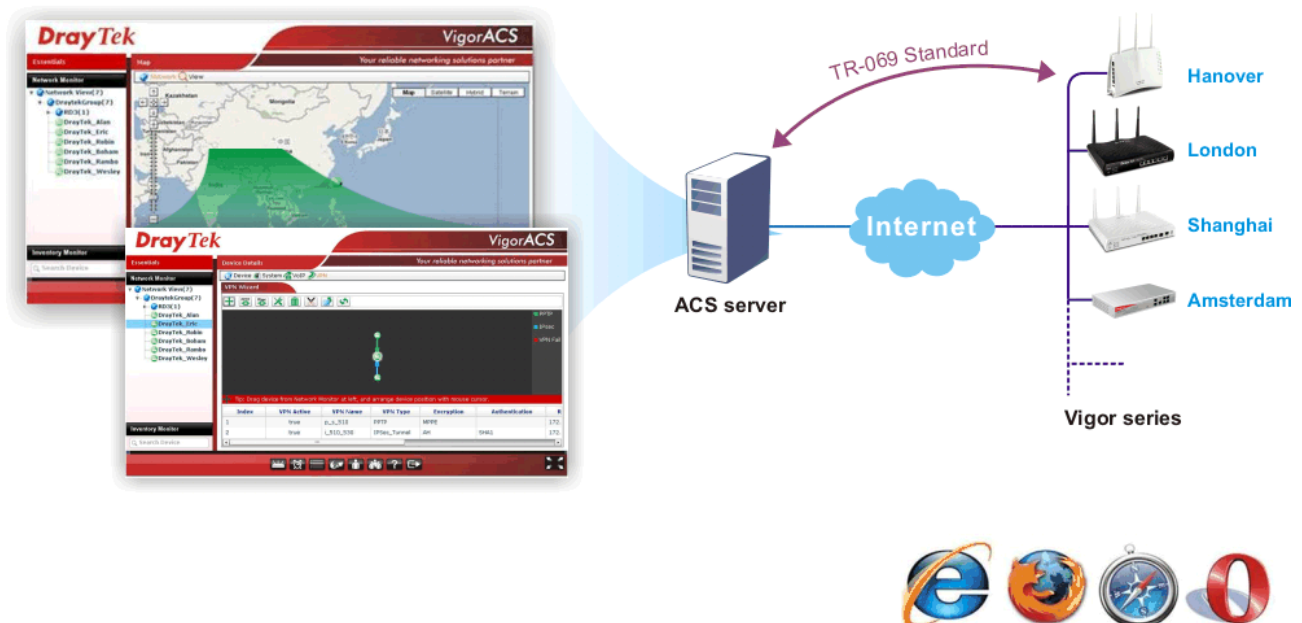
VigorACS is a software which provides centralized device management for TR-069 based CPEs such as broadband gateway, XDSL router, VoIP gateway and wireless AP. VigorACS has device status, monitor status of devices, or perform scheduling tasks such as firmware upgrade, configuration backup/restore and parameter profile for mass deployment of CPE devices. It is easy to use through intuitive Web-based GUI with security management. VigorACS can be installed on different kinds of platform e.g., Windows, Linux and so on.

## 1.1 Main Features and Benefit

- Manage all kinds of devices complied with TR-069 specification.
- VigorACS server can be installed in Windows and Linux.
- Intuitive Web-based GUI can be executed on all browsers like IE, Firefox, Mozilla and so on.
- Support scheduling firmware upgrade, configuration backup/restore and parameter profile deployment.
- Support auto-discovery to survey all TR-069 devices.
- Provide device inform management.
- Support security management

## 1.2 System Architecture

The following figure shows an overview for the application between VigorACS and CPE devices. With TR-069 protocol, VigorACS SI can communicate and manage devices with ease.



## 1.3 Web Service

Web service is a software system identified by a URI, whose public interfaces and bindings are defined and described using XML. Its definition can be discovered by other software systems. These systems may then interact with the Web service in a manner prescribed by its definition, using XML based messages conveyed by internet protocols.

The basis for Web Services contains: XML, WSDL (Web Services Description Language) , SOAP (Simple Object Access Protocol), UDDI(Universal Description, Discovery and Integration). The procedure for the structure of bottom layer: transform Web Service information into XML file format, use WSDL statement to describe the objects for service. The remote end can get required information through such description. It carries out transformation job to search or register from UDDI by means of SOAP communication bottom layer.

- For the designers of Java program: you can write java program to control VigorACS. Also, VigorACS will offer some API for you to write and call it. For example, you can get all the connected CPE devices controlled VigorACS through web service.

Corresponding files are placed in - ***WebServices\_TR069API.zip***

The documentation for web services api is placed in - ***WebServices\_TR069API/doc/***

Sample program is placed in -

***WebServices\_TR069API/example/src/tw/com/draytek/acs/test/TestMain.java***

For the designers with other program language: you can define WSDL to control VigorACS through SOAP(Simple Object Access Protocol)

# Chapter 2 Installation

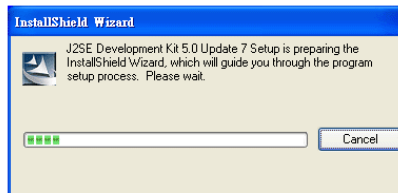
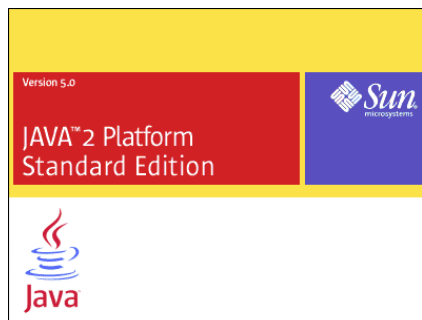
Please follow the procedure listed below to install VigorACS completely. The installation for different platforms might be different.

## 2.1 Platform for Windows 2000, XP or Vista

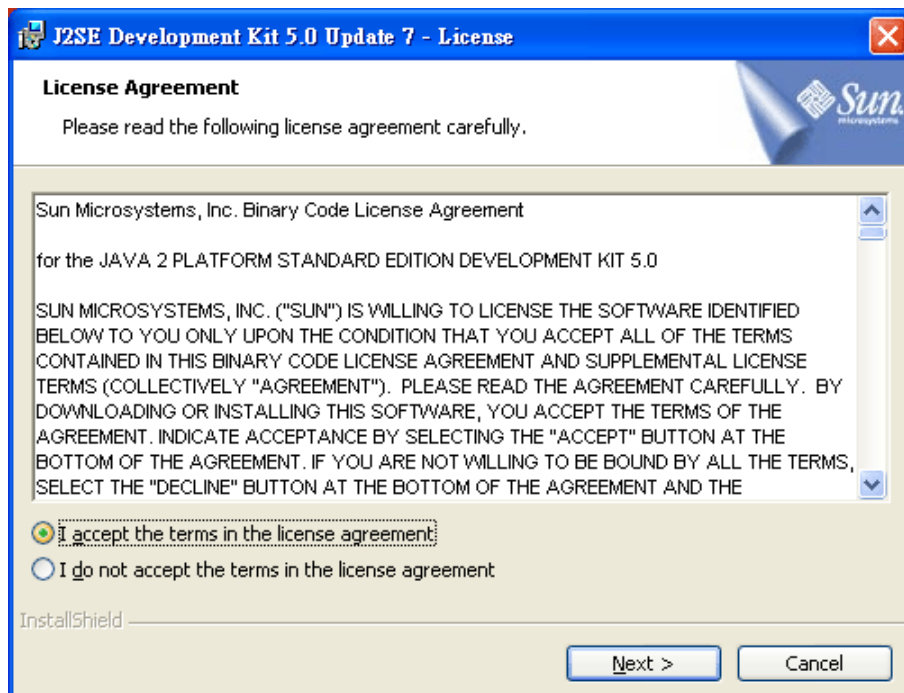
There are three programs needed to be installed for operating VigorACS.

### 2.1.1 Installation for Java

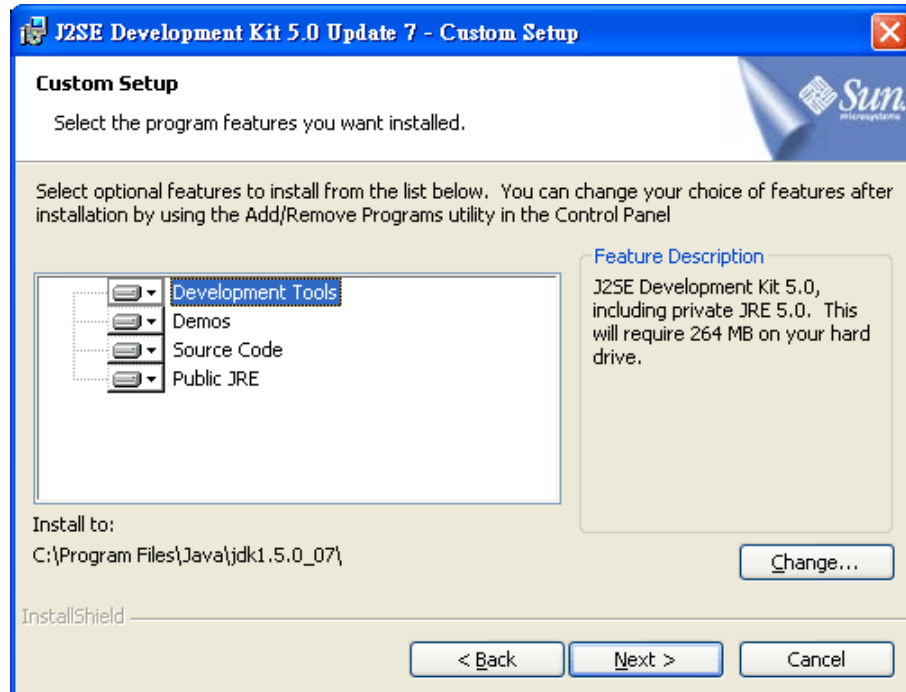
1. Locate ACS\Software\jdk-1\_5\_0\_07-windows-i586-p.exe from CD and double click on it to execute the installation.



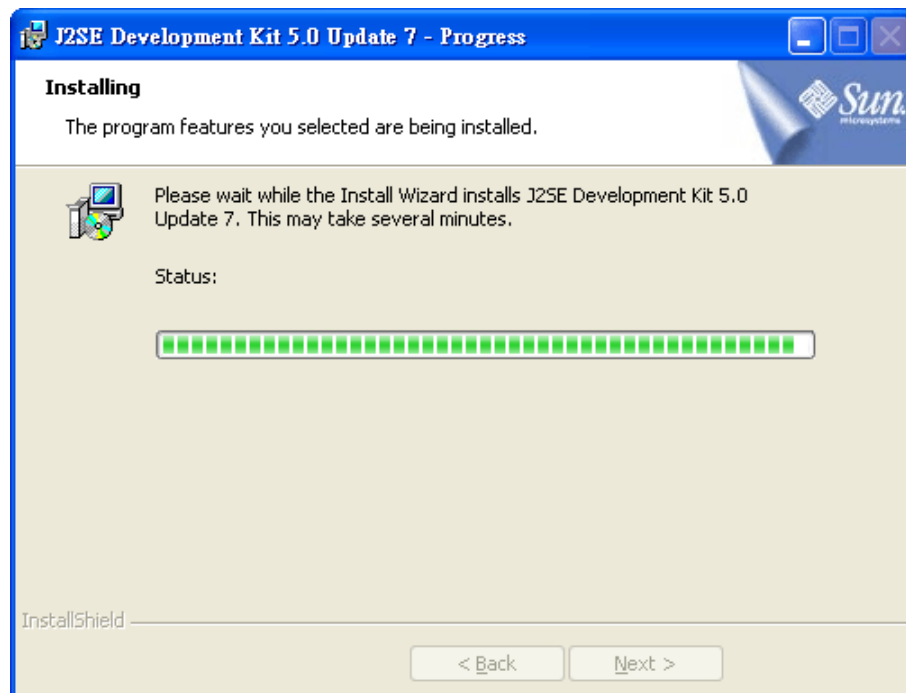
2. A license agreement dialog box will appear. Choose **“I accept the ...”** and click **Next**.



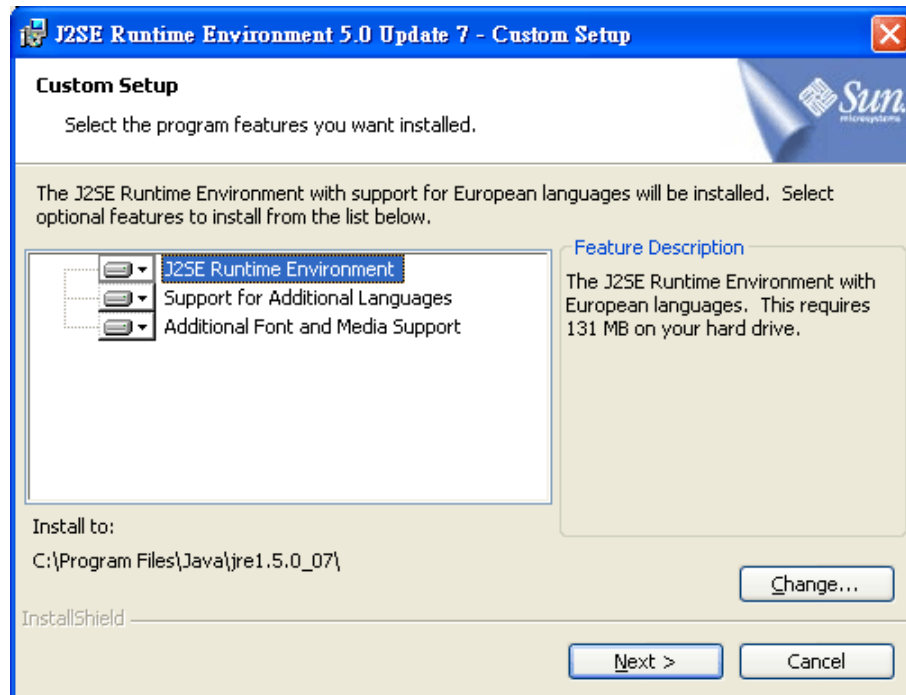
3. In this dialog box, optional features will be listed for you to choose for installation. Choose the one you need and click **Next**.



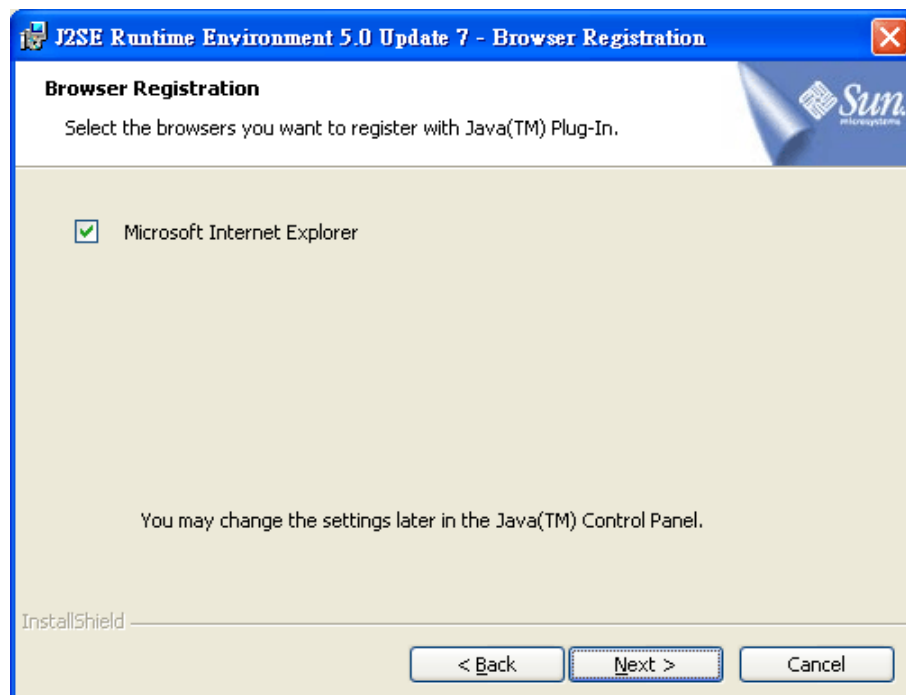
4. Wait for a while to install the selected feature.



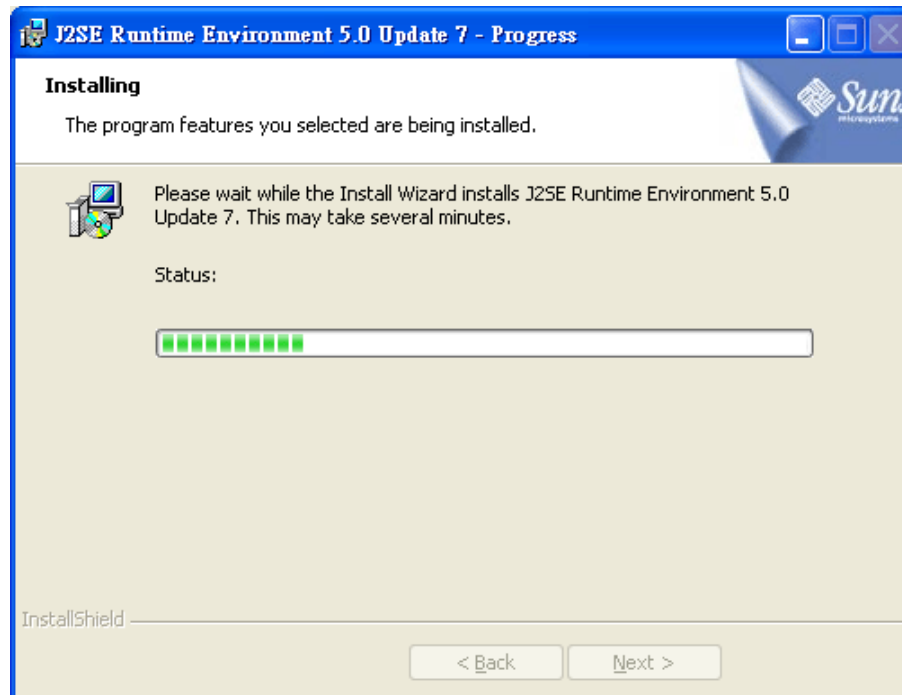
5. When this dialog box appears, please click **Next**.



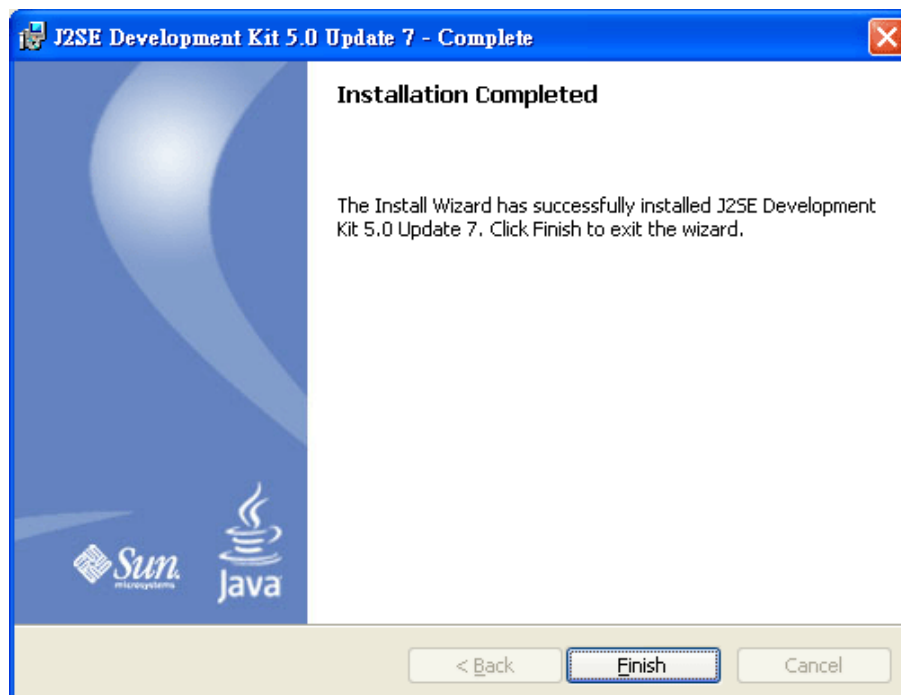
6. You have to choose the browser for configuring VigorACS later, and then click **Next**.



7. Wait for a while to install the required features.



8. Now the installation is completed. Click **Finish** to exit the installing program.





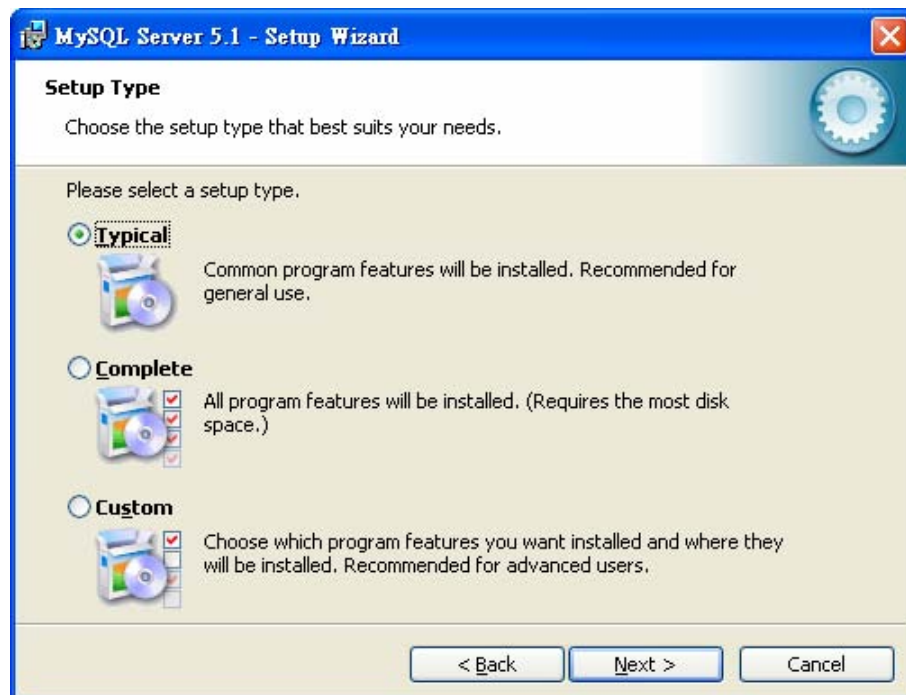
## 2.1.2 Installation for MySQL

Follow the steps below to install MySQL.

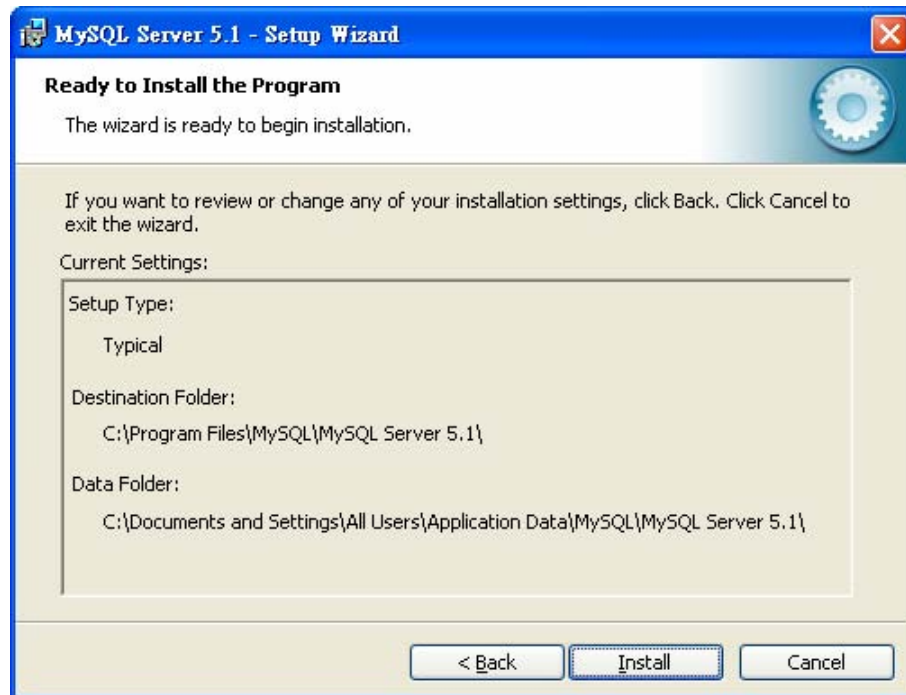
1. Locate ACS\Software\mysql-5.1.41-win32\Setup.exe from CD and double click on it to execute the installation.
2. When the welcome screen appears, please click **Next** for next step.



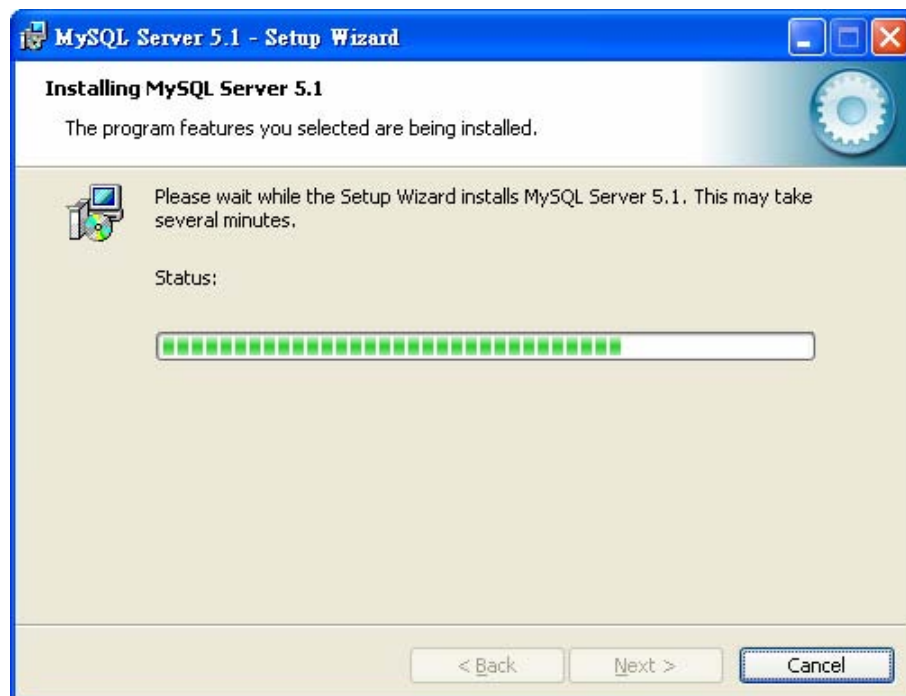
3. On this dialog box, choose the type of setup you want and click **Next**.



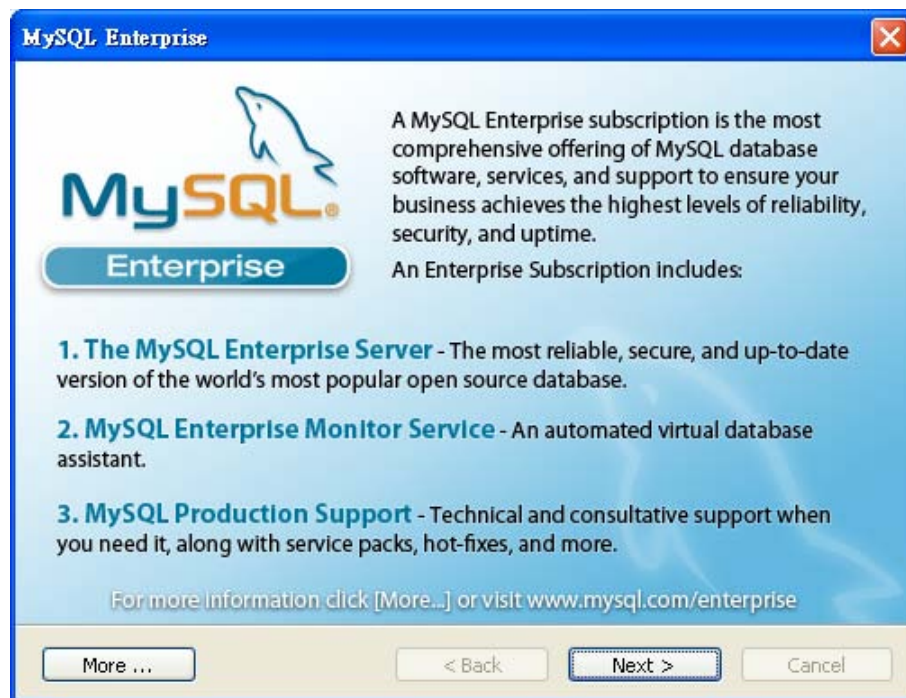
4. On this dialog box, click **Install**.



5. The installation program starts to install required files for MySQL to your computer. Wait for several seconds.



6. When the following screen appear, please click **Next**.



7. Click **Next** again.



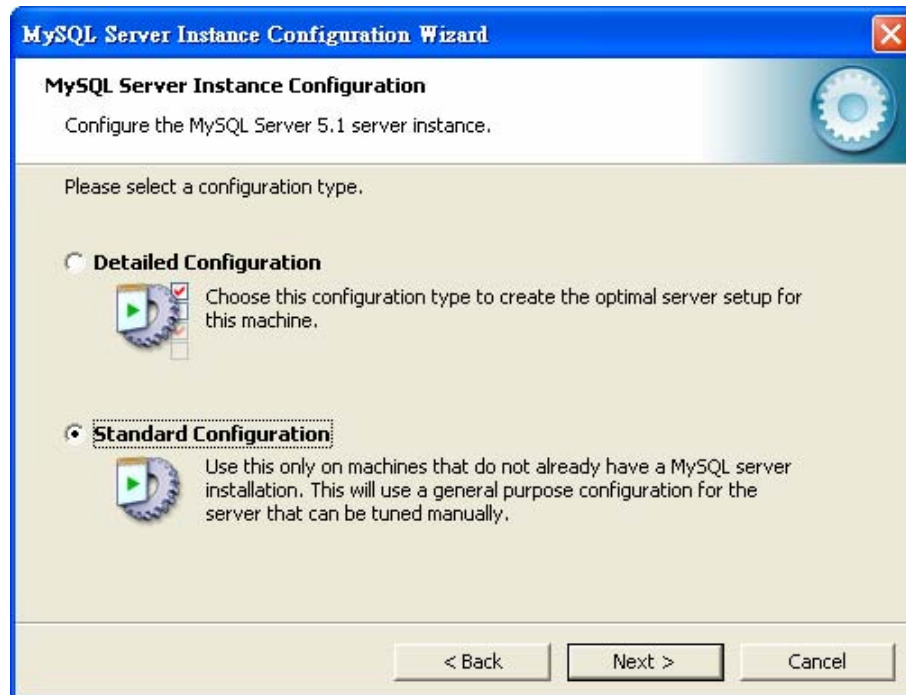
8. When the program finishes the installation, the following dialog box will appear. Please click **Finish** to exit the program.



9. When the following page appears, click **Next**.



10. Choose **Standard Configuration** and click **Next**.

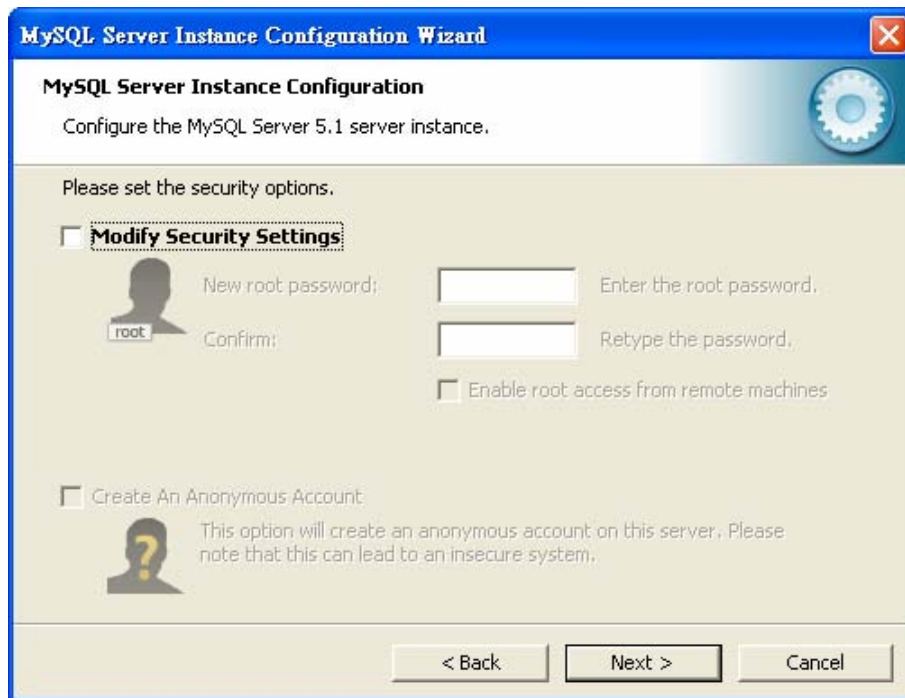


11. In this page, simply click **Next**.



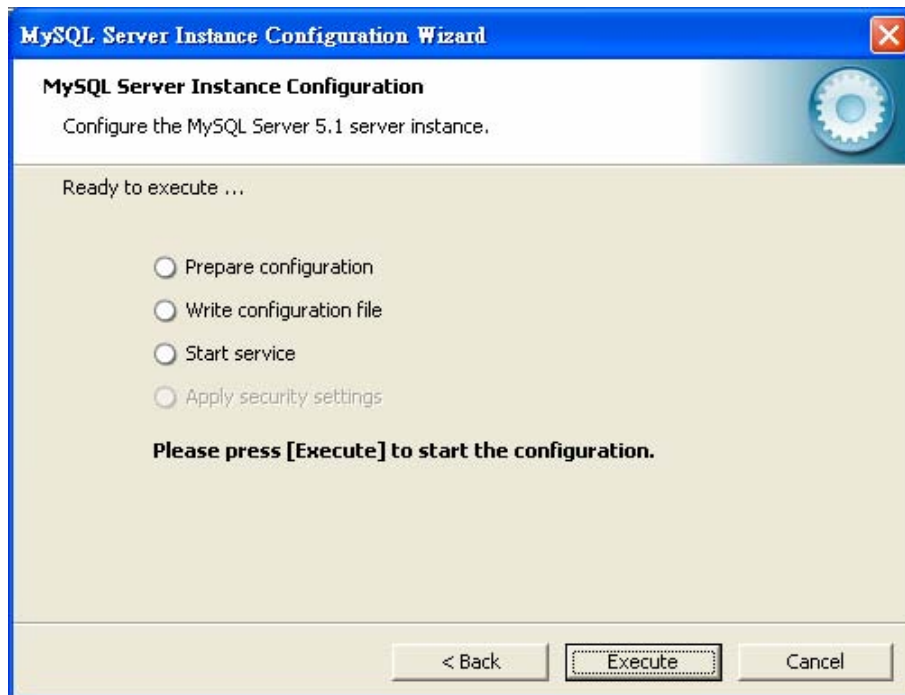


12. If you want to configure password for MySQL server, please check **Modify Security Settings** and type the password. It depends on your request. Otherwise, simply click **Next**.



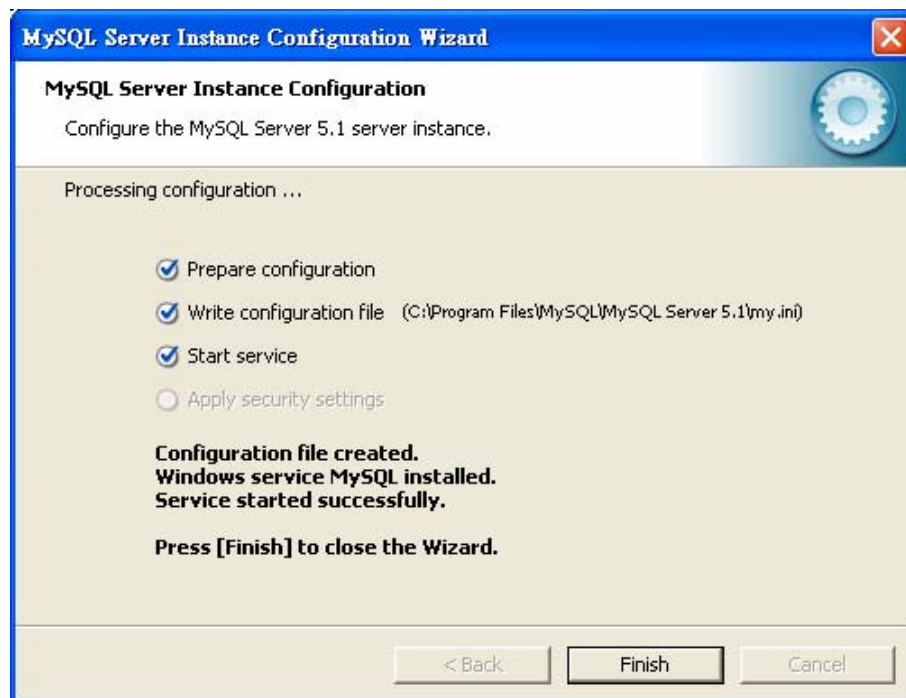
The screenshot shows the 'MySQL Server Instance Configuration Wizard' window. The title bar says 'MySQL Server Instance Configuration Wizard'. The main title is 'MySQL Server Instance Configuration' and the subtitle is 'Configure the MySQL Server 5.1 server instance.' Below this, it says 'Please set the security options.' There are two checkboxes: 'Modify Security Settings' (which is checked) and 'Create An Anonymous Account' (which is unchecked). Under 'Modify Security Settings', there are two text boxes for 'New root password:' and 'Confirm:', each with a placeholder text 'Enter the root password.' and 'Retype the password.' respectively. There is also a checkbox for 'Enable root access from remote machines'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

13. Then, click **Execute**.



The screenshot shows the 'MySQL Server Instance Configuration Wizard' window. The title bar says 'MySQL Server Instance Configuration Wizard'. The main title is 'MySQL Server Instance Configuration' and the subtitle is 'Configure the MySQL Server 5.1 server instance.' Below this, it says 'Ready to execute ...'. There are four radio buttons: 'Prepare configuration', 'Write configuration file', 'Start service', and 'Apply security settings'. Below these, it says 'Please press [Execute] to start the configuration.' At the bottom, there are three buttons: '< Back', 'Execute', and 'Cancel'.

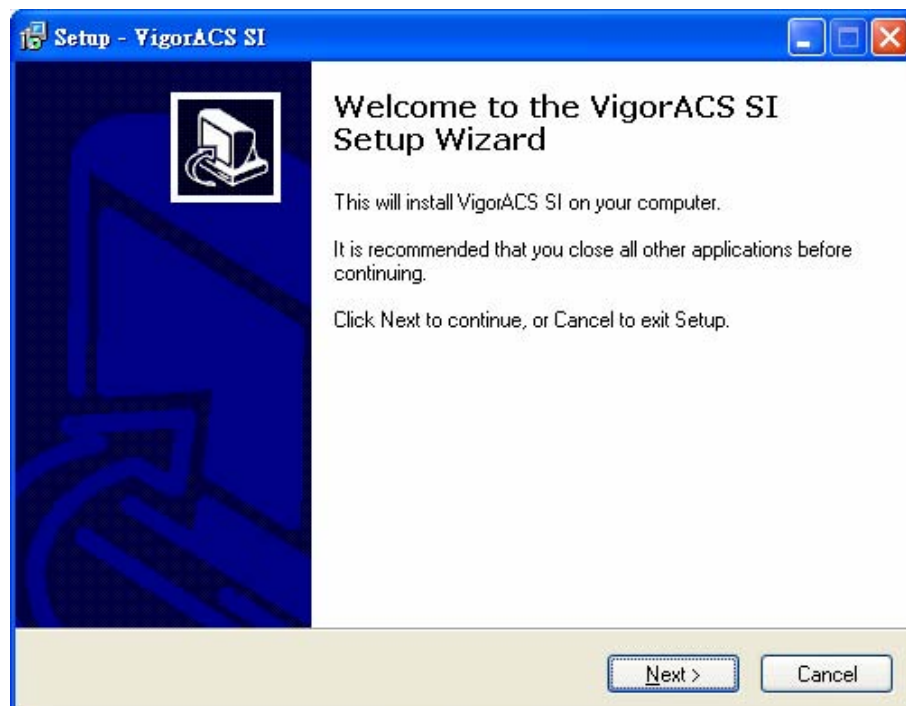
14. After finishing the configuration, please click Finish to exit the wizard.



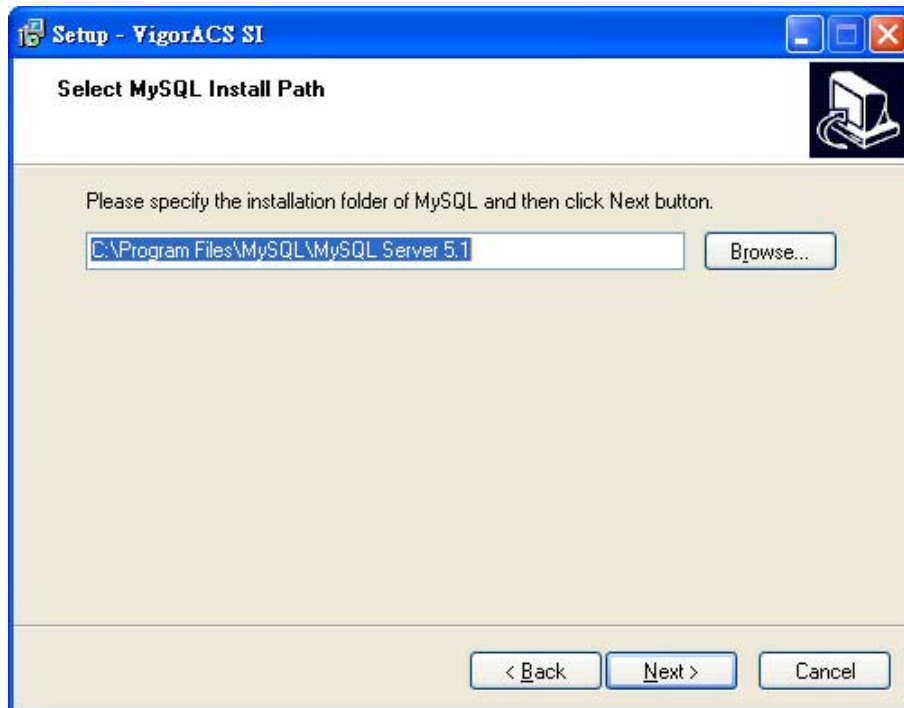
### 2.1.3 Installation for VigorACS SI

It is time to install VigorACS main program. Follow the steps below.

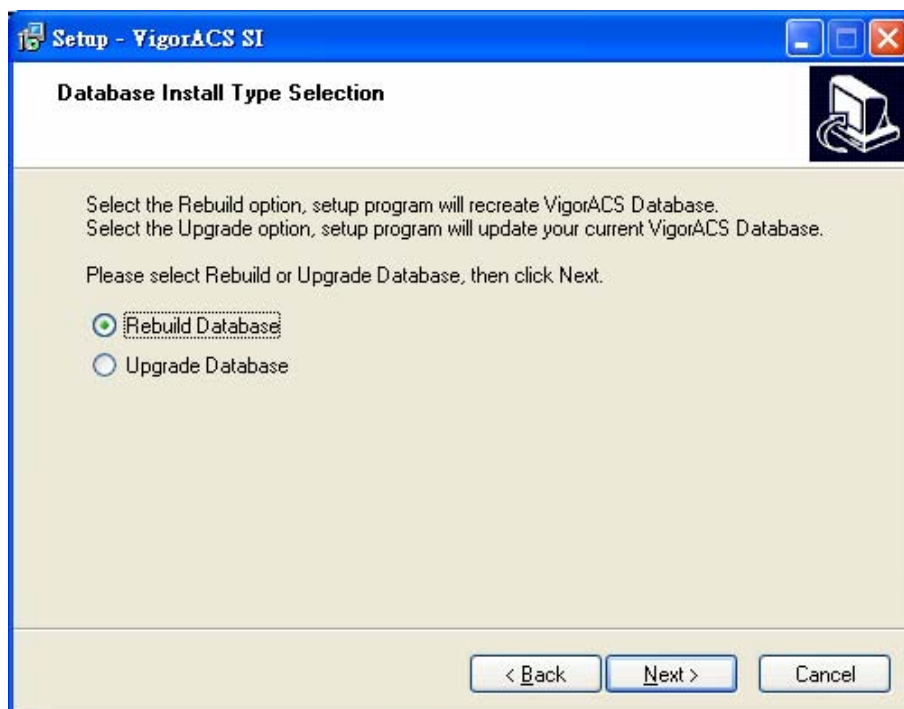
1. Locate ACS\ACS\setup.exe from CD and double click on it to execute the installation.



2. Select the directory that MySQL being installed (done in 2.1.2) and click **Next**

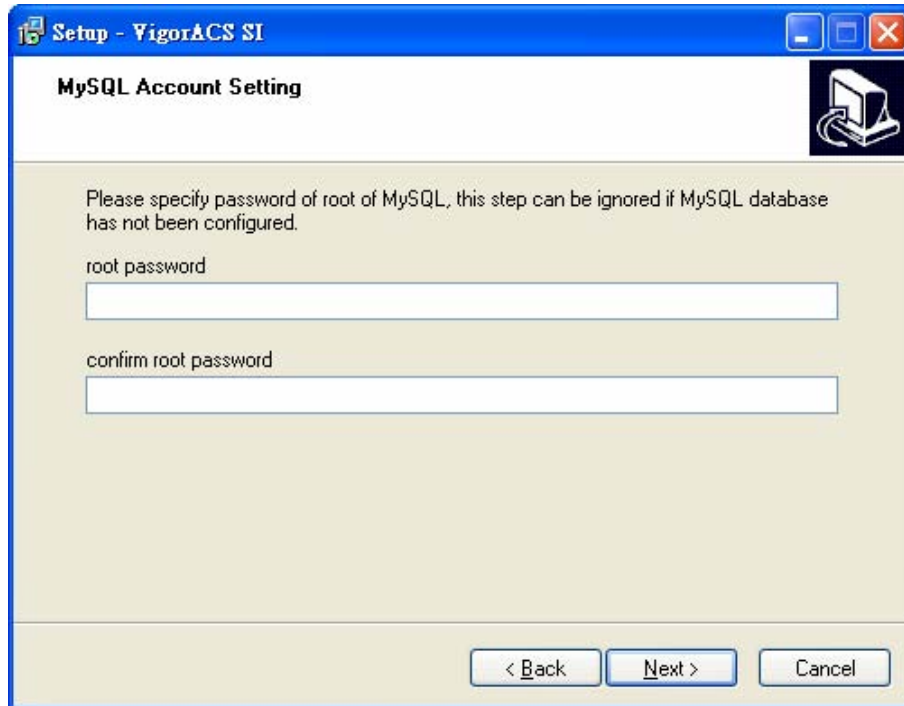


3. In this dialog box, choose **Rebuild Database** (for rebuilding the VigorACS database) or **Upgrade Database** (for upgrading the database) and click **Next**. For the first time using, please choose **Rebuild Database**.

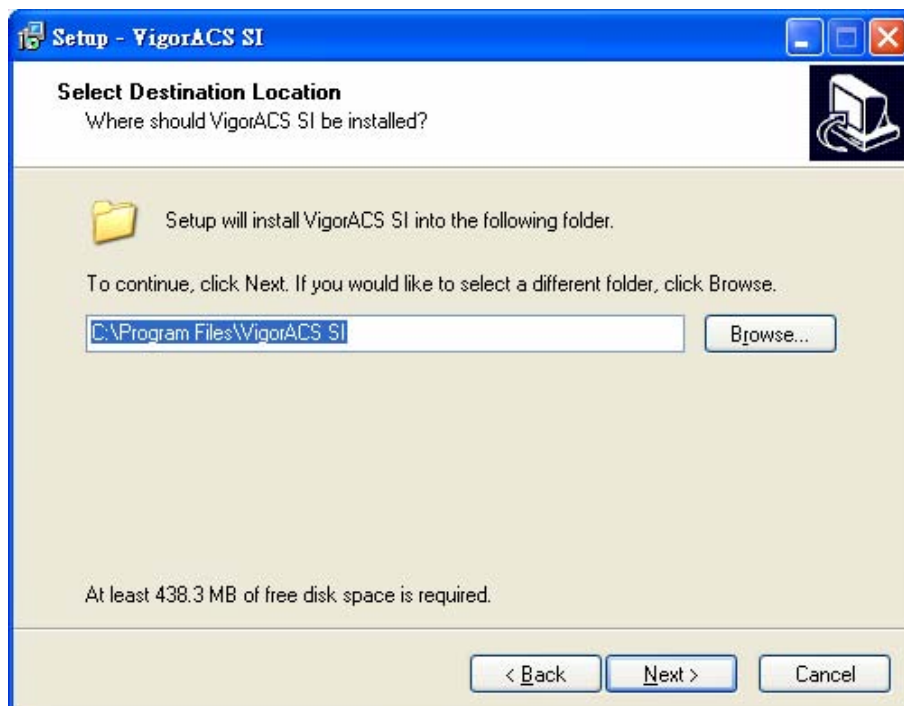




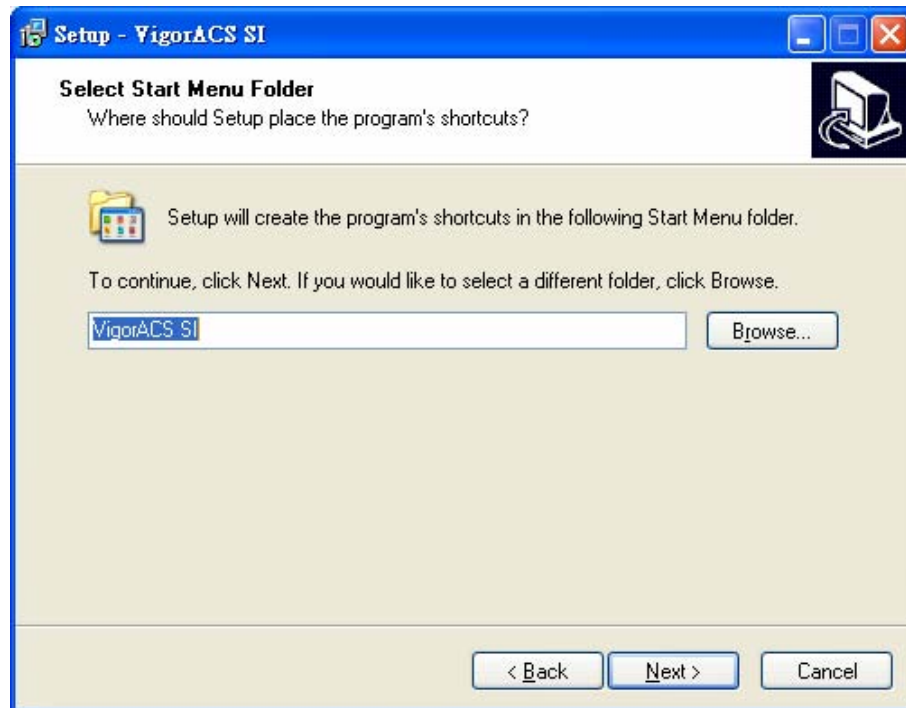
4. Click **Next**. If you have configured MySQL previously and specified password for it, you have to type the password in this page and then click **Next**.



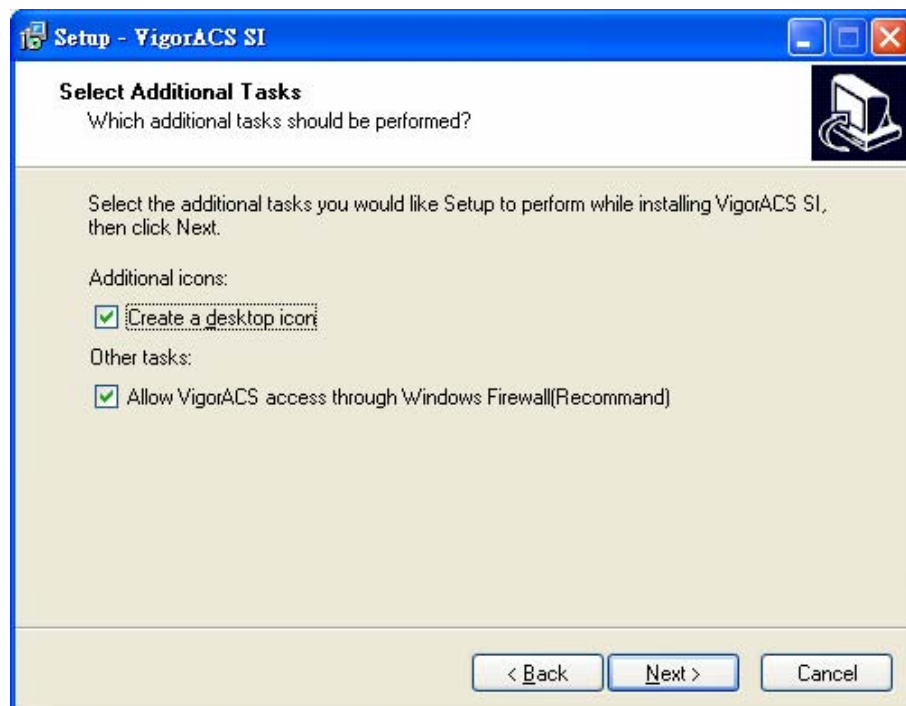
5. Determine the destination folder and click **Next**. The default directory used by this program is *c:\Program Files\VigorACS SI*. You can modify it if you want and please make sure the length of directory is not over 100 characters, otherwise you might encounter problem of VigorACS SI in installation.



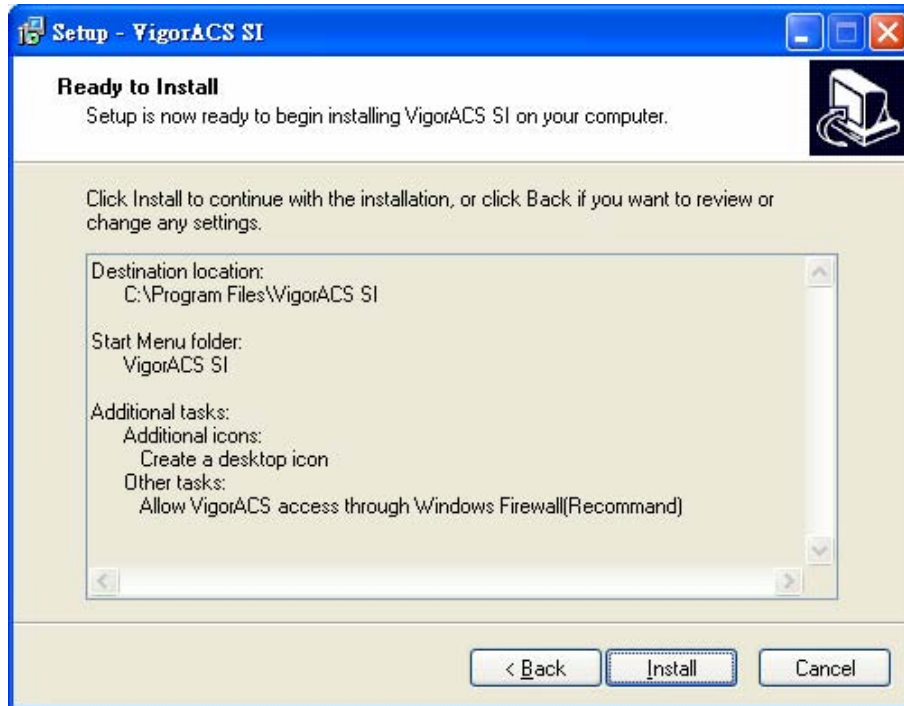
6. Determine the program name of VigorACS SI for you to start up. Then click **Next**.



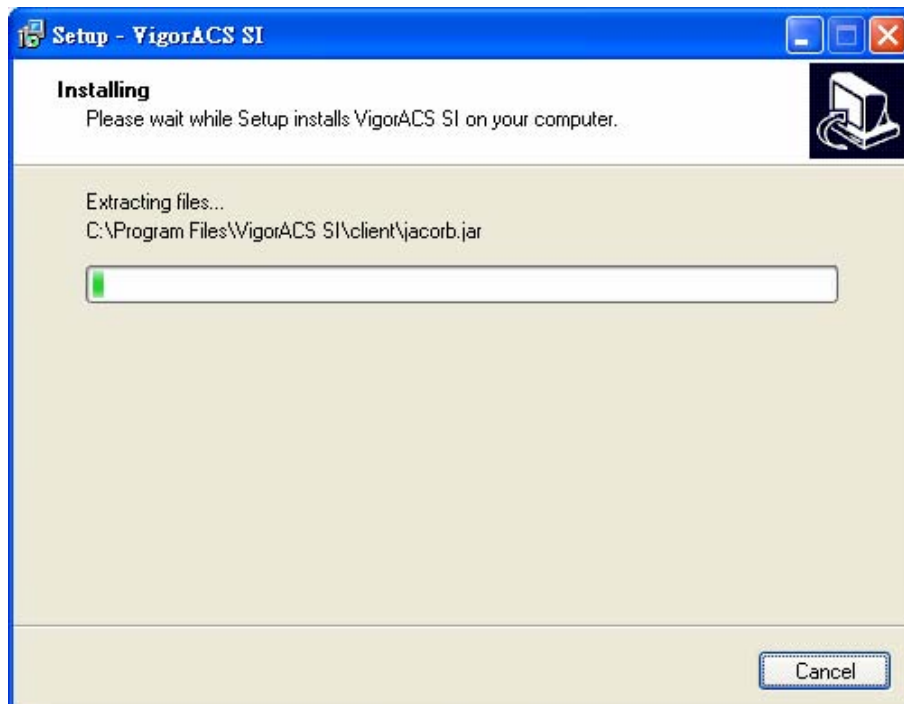
7. In this dialog, check the box of “**Create a desktop icon**” for your necessity. Click **Next**.



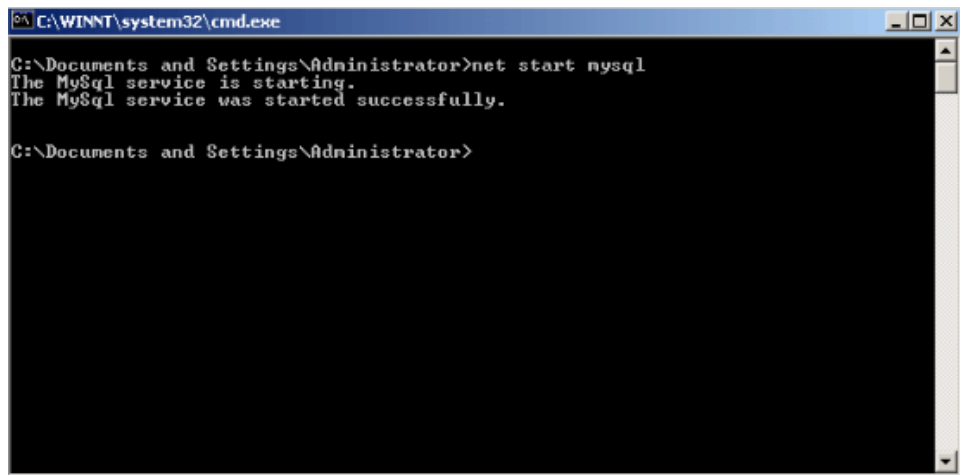
8. Now, the program is ready to install necessary features and files to your computer. Please click **Install** to start.



9. Please wait for a while to complete the installation.



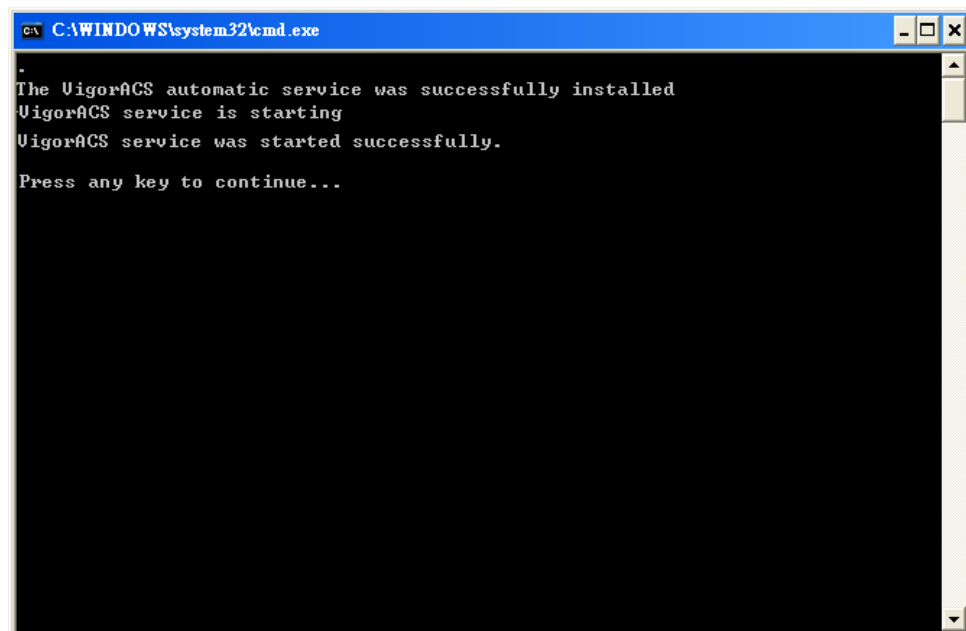
10. While installing, the following screen will appear to show that MySQL has been activated. Please wait for next dialog appearing.



```
C:\WINNT\system32\cmd.exe

C:\Documents and Settings\Administrator>net start mysql
The MySQL service is starting.
The MySQL service was started successfully.

C:\Documents and Settings\Administrator>
```



```
C:\WINDOWS\system32\cmd.exe

-
The VigorACS automatic service was successfully installed
VigorACS service is starting
VigorACS service was started successfully.

Press any key to continue...
```

11. Now the program has completed the installation of VigorACS SI. Click **Finish** to exit it.



## 2.2 Platform for Linux

Follow the steps listed below.

1. Login Linux with root or the root privilege.
2. Locate **VigorACS\_Unix\_Like\_xxxxxx\_xxxxx.tar.bz2** from CD and copy it to your hard disk.
3. Decompress the setup packages

```
bzip2 -cd VigorACS_Unix_Like_xxxxxx_xxxxx.tar.bz2 |tar xvf -
```

```
drwxr-x--- 17 root root 4096
drwxr-xr-x  2 root root 8192
drwxr-xr-x  3 root root 4096
drwxrwxrwt 18 root root 4096
drwxr-xr-x 16 root root 4096
drwxr-xr-x 28 root root 4096
-rw-r--r--  1 root root 185348096
[root@localhost /]# rm vigoracs
rm: remove regular file 'vigoracs' ? y
[root@localhost /]# ls
bin boot dev etc home initrd lib lost+found misc mnt opt proc root sbin tftpbroot tmp usr var
[root@localhost /]# cd home/
[root@localhost home]# cd robin/
[root@localhost robin]# ls
vigoracs
[root@localhost robin]# cd vigoracs/
[root@localhost vigoracs]# ls
0.0.1.3 0.0.1.3.1
[root@localhost vigoracs]# cd 0.0.1.3.1/
[root@localhost 0.0.1.3.1]# ls
VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar.gz
[root@localhost 0.0.1.3.1]# ls
VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar.gz
[root@localhost 0.0.1.3.1]# ls
VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar.gz
[root@localhost 0.0.1.3.1]# gzip -cd VigorACS_Unix_Like_Draytek_Pro_0.0.1.3.tar.gz |tar xvf -
```

4. Change the permissions mode of **install.sh** and **uninstall.sh**.

```
chmod 755 ./install.sh
```

```
chmod 755 ./uninstall.sh
```

```

linux/my.cnf
linux/mysql-standard-4.0.24-pc-linux-gnu-i686.tar.gz
solaris_8/coreutils-4.5.4-sol8-sparc-local.gz
solaris_8/jdk-1_5_0_07-solaris-sparc.tar.Z
solaris_8/jdk-1_5_0_07-solaris-sparcv9.tar.Z
solaris_8/libgcc-3.3-sol8-sparc-local.gz
solaris_8/libiconv-1.8-sol8-sparc-local.gz
solaris_8/my.cnf
solaris_8/mysql-4.0.21-sol8-sparc-local.gz
solaris_8/ncurses-5.4-sol8-sparc-local.gz
solaris_8/unzip-5.50-sol8-sparc-local.gz
solaris_9/coreutils-4.5.4-sol9-sparc-local.gz
solaris_9/jdk-1_5_0_07-solaris-sparc.tar.Z
solaris_9/jdk-1_5_0_07-solaris-sparcv9.tar.Z
solaris_9/libgcc-3.3-sol9-sparc-local.gz
solaris_9/libiconv-1.8-sol9-sparc-local.gz
solaris_9/my.cnf
solaris_9/mysql-4.0.21-sol9-sparc-local.gz
solaris_9/ncurses-5.4-sol9-sparc-local.gz
solaris_9/unzip-5.50-sol9-sparc-local.gz
uninstall.sh
vigoracs
vigoracsmysqld
[root@localhost 0.0.1.3.1]# chmod 755 ./install.sh
[root@localhost 0.0.1.3.1]# chmod 755 ./uninstall.sh
[root@localhost 0.0.1.3.1]#

```

5. Execute the installation by entering the following.

./install.sh

```

solaris_8/libiconv-1.8-sol8-sparc-local.gz
solaris_8/my.cnf
solaris_8/mysql-4.0.21-sol8-sparc-local.gz
solaris_8/ncurses-5.4-sol8-sparc-local.gz
solaris_8/unzip-5.50-sol8-sparc-local.gz
solaris_9/coreutils-4.5.4-sol9-sparc-local.gz
solaris_9/jdk-1_5_0_07-solaris-sparc.tar.Z
solaris_9/jdk-1_5_0_07-solaris-sparcv9.tar.Z
solaris_9/libgcc-3.3-sol9-sparc-local.gz
solaris_9/libiconv-1.8-sol9-sparc-local.gz
solaris_9/my.cnf
solaris_9/mysql-4.0.21-sol9-sparc-local.gz
solaris_9/ncurses-5.4-sol9-sparc-local.gz
solaris_9/unzip-5.50-sol9-sparc-local.gz
uninstall.sh
vigoracs
vigoracsmysqld
[root@localhost 0.0.1.3.1]# chmod 755 ./install.sh
[root@localhost 0.0.1.3.1]# chmod 755 ./uninstall.sh
[root@localhost 0.0.1.3.1]# ./install.sh

entering /home/robin/vigoracs/0.0.1.3.1/linux.....

Please create /usr/local/vigoracs
Create it now? (y/n)
y_

```

6. Click y to create *vigoracs* folder for storing necessary files.
7. Next, please select the item number which you want to execute. Be aware that VigorACS supports Linux OS. The program will detect the system you have in your computer.

1. Install mysql
2. Install java
3. Install VigorACS (It will build one mysql database: tr069)
4. Upgrade VigorACS (It will upgrade tr069 database)
5. Exit

input select num :

8. If your computer has installed MySQL and java previously, ignore the installation of them. Otherwise, install all the required items (MySQL, Java and VigorACS) for your system. Item number 4 is used to upgrade VigorACS, so it is not necessary for you to execute for the first time of installation.

Select the item of Exit to finish the installation.

# Chapter 3 Getting Start

## 3.1 Overview

The normal procedure of starting up the VigorACS:

- Start MySQL Database
- Start VigorACS
- Change Bind IP of VigorACS if necessary

Different platform has different way of initiation. Please follow the steps listed below for each platform.

## 3.2 Start and Register VigorACS

### 3.2.1 For Windows 2000, XP and Vista

#### 1. Start MySQL Database

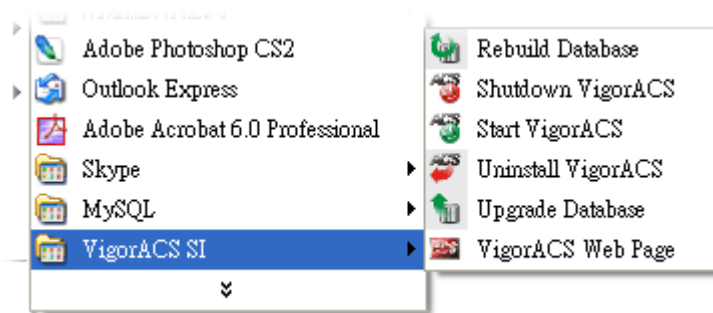
After installing VigorACS, installing program will register MySQL to Windows Service. MySQL will startup automatically after installing VigorACS or rebooting system. Normally, you don't need to worry about this step on Windows. But, if you find any problem on VigorACS, you should check MySQL first.

Please open **Start >Setup >Control Panel >Administrative Tools >Service** to check if the MySQL Service has been initiated or not. If not, please double click it to enable.

#### 2. Initiate VigorACS

After installing VigorACS, it will startup automatically. Normally, you don't need to worry about this step on Windows. But, if you find any problem on VigorACS, you could shut down VigorACS and start VigorACS again.

Please open **Start >Setup >Control Panel >Administrative Tools >Service** to check if the VigorACS Service has been initiated or not. If not, please double click it to enable.

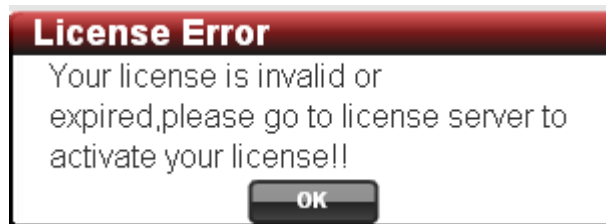


### 3. Register VigorACS

1. Click **Programs> VigorACS SI> VigorACS Web Page** to access into VigorACS. The login page of VigorACS will be shown as the following:



2. Please type “root” as user name and “admin123” as password. Then click **Login**. A License Error dialog appears as follows:



3. Click **OK**. A login page for MyVigor web site will pop up automatically.

**This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.**

A screenshot of the MyVigor LOGIN page. The page has an orange header with the word 'LOGIN' in white. Below the header, there are three input fields: 'UserName :', 'Password :', and 'Auth Code :'. To the right of the 'Auth Code' field is a red box containing the text 'AYi GXZ'. Below the input fields, there is a link that says 'If you cannot read the word, [click here](#)'. Below that is a 'Forget password?' link and a 'Login' button. At the bottom, there is a line that says 'Don't have a MyVigor Account ?' followed by a blue link that says 'Create an account now'.

If you are having difficulty logging in, contact our customer service.  
Customer Service : (886) 3 597 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)



4. Type your account (user name) and password in this page. Enter the authentication code with the characters displayed on the screen. Then, click **Login**.

**Note:** If you do not have any account, simply click **Create an account now** to create a new one for using the service provided by MyVigor web site. Refer to Appendix C Creating an Account for MyVigor.

5. MyVigor will verify and authenticate if the user account you typed is allowed to access into the web site. If yes, the following screen will appear.

The screenshot shows the MyVigor web interface. The top navigation bar includes the DrayTek logo, a Home button, a search bar with a GO button, and a Customer Survey button. The left sidebar contains links for About Us, Product, My Information, and VigorPro. The main content area is titled 'My Information' and displays user details for 'carrie\_yfn', including last and current login times and IP addresses. Below this is a 'Your Device List' section with a table header: Serial Number / Host ID, Device Name, Model, and Note. The table is currently empty. To the right of the table are dropdown menus for RowNo (set to 5) and PageNo, along with an Add button. The right sidebar contains a Login section with a message 'You have logged in as carrie\_yfn', a Logout button, and a link to 'Register your router here!'. A footer note at the bottom left states: 'Please use IE 5.0 or above ( resolution 1024 \* 768 ) for best display. © DrayTek Corp.'

6. Click **Add** to get the following page.

The screenshot shows the 'My Product' registration page. It features a search bar at the top with a GO button. The main section is titled 'Registration Device' and contains three input fields: 'Serial number' (pre-filled with 20100128100607), 'Nickname' (pre-filled with carrie\_VigorACS), and 'Registration Date' (pre-filled with 01-28-2010). At the bottom right, there are 'Cancel' and 'Submit' buttons.

7. Type a name for identification in the field of **Nickname** and click **Submit**. You can see the following screen. Click **OK**.

Your device has been successfully added to the database.

OK

8. In this page, click the serial number link (in this case, it is 1141236).

My Information

Welcome, **carrie\_yfn**

Last Login Time : 2010-01-13 15:03:46

Last Login From : 61.216.234.12

Current Login Time : 2010-01-28 10:19:52

Current Login From : 61.216.234.204

RowNo :  PageNo :

Your Device List

Serial Number / Host ID	Device Name	Model	Note
<a href="#">1141236</a>	carrie_yfn	VigorACS	-

9. You will get a device information page as shown below:

My Product

Device Information

Nickname : [carrie\\_VigorACS](#)  
Host ID : [VigorACS](#)  
Model : [VigorACS](#)

Device's Service

Expired License

Service	Provider	Action	Status	Start Date	Expired Date	Nodes
ACS	DT-ACS	<input type="button" value="Trial"/>	<input checked="" type="radio"/> On	-	-	-

RowNo :  PageNo :

☒ Means such service is in use.  
☐ Means such service is not in use.  
☐ Means such service has not been activated yet.  
☐ Means such service is in use and will be invalid soon (less than one month).

Allows you to have the free trial for service.  
 Allows you to renew service license.  
 Allows you to activate service.

10. If you are the new user of VigorACS SI, you can get a free charge of 30-day service of VigorACS SI. Simply click the **Trial** button to open the following screen.

Confirm Message

Cancel

User Name :carrie\_yfn

Serial :20100128100607

Model :VigorACS

License Number	Service Provider	Status	Nodes
<div>DrayTek VigorACS SI Series End-User License Agreement</div> <div> <div>IMPORTANT:</div> <div> DrayTek IS WILLING TO LICENSE THE ENCLOSED SOFTWARE TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS LICENSE AGREEMENT. PLEASE READ THE TERMS CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AS INSTALLING THE SOFTWARE WILL INDICATE YOUR ASSENT TO THEM. IF YOU DO NOT AGREE TO THESE TERMS, THEN DrayTek IS UNWILLING TO LICENSE THE </div> </div>			

☒ I have read and accept the above Agreement. (Please check this box).

Next

11. Check the box of “**I have read and accept the above....**” and click **Next**.

Apply For A License Number

Cancel

Service Name: ACS

STEP 2

Activation Date (MM-DD-YYYY):01-28-2010

Register

12. Click **Register**. When the VigorACS License Information page appears, the service is ready for you to use.

VigorACS License Information

Operation	1000 : Service activation
License id	00001b10
Start date	2010-01-28
Expire date	2010-02-11
Max node	20
Is trial license	Yes

Login to ACS

13. Click **Login to ACS** to use VigorACS SI service. The login page will appear as follows.



The login page features the DrayTek logo on the left and the VigorACS logo on the right. Below the logos is a 'Login' tab. The main area contains two input fields: 'User Name' with the text 'root' and 'Password' with masked characters '\*\*\*\*\*'. A 'Login' button is positioned below the password field.

14. Type the default settings of User Name (root) and Password (admin123) and click **Login**. The main screen of VigorACS will be shown as follows.

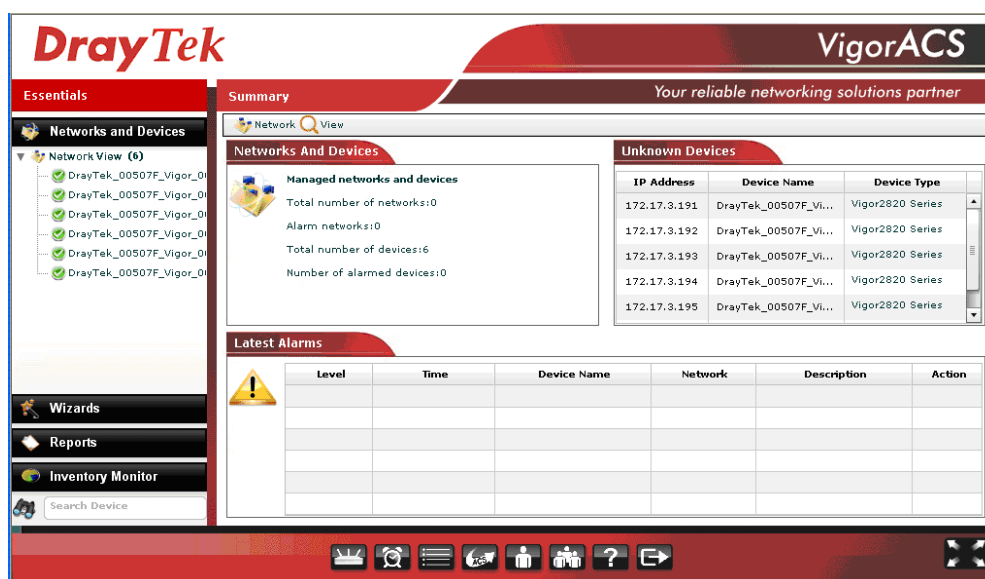


The main screen displays the DrayTek logo and VigorACS title. It includes a navigation sidebar with 'Essentials' (Networks and Devices, Wizards, Reports, Inventory Monitor, Search Device) and a main content area. The main area has a 'Summary' header and a 'Network View' section. The 'Networks And De' section shows statistics for managed networks and devices. The 'Unknown Devices' table is empty. The 'Latest Alarms' section shows a table with columns: Level, Time, Device Name, Network, Description, and Action. The bottom of the screen features a toolbar with icons for various functions.

IP Address	Device Name	Device Type

Level	Time	Device Name	Network	Description	Action

Below shows a view of CPEs added to the database and controlled by VigorACS.



### 3.2.2 For Linux

#### Start/Shutdown MySQL Database

Execute `"/usr/local/vigoracs/VigorACS/bin/vigoracs.sh"` instruction. The following menu will appear.

1. start mysql
2. shutdown mysql
3. start VigorACS
4. shutdown VigorACS
5. edit bind ip of VigorACS Server(please keying IP or server name)
6. set the MAX and MIN memory value of running java (It will valid after restarting VigorACS )
7. view the MAX and MIN memory value of running java
8. exit

input select num:

```
Start to create snmpdb db ....
VigorACS MySQL:
MySQL:
Create snmpdb db successfully....
Create snmpdb db table....
Create snmpdb table successfully....
VigorACS and snmpdb install Successfully

1. Install mysql
2. Install java
3. Install VigorACS < It will build one mysql database : snmpdb >
4. Upgrade VigorACS < It will upgrade snmpdb database >
5. Exit
input select num :
5
[root@localhost 0.0.1.3.1]# /usr/local/vigoracs/VigorACS/bin/vigoracs.sh
1. start mysql
2. shutdown mysql
3. start VigorACS
4. shutdown VigorACS
5. edit bind ip of VigorACS Server(please keyin ip or servername)
6. set the MAX and MIN memory vaule of running java <It will valid after restarting VigorACS >
7. view the MAX and MIN memory vaule of running java
8. exit
input select num :
```

Type item number 1 to start MySQL database if necessary. Usually MySQL daemon will start automatically after installing VigorACS server.

---

**Note:** You can type "*ps -ef|grep mysql*" to view the content of MySQL. If you want to shutdown MySQL database, simply type the menu item 2 to close MySQL.

---

## Start/Shutdown VigorACS

For the first time of starting the VigorACS on Linux system, the startup program will need you to input Server IP. Select item number 3 for starting VigorACS. And type the required IP address used for initiating.

```
# http://developer.java.sun.com/developer/bugParade/bugs/4465334.html
done
fi

"vigoracsserver.sh"
[root@localhost bin]# ls
changeip.bat      jboss_init_redhat.sh  probe.sh      set_memory.sh      StartVigorACS.bat  vigoracs.sh
changeip.bat.bak  jboss_init_suse.sh   run.bat       shutdown.bat       twiddle.bat        VigorACS.url
classpath.sh      memory.txt           run.conf      shutdown.jar       twiddle.jar        wstools.bat
hs_err_pid508.log noip.bat             run.jar       shutdown.sh        twiddle.sh         wstools.sh
jboss_init_hpux.sh probe.bat            run.sh        ShutdownVigorACS.bat vigoracsserver.sh
[root@localhost bin]# chmod 755 vigoracs.sh
[root@localhost bin]# chmod 755 vigoracsserver.sh
[root@localhost bin]# ./vigoracs.sh
1. start mysql
2. shutdown mysql
3. start VigorACS
4. shutdown VigorACS
5. edit bind ip of VigorACS Server(please keyin ip or servername)
6. set the MAX and MIN memory vaule of running java (It will valid after restarting VigorACS )
7. view the MAX and MIN memory vaule of running java
8. exit
input select num :
3
Which ip address do you want to bind for VigorACS service ( x.x.x.x or Enter for bind localhost.localdomain server)?
172.17.3.132
```

The system will start VigorACS with the specified IP address.

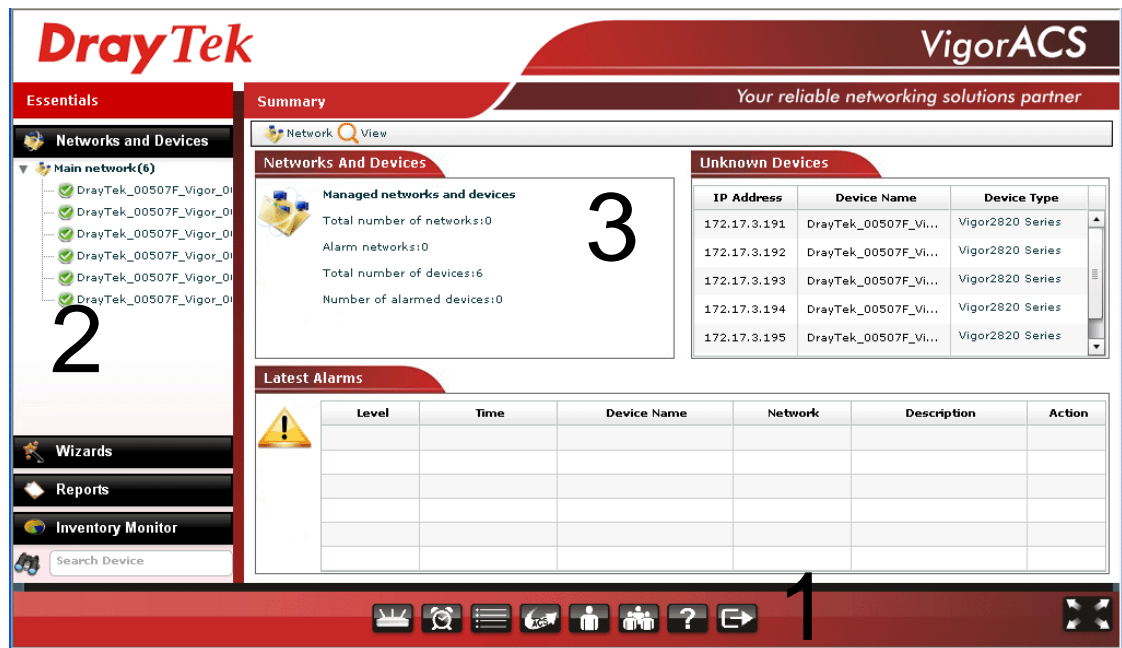
## Edit VigorACS IP

Once you input the IP address, VigorACS will keep it on *startway.txt*. However, if you want to change the server bind IP for some reason, please follow the steps below:

1. Execute "/usr/local/vigoracs/VigorACS/bin/vigoracs.sh" instruction.
2. Stop VigorACS by selecting item number 2 to shutdown VigorACS. Such action can make sure the new changed IP setting being effective.
3. Then select item number 5 to edit *startway.txt* by using *vi* editor.
4. When you finished the change of bind IP, please select item number 3 to start VigorACS again.

### 3.3 Brief Introduction of Main Screen

VigorACS SI can be divided into several parts:



#### Part 1

Such area displays different **operation modes**. Each mode will bring out different parameters for configuration or different information for reviewing. Simply move your mouse on each one of them to open the corresponding web page.



Device Management



Alarm



Log



Provision



Admin



User



Help



Logout

#### Part 2

Such area displays adjustable parameters lists according to the operation mode selected.

#### Part 3

Such area displays the detailed information according to the parameter selected from part 2.

## 3.4 Instruction for Operating VigorACS

Follow the instruction listed below to play VigorACS:

- Create networks and add devices (CPE), refer to *Chapter 8 Admin Operation*.
- Create users, refer to *Chapter 9 User Operation*.  
Each CPE device can be assigned to one user group only.
- Create user groups, refer to *Chapter 9 User Operation*.  
Assign users under different user groups.  
**RootGroup** is the group defined in factory.

In addition,

- Edit and modify the settings for the TR-069 devices, refer to *Chapter 4 Device Management*.

Upgrade the firmware, refer to **Firmware>>Firmware upgrade** in *Chapter 4 Device Management*.

## 3.5 Logout VigorACS

Simply click **Logout** icon to logout.





# Part II Configuration



# Chapter 4 Device Management

The home page for VigorACS is Device Management. Basically, a summary screen with Network and Devices, Unknown Devices and Latest Alarms will be brought out for your reference whenever such mode (Device) is selected.



In **Summary** page, you can click **Network** or **View** to bring up different web page.

**DrayTek VigorACS**  
Your reliable networking solutions partner

**Essentials**

- Networks and Devices
- Wizards
- Reports
- Inventory Monitor
- Search Device

**Summary**

Network View

**Networks And Devices**

Managed networks and devices

Total number of networks:0  
Alarm networks:0  
Total number of devices:6  
Number of alarmed devices:0

**Unknown Devices**

IP Address	Device Name	Device Type
172.17.3.191	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.192	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.193	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.194	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.195	DrayTek_00507F_Vi...	Vigor2820 Series

**Latest Alarms**

Level	Time	Device Name	Network	Description	Action

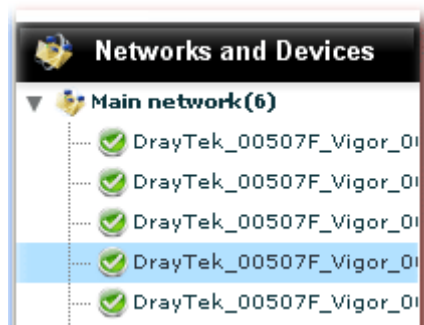
The welcome screen for VigorACS can be divided into two boxes, one is Essentials (the left side) and the other is main screen (the right side). Essentials contains four groups (containing drop down items), **Networks and Devices**, **Wizards**, **Reports**, and **Inventory Monitor**. Main screen will be changed based on the group selected in Essentials.

There are four menu items offered for users/administrator to adjust corresponding settings. Move your mouse cursor on any one of them, the drop down menu items will be shown automatically.



### Networks and Devices

This field displays network and devices controlled by VigorACS. To get the detailed information for each device/network, just click one of device/network. **Device Details** will be shown on the right side.



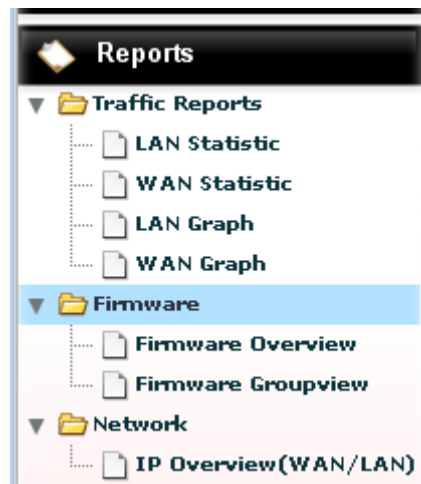
### Wizards

Backup, restore and firmware upgrade for CPEs can be done via Wizards.



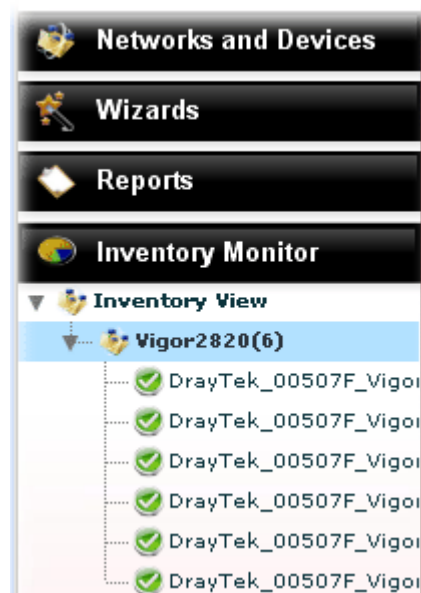
### Reports

Such groups allow the user to check statistic, graph, and group information for all the CPE controlled by VigorACS.



## Inventory Monitor

Click **Inventory Monitor** to display the devices (CPEs) under different model series.



## 4.1 Networks and Devices

### 4.1.1 Display Mode for Network

VigorACS offers a convenient way to get the basic information for specified network or device.



#### Network summary

Network Summary provides summary for the whole management and shows the Networks information, devices information, latest alarms information and unknown devices information.

Summary

Your reliable networking solutions partner

Network View

Networks And Devices

Managed networks and devices

Total number of networks:0  
Alarm networks:0  
Total number of devices:6  
Number of alarmed devices:0

Unknown Devices

IP Address	Device Name	Device Type
172.17.3.191	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.192	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.193	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.194	DrayTek_00507F_Vi...	Vigor2820 Series
172.17.3.195	DrayTek_00507F_Vi...	Vigor2820 Series

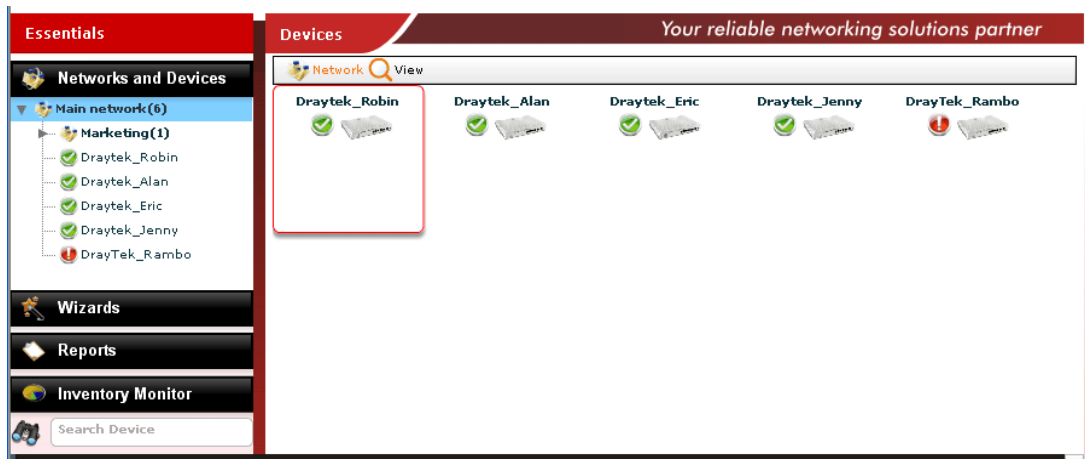
Latest Alarms

!

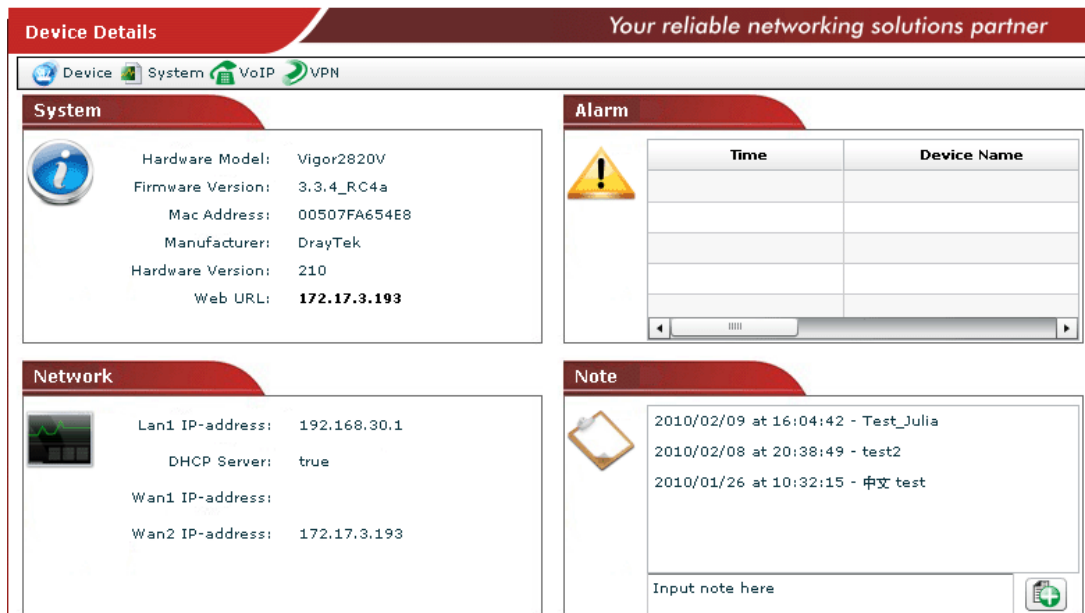
Level	Time	Device Name	Network	Description	Action

#### Network devices

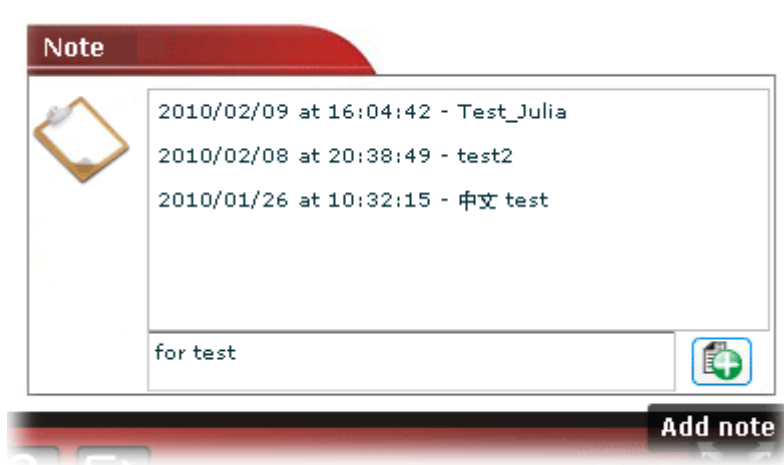
A list of managed and controlled CPEs under the selected network will be displayed with icons in this page. On the left side of the page, the tree view shows all the created groups. On the right side, the CPEs under selected group will be displayed.



To have the detailed information for each CPE, simply move your mouse to the device (represented with an icon) you want and click on it. A **Device Details** page for the selected CPE will be displayed immediately for your reference.

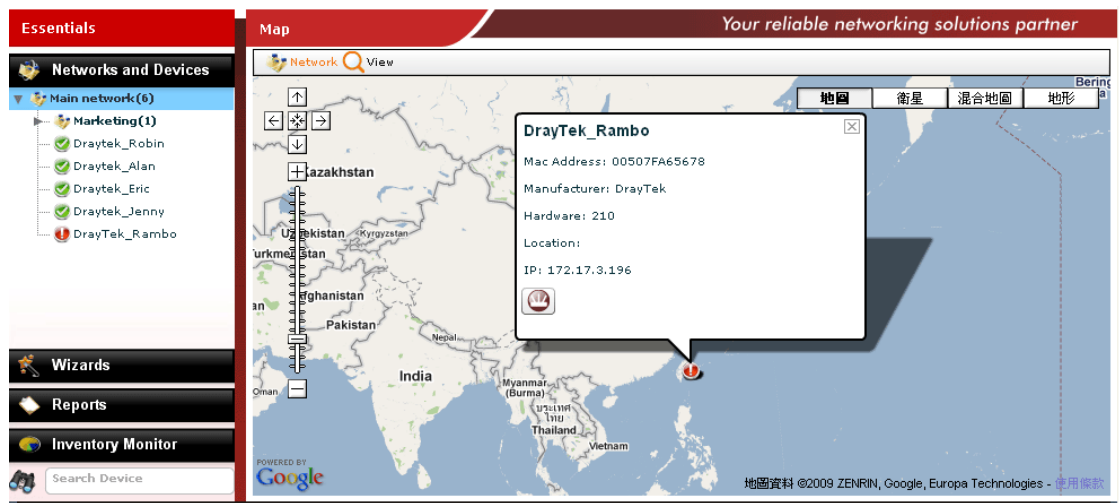


In such page, you can add a note for the selected device whenever you want. Simply type the text on the input box in Note area and click **Add note** button.



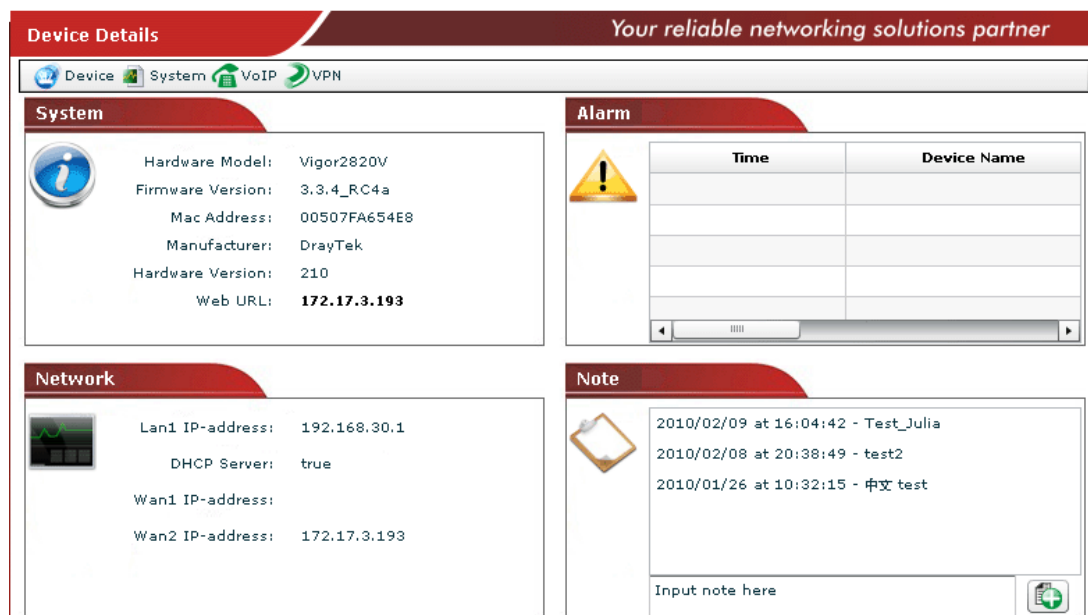
## Network map

Such mode allows you to view the devices with a bird view. Network map can assist you to find out the location of the devices conveniently and easily.



### 4.1.2 Display Mode for Device

Click one of the CPEs from the tree view under Essentials, a summary page of **Device Details** will be shown as follows:



Device Details for the selected CPE will be shown with the summary information of system, alarm, network and note.

You can **switch into** other page to check additional information, e.g., location of CPE, list of managed CPEs, Web URL to connect CPE and so on. Just move your mouse to **Device** menu and select one of the items from the drop down list.





#### Browse network

Click this item to return to the previous view. To display the managed CPEs with icons, choose **Network Devices**.

#### Summary

Click this item to display the managed CPEs with brief information.

#### Map

Click this item to display the location of current selected CPE with a map.

### 4.1.3 System

#### Checking Device SysLog for the Selected CPE

The administrator can check syslog for **selected** CPE. Simply choose **System>>Device System Log**.

Device Details

Your reliable networking solutions partner

DeviceSystemVoIPVPN

SysLog

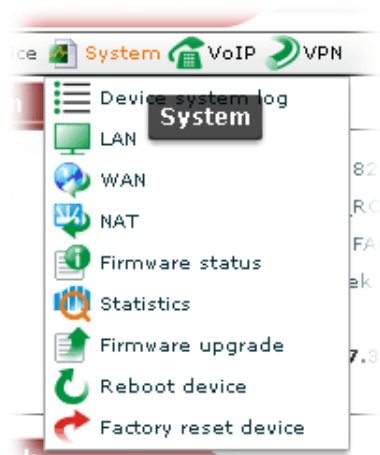
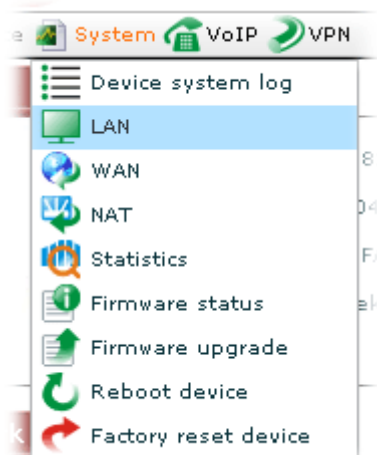
Draytek\_Robin

Firewall	VPN	UA	Call	WAN	Others
IP	System Time	Client Time	Host Name		
172.17.3.191	Fri Jan 15 15:24:50 GMT+0800 2010	Jan 15 08:03:12	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:23:48 GMT+0800 2010	Jan 15 08:02:10	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:22:45 GMT+0800 2010	Jan 15 08:01:08	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:22:23 GMT+0800 2010	Jan 15 08:00:45	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:21:21 GMT+0800 2010	Jan 15 07:59:43	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:20:19 GMT+0800 2010	Jan 15 07:58:41	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:19:17 GMT+0800 2010	Jan 15 07:57:39	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:18:15 GMT+0800 2010	Jan 15 07:56:37	Vigor	ADSL_Status:[Mode=---	
172.17.3.191	Fri Jan 15 15:17:13 GMT+0800 2010	Jan 15 07:55:35	Vigor	ADSL_Status:[Mode=---	

If you want to check syslog for **all devices** which are controlled by VigorACS, please refer to Chapter 6 Log View for more detailed information.

#### Checking and Editing LAN Settings for the Selected CPE

The administrator can check and edit LAN settings for the selected **CPE/group** if it is necessary to modify. Simply open **System>>LAN**.



Firmware Status 的位置改了


The following screen will appear with all of the LAN settings for the selected CPE/group.

Device Details

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Device System VoIP VPN

LAN



Draytek\_Robin

Index	Mac Address	Status	LAN IP Address	Subnet Mask	DNS
1	00:50:7F:A6:54:E0	Up	192.168.1.1	255.255.255.0	

#### Index

Display the index number of the CPE in current network group.

#### Mac Address

Display the MAC address of the CPE.

#### Status

Display current connection status for the selected CPE. “Up” means the CPE is controlled by VigorACS and runs well. “Down” means there is no data transmission/receiving on CPE.

#### LAN IP Address

Display the IP address of the CPE. Such value can be edited if required. Simply click the mouse button on the field and type the corresponding settings directly.


Address	Status	LAN IP Address	Subnet Mask
A6:54:E0	Up	192.168.1.1	255.255.255.0

#### Subnet Mask

Display the subnet mask of the selected CPE. Such value can be edited if required.

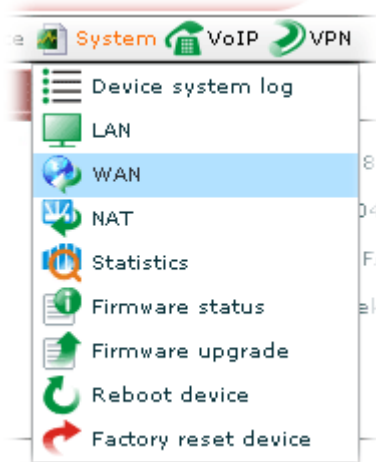
#### DNS

Display the IP address of DNS server. Such value can be

<b>TX/RX Packets</b>	edited if required.
<b>TX/RX Bytes</b>	Display the size of data transmission/receiving.
<b>DHCP Server Enable</b>	If the DHCP server is enabled, the word of “true” will be shown here. Otherwise, the word of “false” will appear. Such value can be edited if required.
<b>DHCP MinAddress</b>	Display the starting IP address for the range of DHCP server. Such value can be edited if required.
<b>DHCP MaxAddress</b>	Display the ending IP address for the range of DHCP server. Such value can be edited if required.
<b>DHCP SubnetMask</b>	Display the subnet mask for the DHCP server. Such value can be edited if required.
 <b>Save parameter settings</b>	Click this button to save the parameters settings.

## Checking and Editing WAN Settings for the Selected CPE

WAN settings relate to access Internet for CPEs. If you want to change WAN settings for specified CPE(s), please choose the device. And, open **System >>WAN**.



[illegible]

Addressing Type
Static
DHCP
Static

**DrayTek**

runs well. “Down” means there is no data transmission/receiving on CPE.

**Tx/Rx Bytes**

Display the size of data transmission/receiving.

**Tx/Rx Packets**

Display the packets of data transmission/receiving.

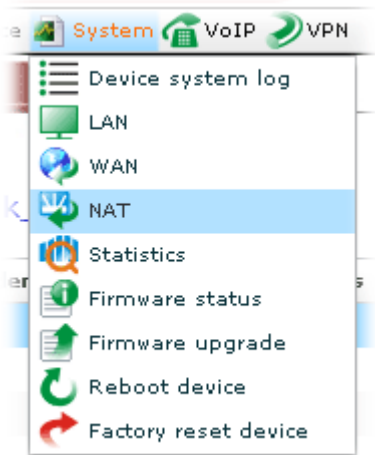


Save parameter setting

Click this button to save the parameters settings.

**Checking and Editing NAT Settings for the Selected CPE**

Open **System >>NAT**.



The following screen will appear with all of the NAT settings for the selected CPE/group.

Device Details

Your reliable networking solutions partner

Device System VoIP VPN

NAT

[Draytek Robin](#)

Index	Port Redirection	Port Redirection Mode	Service Name	Protocol	
1	false	Single	88	---	Al
2	false	Single		---	Al

**Index**

Display the index number of the CPE in current network group.

**Port Redirection**

Move and click your mouse on the field, a check box will appear. Check the box to set “true” mode (means enabled) or uncheck the box to set “false” mode (means disabled).

Port Redirection
<input type="checkbox"/>
false

Port Redirection
<input checked="" type="checkbox"/>
false

## Port Redirection Mode

Display the port redirection mode of the CPE.

Available modes (true/false) for such CPE can be seen from the drop down list. You can change the mode if required.

Port Redirection Mode
Single
Single
Range

If you select **Range** as **Port Redirection Mode**, please specify the value of **Private IP Start** and **Private IP End**.

## Service Name

Type a name for the service for identification.

## Protocol

Display the protocol for NAT of the CPE. Available settings for such CPE can be seen from the drop down list. You can change the protocol if required.

Protocol
TCP
UDP

## WAN IP

Choose WAN IP alias for the device passing through.

WAN IP
All
All
WAN1_IP_Alias
WAN2_IP_Alias

## Public Port Start

Specify which port can be redirected to the specified **Private IP** and **Port** of the internal host. If you choose **Range** as the port redirection mode, please type the required number on this field. **Public Port End** will be assigned automatically later.

## Public Port End

Such field will be assigned according to the value of

### Private IP Start

### Public Port Start.

Specify the private IP address of the internal host providing the service. If you choose **Range** as the port redirection mode, you need to specify Private IP End additionally.

### Private IP End

Specify an IP address as the end of Private IP.

### Private Port

Specify the private port number of the service offered by the internal host.

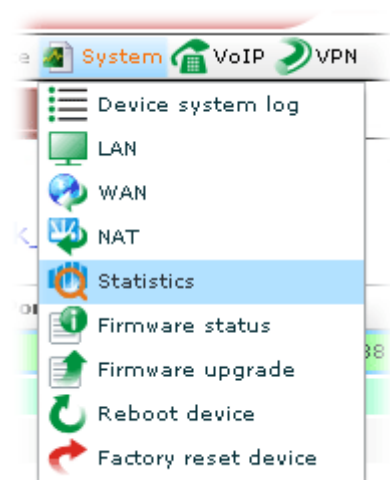


Save parameter settings

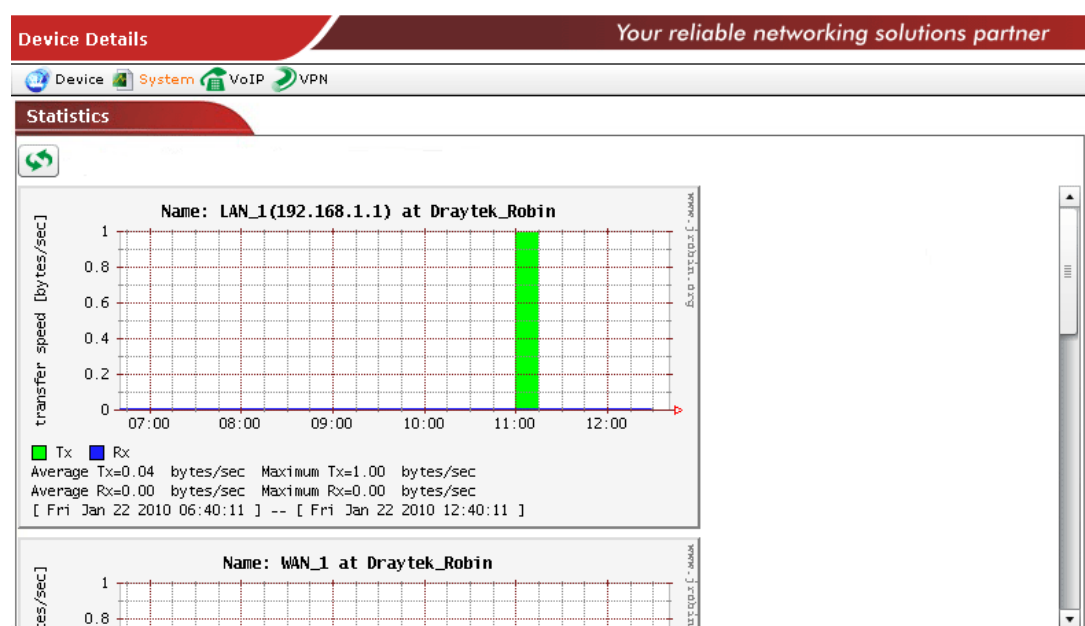
Click this button to save the parameters settings.

## Checking the Statistics for the Selected CPE

the administrator can view specified date of statistics for CPE(s).

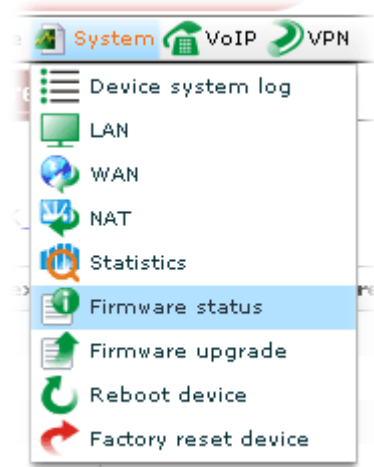


Please open **System>>Statistics**. Such page will display graphics for LAN statistics, WAN Statistics and VPN statistics of the selected CPE.



## Checking the Firmware Status for the Selected CPE

To get the information of firmware version for the selected CPE, please open **System>>Firmware status**.



A screen of firmware status for the selected CPE will be shown as follows.

A screenshot of the 'Firmware' status page in the configuration interface. The page has a red header with 'Device Details' and 'Your reliable networking solutions partner'. Below the header, there are tabs for 'Device', 'System', 'VoIP', and 'VPN'. The 'Firmware' tab is selected. The page shows the device name 'Draytek\_Robin' and a table with firmware information. The table has five columns: 'Index', 'Modem Firmware Version', 'Software Version', 'Manufacturer OUI', and 'Model Name'. The first row contains the following data: Index 1, Modem Firmware Version 211011\_A Annex\_A, Software Version beta\_0414, Manufacturer OUI 00507F, and Model Name Vigor2820V. There are several empty rows below the first one. At the bottom left of the table area, there is a floppy disk icon and the text 'Save parameter settings'.

### Index

Display the index number of the CPE in current network group.

### Modem Firmware Version

Display the firmware version for the hardware that the CPE used currently.

### Software Version

Display the software version that the CPE used currently.

### Manufacturer OUI

Display the characters of OUI. OUI means “organizationally unique identifier” of the device manufacturer.

### Model Name

Display the model name of the selected CPE.



Save parameter settings

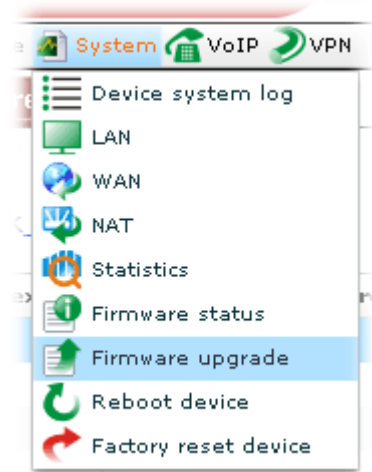


## Upgrading the Firmware for the Selected CPE

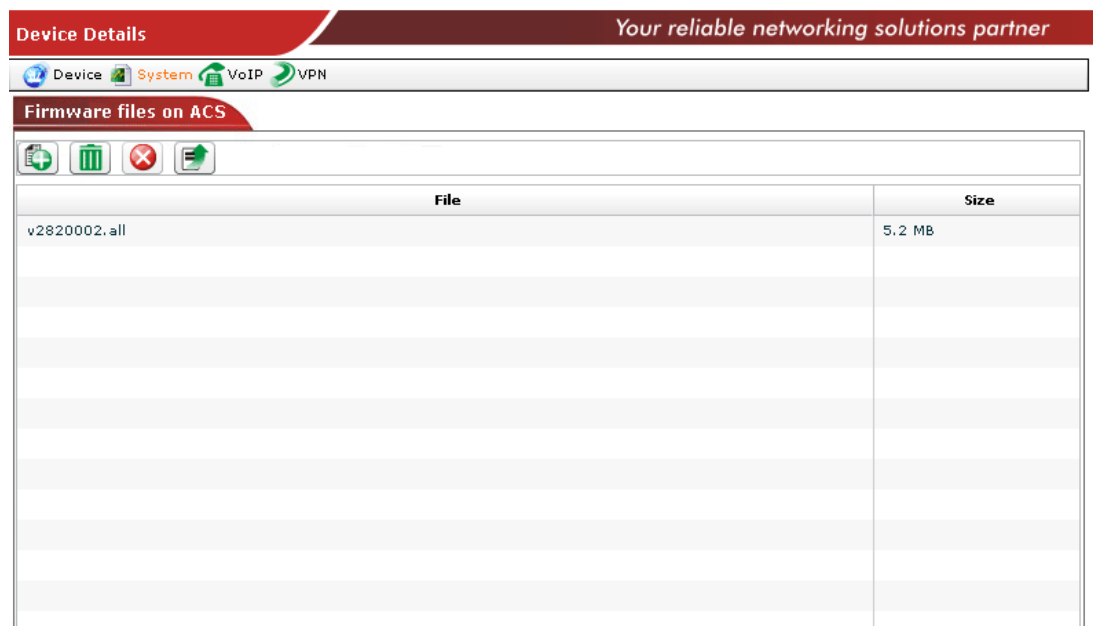
Firmware Upgrade web pages allow you to do firmware upgrade for specified CPE device.

**Note:** If you want to upgrade the firmware for multiple devices at one time, please go to section 4.2.3 Firmware Upgrade for more detailed information.

Please open **System>>Firmware upgrade**.



A screen of firmware used by current selected CPE will be shown as follows.



### Model Name

Display the model name of the selected CPE.



**Add file(s)**

Click this button to add the newly firmware driver to VigorACS server. You have to download from DrayTek website first and then Click this button for uploading.



**Remove files (s)**

Click this button to remove the selected firmware file.



**Cancel upload**

Click this button to terminate uploading procedure.



**Upgrade firmware with**

Click this button to upgrade the firmware of selected CPE. A confirmation dialog box will appear. Click **Yes**

**selected file**

to continue the upgrading process, or click **No** to cancel this job.



**Note:** If you do not add any new file to VigorACS server, the confirmation dialog box will not appear.

**File**


Display current firmware on VigorACS.

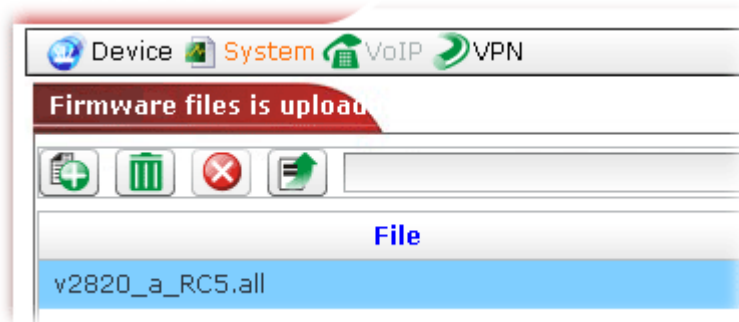
**Size**


Display the file size for the firmware.

## Performing the Firmware Update

To do the firmware upgrade, please:

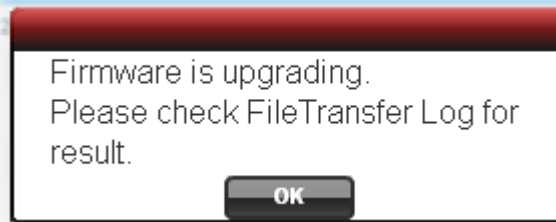
1. Upload the required firmware from vendor for the CPE that you want to upgrade to VigorACS server by clicking **Add** .
2. Choose suitable firmware for the CPE that you want to upgrade. You must specify which firmware to be applied in the CPE device requiring for firmware upgrade. The uploaded firmware will be displayed in the screen as shown below:



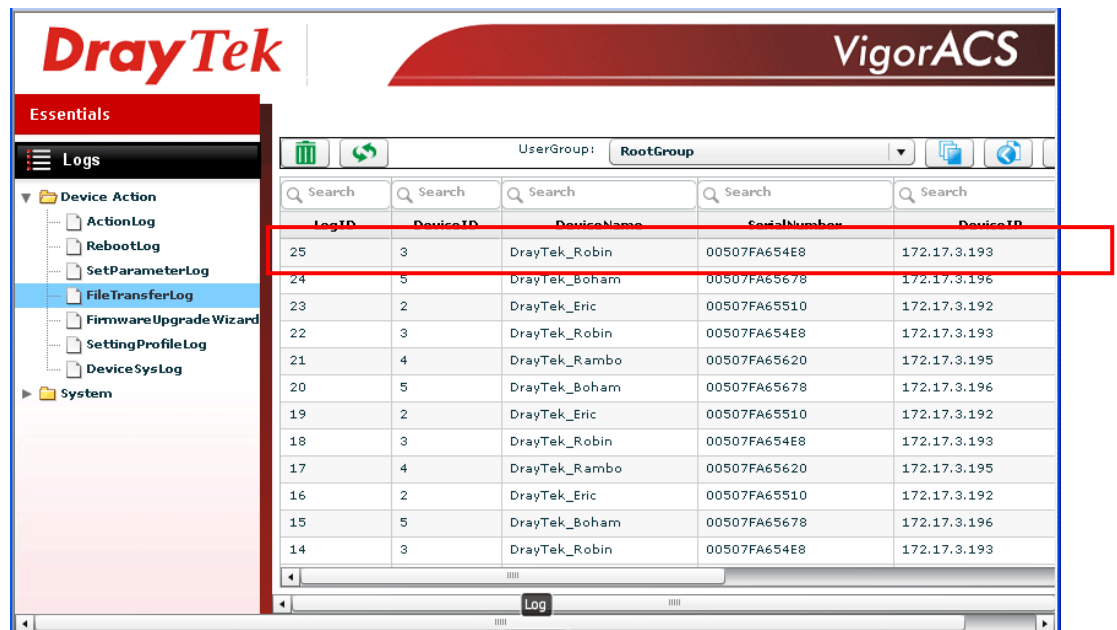
3. When the uploading process is finished, please choose the file and click  to upgrade the firmware with the selected file to the current selected CPE.



4. When the upgrading is completed, the new driver will be shown on the screen.

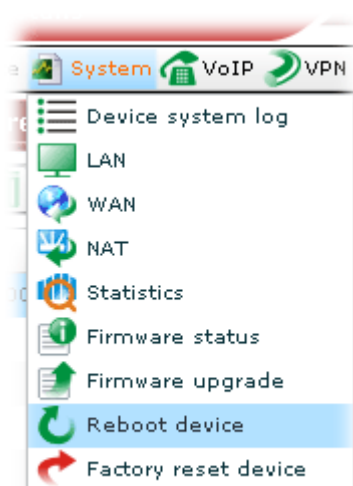


- Click OK. Open click the **Log** icon. Under **Device Action**, choose **FileTransferLog**. The new result will be added on the top.



## Rebooting the Selected CPE

When you finish configuration, please open **System>>Reboot device** to make the new settings enabled.

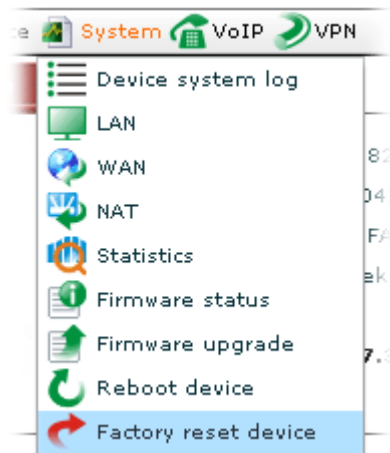


In the confirmation dialog box, click **Yes** to reboot the selected CPE or click **No** to cancel the reboot process.

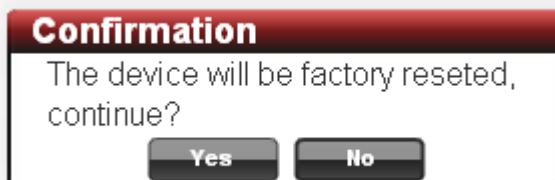


### Returning to Factory Default Settings for Selected CPE

If, any time, you want to return to the factory default settings for the selected CPE, choose the device and click **System>>Factory reset device**.

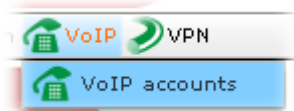


In the confirmation dialog box, click **Yes** to reset the selected CPE or click **No** to cancel the reset process.



### 4.1.4 VoIP

This page allows you to set VoIP configuration which maps with SIP accounts of the selected device.



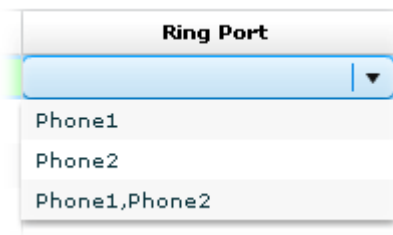
Click **VoIP>>VoIP accounts** to open the following screen.

[illegible]

<b>Index</b>	Display the index number of the CPE in current network group.
<b>Inbound Auth User</b>	Type the authentication ID which is specified by the web configuration page of the selected device.
<b>Auth User</b>	Type the account name/account number which is specified by the web configuration page of the selected device.
<b>Display Name</b>	Type the display name which is specified by the web configuration page of the selected device.
<b>Password</b>	Type the password which is specified by the web configuration page of the selected device.
<b>Registrar Server</b>	Type the IP address or domain name of the registrar server for such account.
<b>Proxy Server</b>	Type the IP address or domain name of the proxy server.
<b>Register Via</b>	Use the drop down list to choose the registration interface for such account.



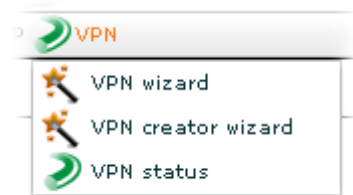
**Ring Port** Choose the ring port for such VoIP account.



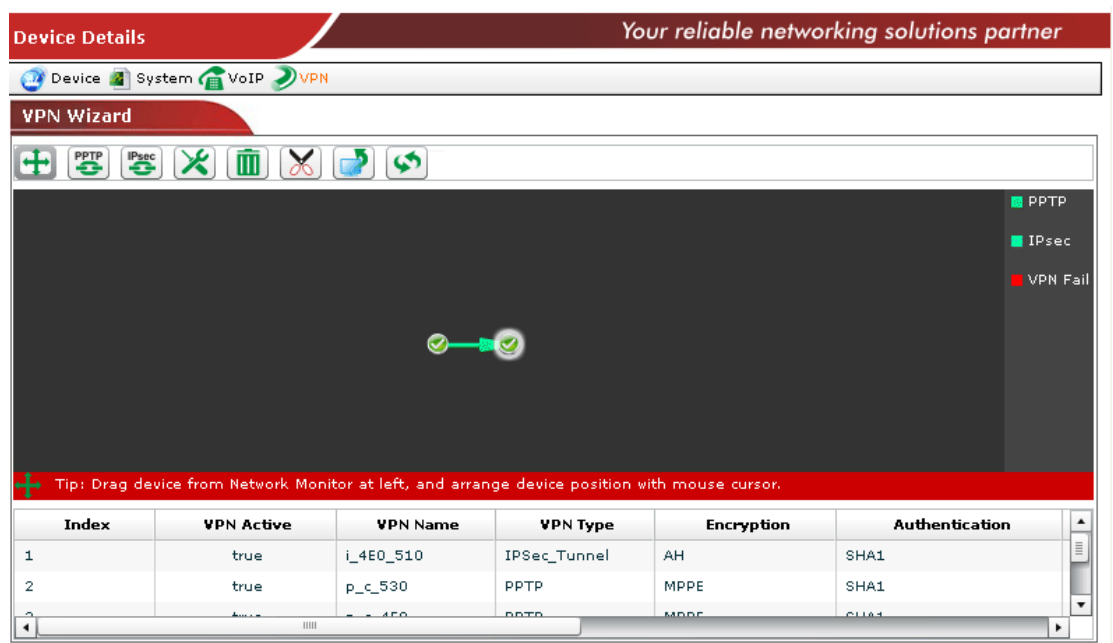
## 4.1.5 VPN

### Creating VPN Connection with VPN Wizard

VigorACS offers an easy method to configure VPN settings for building VPN connection between two CPEs.



Open **VPN>>VPN wizard**, the following screen will appear.



**Add device...**

Click this button to add a device for building VPN connection. If you do not click this button first, you can not drag any device from **Network View**.



**PPTP**

To build a **PPTP** connection, simply click this button first and then drag the device from **Network View** to the black area.



**IPsec**

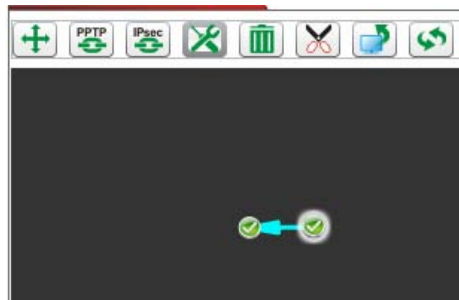
To build an **IPsec** connection, simply click this button first and then drag the device from **Network View** to the



### Advance Connection

black area.

To build a VPN connection manually, please use such tool. For detailed information, please refer to the section of **Building an Advanced VPN Connection** later.



### Remove the device....

Click this button to remove the selected device without VPN connection.

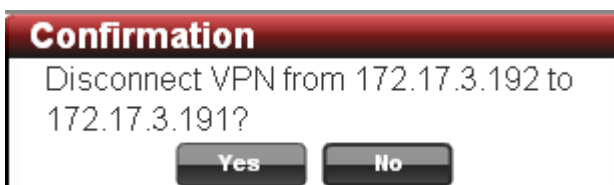


### Disconnect

To disconnect a VPN connection, Click this button and move the mouse cursor to the VPN connection that you want to disconnect. Notice that the mouse cursor will be transformed into a scissor.



If you press **Enter**, a confirmation dialog will appear. You can click **Yes** and the VPN connection will be cut off immediately.



### Change LAN IP Setting

If there is LAN IP segment conflict in VPN connection, please select that device and click this button to change LAN IP setting.



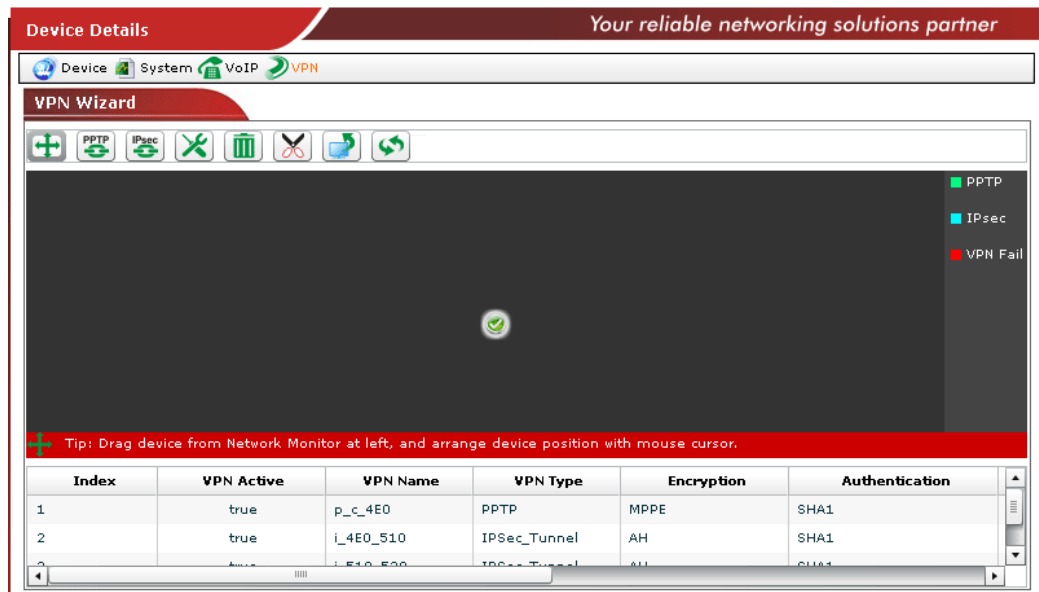
### Refresh VPN Wizard

Click this button to reconnect both devices.

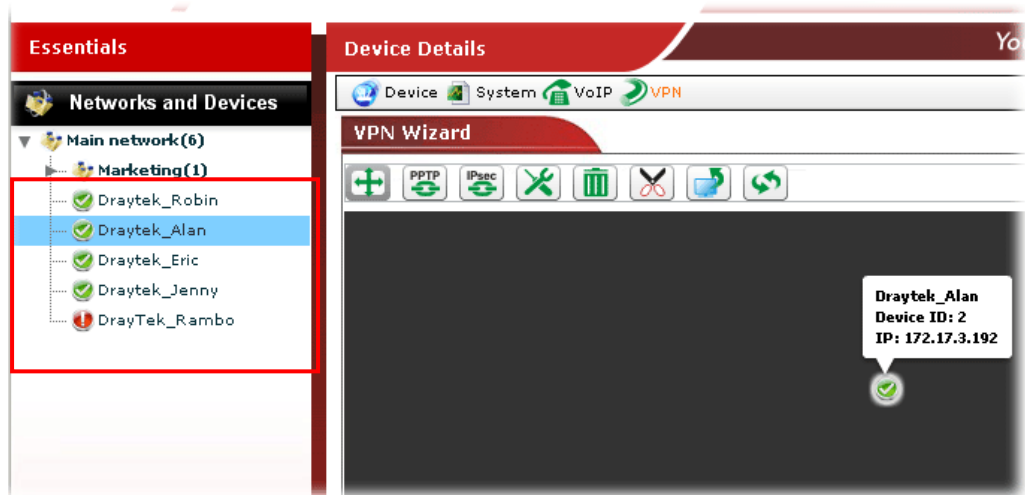
## Building a Simple VPN Connection

Please follow the steps to build a simple VPN connection.

1. Open **VPN>>WPN wizard**. You will get the following page. Selected CPE will be displayed in the middle of the screen. There is no VPN connection existed.



- Open the **Networks and Devices** and expand the group folder as the following:



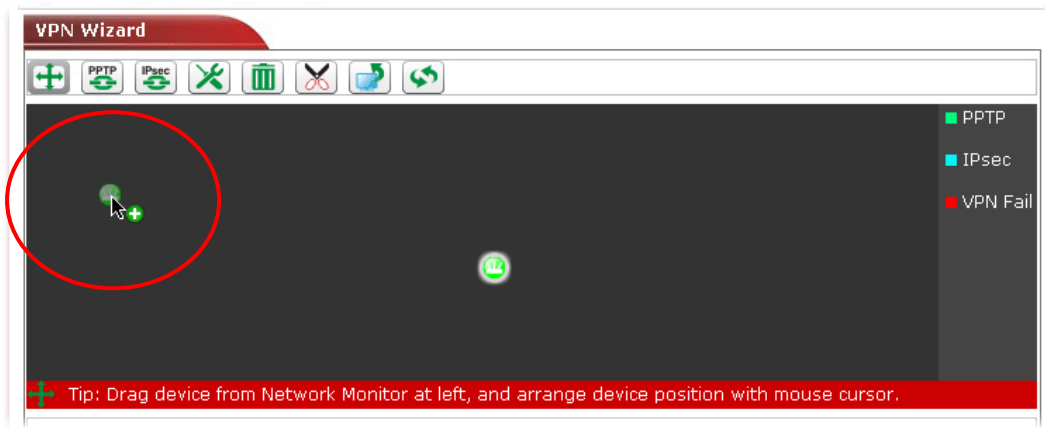
- Click the **Add device** button.



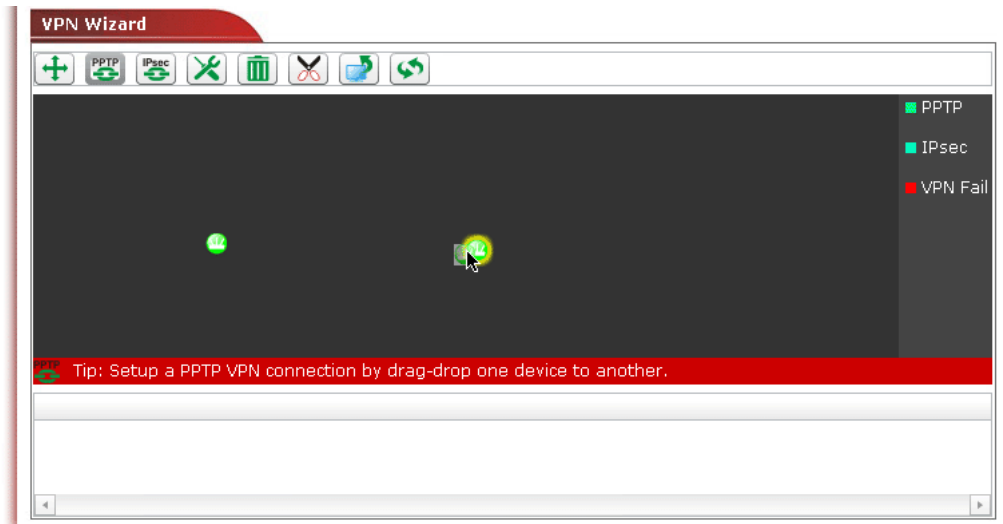
**Add device for VPN connection and topology arrangement**



4. Choose one device from the **Networks and Devices** that you want to build a VPN connection with the current selected device. **Drag** it from the **Networks and Devices** to the page of **Device Details**.



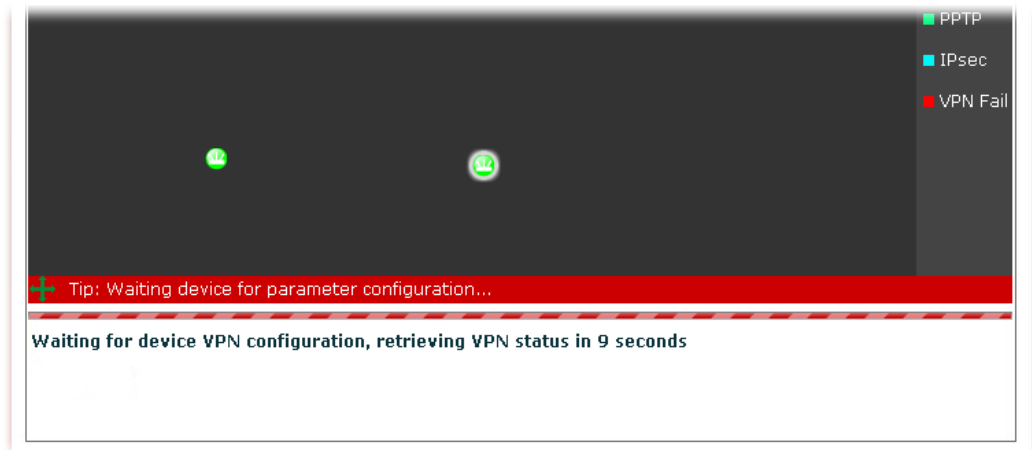
5. If you want to build VPN connection through PPTP or IPsec, click the PPTP or IPsec icon first. Then, drag one of the devices to the other.



6. A confirmation dialog will appear. Click **Yes**.



- Now, the system will configure parameters automatically between these two devices. Please wait patiently.

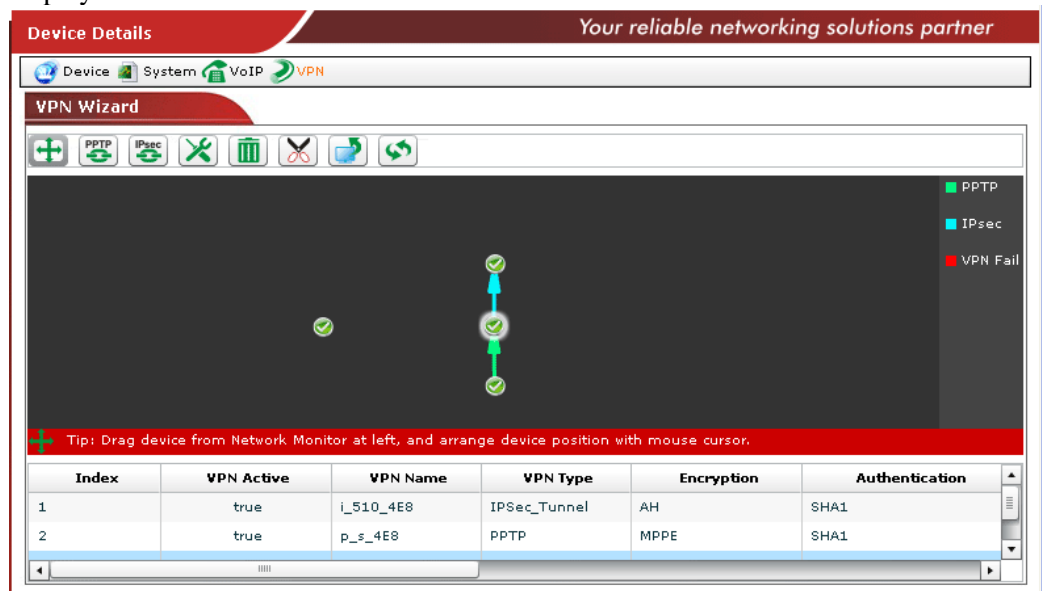


- When the VPN connection has been done, an arrow will appear and indicate the direction between these two devices. VPN connection information also will be displayed below the black area.
- Different colors for arrows represent different protocols used in VPN connections. Green means PPTP mode; blue means IPsec mode; and red means the VPN connection is failed.

## Building an Advanced VPN Connection

Please follow the steps to build an advanced VPN connection.

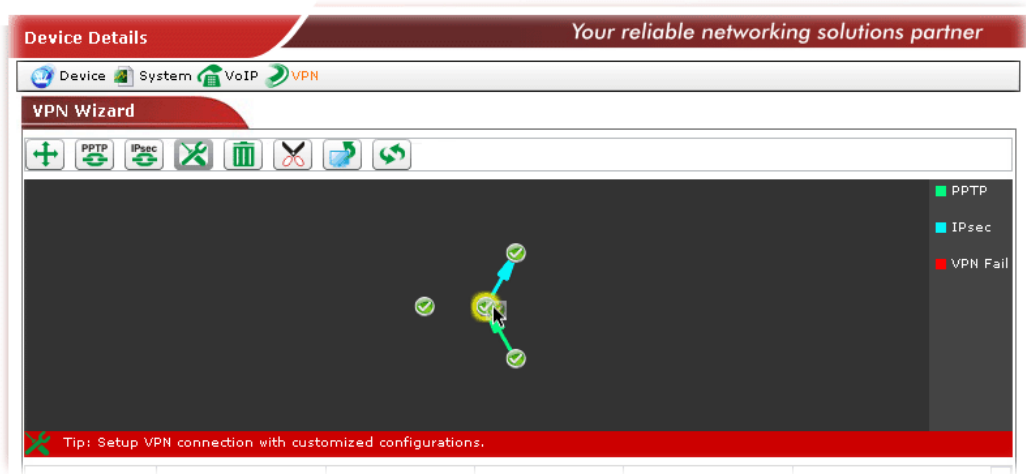
- Open **VPN>>VPN wizard**. You will get the following page. Selected CPE will be displayed in the middle of the screen. No other device connects to it.



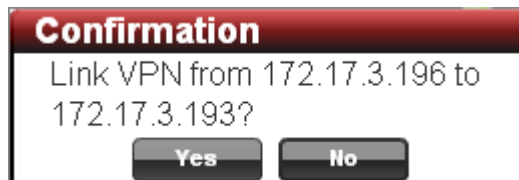
- Click the **Advance connection** button.



3. To build an advanced VPN connection through PPTP or IPsec, drag the selected CPE s to the one you want to build.



4. A confirmation dialog will appear. Click **Yes**.



5. A dialog appears as follows. Please set the corresponding parameters and settings manually and click **Connect**.

**Dial Type**

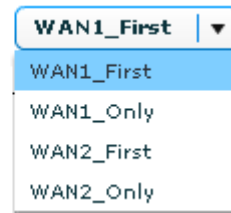
Choose PPTP or IPsec. Relational settings based on the

type you choose will be displayed below

### VPN Connection Through

Use the drop down list to choose one way for VPN connection.

VPN Connection Through:



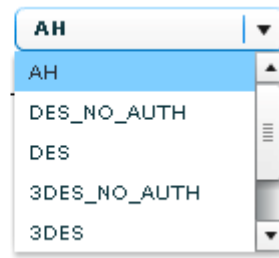
### PPTP

When you click PPTP as Dial Type, you have to fill the username and password, choose PPP Authentication and specify if VJ compression should be on or off for such connection.

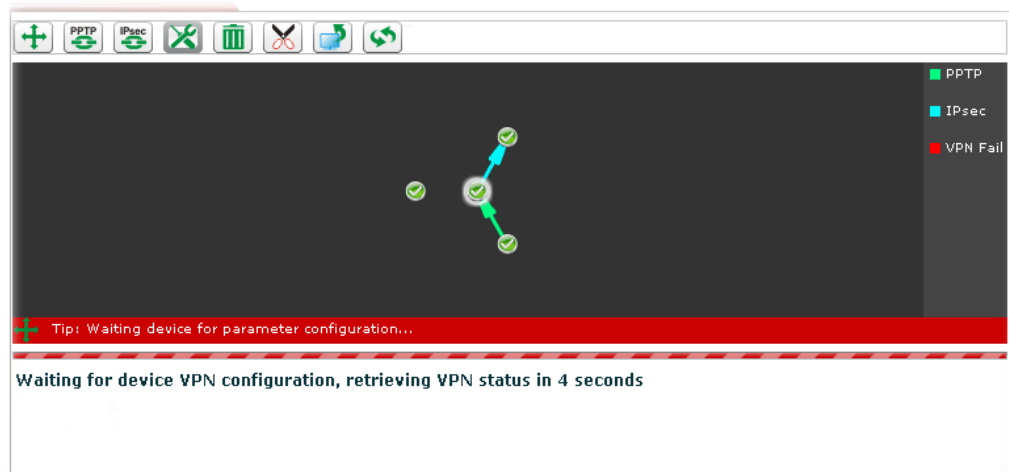
### IPSec

When you click IPSec as Dial Type, you have to type IKE Pre-Shared Key, and choose IPSec Security Method for such connection.

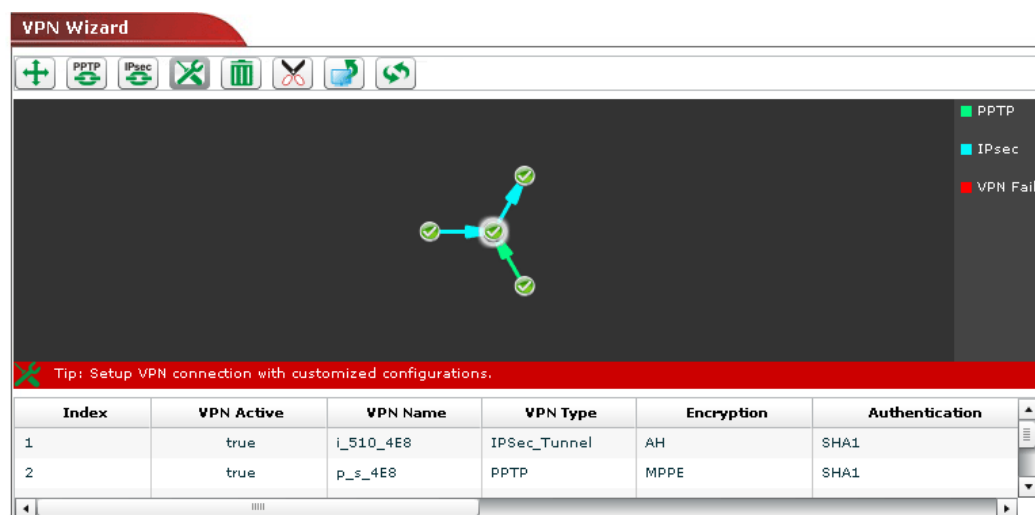
IPSec Security Method:



- Now, the system will configure parameters automatically between these two devices. Please wait patiently.




- When the VPN connection has been done, an arrow will appear and indicate the direction between these two devices. VPN connection information also will be displayed below the black area.



Different colors for arrows represent different protocols used in VPN connections. Green means PPTP mode; blue means IPSec mode; and red means the VPN connection is failed.

## Change LAN IP Setting

If there is LAN IP segment conflict in VPN connection, you can change the LAN IP setting for the device and avoid the conflict. Choose the device on the screen and click  **Change LAN IP Setting**. The following dialog will appear.

LAN IP Setting:Draytek\_Robin

Device ID: 1

Device IP: 172.17.3.191

LAN IP: 192.168.1.1

Subnet mask: 255.255.255.0

DHCP server enable: ☒

Start IP: 192.168.1.10

End IP: 192.168.1.59

Gateway: 192.168.1.1

Force DNS manual setting: ☐

Primary IP:

Change LAN IP

- Device ID** Display the identification number of the selected device (CPE).
- Device IP** Display the WAN IP address of the selected device (CPE).
- LAN IP** Display the LAN IP address of the selected device. You can change it with another IP address to avoid the conflict.



VPN Lan To Lan Setting

Profile Name:

i\_620\_678

Enable this profile:

☒

Call Direction:

☐ Dial-Out ☒ Dial-In

Server IP/Client IP:

Dial Type:

☐ PPTP ☒ IPSec

VPN Connection Through:

WAN1\_First

PPTP:

Username:

???

Password:

PPP Authentication:

PAP\_or\_CHAP

VJ Compression:

☒ on ☐ off

<b>Profile Name</b>	Display the profile name. Modify it if it is required.
<b>Enable this profile</b>	Check the box to enable such profile.
<b>Call Direction</b>	Specify which direction that such profile will use Dial-In or Dial-Out.
<b>Server IP /Client IP</b>	Type the IP address for the server / client.
<b>Dial Type</b>	Click the radio button to specify the dial type.
<b>VPN Connection Through</b>	Use the drop down list to choose one way for VPN connection.

**VPN Connection Through:**

WAN1\_First

WAN1\_First

WAN1\_Only

WAN2\_First

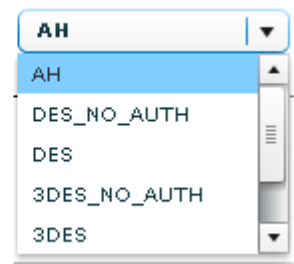
WAN2\_Only

<b>PPTP</b>	When you click PPTP as Dial Type, you have to fill the username and password, choose PPP Authentication and specify if VJ compression should be on or off for such connection.
<b>IPSec</b>	When you click IPSec as Dial Type, you have to type IKE Pre-Shared Key, and choose IPSec Security Method



for such connection.

IPSec Security Method:



### TCP IP Network Settings

**My WAN IP** – Specify the WAN IP address for the selected CPE.


**Remote Gateway IP** – Specify the IP address for the remote client.

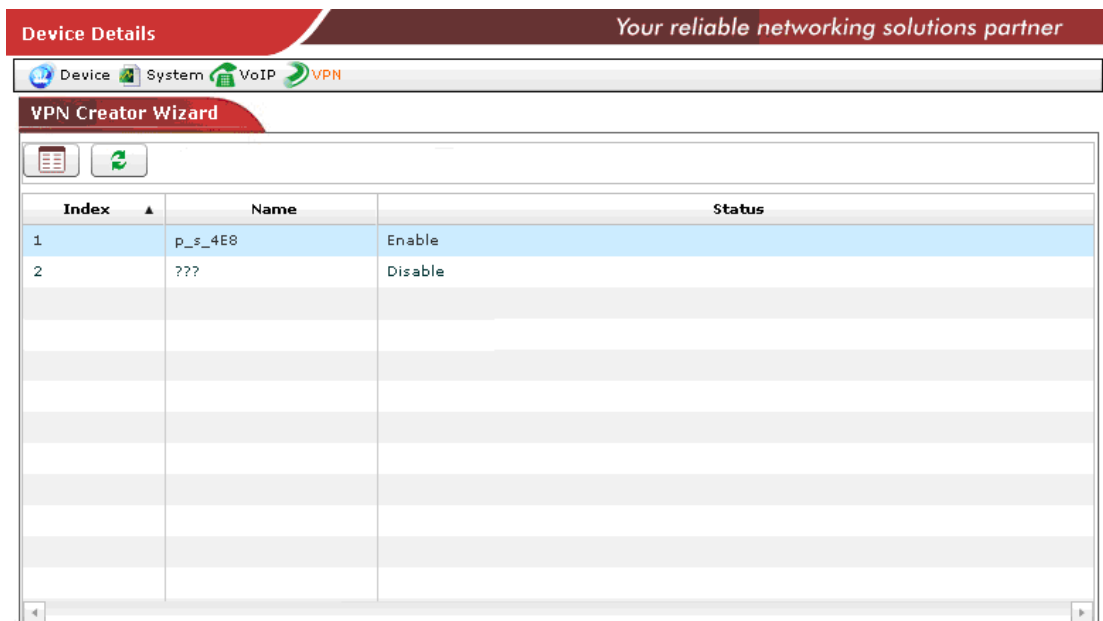
**Remote Network IP** – Specify the IP address for the remote server.

**Remote Network Mask** – Specify the network mask for the remote server.

Click **Apply** to save the configuration and exit such window.

### Adding New VPN Profile

To add a new LAN-to-LAN VPN profile, simply choose the one with the name (???) and click the **Detail** button . After typing the profile name and relational settings, click **Apply**. The new profile will be added and placed on the page.



**Index**

VigorACS SI allows you to create up to 32 index numbers (profiles).

**Name**

Display the name of the LAN-to-LAN profile.

**Status**

Display if such profile is enabled or disabled for such CPE.

## Checking VPN Connection Status

VPN Status displays VPN name, remote IP address, virtual network address, VPN type, VPN Active, encryption, authentication, transmission packets, transmission bytes, receiving packets, receiving rate, and connection time for the selected CPE.

The screenshot shows the 'Device Details' section with a red header. Below it is a navigation bar with 'Device', 'System', 'VoIP', and 'VPN' tabs. The 'VPN Status' section displays a table with the following data:

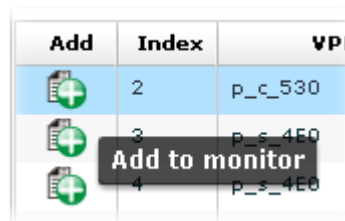
Add	Index	VPN Name	RemoteIP	VirtualNetwork	VPN Type	VPN Active
	1	i_4E0_510	172.17.3.192	192.168.20.0/24	IPSec_Tunnel	true
	2	p_c_530	172.17.3.194	192.168.40.0/24	PPTP	true
	3	p_s_4E0	172.17.3.194	192.168.20.0/24	PPTP	true

Below the VPN Status section is the 'VPN Monitor' section, which displays a table with the following data:

Profile Name	Remote IP
p_c_530	172.17.3.194

### Add to monitor

Make the selected VPN tunnel to be monitored and display in the field of VPN Monitor.



Choose any one of the CPEs (or profiles) and click **Add to monitor** button to make the selected one to be monitored by VigorACS.

### Index

Display the number of the VPN tunnel.

### VPN Name

Display the VPN profile name that created by using **VPN Wizard** or **VPN creator wizard**.

### Remote IP

Display the IP address that the VPN tunnel connected.

### Virtual Network

Display the private IP address with subnet mask.

### VPN Type

Display the connection type used by such VPN tunnel.

### VPN Active

Display the status of such VPN tunnel. “**true**” means the VPN tunnel has be connected; “**false**” means the VPN tunnel has be disconnected.

### Encryption

Display the method for encryption used by such VPN tunnel.

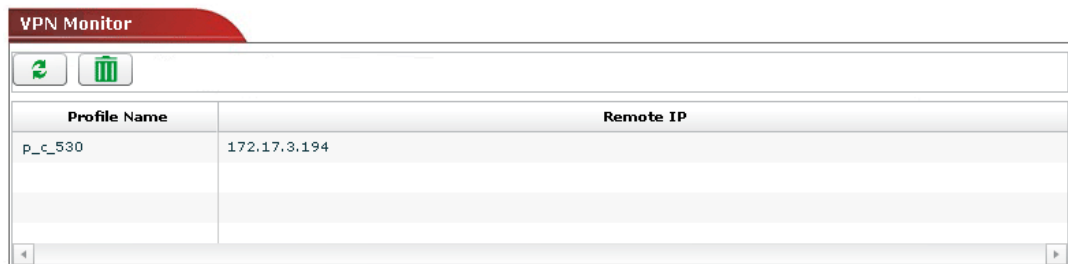
### Authentication

Display the mode for authentication used by such VPN tunnel.

<b>Tx Packets</b>	Display the packet size of the transmitted data.
<b>Tx Bytes</b>	Display the size of the transmitted data.
<b>Rx Packets</b>	Display the packet size of the received data.
<b>Rx Rate</b>	Display the receiving rate for data receiving.
<b>Up Time</b>	Display the connection time for such VPN tunnel.

## Monitoring VPN Tunnel

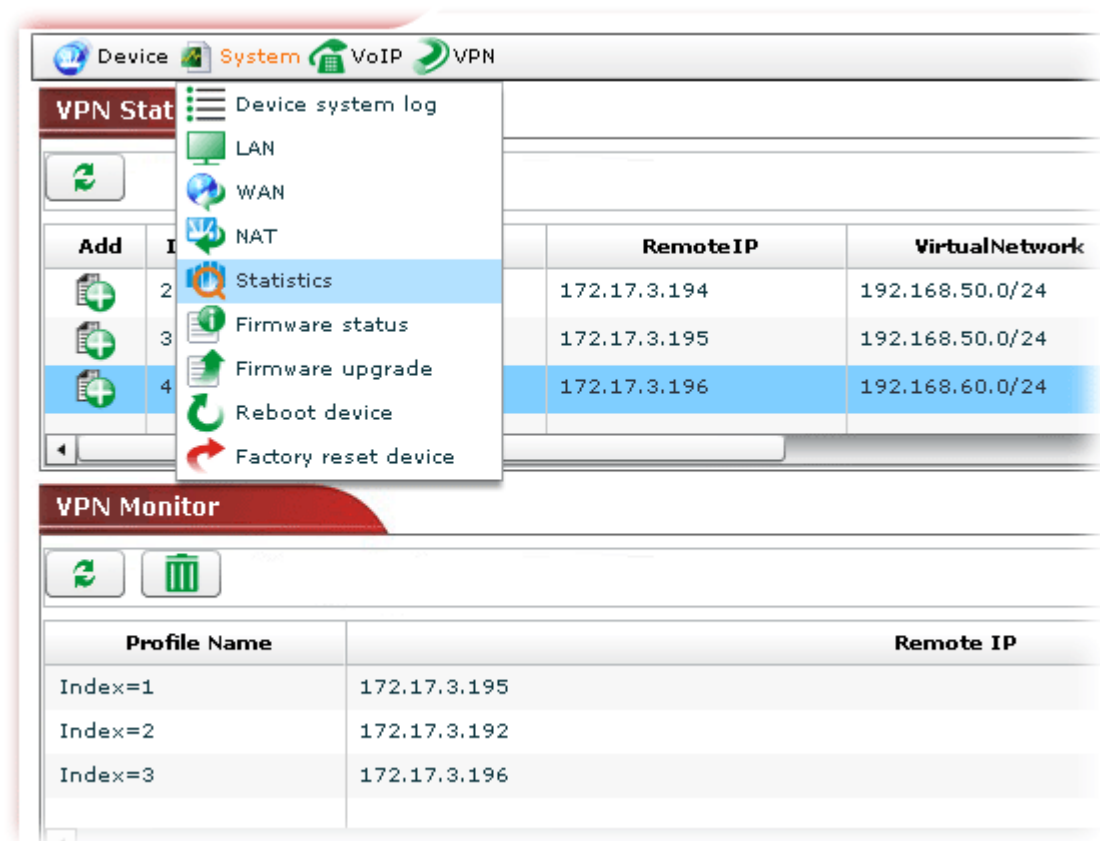
In the **VPN Status** page, basic information for each VPN tunnel will be shown on the screen. However, if you want to check the total traffic of VPN tunnel, you have to do the job of VPN Monitor.



Profile Name	Remote IP
p_c_530	172.17.3.194

<b>Name</b>	Display the name of the profile.
<b>Profile Name</b>	Display the name listed in VPN Name field.
<b>Remote IP</b>	Display the IP address that the VPN tunnel connected.

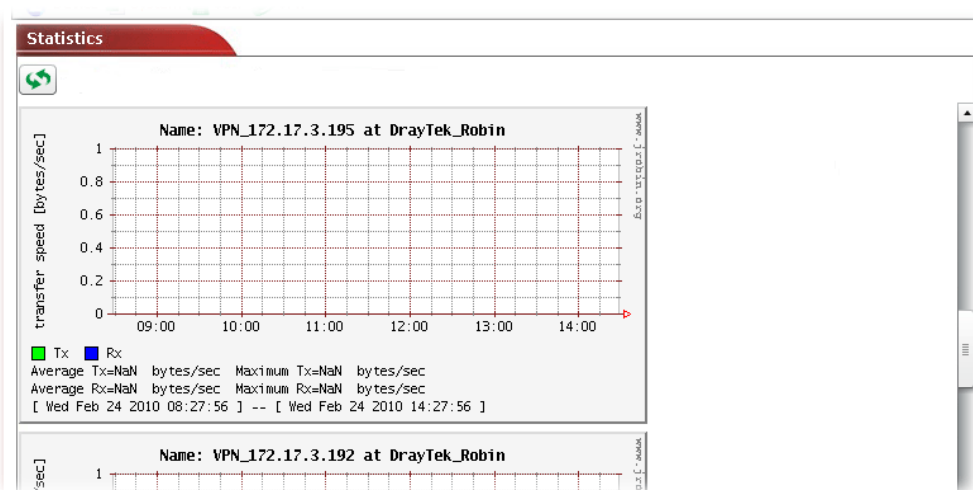
Choose the VPN tunnel(s) (in this case, Index=1, Index=2 and Index=3 are selected) that you want to monitor and click the **Add to monitor** icon. Next, open **System >> Statistics**.



The screenshot shows the DrayTek VPN configuration interface. On the left, the **VPN Stat** menu is open, showing options: Device system log, LAN, WAN, NAT, Statistics (highlighted), Firmware status, Firmware upgrade, Reboot device, and Factory reset device. The **VPN Monitor** table is visible below the menu, showing the following data:

Index	Profile Name	Remote IP	VirtualNetwork
1	Index=1	172.17.3.195	192.168.50.0/24
2	Index=2	172.17.3.192	192.168.50.0/24
3	Index=3	172.17.3.196	192.168.60.0/24

The statistics for the above three profiles will be displayed on the screen as shown below.



## 4.2 Wizard

### 4.2.1 Backup configuration

Such page allows you to do backup operation for specified CPEs (devices) immediately or within a specified period.

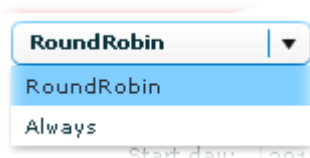
Name	Model name	Firmware version	Modem version	Backup
Main network(6)				<input type="checkbox"/>

#### Backup Type

Use the drop down list to choose the backup type for such action.

**RoundRobin** – Choose this type to execute the backup (with global settings). The backup files will be recorded with the filename from *1.cfg* to *20.cfg*. Only 20 filenames will be kept in the same directory.

**Always** – Choose this type to execute the backup (with global settings) according to the schedule. The backup files will be recorded with the filename one by one (e.g, *1.cfg*, *2.cfg*,..., *1000cfg*,..., *10000cfg*,...no limit in file number). All of the backup files will be kept in the same directory.



#### Period(days)

Determine the frequency for the configuration backup performed by VigorACS. The default value is 1 day.

#### Backup time

**Now** – To perform the firmware backup immediately, choose this one and click **Apply**.

**Schedule** – To specify a certain time to perform firmware backup, choose this one and specify start day, start time and end time respectively. After finishing the configuration, click Apply. VigorACS will perform

firmware backup operation for the selected CPE (s) according to the schedule set here.

**Start day** – Use the drop down calendar to specify the day you want to start the firmware backup.

**Start time** - Use the drop down menu to specify the hour and minutes you want to start firmware backup.

**End time** - Use the drop down menu to specify the hour and minutes you want to finish the firmware backup.

#### Selected devices

Choose the device that you want to do firmware backup. Please check the box of **Backup**, otherwise, the firmware backup will not be performed after clicking **Apply**.

#### Apply

Execute the action of firmware backup.

## 4.2.2 Restore configuration

Such page allows you to do firmware restoration for specified CPEs (devices) immediately or within a specified period.

**DrayTek VigorACS**  
Your reliable networking solutions partner

**RestoreWizard**

Restore time: ☒ Now ☐ Schedule

Start day: 2010-01-22 Start time(HH:MM): 00 : 00 End time(HH:MM): 23 : 59

Select devices:

Name	Model name	Firmware version	Modem version	File List	Restore
Main network(6)					<input type="checkbox"/>

Apply

#### Restore time

**Now** – To perform the firmware restoration immediately, choose this one and click **Apply**.

**Schedule** – To specify a certain time to perform firmware restoration, choose this one and specify start day, start time and end time respectively. After finishing the configuration, click Apply. VigorACS will perform firmware restoration operation for the selected CPE (s) according to the schedule set here.

**Start day** – Use the drop down calendar to specify the day you want to start the firmware restore.

**Start time** - Use the drop down menu to specify the hour and minutes you want to start firmware restore.

**End time** - Use the drop down menu to specify the hour and minutes you want to finish the firmware restore.

## Selected devices

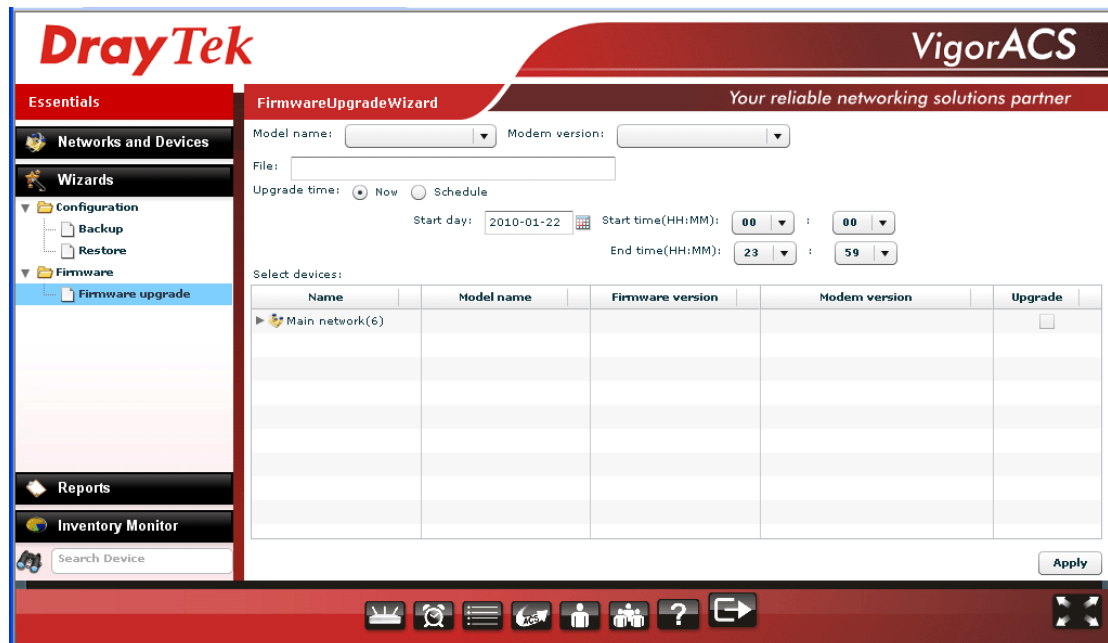
Choose the device that you want to do firmware restore. Please check the box of **Restore**, otherwise, the firmware restoration will not be performed after clicking **Apply**.

## Apply

Execute the action of firmware restoration.

## 4.2.3 Firmware upgrade

Firmware upgrade wizard allows you to upgrade firmware for CPEs in specified time or immediately.



## Model name

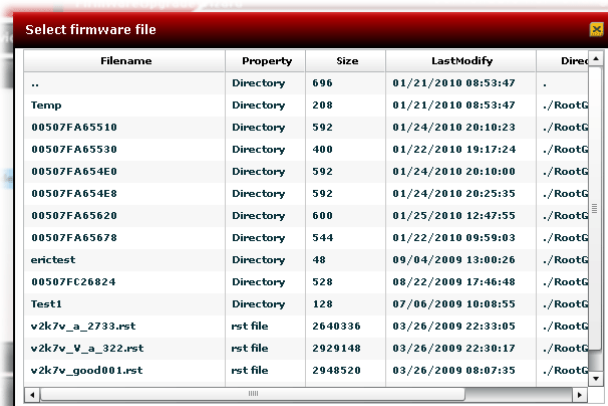
Choose the model name. The related devices will be available for you to choose under Select devices.

## Modem version

Display the type (Annex A or Annex B) of the router with type version such as *211011\_A Hardware: Annex*.

## File

Specify a firmware to be used for upgrading the selected CPE(s). Click the blank area to display the following dialog.



Double click the item until the *rst* file is selected.

## Upgrade time

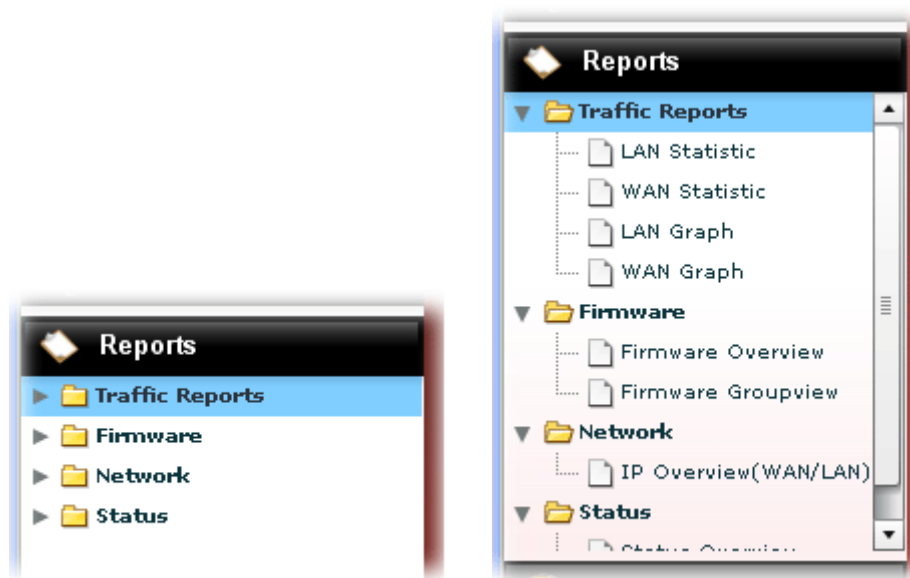
**Now** – To perform the firmware upgrade immediately, choose this one and click **Apply**.

	<p><b>Schedule</b> – To specify a certain time to perform firmware upgrade, choose this one and specify start day, start time and end time respectively. After finishing the configuration, click Apply. VigorACS will perform firmware upgrade operation for the selected CPE (s) according to the schedule set here.</p> <p><b>Start day</b> – Use the drop down calendar to specify the day you want to start the firmware upgrade.</p> <p><b>Start time</b> - Use the drop down menu to specify the hour and minutes you want to start firmware upgrade.</p> <p><b>End time</b> - Use the drop down menu to specify the hour and minutes you want to finish the firmware upgrade.</p>
<b>Selected devices</b>	<p>Choose the device that you want to do firmware backup. Please check the box of <b>Upgrade</b>, otherwise, the firmware upgrade will not be performed after clicking <b>Apply</b>.</p>
<b>Apply</b>	<p>Execute the action of firmware upgrade.</p>



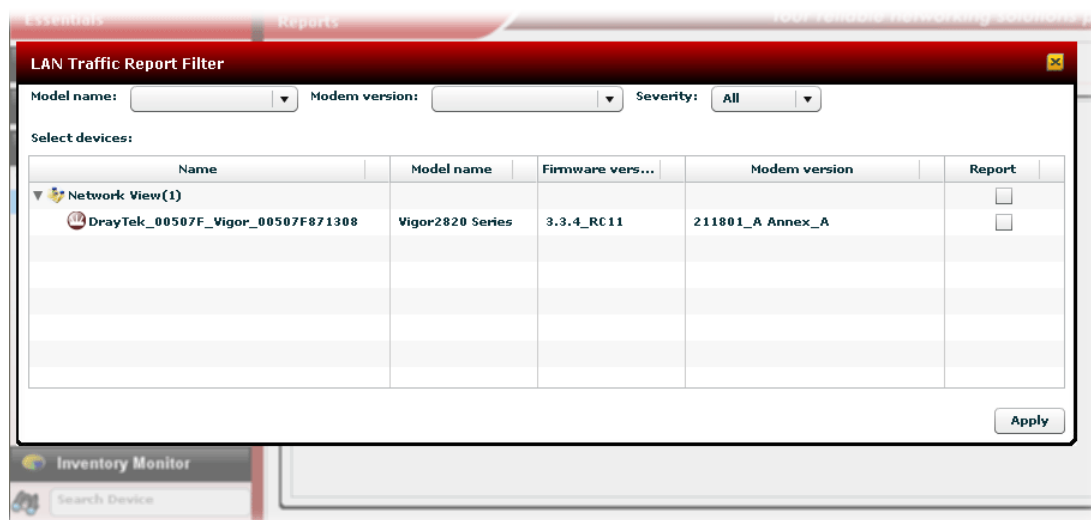
## 4.3 Reports

VigorACS allows you to print reports with PDF files. There are three types of reports that you can check and print out. Each type contains several items.



### 4.3.1 LAN/WAN Statistics

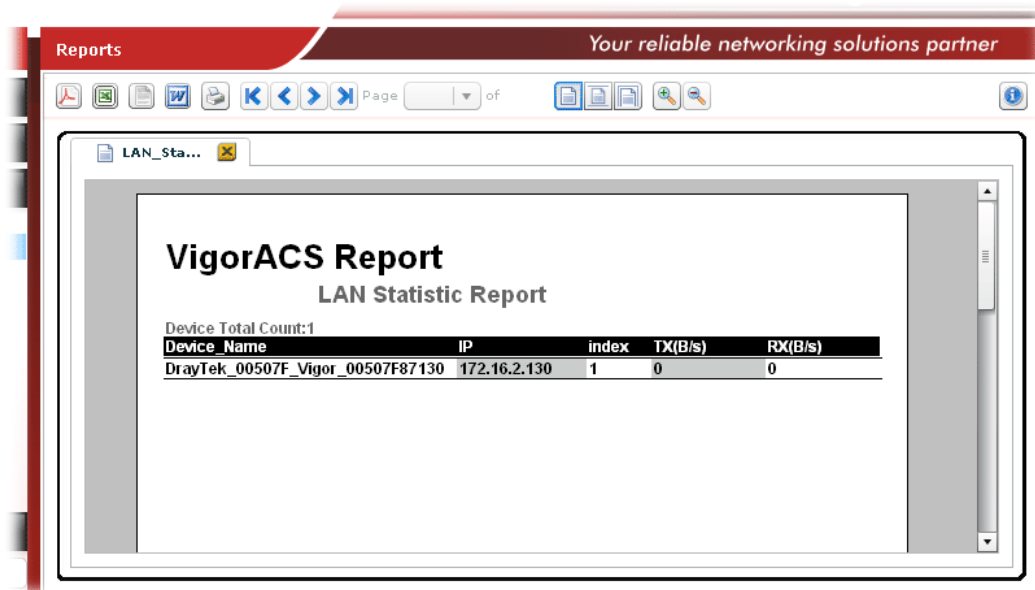
Move your mouse to the items you want to print out and click on it. A dialog box will appear. Take **LAN Statistics** as an example.



All the CPEs on the same network group will be displayed. Please choose the one(s) you want to print out and check the **Report** box.

Name	Model name	Firmware ve...	Modem version	Report
Main network(6)				<input type="checkbox"/>
Marketing(1)				<input type="checkbox"/>
Draytek_Robin	Vigor2820 Series	beta_0414	211011_A Annex_A	<input checked="" type="checkbox"/>
Draytek_Alana	Vigor2820 Series	beta_0414	211011_A Annex_A	<input type="checkbox"/>

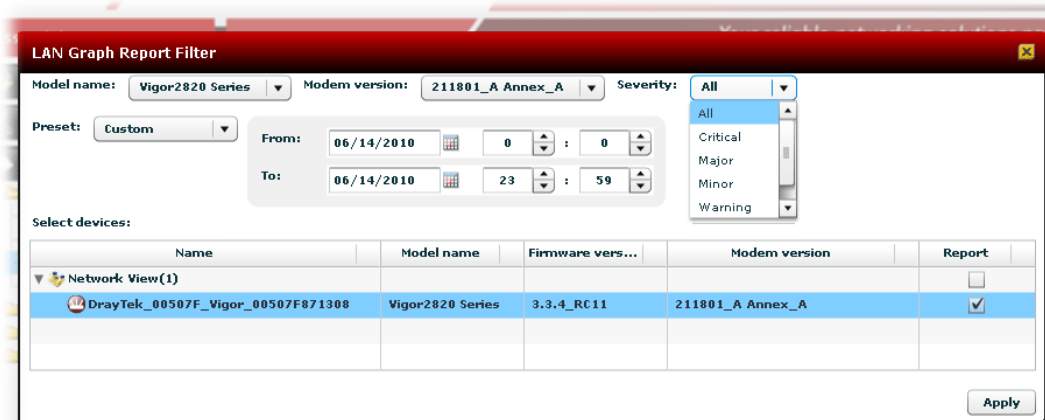
Next, please **Apply**. **VigorACS Report** containing all the records of LAN configuration for the selected CPE will be shown as the following.



Now, you can print such report as a PDF file or print it out via specified printer.

### 4.3.2 LAN/WAN Graphic

Move your mouse to the items you want to print out and click on it. A dialog box will appear. Take **LAN Graphic** as an example.



The dialog box titled "LAN Graph Report Filter" contains the following fields and controls:

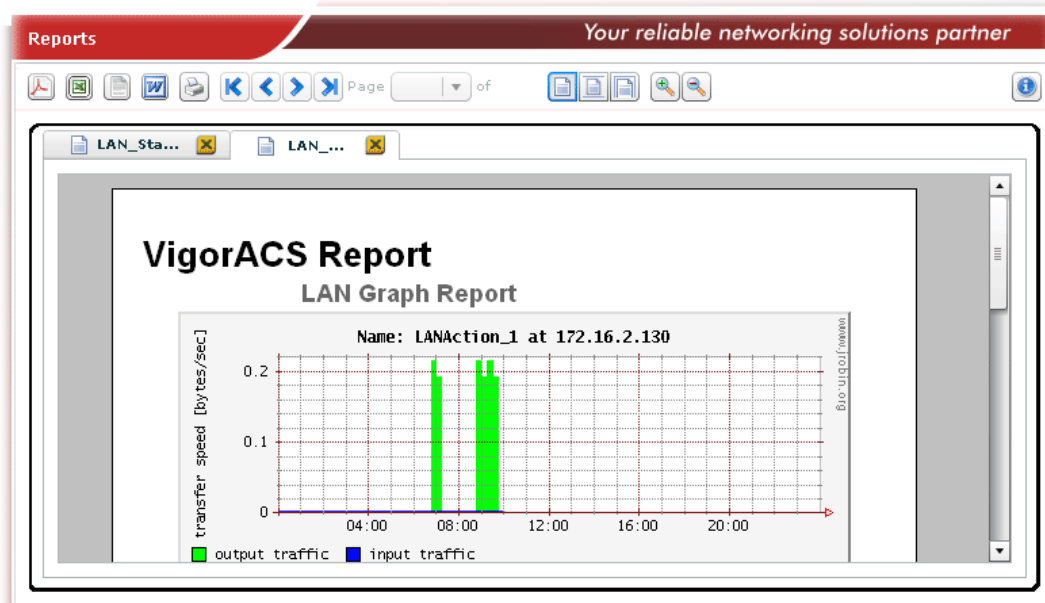
- Model name:** Vigor2820 Series
- Modem version:** 211801\_A Annex\_A
- Severity:** All (dropdown menu with options: All, Critical, Major, Minor, Warning)
- Preset:** Custom
- From:** 06/14/2010 00:00
- To:** 06/14/2010 23:59
- Select devices:** A table with columns: Name, Model name, Firmware vers..., Modem version, and Report.

Name	Model name	Firmware vers...	Modem version	Report
Network View(1)				
DrayTek_00507F_Vigor_00507F871308	Vigor2820 Series	3.3.4_RC11	211801_A Annex_A	<input checked="" type="checkbox"/>

An **Apply** button is located at the bottom right.

All the CPEs on the same network group will be displayed. Please choose the one(s) you want to print out and check the **Report** box.

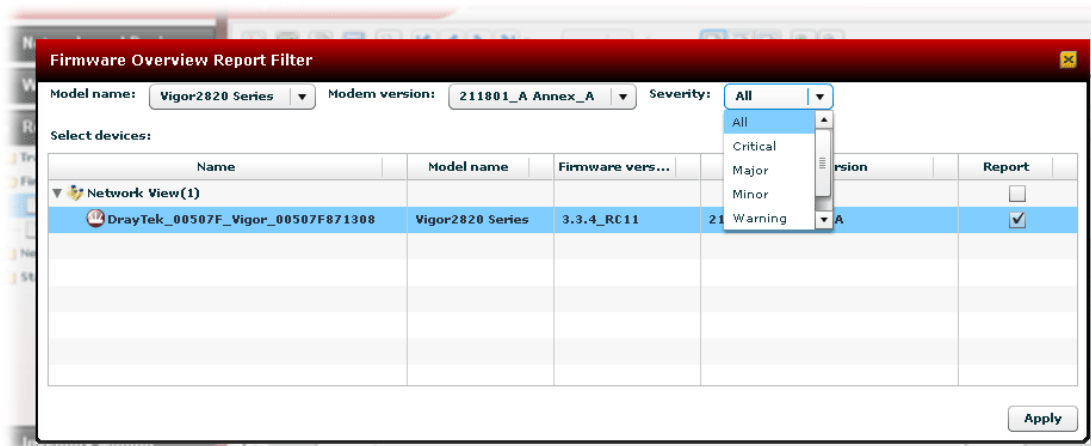
Next, please **Apply**. **VigorACS Report** containing all the records of LAN configuration for the selected CPE will be shown as the following.



Now, you can print such report as a PDF file or print it out via specified printer.

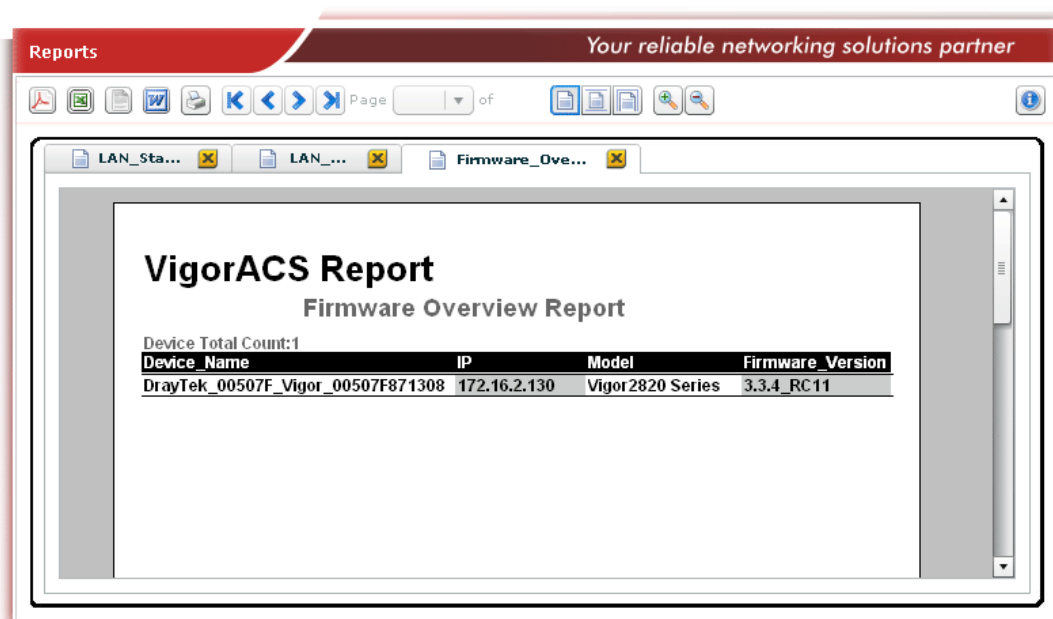
### 4.3.3 Firmware Overview

Choose **Firmware Overview** from **Reports**. A dialog box will appear.



All the CPEs on the same network group will be displayed. Please choose the one(s) you want to print out and check the **Report** box.

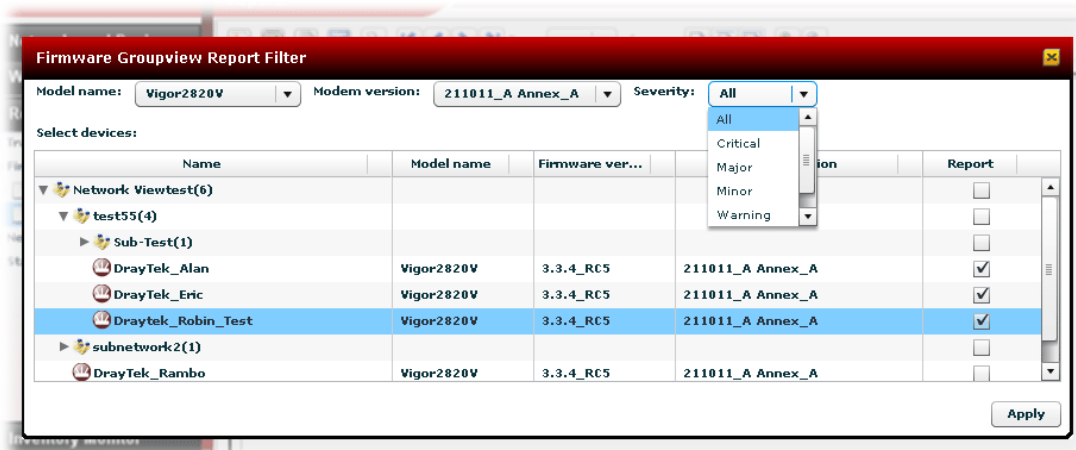
Next, please **Apply**. **VigorACS Report** containing all the records of LAN configuration (device name, IP address, Model and Firmware version) ordered with device names for different CPEs will be shown as the following.



Now, you can print such report as a PDF file or print it out via specified printer.

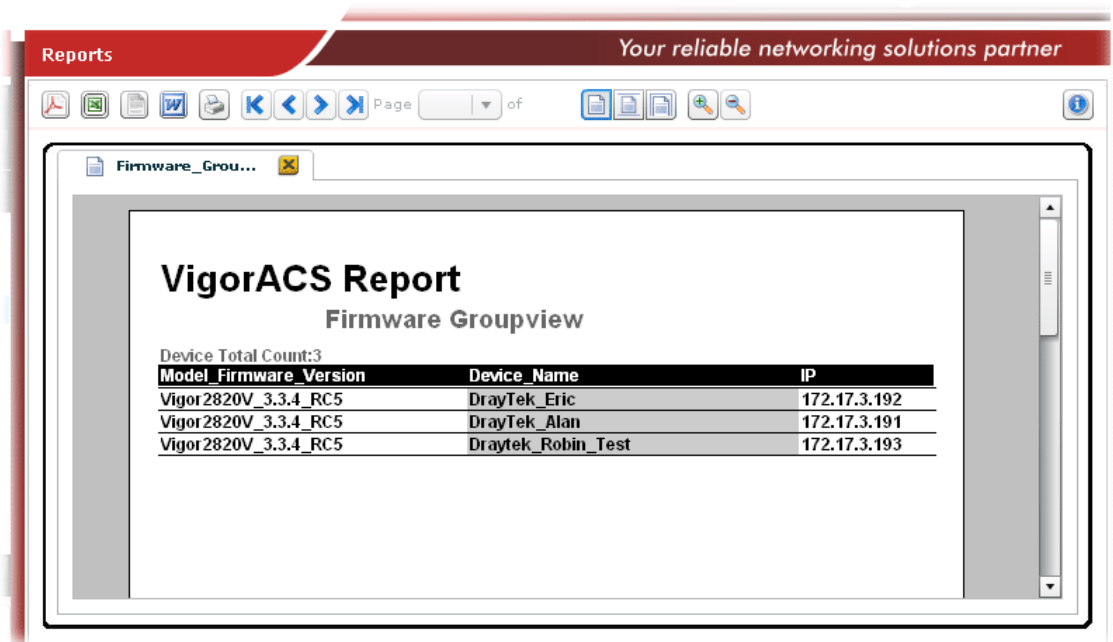
### 4.3.4 Firmware Groupview

Choose **Firmware Groupview** from **Reports**. A dialog box will appear.



All the CPEs on the same network group will be displayed. Please choose the one(s) you want to print out and check the **Report** box.

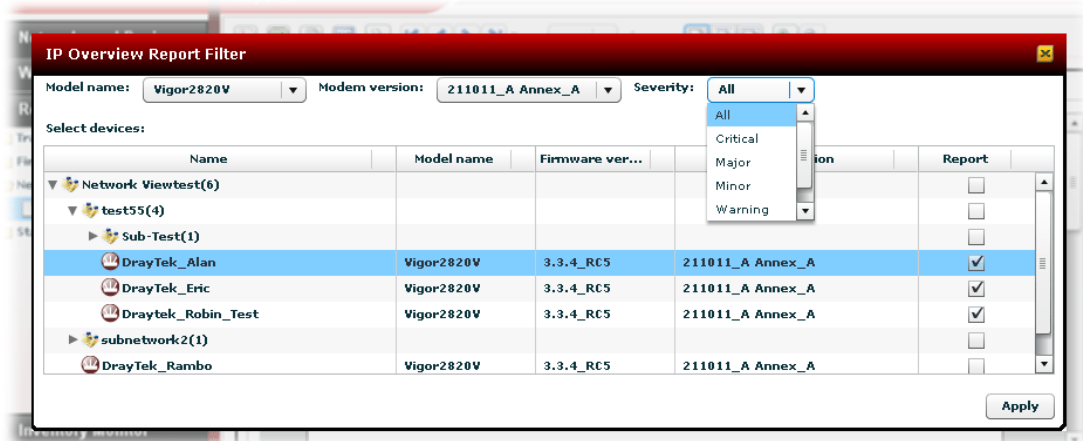
Next, please **Apply**. **VigorACS Report** containing the records of LAN configuration (model name + firmware version, device name and IP address) ordered with model and firmware version for different CPEs will be shown as the following.



Now, you can print such report as a PDF file or print it out via specified printer.

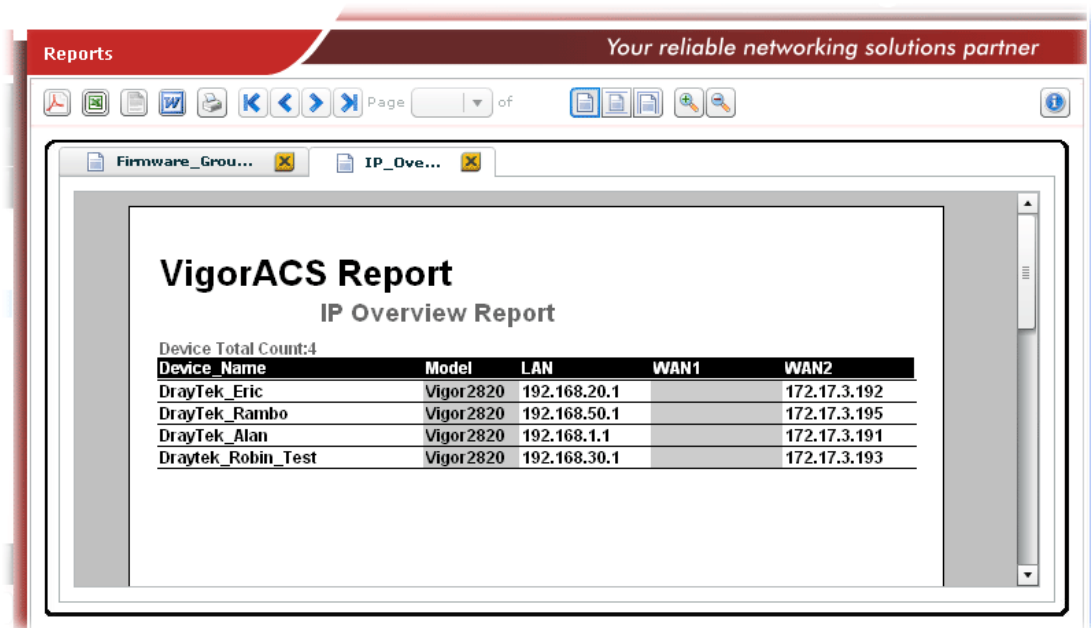
### 4.3.5 Network IP Overview

Choose **IP Overview** from **Reports**. A dialog box will appear.



All the CPEs which match the conditions specified in Model name and Modem version will be displayed. Please choose the one(s) you want to print out and check the **Report** box.

Next, please **Apply**. **VigorACS Report** containing the records of LAN/WAN configuration ordered with device names for different CPEs will be shown as the following.



Now, you can print such report as a PDF file or print it out via specified printer.

## 4.4 Inventory Monitor

Here, VigorACS SI provides another view for displaying the controlled CPEs. In this view, devices will be divided and categorized with the model series, such as Vigor2820 series, Vigor5510 series, and so on.



This page is left blank.



# Chapter 5 Alarm Information

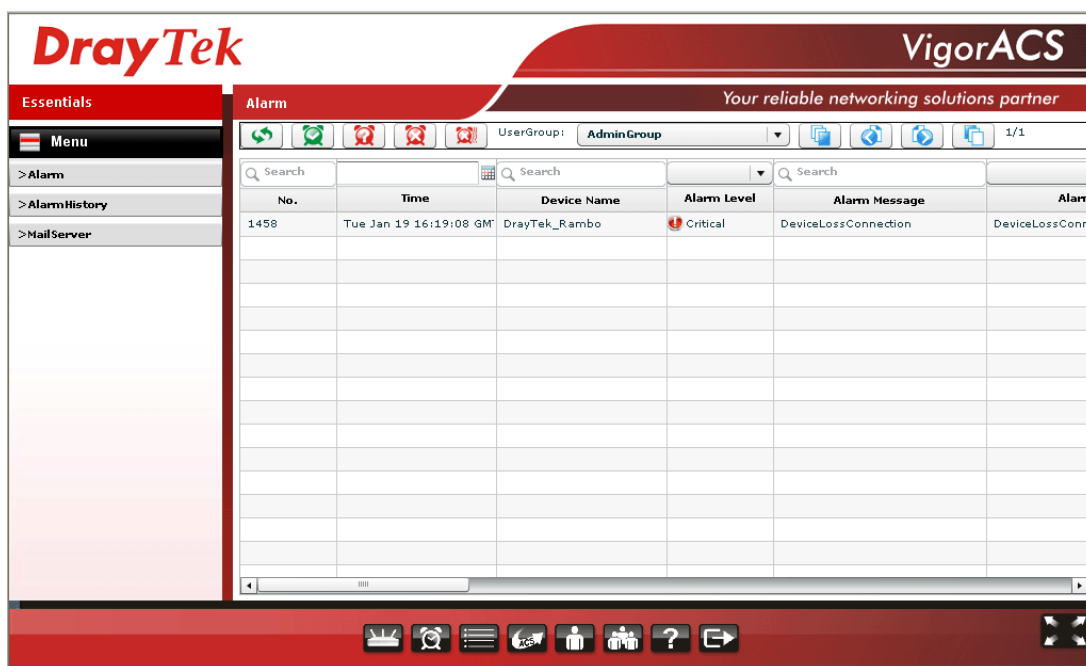
To monitor the normal and abnormal actions for CPEs, you will need to set Alarm.



When there is something wrong happened to CPE, an alarm message will be sent to VigorACS, recorded on VigorACS database and displayed on **Alarm** page. The abnormal condition for CPE is determined by the value of threshold. That's, if the data traffic does not fit the settings (threshold and threshold value) configured in Alarm page or something wrong happened to CPE, an alarm message will be recorded and kept till it is cleared by VigorACS automatically.

## 5.1 Alarm

Alarm message will be recorded on VigorACS server when there is a trouble happened to the device (CPE). Only the users within the same user group will be notified for the message.



**Refresh**

Click this button to refresh this page.



**Ack Alarm**

Click this button to make the alarm being captured based on the threshold value and waiting for solving manually.



**UnAck Alarm**

Disable the Ack Alarm mechanism.



**Clear Alarm**

Click this button to clear the alarm record which has been solved by VigorACS.



**Clear All Alarm**

Click this button to clear all of the alarm records which has been solved by VigorACS.

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**

When there is more than one page for the alarm records in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the alarm records in this user group, click this button to display the previous page.



**Next**

When there is more than one page for the alarm records in this user group, click this button to display the next page.



**Last**

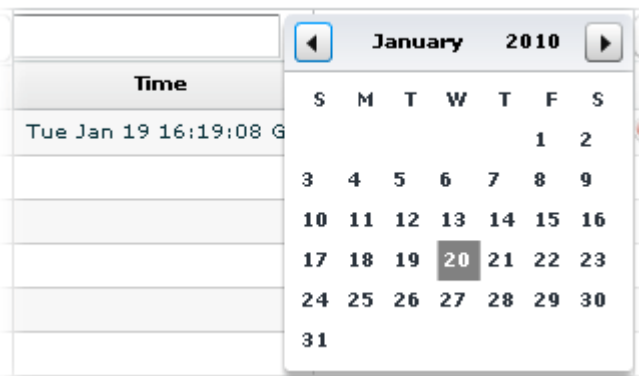
When there is more than one page for the alarm records in this user group, click this button to display the last page.

**No.**

Display the index number of the alarm. It is offered by VigorACS automatically.

**Time**

Display the time of the alarm recorded. You can use the drop down calendar to inspect other alarms.

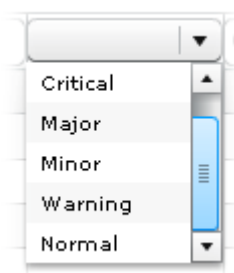


**Device Name**

Display the name of the CPE which gets trouble.

**Alarm Level**

Choose one of the alarm levels from the drop down list to display the alarm message with the severity specified.

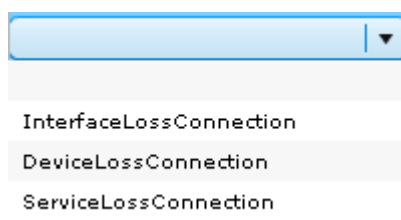


**Alarm Message**

Display a brief explanation for the alarm sent by VigorACS automatically.

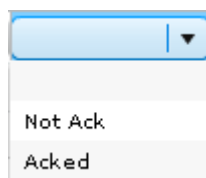
**Alarm Type**

There are three types of Alarm Type. Choose any one of them to display the alarm message with the type specified.



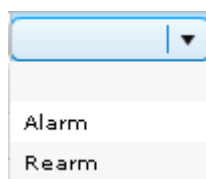
**Ack Status**

Display the status of the records with the type specified here (Not Ack or Acked).



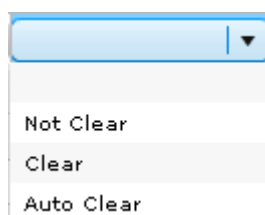
**Alarm Status**

Display the status of the records with the type specified here (Alarm or Rearm).



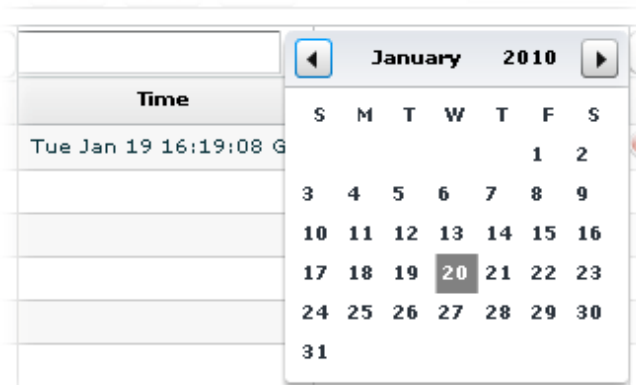
**Clear Status**

Display the clear status for the alarm records. To view different clear status, use the drop down list to specify the one you want to see on the screen.



**Ack Time**

Display the record (waiting for solving) based on the date chosen here.

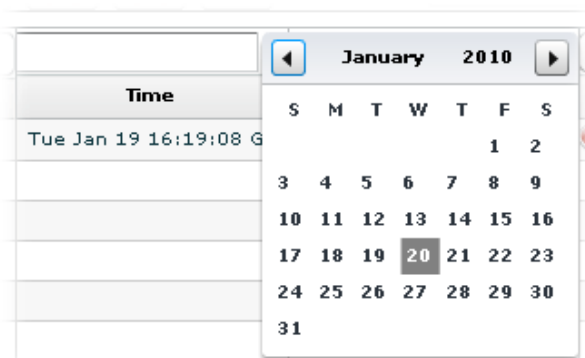


### Ack User

Display the record (waiting for solving) based on the user accounts.

### Clear Time

Alarm message record cleared by user will be removed to **Alarm History**. Choose the date to display the removed record.



### Clear User

Display which user clears such record.

### UnAck Time

Display the cancelled job of the record (waiting for solving) based on the date chosen here.

### UnAck User

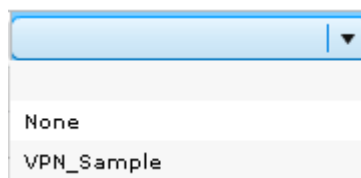
Display which user cancels the job of the record.

### Parameter

VigorACS will send the alarm based on the parameter specified here. User will know which parameter got troubles when he/she receives the alarm messages.

### Parameter Group

Display the alarm record based on the VPN group selected here.

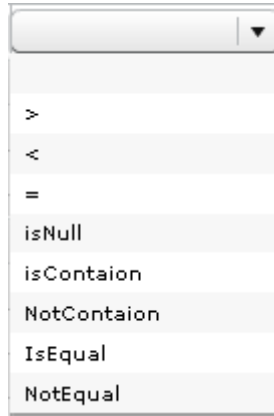


### Value

Display the threshold value that VigorACS will send alarm message to the CPE.

### Threshold

Set the condition for data traffic.



**>** - when the threshold value is greater than the configured value, an alarm message will be sent out.

**<** - when the threshold value is smaller than the configured value, an alarm message will be sent out.

**=** - when the threshold value equals to the configured value, an alarm message will be sent out.

**isNull** - when the threshold value is null, an alarm message will be sent out.

**isContain** - when the threshold value contains the configured value, an alarm message will be sent out.

**NotContain** - when the threshold value does not contain the configured value, an alarm message will be sent out.

**IsEqual** - when the threshold value equals to the configured value, an alarm message will be sent out.

**NotEqual** - when the threshold value does not equal to the configured value, an alarm message will be sent out.

Set the value to fit the requirement of threshold.

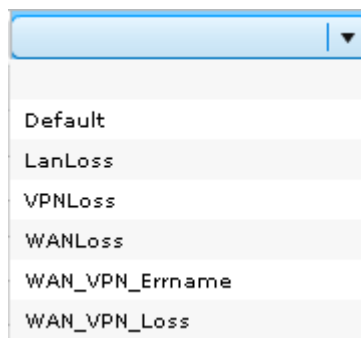
## Threshold Value

## Rearm

For cleaning an alarm record, please configure Rearm value.

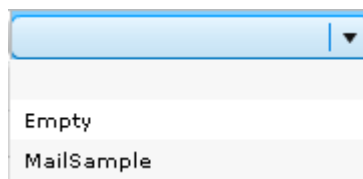
## Alarm Profile

VigorACS server will check LAN, VPN, WAN parameters for CPE. If it is unable to get the corresponding parameters from CPE, the system will judge there is something wrong with the CPE. Then, alarm message will be displayed on this page. Choose one of the conditions from the drop down list to set the alarm profile for data inspection.



## Alarm Group

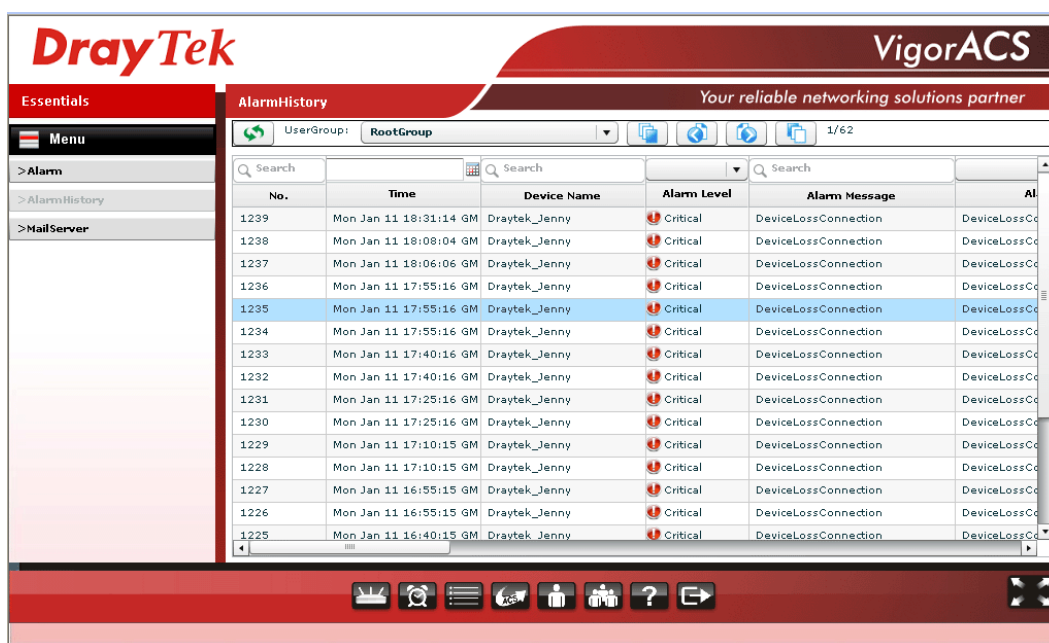
If you want to notify someone by using e-mail, please choose **MailSample**. In default, the default setting is **Empty**.



A dropdown menu with a blue header bar and a downward arrow. The menu is open, showing two options: 'Empty' and 'MailSample'.

## 5.2 AlarmHistory

This page will display all the alarm records that have been solved and cleared.



The screenshot shows the VigorACS web interface. The top header includes the DrayTek logo and 'VigorACS' with the tagline 'Your reliable networking solutions partner'. The left sidebar has a 'Menu' section with options like 'Alarm', 'AlarmHistory', and 'MailServer'. The main content area is titled 'AlarmHistory' and shows a table of alarm records. The table has columns for 'No.', 'Time', 'Device Name', 'Alarm Level', 'Alarm Message', and 'Alarm Group'. The 'Alarm Group' column is currently set to 'Empty'. The table lists 15 records, all with 'Critical' alarm levels and 'DeviceLossConnection' messages. A 'Refresh' button is located at the bottom left of the table area.

No.	Time	Device Name	Alarm Level	Alarm Message	Alarm Group
1239	Mon Jan 11 18:31:14 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1238	Mon Jan 11 18:08:04 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1237	Mon Jan 11 18:06:06 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1236	Mon Jan 11 17:55:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1235	Mon Jan 11 17:55:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1234	Mon Jan 11 17:55:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1233	Mon Jan 11 17:40:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1232	Mon Jan 11 17:40:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1231	Mon Jan 11 17:25:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1230	Mon Jan 11 17:25:16 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1229	Mon Jan 11 17:10:15 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1228	Mon Jan 11 17:10:15 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1227	Mon Jan 11 16:55:15 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1226	Mon Jan 11 16:55:15 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo
1225	Mon Jan 11 16:40:15 GM	Draytek_Jenny	Critical	DeviceLossConnection	DeviceLossCo



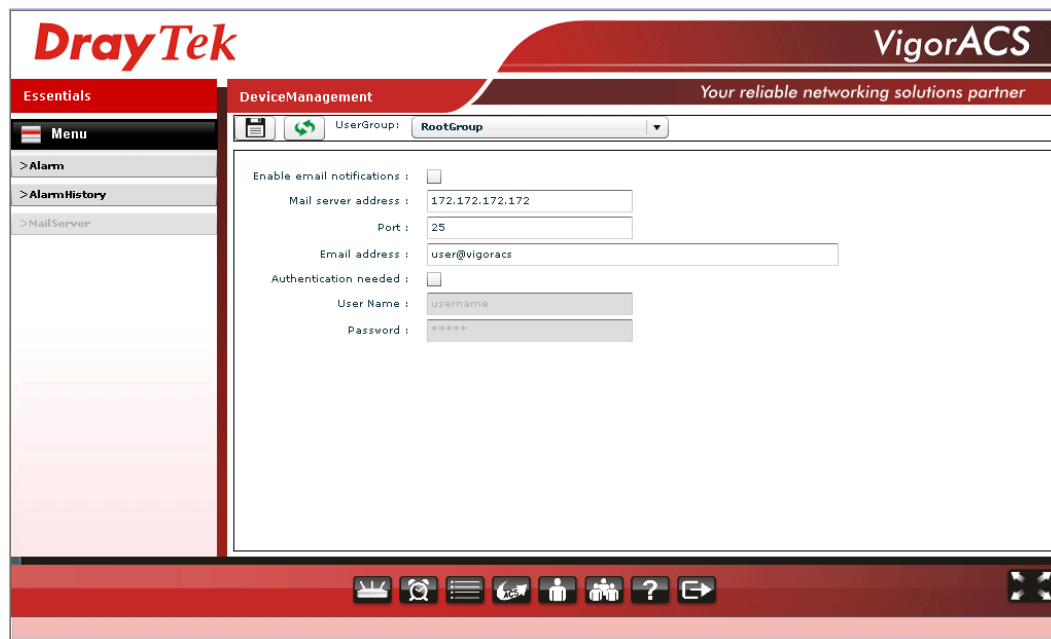
**Refresh**

Click this button to refresh this page.

As for detailed information of each item (such as No., Time, Device Name, Alarm Level, Alarm Message....) in AlarmHistory, please refer to section 5.1.

## 5.3 Mail Server

VigorACS can notify the user by e-mail whenever an error is detected.



**Save mail server setting**

Click this button to save the settings configured in this page.



**Refresh mail server setting**

Click this button to refresh this page.

**Enable email notifications**

Check this box to enable such function.

**Mail server address**

Type the IP address of the mail server for VigorACS.

**Port**

Type the port number of the mail server.

**Email address**

Type the email address of the mail server.

**Authentication needed**

Check this box to make an authentication before sending an e-mail notification to the device.

**Username**

Type a username for authentication.

**Password**

Type a password for authentication.

## 5.4 Latest Alarms

The latest alarm will be displayed on the home page, tabbed with Latest Alarms. If the area is blank, it means there is no alarm or the alarm has been solved and cleared.

The screenshot displays the DrayTek VigorACS web interface. The top header features the DrayTek logo on the left and the VigorACS logo on the right, with the tagline "Your reliable networking solutions partner" below it. A left sidebar contains navigation links: Essentials, Networks and Devices, Wizards, Reports, Inventory Monitor, and Inventory View (with a sub-link for Vigor2820(6)). The main content area is divided into several sections. The "Summary" section includes a "Network View" link and a "Networks And Devices" tab. Under "Managed networks and devices", it shows: Total number of networks:1, Alarm networks:0, Total number of devices:5, and Number of alarmed devices:1. To the right is the "Unknown Devices" section, which contains a table with 3 columns: IP Address, Device Name, and Device Type. The "Latest Alarms" section is highlighted with a red header and contains a table with 7 columns: Level, Time, Device Name, Network, Description, and Action. A yellow warning icon is visible to the left of the table. The table has one row of data. At the bottom of the interface is a red navigation bar with various icons for network management.

Level	Time	Device Name	Network	Description	Action
Critical	Wed Jan 20 10:15:16	DrayTek_Rambo	Main network	DeviceLossConnection	



# Chapter 6 Log View

**Log** provides administrator records for action, download, reboot, parameter values, object adding and deleting executed by VigorACS.



When you choose this function, the following screen will appear with all the information offered by VigorACS. Please click any one of the links on the left side. The detailed information will be shown on the right side box.

A screenshot of the VigorACS web interface. The top header shows the DrayTek logo and the VigorACS title. Below the header, there's a navigation menu on the left with 'Essentials' and 'Logs'. The 'Logs' section is expanded, showing a tree view with 'Device Action' and 'System'. The 'Device Action' section is selected, and the 'ActionLog' page is displayed. The page shows a table of log entries with columns: Log ID, Action, Device ID, Device Name, MAC Address, and Device IP. The table contains 10 entries. The bottom of the page has a navigation bar with icons similar to the one in the first image.

Log ID	Action	Device ID	Device Name	MAC Address	Device IP
241	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
240	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
239	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
223	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
222	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
221	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
197	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
196	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
195	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
178	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
177	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196

## 6.1 Device Action

### 6.1.1 Action Log

Such page displays all the actions executed by VigorACS for your reference.

ActionLog

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UserGroup: AdminGroup

1/5

Log ID	Action	Device ID	Device Name	MAC Address	Device IP
241	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
240	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
239	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
223	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
222	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
221	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
197	TransferComplete	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
196	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
195	Upload	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
178	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196
177	Inform	6	DrayTek_00507F_Vigor_005	00507FA65678	172.17.3.196



Delete

Click this button to delete the selected log.



Refresh

Click this button to refresh this page.

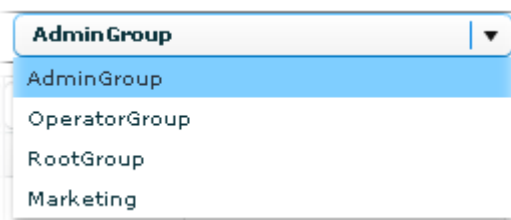


Detail

Click this button to display the detailed information window.

## UserGroup

Use the drop down list to choose a user group. CPEs under such group will be displayed on the window.



First

When there is more than one page for the Action Log in this user group, click this button to display the first page.



Previous

When there is more than one page for the Action Log in this user group, click this button to display the previous page.



Next

When there is more than one page for the Action Log in this user group, click this button to display the next page.



Last

When there is more than one page for the Action Log in this user group, click this button to display the last page.

## Search

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

## Log ID

The number displayed here is specified by VigorACS

automatically.

## Action

Display the action done by VigorACS to certain device.

Device ID

The number displayed here is specified by VigorACS automatically.

**Device Name**

Display the name of the CPE.

**MAC Address**

Display the MAC address of the CPE.

Device IP

Display the WAN IP address of the CPE.

**Action ID**

Display the identification number of the action.

## Time

Display the time that such action is done.

### 6.1.2 Reboot Log

Such page displays all the reboot actions initiated by VigorACS for your reference.

[illegible]

## Delete

Click this button to delete the selected log.



## Refresh

Click this button to refresh this page.

**UserGroup**

Use the drop down list to choose a user group. CPEs under such group will be displayed on the window.

A screenshot of a dropdown menu. The top bar is labeled 'AdminGroup' with a downward arrow on the right. Below the bar, the list of items is: 'AdminGroup' (highlighted in blue), 'OperatorGroup', 'RootGroup', and 'Marketing'.



**First**

When there is more than one page for the Reboot Log in

 **Previous**

 **Next**

 **Last**

**Search**

this user group, click this button to display the first page.

When there is more than one page for the Reboot Log in this user group, click this button to display the previous page.

When there is more than one page for the Reboot Log in this user group, click this button to display the next page.

When there is more than one page for the Reboot Log in this user group, click this button to display the last page.

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

**Log ID**

The number displayed here is specified by VigorACS automatically.

**Device ID**

The number displayed here is specified by VigorACS automatically.

**Device Name**

Display the name of the CPE.

**MAC Address**

Display the MAC address of the CPE.

**Device IP**

Display the WAN IP address of the CPE.

**User ID**

Display which user reboots the device.

**CommandKey**

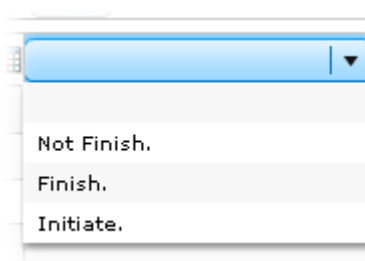
Display the key that VigorACS sends to CPE while performing download/upload job.

**Current Time**

Display current time.

**Status**

If you do not specify the condition, the server will display information for all of the CPEs which are rebooting, finish rebooting or are initiating.



### 6.1.3 SetParameterLog

Such page displays all the values of parameters of CPE devices controlled by VigorACS for your reference.

[illegible]

## Delete

Click this button to delete the selected log.



## Refresh

Click this button to refresh this page.



## Detail

Such button will bring up another dialog and display detailed information for the selected CPE.

DetailID	LogID	Parameter
75	5	InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.1.Line.1.SIP.AuthUserN
76	5	InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.1.SIP.InboundAuthUser

**UserGroup**

Use the drop down list to choose a user group. CPEs under such group will be displayed on the window.



## First

When there is more than one page for the set parameter log in this user group, click this button to display the first page.



## Previous

When there is more than one page for the set parameter log in this user group, click this button to display the



**Next**



**Last**

**Search**

previous page.

When there is more than one page for the set parameter log in this user group, click this button to display the next page.

When there is more than one page for the set parameter log in this user group, click this button to display the last page.

**Log ID**

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

**Device ID**

The number displayed here is specified by VigorACS automatically.

**Device Name**

The number displayed here is specified by VigorACS automatically.

**MAC Address**

Display the name of the CPE.

**Device IP**

Display the MAC address of the CPE.

**User ID**

Display the WAN IP address of the CPE.

**ParameterKey**

Display the user name that creates such profile.

**Create Time**

Display the key that VigorACS sends to CPE while performing parameter configuration.

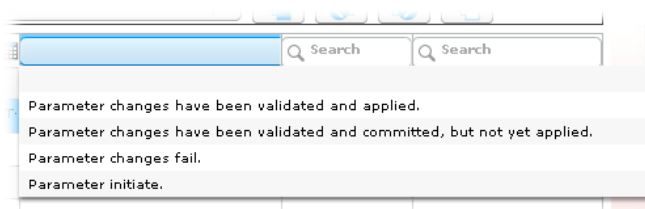
**Finish Time**

Display the time that the parameters created.

**Status**

Display the time that the parameters enabled.

VigorACS can display if the parameters configured for CPEs are successful or failed under four different conditions. Choose any one of them to display the status for your necessity.



**Fault Code**

Display a code which is sent by CPE device to VigorACS when VigorACS server fails to perform the job of parameter configuration.

**Fault String**

Display the error message which is sent by CPE device to VigorACS when VigorACS server fails to perform the job of parameter configuration.

## 6.1.4 FileTransferLog

This page displays the record for firmware upload and download configuration for all CPEs controlled by VigorACS.

FileTransferLog		Your reliable networking solutions partner			
		UserGroup: <b>RootGroup</b>		1/7	
LogID	DeviceID	DeviceName	MAC address	DeviceIP	Type
141	6	DrayTek_Jenny	00507FA65530	172.17.3.194	Backup
140	2	DrayTek_Eric	00507FA65510	172.17.3.192	Backup
139	4	DrayTek_Rambo	00507FA65620	172.17.3.195	Backup
138	3	Draytek_Robin_Test	00507FA654E8	172.17.3.193	Backup
137	4	DrayTek_Rambo	00507FA65620	172.17.3.195	Backup
136	2	DrayTek_Eric	00507FA65510	172.17.3.192	Backup
135	3	Draytek_Robin_Test	00507FA654E8	172.17.3.193	Backup
134	6	DrayTek_Jenny	00507FA65530	172.17.3.194	Backup
133	4	DrayTek_Rambo	00507FA65620	172.17.3.195	Backup
132	2	DrayTek_Eric	00507FA65510	172.17.3.192	Backup
131	6	DrayTek_Jenny	00507FA65530	172.17.3.194	Backup
130	3	Draytek_Robin_Test	00507FA654E8	172.17.3.193	Backup
129	4	DrayTek_Rambo	00507FA65620	172.17.3.195	Backup
128	2	DrayTek_Eric	00507FA65510	172.17.3.192	Backup



**Delete**

Click this button to delete the selected log.

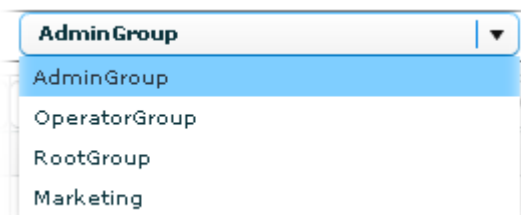


**Refresh**

Click this button to refresh this page.

**UserGroup**

Use the drop down list to choose a user group. CPEs under such group will be displayed on the window.



**First**

When there is more than one page for the Log in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the Log in this user group, click this button to display the previous page.



**Next**

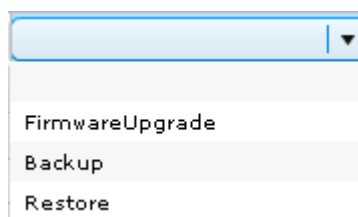
When there is more than one page for the Log in this user group, click this button to display the next page.



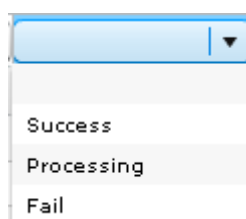
**Last**

When there is more than one page for the Log in this user group, click this button to display the last page.

<b>Search</b>	Click this box to type the search condition and press <b>Enter</b> . The server will display the data based on your request.
<b>Log ID</b>	The number displayed here is specified by VigorACS automatically.
<b>Device ID</b>	The number displayed here is specified by VigorACS automatically.
<b>DeviceName</b>	Display the name of the device.
<b>MAC Address</b>	Display the MAC address of the device.
<b>DeviceIP</b>	Display the WAN IP address of the device.
<b>Type</b>	Display the file transfer type (firmware upgrade, backup or restore) for the specified CPE. If you do not specify the condition, the server will display information for all of the CPEs which have done firmware upgrade, backup and restore configurations.

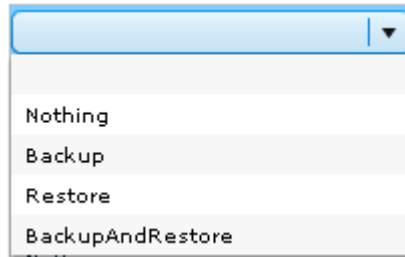


<b>Status</b>	Display the result (success, processing or fail) for the file transfer action. If you do not specify the condition, the server will display information of the backup and restore no matter the job is successful, processing or failed.
---------------	--



<b>Event</b>	Display the job (nothing, backup, restore or backup and restore) that the selected CPE is performing. You can specify which event to be displayed on the window. Simply choose any one of the event from the drop down list. If you choose <b>Nothing</b> , no record will be shown.
--------------	--





**FirmwareUpgradeID**

Display the identification number of the firmware upgrade profile.

**CommandKey**

Display the key that VigorACS sends to CPE while performing download/upload job.

**Count**

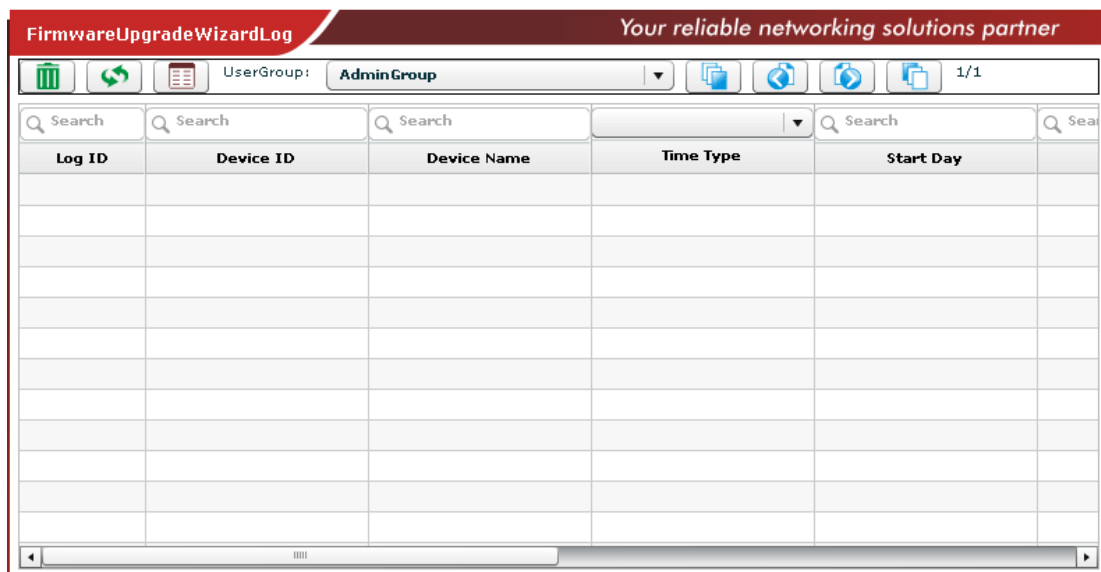
Display the times of firmware upgrade for such device.

**Time**

Display the time that such log is done.

## 6.1.5 FirmwareUpgradeWizardLog

This page displays the record for firmware upgrade done by using wizard.



**Delete**

Click this button to delete the selected log.



**Refresh**

Click this button to refresh this page.



**Detail**

Such button will bring up another dialog and display detailed information for the selected CPE.

**UserGroup**

Use the drop down list to choose a user group. CPEs under such group will be displayed on the window.



 **First**

 **Previous**

 **Next**

 **Last**

**Search**

When there is more than one page for the Log in this user group, click this button to display the first page.

When there is more than one page for the Log in this user group, click this button to display the previous page.

When there is more than one page for the Log in this user group, click this button to display the next page.

When there is more than one page for the Log in this user group, click this button to display the last page.

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

**Log ID**

The number displayed here is specified by VigorACS automatically.

**Device ID**

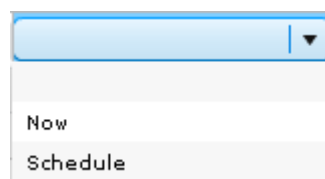
The number displayed here is specified by VigorACS automatically.

**DeviceName**

Display the name of the device.

**TimeType**

Display the log of certain time (now or schedule).



**Start Day**

Display the firmware upgrade starting **date** that is configured in firmware upgrade profile.

**Start Time**

Display the firmware upgrade starting **time** that is configured in firmware upgrade profile.

**End Time**

Display the firmware upgrade ending time that is configured in firmware upgrade profile.

**Upgrade File**

Display the file name of the firmware used to upgrade for the selected CPE.

**Current**

Display if such log has been processed or not. If yes,

NO

YES

Choose from the drop down menu to display the records of upgrade finished or no upgrade.

- No Upgrade
- Upgrade Finish

Specify one day (by using the calendar icon) to display the records of that time.

Display the user name that creates such profile.

After uploading the profile to the selected CPE, VigorACS will search from the database to find the proper configuration to the specified CPE when it tries to connect to VigorACS server. If the specified CPE receives the configuration, it will return confirmation information to VigorACS server.

[illegible]



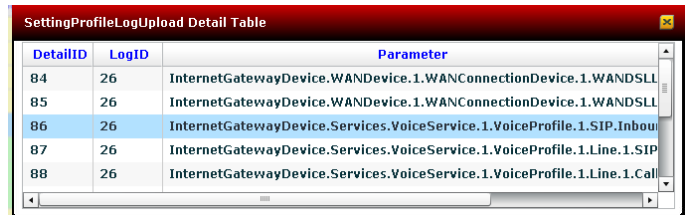
**Refresh**

Click this button to refresh this page.



**Detail**

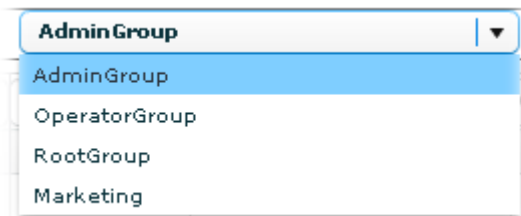
Click this button to open detail window for checking the parameter settings.



DetailID	LogID	Parameter
84	26	InternetGatewayDevice.WANDevice.1.WANConnectionDevice.1.WANDSL
85	26	InternetGatewayDevice.WANDevice.1.WANConnectionDevice.1.WANDSL
86	26	InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.1.SIP.Inbou
87	26	InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.1.Line.1.SIP
88	26	InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.1.Line.1.Call

## UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**

When there is more than one page for the setting profile log in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the setting profile log in this user group, click this button to display the previous page.



**Next**

When there is more than one page for the setting profile log in this user group, click this button to display the next page.



**Last**

When there is more than one page for the setting profile log in this user group, click this button to display the last page.

## Search

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

## Log ID

The number displayed here is specified by VigorACS automatically.

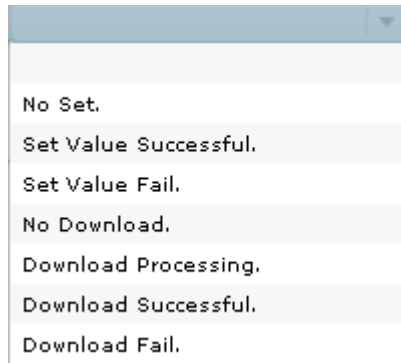
## MAC Address

Display the MAC address of the CPE.

## Status

Specify the condition listed below. If you do not specify

the condition, the server will display all of the information for the profile uploaded.



**Retry Count**

Display the time that VigorACS tries to set parameters to the selected CPE.

**Time**

Display the time recorded for the log.

**Renew Count**

Display how many times that such profile is uploaded.

**Current**

Display if such log has been processed or not. If yes, please choose **NO**; if not, please choose **YES**.



**UserName**

Display the user name that creates such profile.

**Action**

Choose to begin or stop using such profile.


**Field**

Display the file ID number of the uploaded profile.

### 6.1.7 DeviceSysLog

Such page displays the system log of connected CPEs.

[illegible]

To view the device syslog information, please click  **Set SysLog Criteria** button first. The following dialog will appear.

Set SysLog criteria

Select device :

▼

Main network(6)

✓

DrayTek\_00507F\_Vigor\_00507FA654E0

✓

DrayTek\_00507F\_Vigor\_00507FA65510

✓

DrayTek\_00507F\_Vigor\_00507FA654E8

✓

DrayTek\_00507F\_Vigor\_00507FA65620

✓

DrayTek\_00507F\_Vigor\_00507FA65678

▶

Marketing(1)

SysLog Type :

Firewall

▼

Device ID :

1

Device name :

DrayTek\_00507F\_Vigor\_00507FA654E0

Mac Address :

00507FA654E0

Date :

2010-01-15

Start time(HH:MM) :

00

▼

:

00

▼

End time(HH:MM):

23

▼

:

59

▼

Query

Choose the device you want to check; specify the syslog type (Firewall, VPN, UA, Call, WAN, others); specify the time; and click **Query**. The corresponding information will be shown as the following.

SystemLog

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Log ID	IP	System Time	Client Time	Host Name	
1242334	172.17.3.191	Fri Jan 15 15:14:07 GMT+0800 2010	Jan 15 07:52:29	Vigor	DSL: DSL re
1242335	172.17.3.191	Fri Jan 15 15:14:07 GMT+0800 2010	Jan 15 07:52:30	Vigor	IKE <==, Nes
1242336	172.17.3.191	Fri Jan 15 15:14:07 GMT+0800 2010	Jan 15 07:52:30	Vigor	IKE ==>, Nes
1242338	172.17.3.191	Fri Jan 15 15:14:08 GMT+0800 2010	Jan 15 07:52:31	Vigor	DSL: loading
1242339	172.17.3.191	Fri Jan 15 15:14:09 GMT+0800 2010	Jan 15 07:52:31	Vigor	DSL: Enter t
1242340	172.17.3.191	Fri Jan 15 15:14:09 GMT+0800 2010	Jan 15 07:52:31	Vigor	DSL: Status
1242342	172.17.3.191	Fri Jan 15 15:14:10 GMT+0800 2010	Jan 15 07:52:32	Vigor	DSL: Status
1242344	172.17.3.191	Fri Jan 15 15:14:11 GMT+0800 2010	Jan 15 07:52:33	Vigor	DSL: Status
1242346	172.17.3.191	Fri Jan 15 15:14:12 GMT+0800 2010	Jan 15 07:52:34	Vigor	DSL: Status
1242348	172.17.3.191	Fri Jan 15 15:14:13 GMT+0800 2010	Jan 15 07:52:34	Vigor	DSL: Status
1242350	172.17.3.191	Fri Jan 15 15:14:14 GMT+0800 2010	Jan 15 07:52:34	Vigor	DSL: Status
1242352	172.17.3.191	Fri Jan 15 15:14:15 GMT+0800 2010	Jan 15 07:52:38	Vigor	DSL: Status
1242354	172.17.3.191	Fri Jan 15 15:14:16 GMT+0800 2010	Jan 15 07:52:39	Vigor	DSL: Status



**Set SysLog Criteria**

Click this button to query syslog for certain CPE.



**First**

When there is more than one page for the device system log in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the device system log in this user group, click this button to display the previous page.



**Next**

When there is more than one page for the device system log in this user group, click this button to display the next page.



**Last**

When there is more than one page for the device system log in this user group, click this button to display the last page.

**Log ID**

The number displayed here is specified by VigorACS automatically.

**IP**

Display the WAN IP address of the CPE.

**System Time**

Display the time when the function is executed for the CPE.

**Client Time**

Display the time of CPE when it sends system log out.

**Host Name**

Display the name of the host sent by CPE.

**Message**

Display a brief description for such log.

## 6.2 System

### 6.2.1 System Log

VigorACS will record the modification or changes of the CPE(s) done by VigorACS. For example, CPE will be attributed to another network, name of CPE will be changed or location of CPE on Google map will be modified, and etc. Refer to the following example:

[illegible]

## Delete

Click this button to delete the selected log.

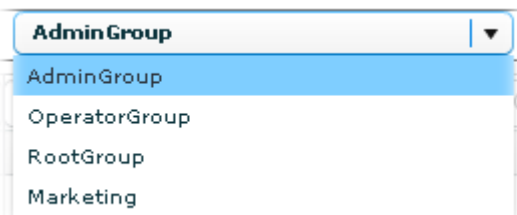


## Refresh

Click this button to refresh this page.

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



## First

When there is more than one page for the system log in this user group, click this button to display the first page.



## Previous

When there is more than one page for the system log in this user group, click this button to display the previous page.



## Next

When there is more than one page for the system log in this user group, click this button to display the next





**Last**

**Search**

page.

When there is more than one page for the system log in this user group, click this button to display the last page.

Click this box to type the search condition and press **Enter**. The server will display the data based on your request.

**Log ID**

The number displayed here is specified by VigorACS automatically.

**Source**

Display the device name.

**Description**

Display a brief explanation for the change to the CPE.

**Result**

**Success** - the change or modification succeeds and is recorded.

**Fail** – the change or modification fails and is recorded.

**Time**

Display the time recorded for the log.

This page is left blank.

# Chapter 7 Provision Configuration

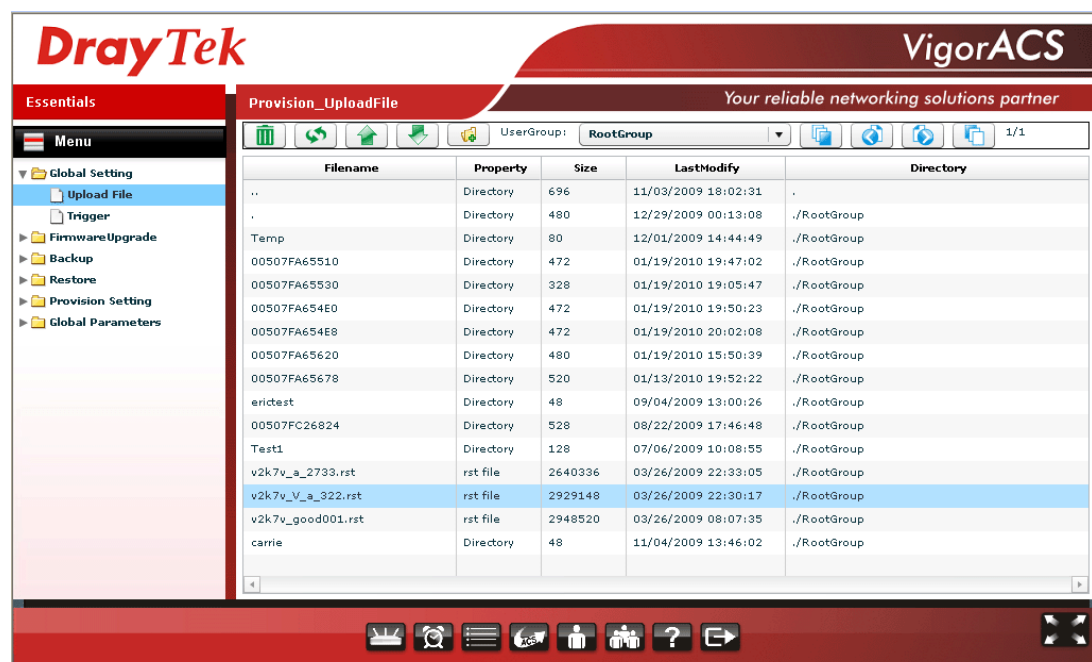
Provision functions allow users to set provision profiles for applying in numerous TR-069 CPEs instead of configuring settings for each CPE one by one.



## 7.1 Global Setting

### 7.1.1 Upload File

Upload File function allows users to upload the file to VigorACS, including configuration and firmware image files.



Delete

Click this button to delete the selected provision file.



Refresh

Click this button to refresh uploaded files.



Upload File

Click this button to upload a provision file from your host to VigorACS. The file you upload will be shown on the screen immediately.



**Download File**

Click this button to download a file from VigorACS to your computer.



**Create Folder**

Click this button to create a new folder for storing and managing the uploaded files. It will be displayed under filename field.

Type the name for the new folder and click **Create**. The new folder will be displayed on the screen.

## UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**

When there is more than one page for the upload files in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the upload files in this user group, click this button to display the previous page.



**Next**

When there is more than one page for the upload files in this user group, click this button to display the next page.



**Last**

When there is more than one page for the upload files in this user group, click this button to display the last page.

## Filename

Display the name of the download/upload file or created folder.

## Property

Display whether this is a folder or a file. If it is a folder, it will display "Directory", otherwise, it will display extension name of the file.

**Size**

Display the file size of the file or folder.

**LastModify**

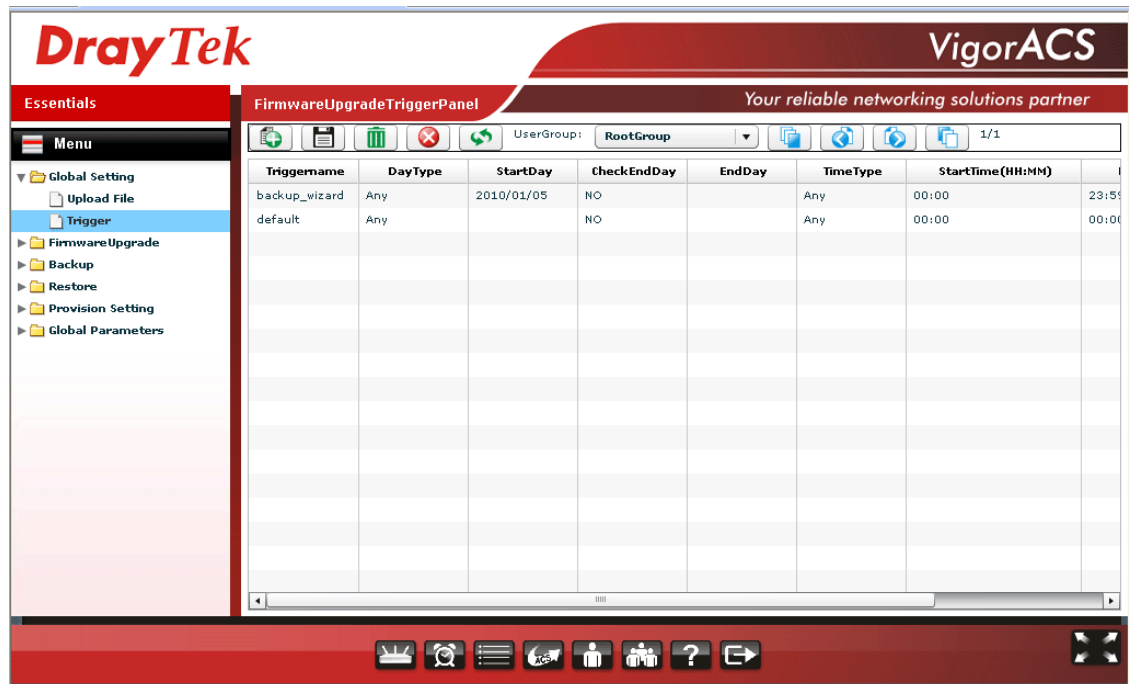
Display the latest time the file has been modified.

**Directory**

Display the relative path of this file/folder.

## 7.1.2 Trigger

This page allows administrator to set special time to trigger the provision. You can specify a name for it.



**Add firmware upgrade trigger**

Click this button to create a new trigger profile for firmware upgrade, backup and restore.



**Save trigger setting**

Click this button to save the trigger settings after finish the configuration.



**Delete firmware upgrade trigger**

Click this button to delete the selected trigger.



**Cancel**

Click this button to cancel the operation.



**Refresh**

Click this button to refresh current page.

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**



**Previous**



**Next**



**Last**

**TriggerName**

When there is more than one page for the trigger files in this user group, click this button to display the first page.

When there is more than one page for the trigger files in this user group, click this button to display the previous page.

When there is more than one page for the trigger files in this user group, click this button to display the next page.

When there is more than one page for the trigger files in this user group, click this button to display the last page.

Type a special and easy to identify name for the time



trigger. After you click **Save**, the new name will be displayed on the screen.

**DayType**

Choose **Any** to activate such trigger every day. Choose **Schedule** to activate such trigger according to the date and time set in this page.

**StartDay**

Use the pop-up calendar window to set the starting day for CPE firmware update. Move your mouse cursor to choose one day and click the mouse. The selected date will be shown on the entry box.

**CheckEndDay**

Check this box to let VigorACS check the end of the schedule automatically.

**YES** means the trigger will not be activated after the end day.

**No** means the trigger will be activated everyday to execute the provision.

**EndDay**

Use the pop-up calendar window to set the ending day for CPE firmware update. Move your mouse cursor to choose one day and click the mouse. The selected date will be shown on the entry box.

**TimeType**

Choose **Any** to activate such trigger for the next time CPE sends information to VigorACS. In default, CPE sends information to VigorACS every 15 minutes.

Choose **Schedule** to activate such trigger according to the date and time set in this page.

**StartTime(HH:MM)**

Type the start time (**HH:MM**) in this field for such trigger.

**EndTime(HH:MM)**

Type the end time (**HH:MM**) in this field for such trigger.

CreateTime

Display the time of such time trigger created.

CreateUser

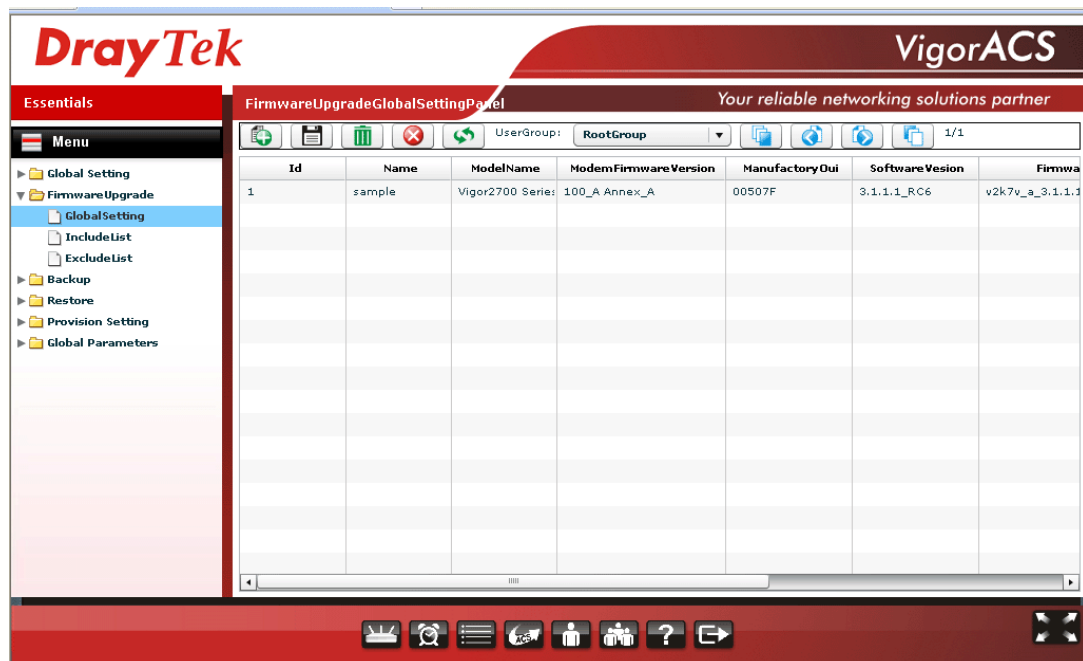
Display the name of the user/administrator who made such time triggering.

## 7.2 FirmwareUpgrade

### 7.2.1 GlobalSetting

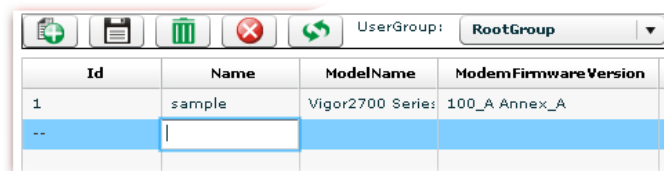
This web page allows you to **specify** required information for matching with the CPE device. The profiles created here will be regarded as a basis that VigorACS server uses to compare information coming from CPE router with the information stored in VigorACS server's database.

When VigorACS server receives information from CPE about firmware upgrade, it will check if the received model name, modem firmware version, parameters of manufacturer OUI and software version correspond to the information recorded in VigorACS server. If everything can match but software version not, VigorACS will judge that the remote CPE requiring firmware upgrade. Next, VigorACS server will execute firmware upgrade with the file listed in FirmwareFile field automatically at specified time.




**Add firmware upgrade global setting**

Click this button to add global setting name on the screen.



**Save firmware upgrade global setting**

Click this button to save the configuration.

 **Delete firmware upgrade global setting**

Click this button to delete the selected parameter.

 **Cancel**

Click this button to cancel the operation.

 **Refresh**

Click this button to refresh current page.

### UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



 **First**

When there is more than one page for the global setting files in this user group, click this button to display the first page.

 **Previous**

When there is more than one page for the global setting files in this user group, click this button to display the previous page.

 **Next**

When there is more than one page for the global setting files in this user group, click this button to display the next page.

 **Last**

When there is more than one page for the global setting files in this user group, click this button to display the last page.

**Id**

Display the number of the global setting.

**Name**

Type a name for such global setting profile.

**ModelName**

Type the model of the CPE device that needs to upgrade firmware.

**ModemFirmwareVersion**

Type the firmware version of the CPE device, e.g., Annex A, Annex B, and etc.

**ManufactoryOui**

Type the characters of OUI. OUI means “organizationally unique identifier” of the device manufacturer.

**SoftwareVersion**

Type the version of the firmware.

**FirmwareFile**

Double click this file to open a dialog for choosing one provision file created in section **7.1.1 UploadFile** for this profile.



Filename	Property	Size	LastModify	Directory
..	Directory	696	11/03/2009 18:02:31	.
.	Directory	480	12/29/2009 00:13:08	./RootGroup
Temp	Directory	80	12/01/2009 14:44:49	./RootGroup
00507FA65510	Directory	472	01/19/2010 19:47:02	./RootGroup
00507FA65530	Directory	328	01/19/2010 19:05:47	./RootGroup
00507FA654E0	Directory	472	01/19/2010 19:50:23	./RootGroup
00507FA654E8	Directory	472	01/19/2010 20:02:08	./RootGroup
00507FA65620	Directory	480	01/19/2010 15:50:39	./RootGroup
00507FA65678	Directory	520	01/13/2010 19:52:22	./RootGroup
erictest	Directory	48	09/04/2009 13:00:26	./RootGroup
00507FC26824	Directory	528	08/22/2009 17:46:48	./RootGroup
Test1	Directory	128	07/06/2009 10:08:55	./RootGroup
v2k7v_a_2733.rst	rst file	2640336	03/26/2009 22:33:05	./RootGroup

**TriggerName**

Choose one of the trigger profiles from the drop down list.

**Status**

Click **Disable** to give up the upgrade procedure or click **Enable** to activate the upgrade procedure after clicking **Save**.

**Event**

While upgrading firmware for CPE device, the required parameters (e.g, WAN, LAN, VPN...) on CPE device can be backup in VigorACS server and can be restored in the future if required. Please choose the one you need.

Nothing ▾

Nothing

Backup and Restore

**Nothing** – All the parameters configured in CPE device will not be saved/restored and will be written after VigorACS server executes firmware upgrade for it.

**Backup and Restore** – All the parameters configured in CPE device will be saved and restored in a place before VigorACS server executes firmware upgrade for it.

**EventType**

If you choose **Backup and Restore** as the event selection, you have to specify event type additionally.

Get Parameter Values ▾

Get Parameter Values

Vendor Configuration File

**Get Parameter Values** – Generally, VigorACS server will scan all the parameters configured in CPE device while connecting CPE device. You can choose this item to use current configured parameters obtained from CPE device as the basis for parameters backup and restore.

**Vendor Configuration File** – Choose this time to use the parameters recorded in cfg file of CPE device as the basis for back and restore.

After you finished all of the settings, remember to click  **Save** to save your record.

### 7.2.2 IncludeList

This page displays the quantities of profiles created in FirmwareUpgrade\_GlobalSetting. You can specify which CPE device required to execute firmware upgrade.

[illegible]

## UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.

A screenshot of a dropdown menu. The top item, 'RootGroup', is highlighted in blue. Below it are the options 'AdminGroup', 'OperatorGroup', 'DraytekGroup', and 'Company1Group'.

All the devices controlled under the group will be shown on the screen.

## ProvisionName

Use the drop down list to choose a global setting profile for firmware upgrade.



## Save



## Refresh

Click this button to save the configuration.

Click this button to refresh current page.

Move your mouse to the tree view of Network View. Select the ones (representing CPE devices) that needed to have firmware upgrade. Next, choose **YES** in the field of Select Devices.

[illegible]

Later, VigorACS server will judge the necessity of firmware upgrade for the selected CPE device(s) specified here to do firmware upgrade by comparing the parameters settings stored in VigorACS server with the information received from the selected CPE device.

After you finished all of the settings, remember to click  **Save** to save your record.

### 7.2.3 ExcludeList

Not all the CPEs controlled by VigorACS need to upgrade firmware at any time. VigorACS provides excluding mechanism for the CPEs that do not need to upgrade firmware. This web page allows you to set excluded CPEs for firmware upgrade. Simply type the MAC address of the CPE on MAC address field and click **Save**. The one will be shown on the list. Next time, if you want to do firmware upgrade for the specified CPE, simple open this page and remove the item.

The screenshot displays the VigorACS web management interface. At the top, the DrayTek logo is on the left, and 'VigorACS' is on the right. Below the logo is the tagline 'Your reliable networking solutions partner'. The interface is divided into a left sidebar and a main content area.

**Left Sidebar:** A 'Menu' section contains a tree view with the following items: 'Global Setting', 'FirmwareUpgrade' (expanded), 'Backup', 'Restore', 'Provision Setting', and 'Global Parameters'. Under 'FirmwareUpgrade', there are three sub-items: 'GlobalSetting', 'IncludeList', and 'ExcludeList' (which is highlighted in blue).

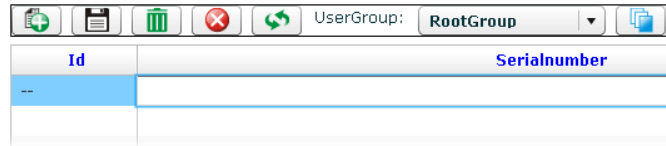
**Main Content Area:** The title is 'FirmwareUpgradeExcludeList Panel'. Below the title is a toolbar with icons for adding, deleting, and refreshing. A 'UserGroup' dropdown menu is set to 'RootGroup'. Below the toolbar is a table with two columns: 'Id' and 'MAC address'. The table is currently empty.

**Bottom Bar:** A series of icons for network management, including a router, a clock, a list, a refresh, a user, a group, a question mark, and a help icon.



**Add excluded device**

Click this button to add CPEs which will not be upgraded.



Type the MAC address of the CPE that does not need to do firmware upgrade.



**Save exclude setting**

Click this button to save the configuration.



**Delete exclude device**

Click this button to delete the selected parameter.



**Cancel**

Click this button to cancel the operation.



**Refresh**

Click this button to refresh current page.

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**

When there is more than one page for the excluded setting files in this user group, click this button to display the first page.



**Previous**

When there is more than one page for the excluded setting files in this user group, click this button to display the previous page.



**Next**

When there is more than one page for the excluded setting files in this user group, click this button to display the next page.



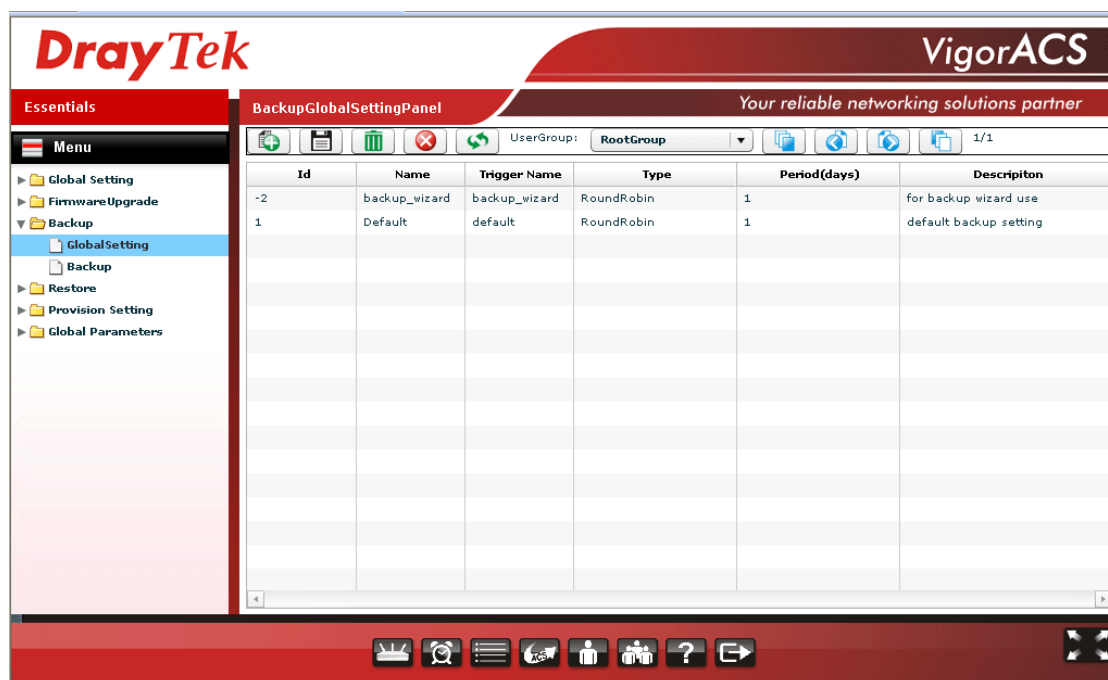
**Last**

When there is more than one page for the excluded setting files in this user group, click this button to display the last page.

## 7.3 Backup

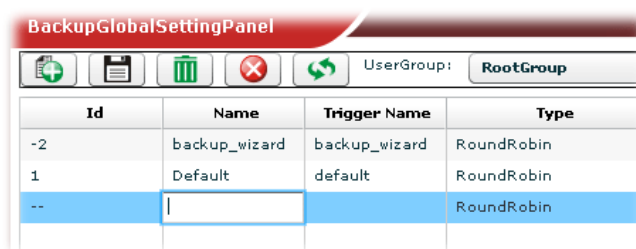
### 7.3.1 GlobalSetting

Such page can determine the trigger time and method for firmware backup.



**Add backup global setting**

Click this button to add a new backup profile with global settings.



Type a new name in the blank box; specify a trigger name and type by using the drop down list; type the period value and give a brief description.



**Save backup global setting**

Click this button to save the backup profile.



**Delete backup global setting**

Click this button to delete the selected backup profile.



**Cancel**

Click this button to cancel the operation.



**Refresh**

Click this button to refresh current page

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the

user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



 **First**

 **Previous**

 **Next**

 **Last**

When there is more than one page for the global setting files in this user group, click this button to display the first page.

When there is more than one page for the global setting files in this user group, click this button to display the previous page.

When there is more than one page for the global setting files in this user group, click this button to display the next page.

When there is more than one page for the global setting files in this user group, click this button to display the last page.

**Id**

Display the number of the global setting.

**Name**

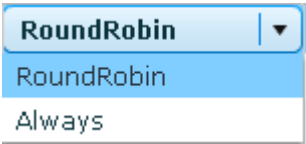
Type a name the global setting.

**TriggerName**

Choose one of the trigger profiles from the drop down list.

**Type**

Choose the type for the configuration backup.



**RoundRobin** – Choose this type to execute the backup (with global settings). The backup files will be recorded with the filename from *1.cfg* to *20.cfg*. Only 20 filenames will be kept in the same directory.

**Always** – Choose this type to execute the backup (with global settings) according to the schedule. The backup files will be recorded with the filename one by one (e.g, *1.cfg*, *2.cfg*,..., *1000cfg*,..., *10000cfg*,...no limit in file number). All of the backup files will be kept in the same directory.

**Period**

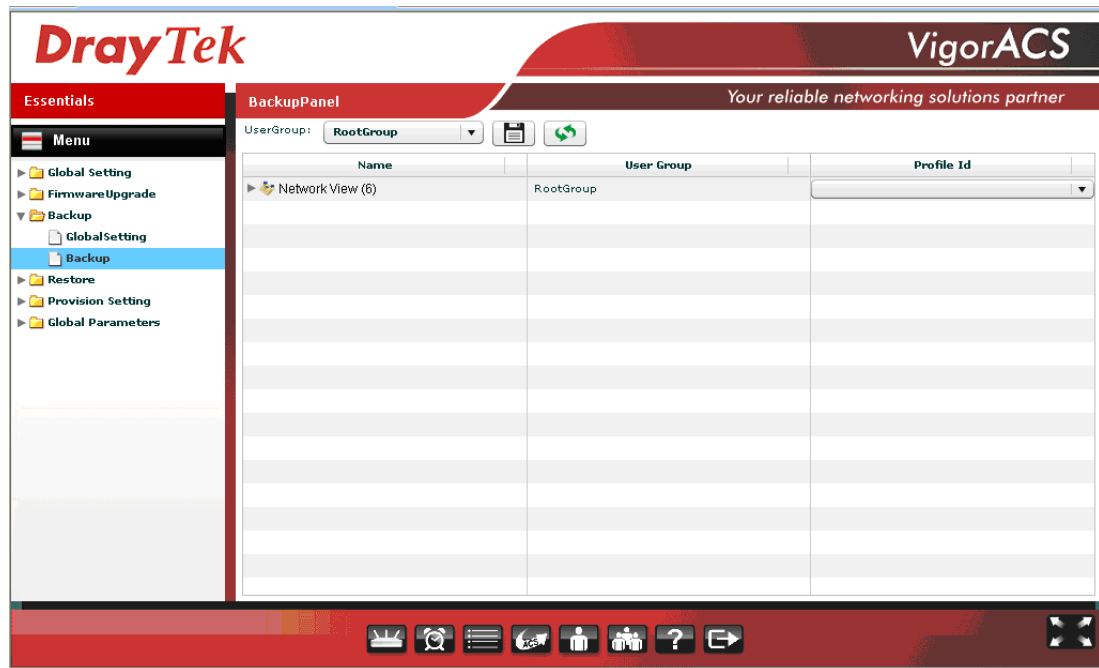
The number typed here means the interval for the backup executed by VigorACS. The unit is “day”. If you type 1, that means the backup will be executed one time by one day.

**Description**

Type a brief description for profile.

## 7.3.2 Backup

Such page can determine which device or network will be applied with backup profiles.



### UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



Later, the corresponding devices will be shown in this page.



Save



Refresh

Name

Display the CPEs with the authority of the selected group.

UserGroup

Display the user group for the selected device.

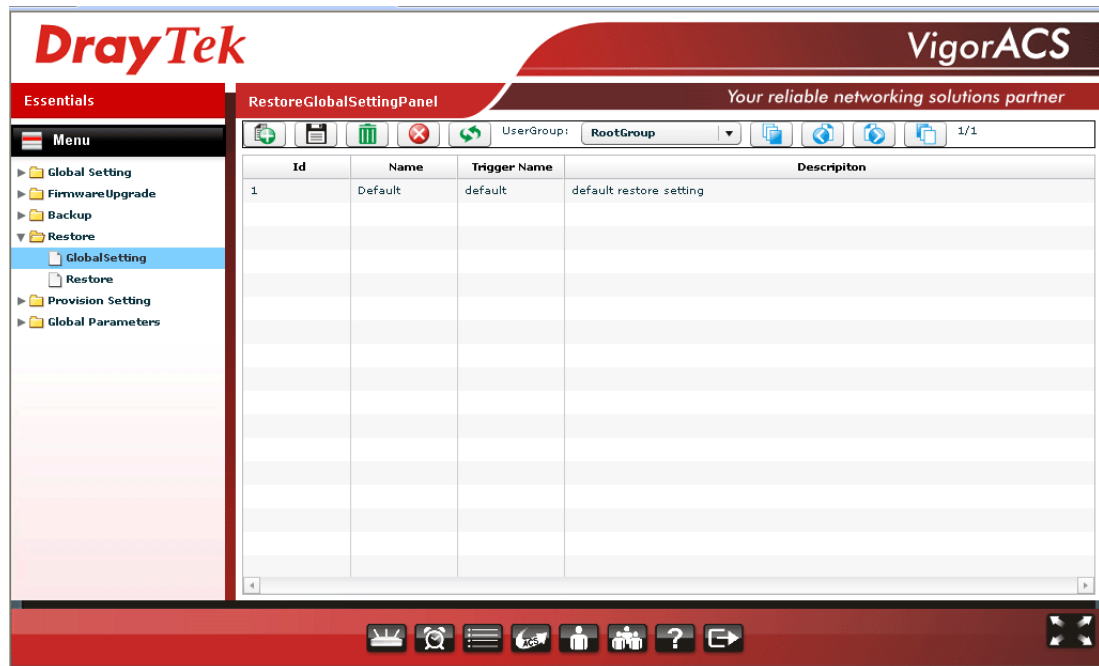
ProfileId

Choose a profile (with global settings) defined in GlobalSetting (section 7.3.1) to be applied in such selected CPE.

## 7.4 Restore

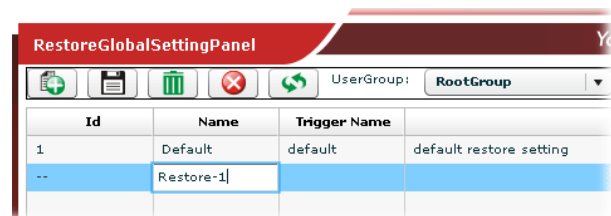
### 7.4.1 GlobalSetting

Such page can determine the trigger time and method for firmware restoration.



**Add restore global setting**

Click this button to add a new restore profile with global settings. To configure a profile with global settings, please refer to **7.1.2 Trigger** for detailed information.



Type a new name in the blank box; specify a name, choose a trigger name file and give a brief description.



**Save restore global setting**

Click this button to save the restore profile.



**Delete restore global setting**

Click this button to delete the selected restore profile.



**Cancel**

Click this button to cancel the operation.



**Refresh**

Click this button to refresh current page.

**UserGroup**

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the



selected group.



**First**



**Previous**



**Next**



**Last**

When there is more than one page for the global setting files in this user group, click this button to display the first page.

When there is more than one page for the global setting files in this user group, click this button to display the previous page.

When there is more than one page for the global setting files in this user group, click this button to display the next page.

When there is more than one page for the global setting files in this user group, click this button to display the last page.

**Id**

Display the number of the global setting.

**Name**

Type a name for such record.

**TriggerName**

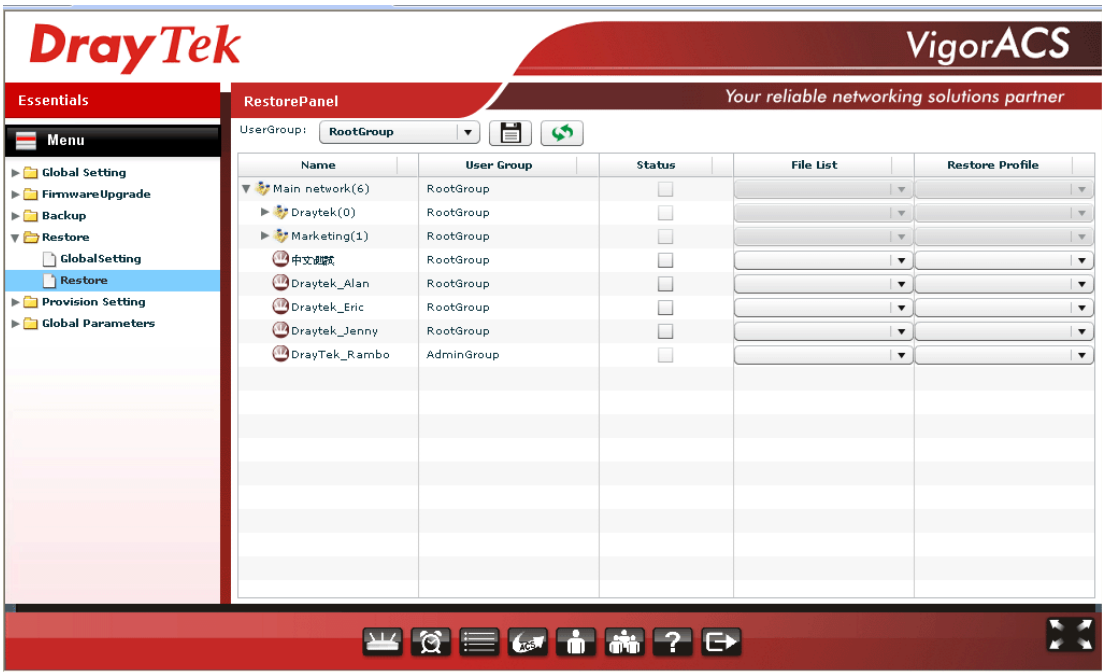
Choose one of the trigger profiles from the drop down list.

**Description**

Type a brief description for such profile.

## 7.4.2 Restore

Such page can determine which device or network will be applied with restore profiles.



## UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



Later, the corresponding devices will be shown in this page.

Click this button to save the restore profile.



**Save**



**Refresh**

Click this button to refresh current page.

**Name**

Display the names of CPEs with the authority of the selected group.

**UserGroup**

Display the user group for the selected device.

**Status**

Check this box to execute file restoration for the selected CPE.

**File List**

Use the drop down list to choose one of the files to be applied for the file restoration of the selected CPE.

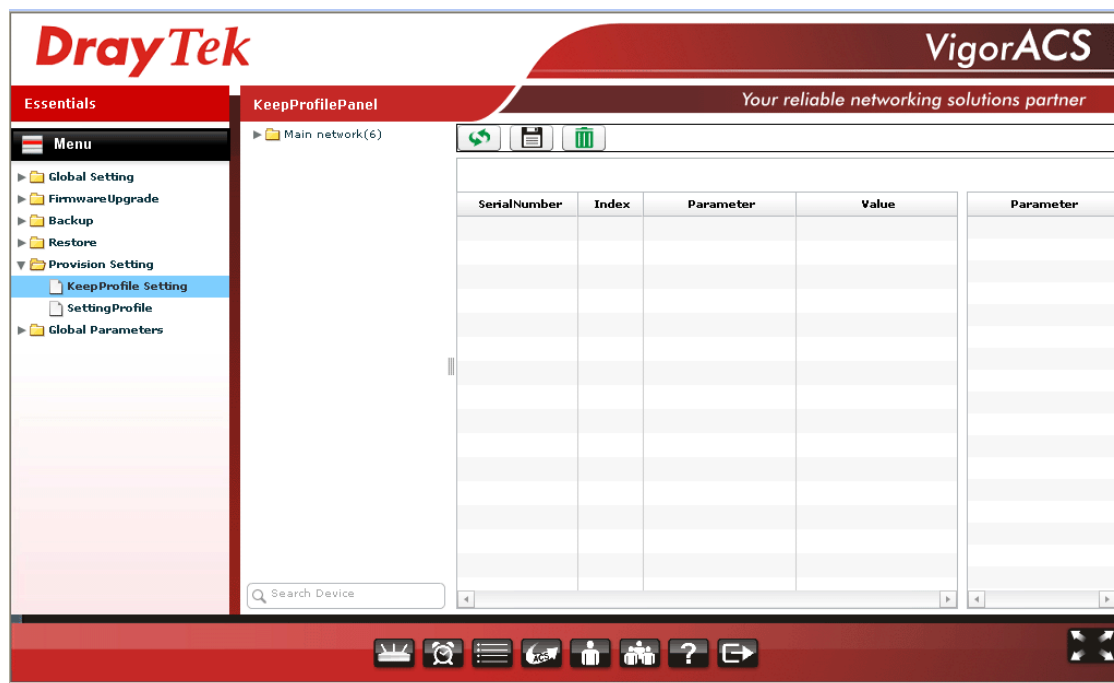
**Restore Profile**

Use the drop down list to choose one of the time profiles (with global settings, section 7.1.2) to be applied for the file restoration of the selected CPE.

## 7.5 Provision Setting

### 7.5.1 KeepProfile Setting

Some ISPs do not wish CPE client changing the parameters of CPE device. If the parameters of CPE device were modified by the users, VigorACS (the administrator) server could use the parameters listed in this web page to restore the original parameters.



**Refresh**

Click this button to refresh current page.



**Save**

Click this button to save the configuration.



**Delete**

Click this button to delete the selected parameter.

**SerialNumber**

Display the MAC address for the selected CPE.

**Index**

Display the index number for the parameter.

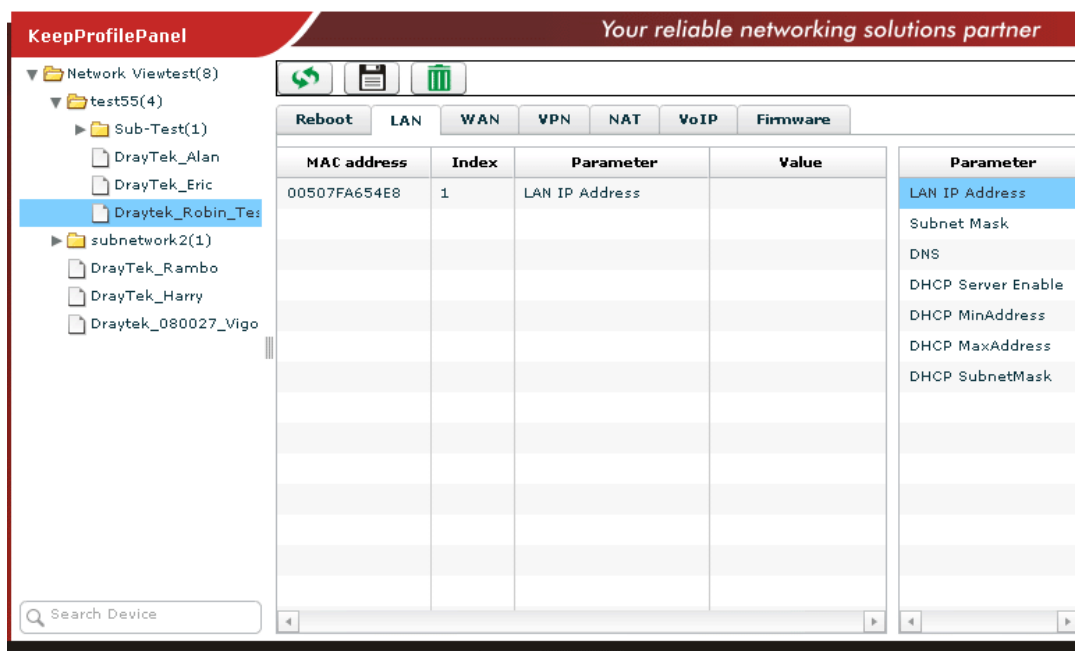
**Parameter**

Display the parameter name that you want to configure.

**Value**

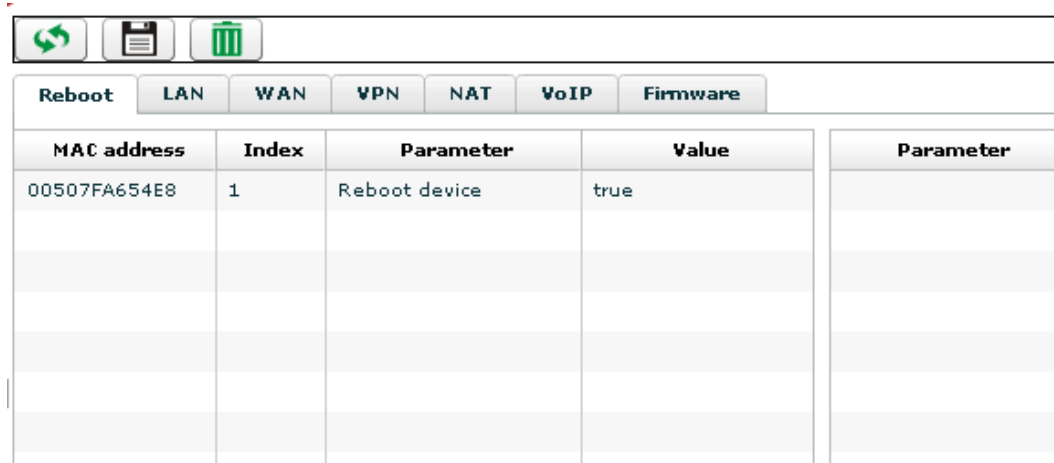
Based on the parameters selected above, type the required value for the selected device.

Settings will be shown on the right side. **Reboot, LAN, WAN, VPN, NAT, VoIP, and Firmware** tabs (displayed based on the CPE you choose) will appear for you to click to configure. In the field of **Parameter**, available parameters for the selected tab will be displayed.



## Reboot

VigorACS SI can drive the selected CPE to reboot (true value means reboot; false value means not reboot) after comparing the parameter settings between VigorACS SI database and CPE itself after a period of time. That is, when the controlled CPE changes certain parameters that must be active by rebooting the device, VigorACS SI can force the CPE to reboot to activate the settings.



## LAN Settings

To configure the LAN settings, please double click on one of the parameters in the right side. Then, the MAC Address with the selected parameter values will be shown on the left side.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value	Parameter		
00507FA654E8	1	Subnet Mask		LAN IP Address		
				Subnet Mask		
				DNS		
				DHCP Server Enable		
				DHCP MinAddress		
				DHCP MaxAddress		
				DHCP SubnetMask		

To edit the value for the selected parameter, move the mouse cursor to the box under value and click it. An entry box will appear for you to type the value for that parameter. After typing the value, click the **Save** button to save it.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value			
00507FA654E8	1	Subnet Mask	<div><div></div><div></div></div>	LAN IP Address		
				Subnet Mask		
				DNS		
				DHCP Server Enable		
				DHCP MinAddress		
				DHCP MaxAddress		
				DHCP SubnetMask		

Available parameters for LAN include:

<b>LAN IP Address</b>	Type the LAN IP address for the selected CPE.
<b>Subnet Mask</b>	Type the subnet mask for the selected CPE.
<b>DNS</b>	Type the DNS server address for the selected CPE.
<b>DHCP Server Enable</b>	Choose True or False to enable/disable DHCP server.
<b>DHCP MinAddress</b>	If you want to enable DHCP server for the selected CPE, you have to assign an IP range for the DHCP server. Here, please specify the starting IP address.
<b>DHCP MaxAddress</b>	If you want to enable DHCP server for the selected CPE, you have to assign an IP range for the DHCP server. Here, please specify the ending IP address.
<b>DHCP SubnetMask</b>	If you want to enable DHCP server for the selected CPE, you have to assign the subnet mask for the DHCP server.

## WAN Settings

To configure the WAN settings, please double click on the parameter in the right side. Then, MAC Address and the selected parameter with value will be shown on the right side.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value	Parameter		
00507FA654E8	1	IP		IP		
				Addressing Type		
				Gateway		
				PPP User Name		
				PPP Password		
				IP Enable		
				PPP Enable		
				Subnet Mask		
				DNS Servers		

To edit the value for the selected parameter, move the mouse cursor to the box under value and click it. An entry box will appear for you to type the value for that parameter. After typing the value, click the **Save** button to save it.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value	Parameter		
00507FA654E8	1	IP	172.16.3.12	IP		
				Addressing Type		
				Gateway		
				PPP User Name		
				PPP Password		
				IP Enable		
				PPP Enable		
				Subnet Mask		
				DNS Servers		

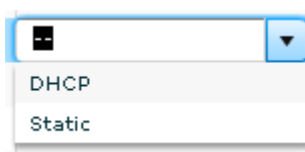
Available parameters for WAN include:

#### IP

Type the WAN IP address for the selected CPE.

#### Addressing Type

Choose the type from the drop down list for WAN settings.



#### Gateway

Type the gateway for the selected CPE.

#### PPP User Name

Type the user name offered by ISP for PPP connection.

#### PPP Password

Type the password offered by ISP for PPP connection.

#### IP Enable

Choose **True** to enable settings for DHCP or Static IP connection.

#### PPP Enable

Choose **True** to enable settings for PPP connection.

#### Subnet Mask

Type the sunbnet mask for the selected CPE if IP Enabled

is set to “True”.

## DNS Servers

Type the IP address of DNS Server for the selected CPE.

## VPN Settings

All the parameters displayed here are configured in WUI of CPE only. It is not necessary for you to configure KeepProfile Settings for VPN. Skip this section.

## NAT Settings

To configure the LAN settings, please double click on the parameter in the right side. Then, MAC address and the selected parameter with value will be shown on the right side.

Reboot	LAN	WAN	VPN	NAT	Firmware
MAC address	Index	Parameter	Value	Parameter	
				Port Redirection	
				Port Redirection Mode	
				Service Name	
				Protocol	
				Public Port Start	
				Public Port End	
				Private IP Start	
				Private Port	
				WAN IP	

To edit the value for the selected parameter, move the mouse cursor to the box under value and click it. An entry box will appear for you to type the value for that parameter. After typing the value, click the **Save** button to save it.

Reboot	LAN	WAN	VPN	NAT	Firmware
MAC address	Index	Parameter	Value	Parameter	
00507FA2CC18	1	WAN IP		Port Redirection	
00507FA2CC18	1	Port Redirection	<input type="text"/>	Port Redirection Mode	
				Service Name	
				Protocol	
				Public Port Start	
				Public Port End	
				Private IP Start	
				Private Port	
				WAN IP	

Available parameters for VPN include:

### Port Redirection

Enable or disable the function of Port Redirection of the selected CPE.

Type “true” to enable it; type “false” to disable it.

### Port Redirection Mode

Choose Single/Range mode. It must be the same as the one set in CPE.

**Service Name**

Type the description of the specific network service.

**Protocol**

Select the transport layer protocol (TCP or UDP).

**Public Port Start**

Specify which port can be redirected to the specified **Private IP and Port** of the internal host.

**Public Port End**

If you choose **Range** as the port redirection mode, you need to type the number here as the end.

**Private IP Start**

Specify the private IP address of the internal host providing the service.

**Private Port**

Specify the private port number of the service offered by the internal host.

**WAN IP**

Choose a WAN IP Alias file for port redirection.

The WAN IP Alias files are defined in web configurator of the selected CPE.

## VoIP Settings

To configure the LAN settings, please double click on the parameter in the right side. Then, serial number and the selected parameter with value will be shown on the right side.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value	Parameter		
00507FA654E0	1	Inbound Auth User		Inbound Auth User		
00507FA654E0	1	Auth User		Auth User		
00507FA654E0	1	Display Name		Display Name		
				Password		
				Registrar Server		
				Proxy Server		
				Register Via		
				Ring Port		



To edit the value for the selected parameter, move the mouse cursor to the box under value and click it. An entry box will appear for you to type the value for that parameter. After typing the value, click the **Save** button to save it.

Reboot	LAN	WAN	VPN	NAT	VoIP	Firmware
MAC address	Index	Parameter	Value	Parameter		
00507FA654E0	1	Inbound Auth User		Inbound Auth User		
00507FA654E0	1	Auth User		Auth User		
00507FA654E0	1	Display Name	Tom	Display Name		
				Password		
				Registrar Server		
				Proxy Server		
				Register Via		
				Ring Port		

Available parameters for VoIP include:

#### Inbound Auth User

If the incoming calls from other ISP need to be authenticated, you have to set value (digits or characters) here as an identity.

#### Auth User

Type registration name here for the user to call the remote end listed in Dial-plan.

#### Display Name

Type the name that you want it to be displayed on your friend's screen.

#### Password

Type a registered password here for the user to call the remote end listed in Dial-plan.

#### Registrar Server

Type the domain name or IP address of the SIP Registrar server.

#### Proxy Server

Type the domain name or IP address of SIP proxy server. By the time you can type **:port number** after the domain name to specify that port as the destination of data transmission (e.g., **nat.draytel.org:5065**)

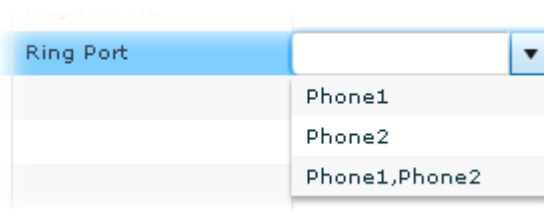
#### Register via

If you want to make VoIP call without register personal information, please choose **None** and check the box to achieve the goal. Choose **Auto** to let the system select a proper way for your VoIP call.

Parameter	Value
Register Via	
	None
	Auto
	WAN1
	WAN2
	LAN_VPN

#### Ring Port

Set Phone1, Phone2 or Phone1, Phone2 as the default ring port for this SIP account.



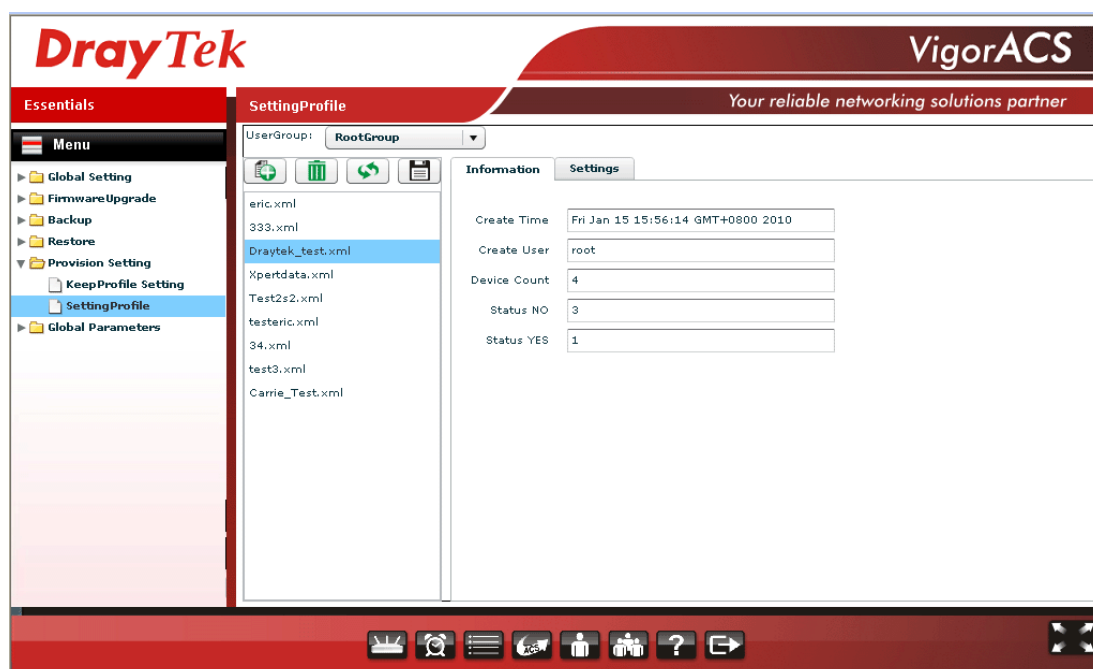
## Firmware Settings

All the parameters displayed here are configured in WUI of CPE only. It is not necessary for you to configure KeepProfile Settings for firmware settings. Skip this section.

## 7.5.2 SettingProfile

This page allows you to **create** provision profiles for CPEs. Important information for the provision will be shown under **Information** tab. If you want to modify the settings, simply click the **Settings** tab for the modification.

### Information Tab



### UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



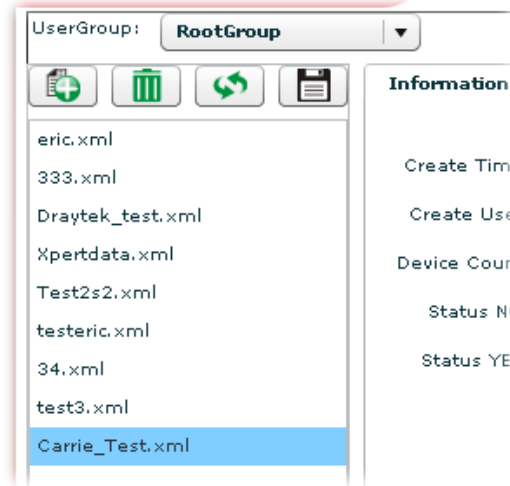


### Add Profile

Click this button to add a new provision file. When the following dialog appears, simply type a name for the profile in the field of **File Name** and click **Create**.



The new profile name will be shown on the screen.



Next, you can configure the settings for the new created profile, e.g., adding new devices.

Click this button to delete the selected profile.

Click this button to refresh current page.

Click this button to transfer the configuration to the VigorACS server.

Usually, settings profiles are stored in the memory. When you press the **Deploy Profile** button, that profile will be applied to the CPEs.

**Create Time** – Display the creation time of the selected provision file.

**Create User** – Display the user group for the selected provision file.

**Device Count** – Display the number of devices apply such provision file.

**Status NO** – Display the number of devices which are inactive now.

**Status YES** – Display the number of devices which are active.



### Delete Profile



### Refresh

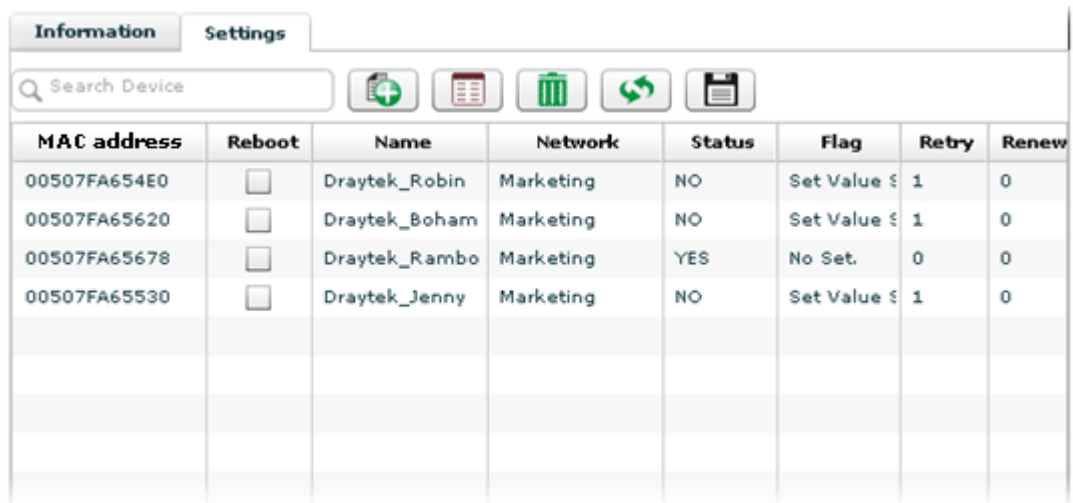


### Deploy Profile

## Information Tab

## Settings Tab

To configure the settings for the provision file, please click **Settings** tab. The following screen will appear.



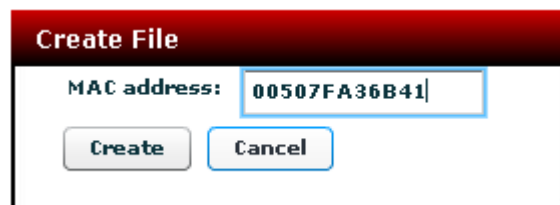
The screenshot shows the 'Settings' tab of a web interface. At the top, there are two tabs: 'Information' and 'Settings', with 'Settings' being the active tab. Below the tabs is a search bar labeled 'Search Device' and a row of icons: a green plus icon, a calendar icon, a trash icon, a refresh icon, and a save icon. The main area contains a table with the following columns: MAC address, Reboot, Name, Network, Status, Flag, Retry, and Renew. The table lists four devices: Draytek\_Robin, Draytek\_Boham, Draytek\_Rambo, and Draytek\_Jenny, all with Marketing as their network. The Status for Draytek\_Rambo is YES, while the others are NO. The Flag column shows 'Set Value ≤ 1' for Draytek\_Robin, Draytek\_Boham, and Draytek\_Jenny, and 'No Set.' for Draytek\_Rambo. The Retry column shows 0 for all devices, and the Renew column shows 0 for all devices.

MAC address	Reboot	Name	Network	Status	Flag	Retry	Renew
00507FA654E0	<input type="checkbox"/>	Draytek_Robin	Marketing	NO	Set Value ≤ 1	1	0
00507FA65620	<input type="checkbox"/>	Draytek_Boham	Marketing	NO	Set Value ≤ 1	1	0
00507FA65678	<input type="checkbox"/>	Draytek_Rambo	Marketing	YES	No Set.	0	0
00507FA65530	<input type="checkbox"/>	Draytek_Jenny	Marketing	NO	Set Value ≤ 1	1	0



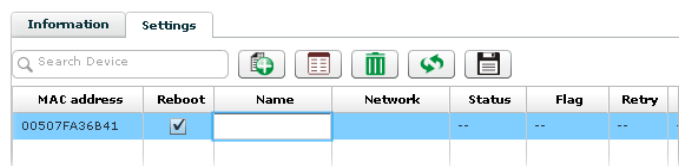
**Add Device**

Click this button to add CPEs to current selected provision profile. When the following dialog appears, simply type MAC address of the device in the field of **MAC Address** and click **Create**.



The 'Create File' dialog box has a red header. It contains a label 'MAC address:' followed by a text input field containing '00507FA36B41'. Below the input field are two buttons: 'Create' and 'Cancel'.

The new added device will be shown on the screen. Next, you can configure the settings for the new device, e.g., name of the device, specify the user group, and etc.



The screenshot shows the 'Settings' tab of a web interface. At the top, there are two tabs: 'Information' and 'Settings', with 'Settings' being the active tab. Below the tabs is a search bar labeled 'Search Device' and a row of icons: a green plus icon, a calendar icon, a trash icon, a refresh icon, and a save icon. The main area contains a table with the following columns: MAC address, Reboot, Name, Network, Status, Flag, and Retry. The table lists one device: 00507FA36B41, with a checked 'Reboot' checkbox, an empty 'Name' field, an empty 'Network' field, a '--' status, a '--' flag, and a '--' retry value.

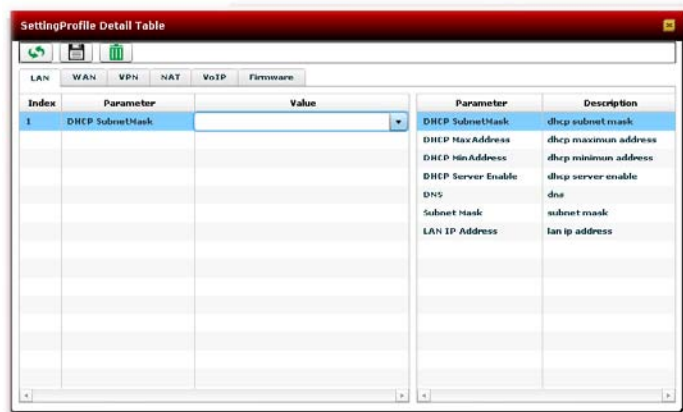
MAC address	Reboot	Name	Network	Status	Flag	Retry
00507FA36B41	<input checked="" type="checkbox"/>			--	--	--

If you want to set more detailed settings, click the **Detail Setting** icon.



**Detail Setting**

Click this button to view and modify the detailed profile settings for the selected device manually.



 **Delete Device**

 **Refresh**

 **Save Profile**

**Serial Number**

**Reboot**

**Name**

**Network**

**Status**

**Flag**

**Retry**

**Renew**

Click this button to delete the selected parameter.

Click this button to refresh current page.

Click this button to save the configuration.

Display the MAC address of CPE.

Check this box to reboot the CPE automatically after finishing the profile settings.

Set the name of the CPE.

The name of the CPE will be changed with the one set here when it connects to VigorACS for next time.

Set the network of the CPE.

The CPE will be moved and grouped under the network specified here when it connects to VigorACS for next time.

**YES-** means such profile has been configured.

**NO-** means such profile has not been configured.

Display the setting result of the profile.

If the provision profile is applied to CPE but failed, VigorACS will try to configure the settings again. The number of the retry time will be 3, at most.

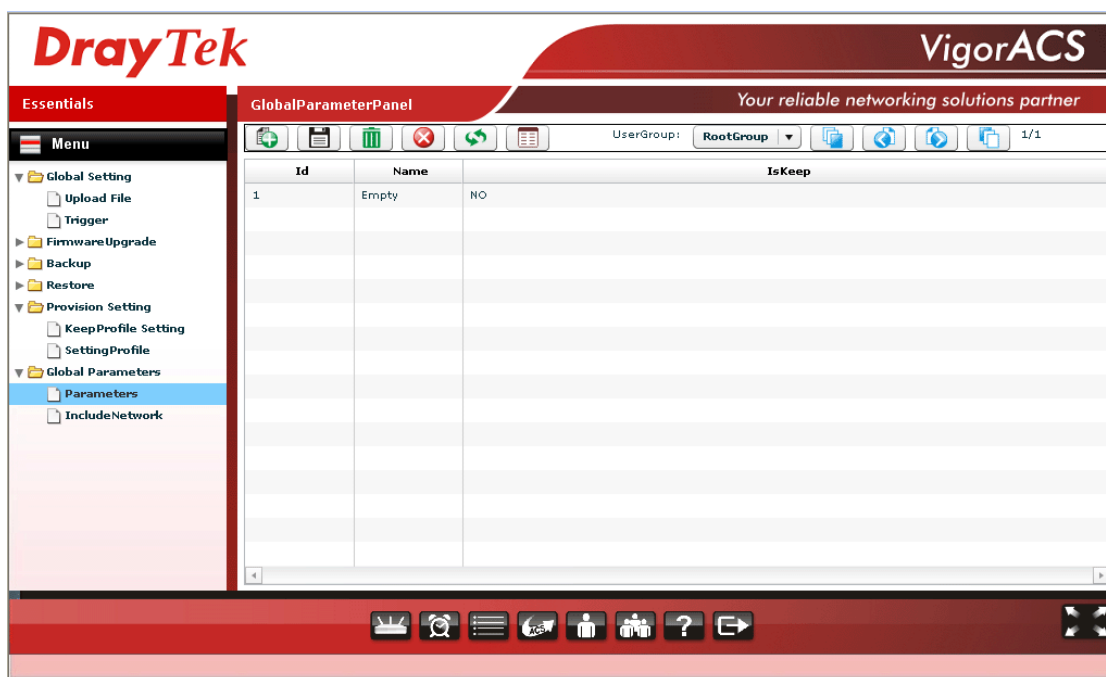
Display the times that this profile has been modified.

## 7.6 Global Parameters

Global Parameters allows users to set parameters which can be applied to all of the CPEs at the same time by using VigorACS instead of configuring one by one.

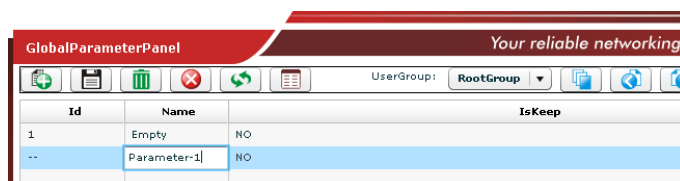
### 7.6.1 Parameters

This web page allows users to set profiles which will be used to configure parameters for lots of selected CPE devices at one time.



**Add global parameter**

Click this button to add a new global parameter profile name. Type a new name in the blank box.



**Save global parameter setting**

Click this button to save the restore profile.



**Delete global parameter**

Click this button to delete the selected restore profile.



**Cancel**

Click this button to cancel the operation.



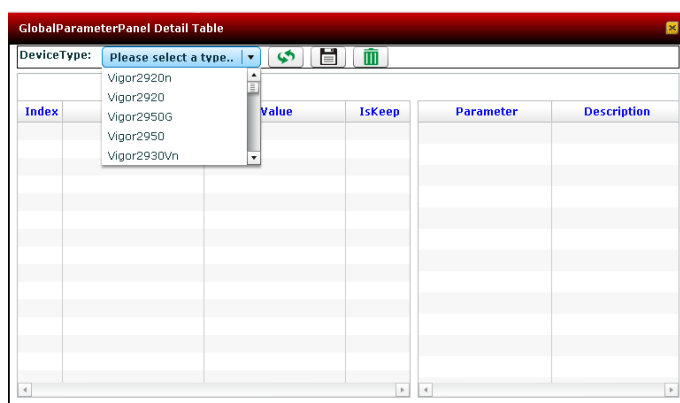
**Refresh**

Click this button to refresh current page.



**Detail**

Click this button to view the detailed setting for the selected profile.



## UserGroup

If there are many user groups with different authorities for the user account you use to access into VigorACS, you can use the drop down menu to choose one of the user groups to view the files stored under the user group. Use the drop down list to specify the authority for the selected group.



**First**



**Previous**



**Next**



**Last**

When there is more than one page for the global parameter files in this user group, click this button to display the first page.

When there is more than one page for the global parameter files in this user group, click this button to display the previous page.

When there is more than one page for the global parameter files in this user group, click this button to display the previous page.

When there is more than one page for the global parameter files in this user group, click this button to display the last page.

**Id**

Display the number of the profile.

**Name**

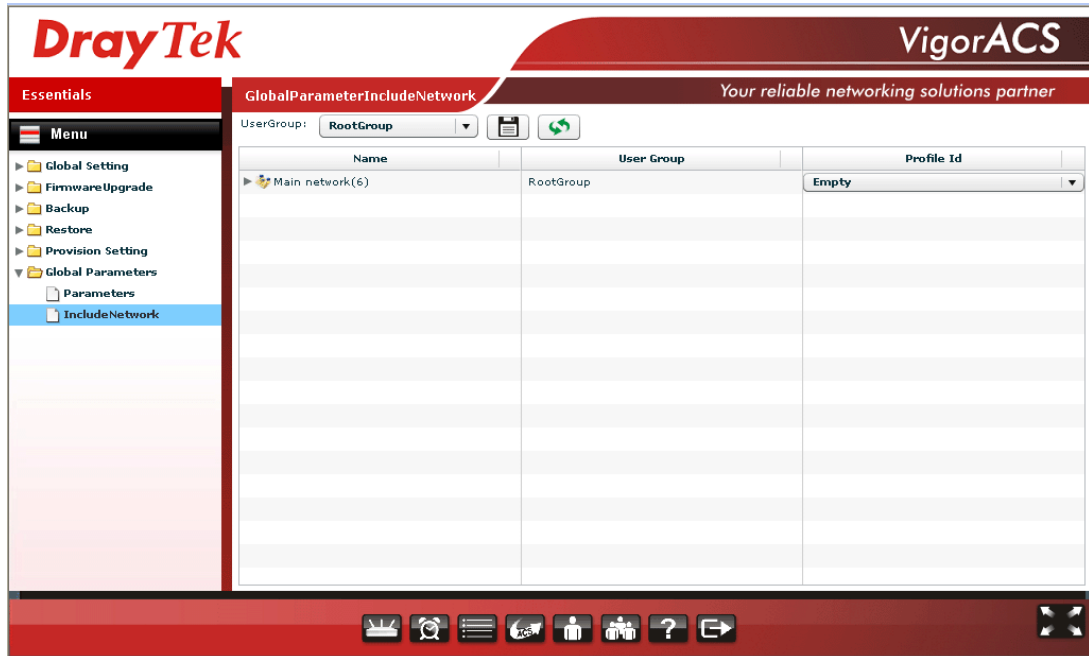
Type the name for the global parameter profile, which will be applied in GlobalParameter\_Includenetwork.

**IsKeep**

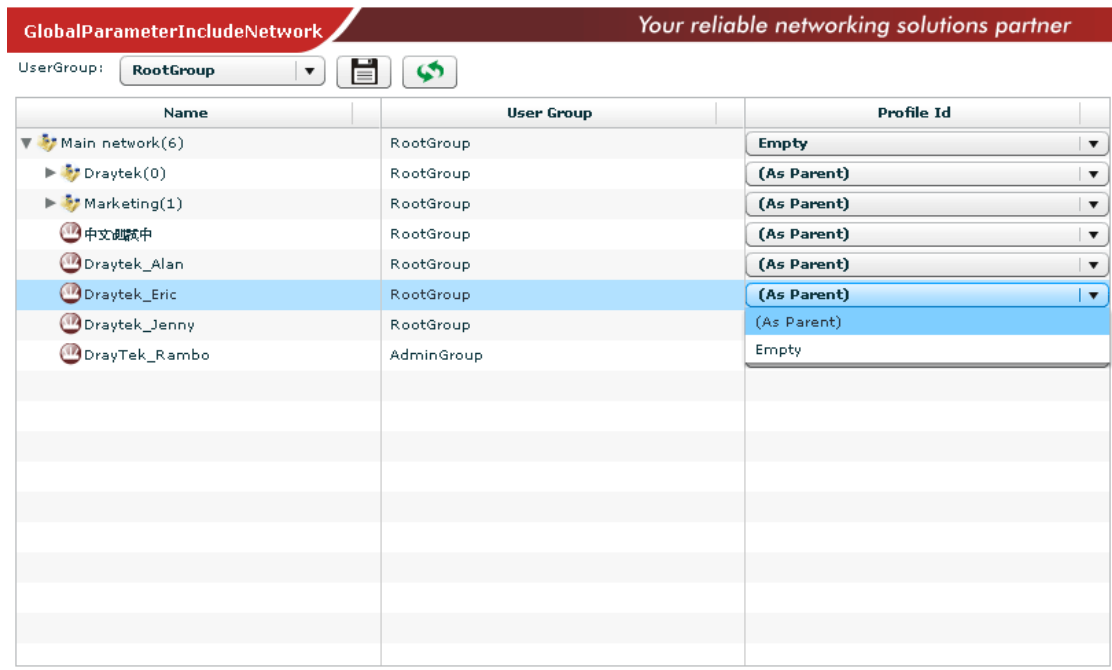
Check this box to make such profile being kept.

## 7.6.2 IncludeNetwork

If you have created several profiles in Global Parameters, you can specify which CPE device to be applied with the new created profile. If you do not specify any profile for the connected CPE device, the default profile configuration is “Empty”(displayed in the field of Profile ID). No parameters will be applied to the connected CPE device.



Specify certain profile (global parameter) to be applied in selected network, selected CPE by clicking on the tree view structure.





# Chapter 8 Admin Operation

Admin page allows you to modify the information for Network and Device.

For network, it can

- Add new network (s) for new client which will be managed by VigorACS.
- Delete existed network if the client will not be managed by VigorACS.
- Modify the name and location of the network for management.

For device, it can


- Modify the name of the device (CPE) for easy identification and management by VigorACS.
- Modify the location of the device (CPE) easily. It can be identified precisely while using GoogleMap to search it.
- Modify the user name/password of certain device (non-DrayTek CPE) to be managed by VigorACS.
- Enable or disable the management of the device (CPE) for VigorACS.
- Select certain protocol (e.g., TR-069) for the device (CPE) for management.

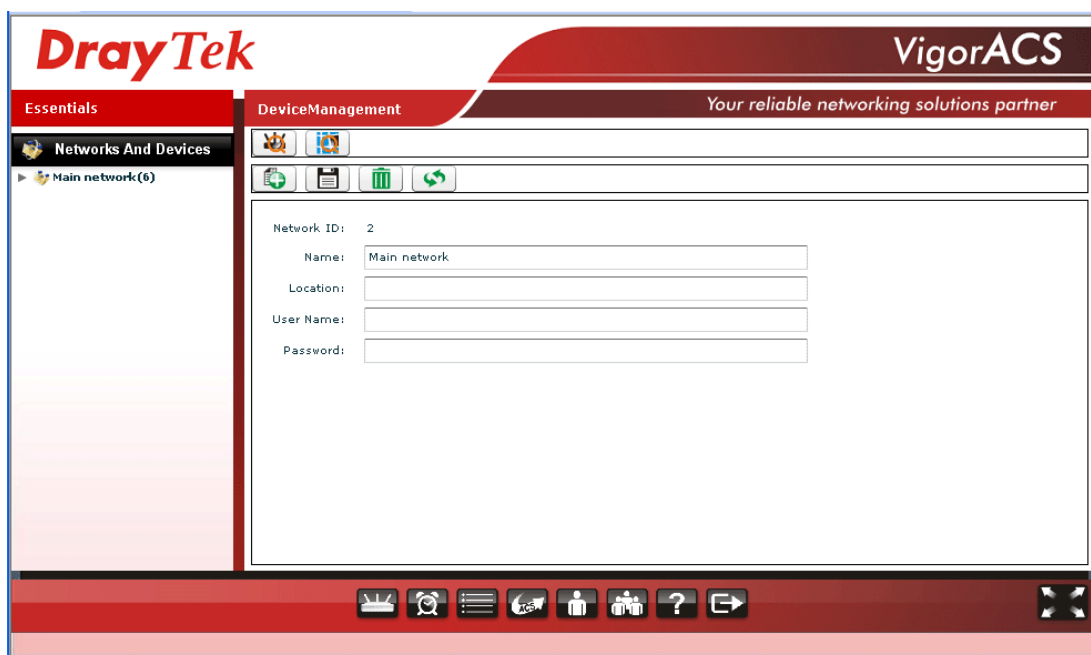


It can be divided into two parts, Device Management and Topology Management.



## 8.1 Device Management

To edit, change or delete devices under different network or add, change or delete a network, please click  **Device Management** for advanced operation.



**Add New Network**

Click this button to add a new network.



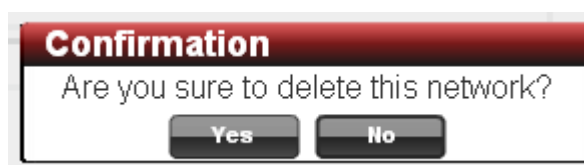
**Update Network**

Click this button to save the change.



**Remove Network**

Click this button to delete selected network.



**Refresh Records**

Click this button to refresh current page.


**Name**

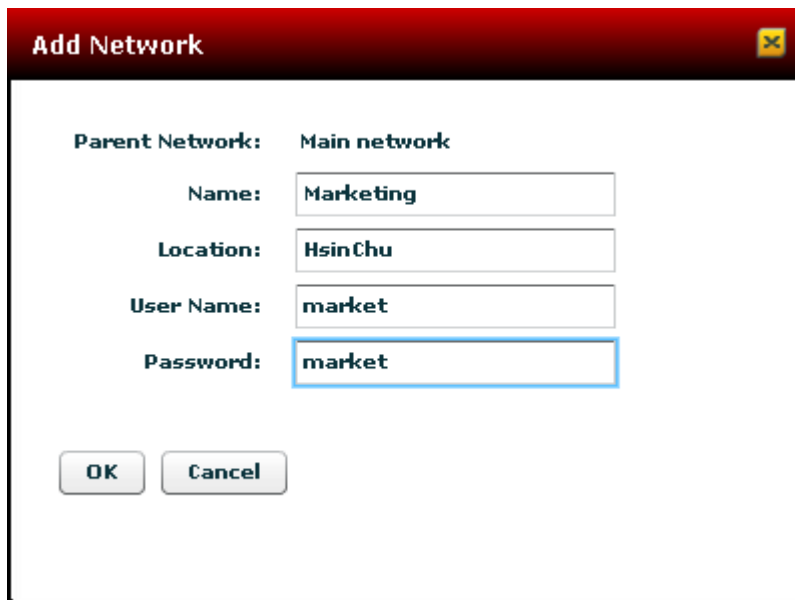
You can modify the name of the parent network.

**Location**

Type the address for such network.

## 8.1.1 Add a New Network

VigorACS allows the user to build several networks (and sub-network) for different CPE devices under the *root level*, Main network. Click  to open the following screen to add a new network.



The 'Add Network' dialog box has a red header bar with the title 'Add Network' and a close button. The main area is white and contains the following fields:

- Parent Network:** Main network
- Name:** Marketing
- Location:** HsinChu
- User Name:** market
- Password:** market

At the bottom, there are two buttons: 'OK' and 'Cancel'.

**Name**

Type name for the new network.

**Location**

Type a brief description for the new network.

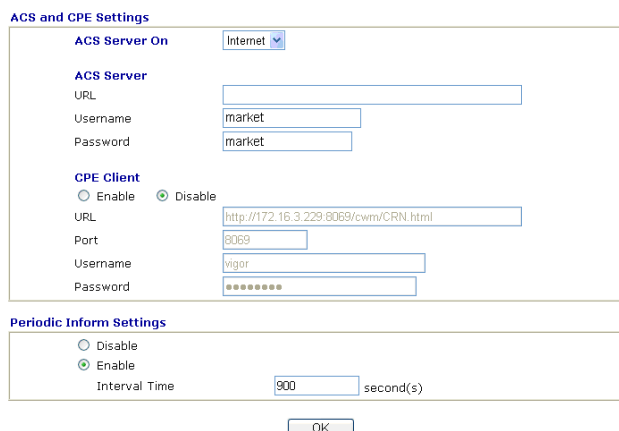
**User Name**

Type a name (e.g., market) for the new network.

**Password**

Type a password (e.g., market) for such new network. If you are going to group several CPE devices under such network, please open **System Maintenance>>TR-069** in the web configuration page of CPE. Next, type the same user name and password (in this case, both are *market*) in the corresponding fields.

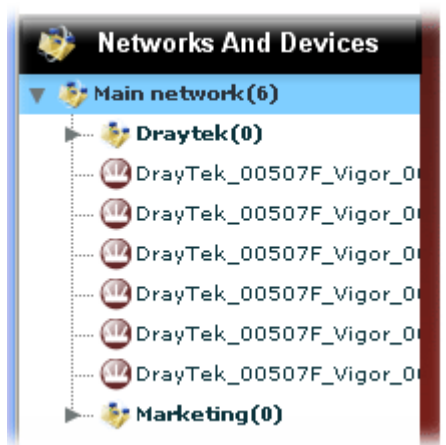
[System Maintenance >> TR-069 Setting](#)



The 'System Maintenance >> TR-069 Setting' page has a blue header bar with the title 'System Maintenance >> TR-069 Setting'. The main area is white and contains the following sections:

- ACS and CPE Settings**
  - ACS Server On:** Internet
  - ACS Server**
    - URL:
    - Username: market
    - Password: market
  - CPE Client**
    - ☐ Enable ☒ Disable
    - URL: http://172.16.3.229:8069/cwm/CRN.html
    - Port: 8069
    - Username: vigor
    - Password:
- Periodic Inform Settings**
  - ☐ Disable ☒ Enable
  - Interval Time: 900 second(s)

At the bottom, there is an 'OK' button.



### 8.1.2 Delete a Network

To delete a network, click to select the network link displayed under **Network View** and click



**Remove Network**

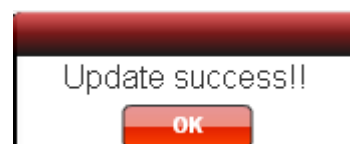
VigorACS will ask you to confirm such action. You can click **OK** to execute the action, otherwise, click **No** to cancel this action.

If there is still one device grouped under a sub-network, such network cannot be deleted by this function unless that device is removed.

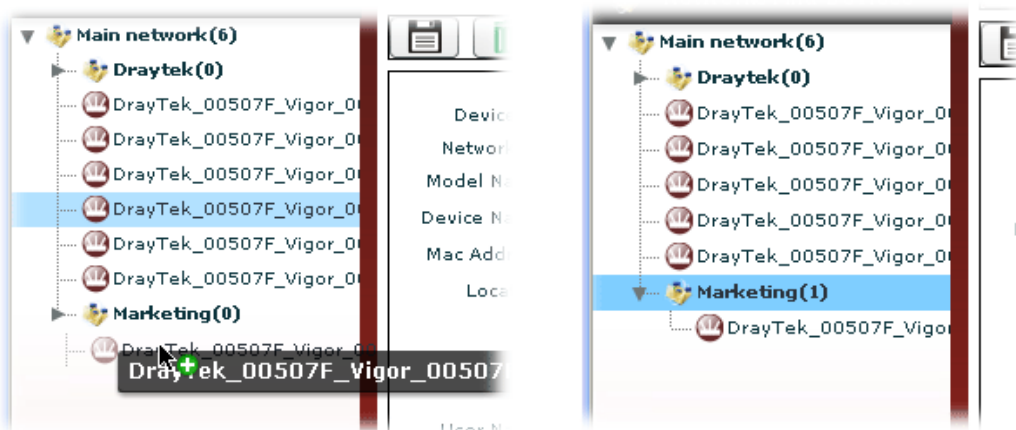
### 8.1.3 Change the Network

The Administrator can create several sub networks for different CPEs. Also, the administrator can change the network for the CPEs.

To change the network, simply click that network and drag it to the directory you want. VigorACS will ask you to confirm such action. You can click **Yes** to execute the action (Update success), otherwise, click **No** to cancel this action.



For example, you want to move **DrayTek\_00507\_Vigor\_XXXXX** onto **Marketing**. You can drag and hold it to that group directly. When the mouse cursor changes into “+”, please release your mouse cursor. VigorACS will ask you to confirm such action. If you click **Yes**, it will be moved to the new location.



## 8.1.4 Detailed Information for Selected Device

Administrator can modify certain settings (e.g., device name, address for the selected device, and etc.) for the selected CPE (device) respectively.

**DrayTek** **VigorACS**  
Your reliable networking solutions partner

**Essentials** **DeviceManagement**

**Networks And Devices**

- Main network(6)
  - Draytek(0)
    - DrayTek\_00507F\_Vigor\_00507FA65530
    - DrayTek\_00507F\_Vigor\_00507FA65530
    - DrayTek\_00507F\_Vigor\_00507FA65530
    - DrayTek\_00507F\_Vigor\_00507FA65530
    - DrayTek\_00507F\_Vigor\_00507FA65530
    - DrayTek\_00507F\_Vigor\_00507FA65530
  - Marketing(1)
    - DrayTek\_00507F\_Vigor\_00507FA65530

**Device ID:** 4  
**Network ID:** 4  
**Model Name:** Vigor2820 Series  
**Device Name:** DrayTek\_00507F\_Vigor\_00507FA65530  
**Mac Address:** 00507FA65530  
**Location:**  
**IP:** 172.17.3.194  
**Port:** 8069  
**URI:** /cwm/CRN.html  
**User Name:** vigor  
**Password:** password  
**Status:** Enable  
**Device Type:** Tr069



**UpdateDevice**

Click this button to save the change.



**Remove Device**

Click this button to delete selected device.

**Confirmation**  
Are you sure to delete this device?  
**Yes** **No**



**Refresh Record**

Click this button to refresh current page.

**Device ID**

Display the identification number for the device.

**Network ID**

Display the sequence number for the device under such network.

**Model Name**

Display the model name of the device.

**Device Name**

Display the name that you specify for such device. If required, you can change the name.

**Mac Address**

Display the MAC address for the device.

**Location**

Type the address for the selected device. It will be helpful to be searched while using Topology Management.

**IP**

Display the WAN IP address of the selected device.

**Port**

Display the port number of the selected device.

## URI

Display the URI for the selected device.

## User Name

Such name is set in default for the CPE. Do not change it. You also can find such information from **System Maintenance>>TR-069** in the web configuration page of CPE.

## Password

Such password is set in default for the CPE. Do not change it. You also can find such information from **System Maintenance>>TR-069** in the web configuration page of CPE.

### System Maintenance >> TR-069 Setting

ACS and CPE Settings

ACS Server On

ACS Server

URL

Username

Password

CPE Client

☐ Enable ☒ Disable

URL

Port

Username

Password

Periodic Inform Settings

☐ Disable ☒ Enable

Interval Time  second(s)


## Status

Choose **Enable** to show the status of the selected device; choose **Disable** to hide the status of the selected device.

## Device Type

In general, VigorACS can manage and control the CPEs which follow TR069 standard. Do not change it.

## 8.2 Topology Management

To display the **location** of the CPE with a bird's eye view, please click  **Topology Management** for advanced operation.



Location

You can type the address (description) manually and click Zoom icon to search the device in the map.



Search

Click this button to search CPE.



Save

Click this button to save the change.

This page is left blank.



# Chapter 9 User Operation

Users who want to control CPE through VigorACS server can access VigorACS with private name and password. The user management function allows a user to set name, password, e-mail address as identification in VigorACS system.

Each time, when the user wants to access into VigorACS, he/she can type the name and password that configured in this page. Other people also can set different name and password for accessing VigorACS. However, the password will be displayed with codes for prevent peeping by other users. Therefore, you have to remember your password.

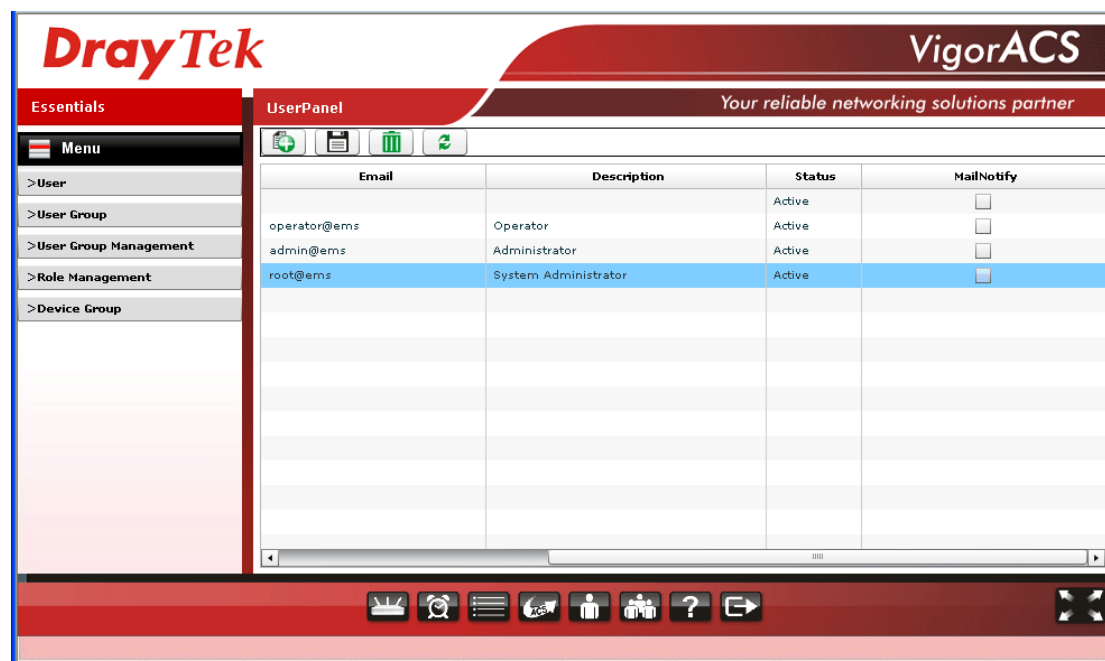


**You have to:**

- **Define User (refer to 9.1)**
- **Define User Group (refer to 9.2)**
- **Assign User (s) to certain User Group. (refer to 9.3)**
- **Use Role Management to specify certain authority to User Group(s) for displaying different functions (refer to 9.4)**

## 9.1 User

To add/edit/delete a user, choose **User** item from **Menu**. The following web page will be shown on the screen.





**Add user**

Click this button to add a new record.



**Save user setting**

Click this button to save the record.



**Delete user**

Click this button to delete the selected record.



**Refresh**

Click this button to refresh current page.

**UserName**

Display the name that users created.

**Password**

Display the password that users typed. It will be displayed with random codes. If you forget the password, simply click the item and click **Update** for changing the password manually.

**Email**

Display email address for certain user.

**Description**

Display the authority of the user. There are three levels – administrator, operator, and system administrator.

**Status**


Display current status of the user. “Active” means the user is on the network.

**MailNotify**

When this function is enabled, an e-mail will be sent to the one listed here as a notification when the device gets alarms.

### 9.1.1 Add a User



To insert a user, simply click . A new line with input boxes will appear for the user to type personal information for being identified by VigorACS.

operator	/pbDQXVqxBt0KDqSkMUt	operator@ems	Operator
admin	0DPiKuNIrrVmD8IUcUw1h	admin@ems	Administrator
root	+GW1NiOxIf007IQmx5Llw	root@ems	System Administrator
<input type="text"/>			

**Password**

Type the password for the user.

**Email**

Type the e-mail for communication between the user and VigorACS server.

**Description**

Type a brief description for the user.

**Status**

Choose **Active** to let the user can access into VigorACS at any time.

Choose **Inactive** to prevent the user accessing into VigorACS.

**MailNotify**


When this function is enabled, an e-mail will be sent to the user as a notification when the connected device gets

alarms.

### 9.1.2 Edit a User

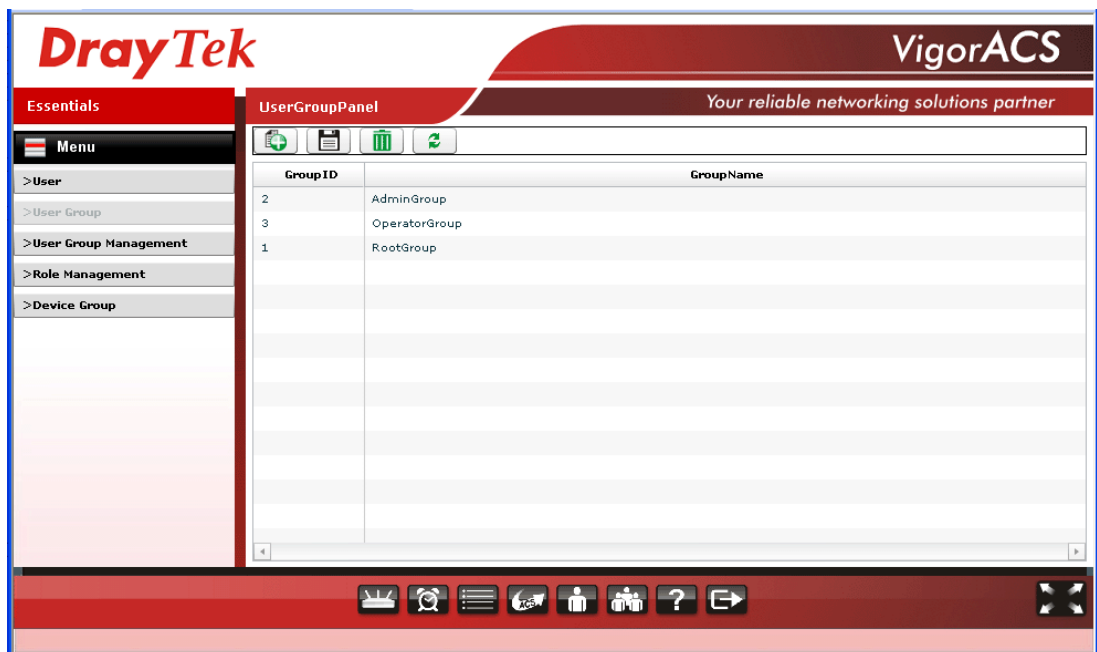
To edit a user (if it is useless or unsatisfied) setting, please select the one that you want to edit. Modify each box for your necessity.

### 9.1.3 Delete a User

To delete a user (if it is useless or unsatisfied) setting, please select the one that you want to delete and click .

## 9.2 User Group

This page allows you to add a new user group with common authority which will be shared by the users under the same group. **RootGroup** is defined in factory and owns the highest authority. You can define new user group(s) to fit your requirement.



**Add user group**

Click this button to add a new group.



**Save user group setting**

Click this button to save the record. When you add, edit or delete a user group, click this button to save the changes.



**Delete user group**


Click this button to delete the selected record.



**Refresh**

Click this button to refresh current page.

### 9.2.1 Add a User Group


To insert a user, simply click . A new line with an input box will appear for the user to type personal information for identified by VigorACS.

GroupID	GroupName
2	AdminGroup
3	OperatorGroup
1	RootGroup
0	Marketing

**GroupID**

Display the index number for the user group.


**GroupName**

Type the name (e.g., Marketing) that can represent the user group. When you finish the typing, click  to save it.

## 9.2.2 Edit a User Group

To edit a user group (if it is useless or unsatisfied) setting, please select the one that you want to edit. Modify each box for your necessity.

## 9.2.3 Delete a User Group

To delete a user group (if it is useless or unsatisfied) setting, please select the one that you want to delete and click .

## 9.3 User Group Management

This page allows you to specify users who want to access VigorACS into different user groups.

**DrayTek**
**VigorACS**

**Essentials**

- Menu
- > User
- > User Group
- > User Group Management
- > Role Management
- > Device Group

**UserGroupManagement**

UserGroup: AdminGroup

Available Users

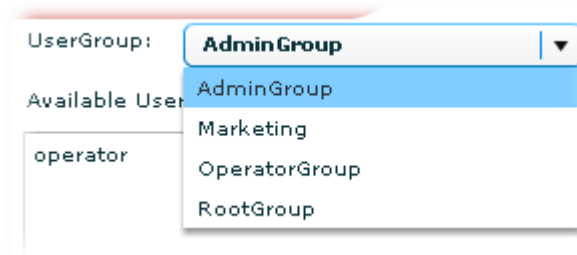
operator

Selected Users

root  
admin  
robin

## UserGroup

Choose one of the user groups from the drop down list. **RootGroup** is the default one.



Except **RootGroup** and **AdminGroup**, all the other user groups can be defined in the section **9.2 User Group**. If you want to add a new group, please refer to section **9.2 User Group** for detailed information.



**Refresh**

## Available Users

This box displays all the selectable users in VigorACS.

**root** – It has the highest authority. The one with such authority has such level can do all of the jobs in VigorACS without limitation.

**admin** – It has the higher authority.

## Selected Users

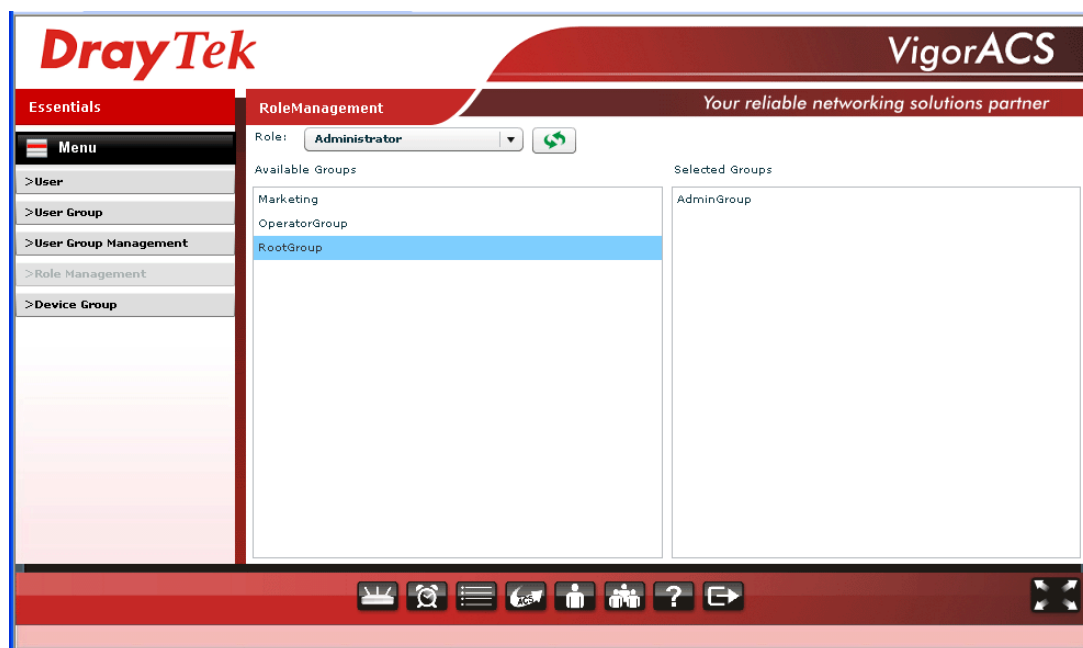
This box displays the users selected by this group.

Click one of the users in **Available Users** and drag to **Selected Users**, that one will be categorized under such user group. As to adding new users in VigorACS, please refer to section **9.1.1 Add a User** for detailed information.

## 9.4 Role Management

This page can specify the authority for a user group.

Groups under **Available Groups** do not own the role authority selected in **Role**. However, the groups under **Selected Groups** have the role authority specified in **Role**. Use the mouse to click one of the user groups in **Available Groups** and drag it to the box of **Selected Group** to give a role authority for that user group.



### Role

Choose the role for the selected **user group**. Different role represents different authority that the user group will have. That is the great the authority is, the more functions the user group can have.



**Administrator** – the middle authority.

**Operator** – the lowest authority.

**System Administrator** – the highest authority.



**Refresh**

Click this button to refresh current page.

### Available Groups

This box displays all the selectable user groups in VigorACS.

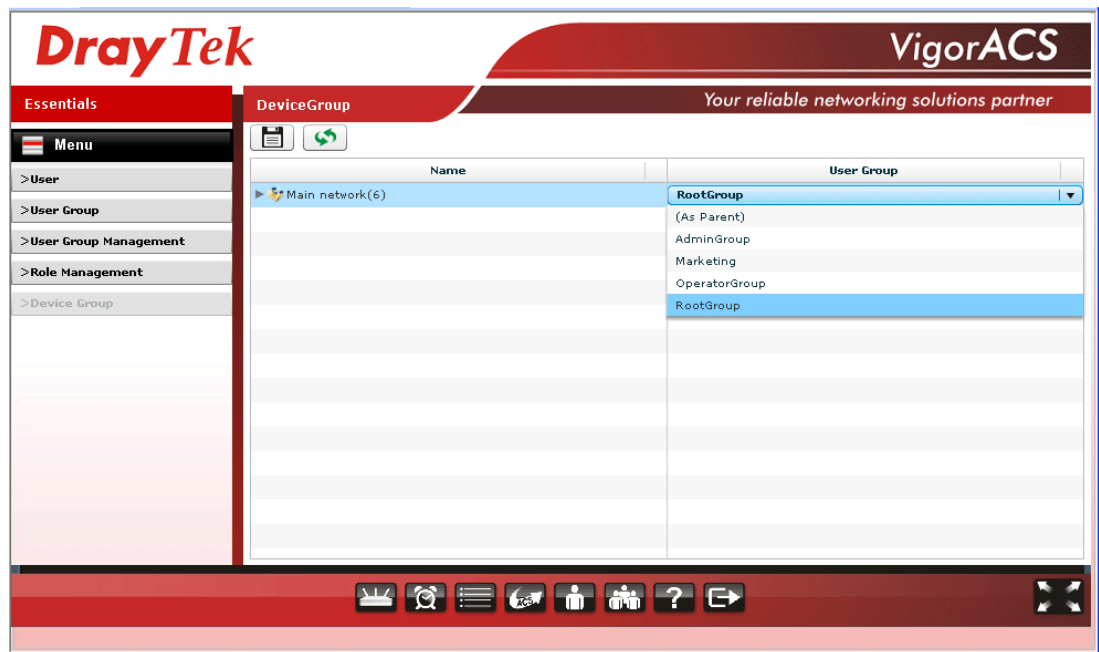
### Selected Groups

This box displays the users selected by this group.

Click one of the users in **Available Groups** and drag to

**Selected Groups**, that one will be categorized under such user group. As to adding new users in VigorACS, please refer to section **9.2.1 Add a User Group** for detailed information.

VigorACS allows administrator to manage users who want to access into VigorACS. In addition, it also allows the administrator (user) to manage networks and devices.



**Saves**

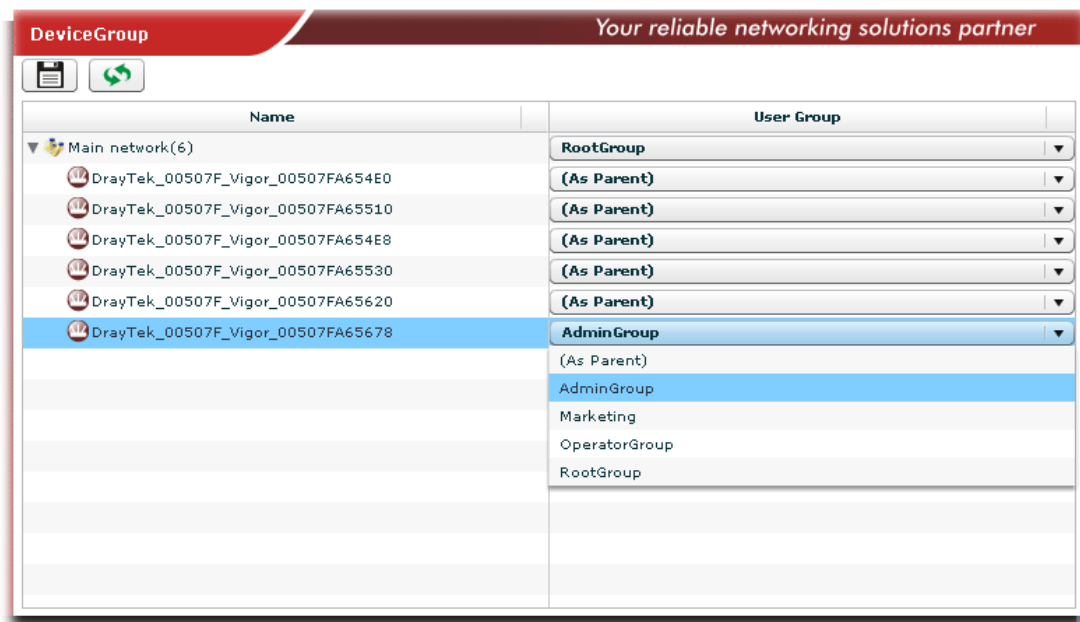
Click this button to save the record.



**Refresh**

Click this button to refresh current page.

Though the VigorACS server allows the administrator to create several user groups in the database, yet each CPE device can be assigned to one user group only. Therefore, if the CPE has been specified in certain user group, it will not be accessed by other users in different user group.



**User Group**

As Parent – Same setting as up one level.



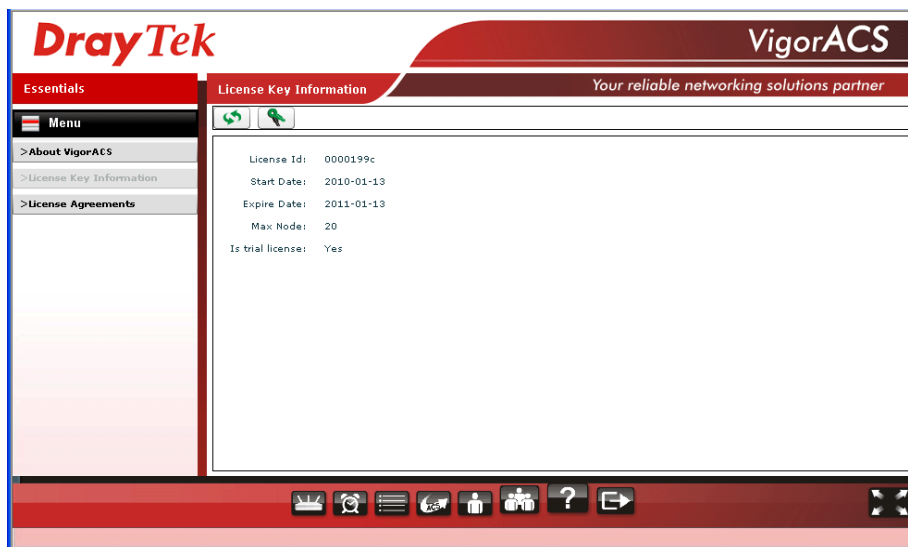
# Chapter 10 Help for License

Help page displays version information for VigorACS SI, as well as license key information and license agreements. Besides, it provides a channel to get new license from MyVigor website.



## 10.1 License Key Information

This page displays relational information for license key current used by VigorACS SI. In addition, it offers a channel to new the license key for VigorACS SI when it is going to be expired.



## 10.2 License Agreements

This page displays relational license information required by VigorACS SI.



**DrayTek** **VigorACS**  
Your reliable networking solutions partner

**Essentials** **License Agreements**

ACS use following library and license agreement.

LGPL V3

Name	Author	License Page
Blazeds		<a href="https://opensource.adobe.com/wiki/display/blazeds/License">opensource.adobe.com/wiki/display/blazeds/License</a>
JasperReports		<a href="http://www.gnu.org/copyleft/lesser.html">www.gnu.org/copyleft/lesser.html</a>
JDIC		<a href="http://www.gnu.org/copyleft/lesser.html">www.gnu.org/copyleft/lesser.html</a>

LGPL V2.1

Name	Author	License Page
JRobin API		<a href="http://oldwww.jrobin.org/license.html">oldwww.jrobin.org/license.html</a>
JBoss-4.0.4.GA		<a href="https://docs.jboss.org/jbossas/admin/development/326/html/apa.html">docs.jboss.org/jbossas/admin/development/326/html/apa.html</a>
Hibernate		<a href="http://www.hibernate.org/356.html">www.hibernate.org/356.html</a>
SendTrap		<a href="http://sendtrap.sourceforge.net/license.txt">sendtrap.sourceforge.net/license.txt</a>

Apache License, Version 2.0

Menu

- > About VigorACS
- > License Key Information
- > License Agreements

Icons: Home, Clock, List, Mail, User, Group, Help, Exit

# Part III Application



# Appendix A Configuration on CPE Device

## A.1 Set ACS URL on CPE

To manage CPEs through VigorACS, you have to set ACS URL on CPE first and set username and password for VigorACS.

1. Connect one CPE (e.g., Vigor2910 series).
2. Open a web browser (for example, **IE**, **Mozilla Firefox** or **Netscape**) on your computer and type **http://192.168.1.1**.
3. Please type username and password on the window. If you don't know the correct username and password, please consult your dealer to get them. In this section, we take the figures displayed on Windows as examples.



4. Open **System Maintenance >> TR-069**.

System Maintenance >> TR-069 Setting

**ACS and CPE Settings**

<b>ACS Server</b>	
URL	<input type="text" value="http://172.17.3.185:80/ACSServer/services/ACSServlet"/>
Username	<input type="text" value="acs"/>
Password	<input type="password" value="*****"/>

<b>CPE Client</b>	
<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
URL	<input type="text" value="http://172.16.3.229:8069/cwm/CRN.html"/>
Port	<input type="text" value="8069"/>
Username	<input type="text" value="vigor"/>
Password	<input type="password" value="*****"/>

**Periodic Inform Settings**

<input type="radio"/> Disable <input checked="" type="radio"/> Enable	
Interval Time	<input type="text" value="900"/> second(s)

OK

- If the connected CPE needs to be authenticated, please set URL as the following and type username and password for ACS server:

*http://{IP address of VigorACS}:80/ACSServer/services/ACSServlet*

- If the connected CPE does not need to be authenticated please set URL as the following:  
*http://{ IP address of VigorACS}:80/ACSServer/services/UnAuthACSServlet*
  - If the connected CPE needs to be authenticated and the data transmission between CPE and VigorACS needs to be encrypted (SSL), please set URL as the following:  
*https://{IP address of VigorACS}:443/ACSServer/services/ACSServlet*
  - If the connected CPE needs not to be authenticated but the data transmission between CPE and VigorACS needs to be encrypted (SSL), please set URL as the following:  
*https://{IP address of VigorACS}:443/ACSServer/services/UnAuthACSServlet*
5. Fill Username and Password for VigorACS Server for authentication. Please type as the following:  
**Username:** *acs*  
**Password:** *password*
  6. For the username and password of CPE client, it is not necessary for you to type them. Refer to section 3.2 for detailed information.

## A.2 Invoke Remote Management for CPE

You have to make sure that the CPE device you want to connect supports VigorACS features. Please consult your dealer if you have no idea in it.

1. Suppose WAN IP of CPE device has been setup successfully. And you can access into Internet without difficulty.
2. Login the device by web.
3. Go to **System Maintenance>>Management Setup**.

Check **Enable remote firmware upgrade (FTP)** and **Allow management from the Internet** to set management access control.

System Maintenance >> Management

**Management Setup**

**Management Access Control**

- ☒ Allow management from the Internet
- ☐ FTP Server
- ☒ HTTP Server
- ☒ HTTPS Server
- ☒ Telnet Server
- ☐ SSH Server
- ☒ Disable PING from the Internet

**Access List**

List	IP	Subnet Mask
1	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>

**Management Port Setup**

☒ User Define Ports ☐ Default Ports

Telnet Port	<input type="text" value="23"/>	(Default: 23)
HTTP Port	<input type="text" value="80"/>	(Default: 80)
HTTPS Port	<input type="text" value="443"/>	(Default: 443)
FTP Port	<input type="text" value="21"/>	(Default: 21)
SSH Port	<input type="text" value="22"/>	(Default: 22)

**SNMP Setup**

☐ Enable SNMP Agent

Get Community	<input type="text" value="public"/>
Set Community	<input type="text" value="private"/>
Manager Host IP	<input type="text"/>
Trap Community	<input type="text" value="public"/>
Notification Host IP	<input type="text"/>
Trap Timeout	<input type="text" value="10"/> seconds

OK

## A.3 Enable WAN Connection on CPE

You have to make sure the CPE device you want to connect has configured properly, and are able to access Internet.

1. Login the device by web.
2. Go to **Internet Access>>MPoA**.
3. Click **Enable** for MPoA.
4. Click **Specify an IP address**. Type correct WAN IP address, subnet mask and gateway IP address for your CPE. Then click **OK**.

WAN >> Internet Access

**WAN IP**

**Static or Dynamic IP (DHCP Client)**  
☒ Enable ☐ Disable

**ISDN Dial Backup Setup**  
Dial Backup Mode: None

**Keep WAN Connection**  
☐ Enable PING to keep alive  
PING to the IP:   
PING Interval: 0 minute(s)

**WAN Connection Detection**  
Mode: ARP Detect  
Ping IP:   
TTL:

**MTU**: 1442 (Max: 1500)

**RIP Protocol**  
☐ Enable RIP

**WAN IP Network Settings** **WAN IP Alias**

☐ Obtain an IP address automatically

Router Name:  \*  
Domain Name:  \*  
\* : Required for some ISPs

☒ **Specify an IP address**

IP Address: 172.16.3.229  
Subnet Mask: 255.255.0.0  
Gateway IP Address: 172.16.3.4

**DNS Server IP Address**  
Primary IP Address:   
Secondary IP Address:

☒ Default MAC Address  
☐ Specify a MAC Address  
MAC Address: 00 . 50 . 7F : DD . 15 . 19

OK Cancel

**Note:** Reboot the CPE device and re-login into VigorACS SI. CPE which has registered to VigorACS will be captured and displayed on the home page of VigorACS SI.

## A.4 Connect to ACS Server through PVC Channel

1. Login the device by web.
2. Go to **Internet Access>>MPoA**.
3. Click **Enable** for MPoA.
4. Choose 1483 Bride IP LLC as encapsulation. And set VPI and VCI with 8 and 35.
5. Click **Specify an IP address**. Type correct WAN IP address, subnet mask and gateway IP address for your CPE. Then click **OK**.

## Internet Access >> MPoA (RFC1483/2684)

**MPoA (RFC1483/2684) Mode**  
☒ Enable ☐ Disable

**DSL Modem Settings**  
 Multi-PVC channel:   
 Encapsulation:   
 VPI:   
 VCI:   
 Modulation:

**RIP Protocol**  
☐ Enable RIP

**Bridge Mode**  
☐ Enable Bridge Mode

**WAN IP Network Settings**  
☐ Obtain an IP address automatically  
 Router Name:   
 Domain Name:   
 \*: Required for some ISPs  
☒ Specify an IP address  
 IP Address:   
 Subnet Mask:   
 Gateway IP Address:   
☒ Default MAC Address  
☐ Specify a MAC Address  
 MAC Address:

- Go to **Internet Access>>Multi-PVCs**. Enable Channel 3 WAN check box and set VPI and VCI as 9 & 36.

**Multi-PVCs**

Channel	Enable	VPI	VCI	QoS Type	Protocol	Encapsulation
1.	<input checked="" type="checkbox"/>	8	35	UBR	MPoA	1483 Bridged IP LLC
2.	<input checked="" type="checkbox"/>	8	38	UBR	MPoA	1483 Bridged IP LLC
3.	<input checked="" type="checkbox"/> WAN	9	36	UBR	PPPoA	VC MUX
4.	<input type="checkbox"/> WAN	1	44	UBR	PPPoA	VC MUX
5.	<input type="checkbox"/> WAN	1	45	UBR	PPPoA	VC MUX
6.	<input type="checkbox"/>	1	46	UBR	PPPoA	VC MUX
7.	<input type="checkbox"/>	1	47	UBR	PPPoA	VC MUX
8.	<input type="checkbox"/>	1	48	UBR	PPPoA	VC MUX

Note: VPI/VCI must be unique for each channel!

OK Clear Cancel

- Click **WAN** link to open the following page for configuring in details.

**WAN for Router-borne Application:**

☒ Enable ☐ Disable

**DSL Modem Settings**  
 VPI:   
 VCI:   
 QoS Type:   
 Protocol:   
 Encapsulation:

**PPPoE/PPPoA Client**  
**ISP Access Setup**  
 ISP Name:   
 Username:   
 Password:   
 PPP Authentication:   
☒ Always On  
 Idle Timeout:  second(s)

**IP Address From ISP**  
☒ Fixed IP ☐ Yes ☒ No (Dynamic IP)

**MPoA (RFC1483/2684)**  
☐ Obtain an IP address automatically  
 Router Name:   
 Domain Name:   
 \*: Required for some ISPs  
☒ Specify an IP address  
 IP Address:   
 Subnet Mask:   
 Gateway IP Address:   
 DNS Server IP Address:



8. Set **WAN for Router-borne Application** as **Management**. And set VPI and VCI with 9 & 36. Choose **MPoA** as the protocol and choose **1483 Bridge IP LLC** as Encapsulation. Finally set a static IP address. Click **Ok**.
9. Open **System Maintenance >>TR-069**. Choose **PVC** for ACS Server On. Type correct URL for the ACS server. Type username and password for ACS Server.

ACS and CPE Settings

ACS Server On: PVC

ACS Server

URL: http://172.17.3.165:8080/ACSServer/services/ACSServlet

Username: acs

Password: \*\*\*\*\*

CPE Client

URL: http://172.17.3.162/cwm/CRN.html

Port: 80

Username: vigor

Password: \*\*\*\*\*

10. Click **OK** to save the settings. Now, reboot the CPE device and re-log into VigorACS SI. CPE which has registered to VigorACS will be captured and displayed on the home page of VigorACS SI.

This page is left blank.

# Appendix B Application and Tutorial

This chapter will guide you to create an account to access into MyVigor web site. Simply follow the instructions listed below to finish the account creation. Refer to C.1 or C.2 to create a new account.

**Note:** To register VigorACS SI, please return to Chapter 3 and follow the corresponding steps for registration.

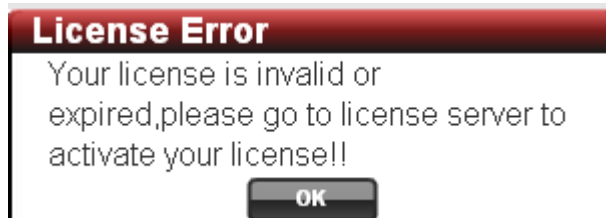
## B.1 Creating an Account for MyVigor

### B.1.1 Creating an Account via VigorACS SI

1. Click **Programs> VigorACS SI> VigorACS Web Page** to access into VigorACS. The login page of VigorACS will be shown as the following:

The image shows the VigorACS login interface. At the top, there is a red header bar with the "DrayTek" logo on the left and "VigorACS" on the right. Below the header is a white login box with a black "Login" tab on the left. Inside the box, there are two input fields: "User Name" with the text "root" and "Password" with masked characters "\*\*\*\*\*". A "Login" button is located at the bottom right of the input fields.

2. Please type “**root**” as user name and “**admin123**” as password. Then click **Login**. A License Error dialog appears as follows:



3. Click **OK**. A login page for MyVigor web site will pop up automatically.

**This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.**

LOGIN

UserName :

Password :

Auth Code :

AYi GXZ

If you cannot read the word, [click here](#)

Forget password?

Login

Don't have a MyVigor Account ?

[Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : (888) 3 597 2727 or  
email to :[webmaster@draytek.com](mailto:webmaster@draytek.com)

4. Click the link of **Create an account now**.
5. Check to confirm that you accept the Agreement and click **Accept**.

Register

Create an account - Please enter personal profile.

1 Agreement

2 Personal Information

3 Preferences

4 Completion

===== MyVigor Agreement =====

1. Agreement

Draytek provides MyVigor(myvigor.draytek.com) service according to this agreement. When you use MyVigor service, it means that you have read, understand and agree to accept the items listed in this agreement. Draytek can modify or change the content of the items without any reasons. It is suggested for you to notice the medications or changes at any time. If you still use MyVigor service after knowing the modifications and changes of this service, it means you have read, understand and agree to accept the modifications and changes. If you do not agree the content of this agreement, please stop using MyVigor service.

2. Registration

To use this service, you have to agree the following conditions:

(a) Provide your complete and correct information according to the registration steps of this service.

(b) If you provide any incorrect or fake information here, DrayTek has the right to pause or terminate

☒ I have read and understand the above Agreement. (Use the scroll bar to view the entire agreement)

<< Back

Accept >>

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**DrayTek**

6. Type your personal information in this page and then click **Continue**.

**Register**  
Create an account - Please enter personal profile. (Fields marked by (\*) are required)

**1 Agreement**  
**2 Personal Information**  
**3 Preferences**  
**4 Completion**

**Account Information**  
UserName: \*    
(3 ~ 20 characters)  
Password: \*   
(4 ~ 20 characters : Do not set the same as the username.)  
Confirm Password: \*

**Personal Information**  
First Name: \*   
Last Name: \*   
Company Name:   
Email Address: \*   
Please note that a valid E-mail address is required to receive the Subscription Code. You will need this code to activate your account.  
Tel:  -   
Country: \*   
Career: \*

7. Choose proper selection for your computer and click **Continue**.

**Register**  
Create an account - Please enter personal profile.

**1 Agreement**  
**2 Personal Information**  
**3 Preferences**  
**4 Completion**

How did you find out about this website?   
What kind of anti-virus do you use?   
I would like to subscribe to the MyVigor e-letter. ☒  
I would like to receive DrayTek product news. ☒  
Please select the mail server for receiving the verification mail.

8. Now you have created an account successfully. Click **START**.

**Register**  
Create an account - Please enter personal profile.

**1 Agreement**  
**2 Personal Information**  
**3 Preferences**  
**4 Completion**

**Completion**  
A confirmation email has been sent to **mary\_ted@tech.com**  
Please click on the activation link in the email to activate your account

**START**

9. Check to see the confirmation *email* with the title of **New Account Confirmation Letter from [www.vigorpro.com](http://www.vigorpro.com)**.

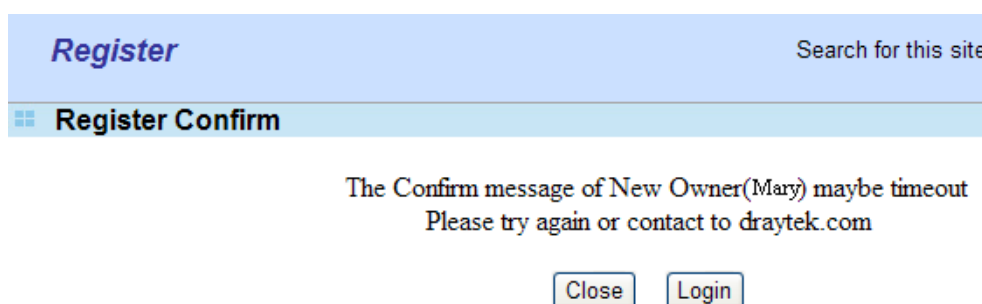
\*\*\*\*\* This is an automated message from myvigor.draytek.com.\*\*\*\*\*

Thank you (**Mary**) for creating an account.

Please click on the activation link below to activate your account

Link : [Activate my Account](#)

10. Click the **Activate my Account** link to enable the account that you created. The following screen will be shown to verify the register process is finished. Please click **Login**.



**Register** Search for this site

**Register Confirm**

The Confirm message of New Owner(Mary) maybe timeout  
Please try again or contact to draytek.com

11. When you see the following page, please type in the account and password (that you just created) in the fields of **UserName** and **Password**. Then type th

This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.



**LOGIN**

UserName :

Password :

Auth Code :  **T4he1C**

If you cannot read the word, [click here](#)

[Forget password?](#)

Don't have a MyVigor Account ? [Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : (888) 3 597 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)

12. Now, click **Login**. Your account has been activated.

## B.1.2 Creating an Account via MyVigor Web Site

1. Access into <http://myvigor.draytek.com>. Find the line of **Not registered yet?**. Then, click the link **Click here!** to access into next page.

The screenshot shows the MyVigor website homepage. The header includes the DrayTek logo, the MyVigor logo, and a Customer Survey button. A navigation menu on the left lists Home, About Us, Product, My Information, and VigorPro. The main content area is titled 'MyVigor for you' and contains information about the website's purpose, supported products (VigorPro Unified Security Firewall series), and supported routers (Vigor routers for models that support Commtouch™). It also mentions a trial version of Commtouch™ GlobalView Web Content Filter and future plans for more customer-oriented services. On the right, there is a Login section with fields for Username, Password, and AuthCode, a Login button, and a link for 'Not registered yet? Click here!'. A search bar is located at the top right.

2. Check to confirm that you accept the Agreement and click **Accept**.

The screenshot shows the MyVigor registration page. The header is orange and says 'Register'. Below it, the text reads 'Create an account - Please enter personal profile.' The page is divided into four steps: 1. Agreement, 2. Personal Information, 3. Preferences, and 4. Completion. The '1. Agreement' step is currently selected. The agreement text is displayed in a scrollable area, detailing the terms of service and registration conditions. At the bottom, there is a checkbox labeled 'I have read and understand the above Agreement. (Use the scroll bar to view the entire agreement)' which is checked. Below the checkbox are two buttons: '<< Back' and 'Accept >>'.

3. Type your personal information in this page and then click **Continue**.

**Register**

Create an account - Please enter personal profile. (Fields marked by (\*) are required)

**1 Agreement**

**2 Personal Information**

**3 Preferences**

**4 Completion**

**Account Information**

UserName: \*

(3 ~ 20 characters)

Password: \*

(4 ~ 20 characters : Do not set the same as the username.)

Confirm Password: \*

**Personal Information**

First Name: \*

Last Name: \*

Company Name:

Email Address: \*

Please note that a valid E-mail address is required to receive the Subscription Code. You will need this code to activate your account.

Tel:  -

Country: \*

Career: \*

4. Choose proper selection for your computer and click **Continue**.

**Register**

Create an account - Please enter personal profile.

**1 Agreement**

**2 Personal Information**

**3 Preferences**

**4 Completion**

How did you find out about this website?

What kind of anti-virus do you use?

I would like to subscribe to the MyVigor e-letter. ☒

I would like to receive DrayTek product news. ☒

Please select the mail server for receiving the verification mail.

5. Now you have created an account successfully. Click **START**.

**Register**

Create an account - Please enter personal profile.

**1 Agreement**

**2 Personal Information**

**3 Preferences**

**4 Completion**

**Completion**

A confirmation email has been sent to **mary\_ted@tech.com**  
Please click on the activation link in the email  
to activate your account

**START**



6. Check to see the confirmation *email* with the title of **New Account Confirmation Letter from [www.vigorpro.com](http://www.vigorpro.com)**.

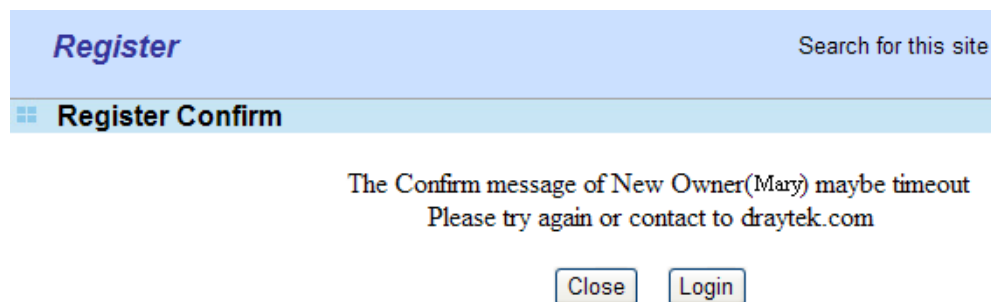
\*\*\*\*\* This is an automated message from myvigor.draytek.com.\*\*\*\*\*

Thank you (**Mary**) for creating an account.

Please click on the activation link below to activate your account

Link : [Activate my Account](#)

7. Click the **Activate my Account** link to enable the account that you created. The following screen will be shown to verify the register process is finished. Please click **Login**.



**Register** Search for this site

**Register Confirm**

The Confirm message of New Owner(Mary) maybe timeout  
Please try again or contact to draytek.com

8. When you see the following page, please type in the account and password (that you just created) in the fields of **UserName** and **Password**. Then type the code in the box of Auth Code according to the value displayed on the right side of it.

This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.



**LOGIN**

UserName :

Password :

Auth Code :  **T4he1C**

If you cannot read the word, [click here](#)

[Forget password?](#)

Don't have a MyVigor Account ? [Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : (886) 3 597 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)

Now, click **Login**. Your account has been activated.

**Note:** To register VigorACS SI, please return to Chapter 3 and follow the corresponding steps for registration.

## B.2 Upgrade VigorACS with New License Key

To control and manage the CPEs effectively, the administrator must acquire a new license from DrayTek regularly. Usually, the valid time of the license is one year. You have to renew your license when it is going to be expired.

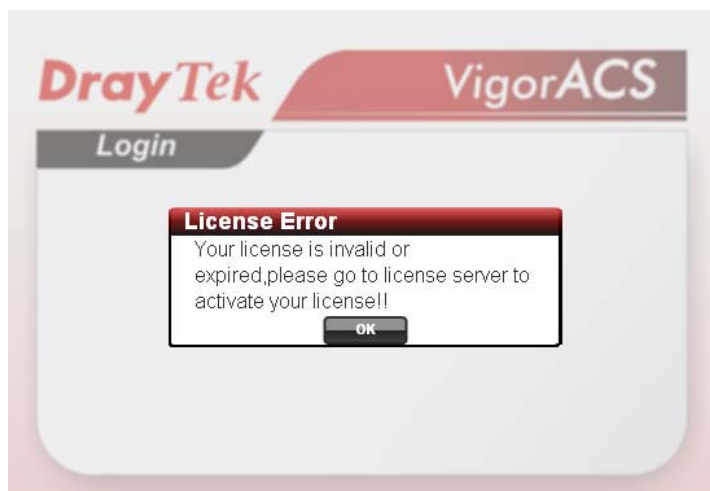
Please follow the steps listed below to get a new license for your VigorACS SI.

### B.2.1 License Is Invalid or Expired

1. Click **Programs> VigorACS SI> VigorACS Web Page** to access into VigorACS. The login page of VigorACS will be shown as the following:



2. Please type user name and password. Then click **Login**. A License Error dialog appears as follows. It indicates that you cannot access into VigorACS SI due to the invalid license. Please purchase a new one and return here to upgrade the license for using VigorACS SI. When you have prepared a new license, click the **OK** button.



3. A login page for MyVigor web site will pop up automatically. Type your account (user name) and password in this page. Enter the authentication code with the characters displayed on the screen. Then, click **Login**.

**This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.**

LOGIN

UserName :   
 Password :   
 Auth Code :



If you cannot read the word, [click here](#)

[Forget password?](#)

---

Don't have a MyVigor Account ?    [Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
 Customer Service : (886) 3 597 2727 or  
 email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)

4. MyVigor will verify and authenticate if the user account you typed is allowed to access into the web site. If yes, Device Information will appear as follows. Find and click **Renew** for the service item of ACS.

My Product

**Device Information**  
 Nickname : carrie\_yfn  
 Host ID :  
 Model : VigorACS

Device's Service
Expired License

Service	Provider	Action	Status	Start Date	Expired Date	Nodes
ACS	DT-ACS	<input type="button" value="Renew"/>	● On	-	-	

● Means such service is in use.

● Means such service is not in use.

● Means such service has not been activated yet.

● Means such service is in use and will be invalid soon(less than one month).

Trial

 Allows you to have the free trial for service.  

Renew

 Allows you to renew service license.  

Activate

 Allows you to activate service.

From the page, you can see the basic information for the trial version of VigorACS.

5. You will be guided to the following page. Type the new license number you purchase from the service provider in the corresponding field. And click **Add License**.

Apply For A License Number

Cancel

Service Name: ACS  
Service Provider: DT-ACS

STEP 1

☒ License Number : FD234-B61E3-3676F-B37B7 Add License

Tip : Please ensure that the licence key you enter is for the correct (your preferred) service provider.

Next

6. The new added license number will be displayed on the screen as shown below. Click **Next** for next page.

Apply For A License Number

Cancel

Service Name: ACS  
Service Provider: DT-ACS

STEP 1

☒ License Number : Add License

Tip : Please ensure that the licence key you enter is for the correct (your preferred) service provider.

Flag	License	Provider	Nodes	Status
del	FD234-B61E3-3676F-B37B7	DT-ACS	1000	valid

Next

7. Check the box of “**I have read and accepted the above...**” and click **Next**.

**Confirm Message**

Cancel

User Name : yfn  
Serial : 20100128013339  
Model : VigorACS

License Number	Service Provider	Status	Nodes
FD234-B61E3-3676F-B37B7	DT-ACS	valid	1000

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IMPORTANT:

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☒ I have read and accept the above Agreement. (Please check this box).

Next

8. The activation date will be displayed automatically. Simply click **Next**.

**Apply For A License Number**

Cancel

Service Name: ACS

**STEP 2**

Activation Date (MM-DD-YYYY): 03-10-2020 Next

9. A confirm message page will be shown as follows. If there is no problem, please click **Confirm**.

**Confirm Message**

User Name : carrie\_yfn  
Host ID :  
Activate Date : 2010-03-10  
Expired Date : 2011-03-09

License Number / Host ID	Service Provider	Status	Nodes
FD234-B61E3-3676F-B37B7	DT-ACS	valid	1000
Total: 1000 nodes			

Cancel Confirm

10. When the following screen appears, it means the new license for VigorACS SI has been activated. Click **Login to VigorACS**.

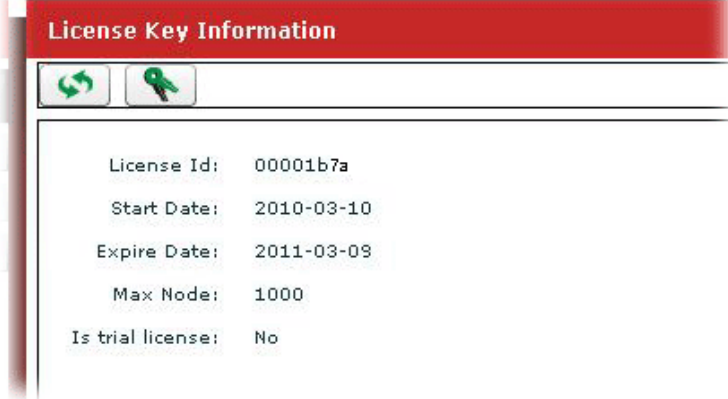


The screenshot shows a web interface titled "VigorACS License Information". It contains a table with license details and a "Login to ACS" button at the bottom.

VigorACS License Information	
Operation	1000 : Service activation
License id	00001b7a
Start date	2010-03-10
Expire date	2011-03-09
Max node	00000020
Is trial license	No

[Login to ACS](#)

11. Click **Login to ACS**. You will see the following screen with the new license information.



The screenshot shows a web interface titled "License Key Information". It features a red header, two icons (a refresh icon and a key icon), and a table displaying license details.

License Key Information	
License Id:	00001b7a
Start Date:	2010-03-10
Expire Date:	2011-03-09
Max Node:	1000
Is trial license:	No

## B.2.2 License Is Valid Still

1. Click **Programs> VigorACS SI> VigorACS Web Page** to access into VigorACS. The login page of VigorACS will be shown as the following:



The image shows the VigorACS login page. At the top, there is a red header with the DrayTek logo on the left and the VigorACS logo on the right. Below the header, the word "Login" is displayed in a black box. The main area is white and contains two input fields: "User Name" with the text "root" and "Password" with masked characters "\*\*\*\*\*". A "Login" button is located below the password field.

2. Please type “**root**” as user name and “**admin123**” as password. Then click **Login**.

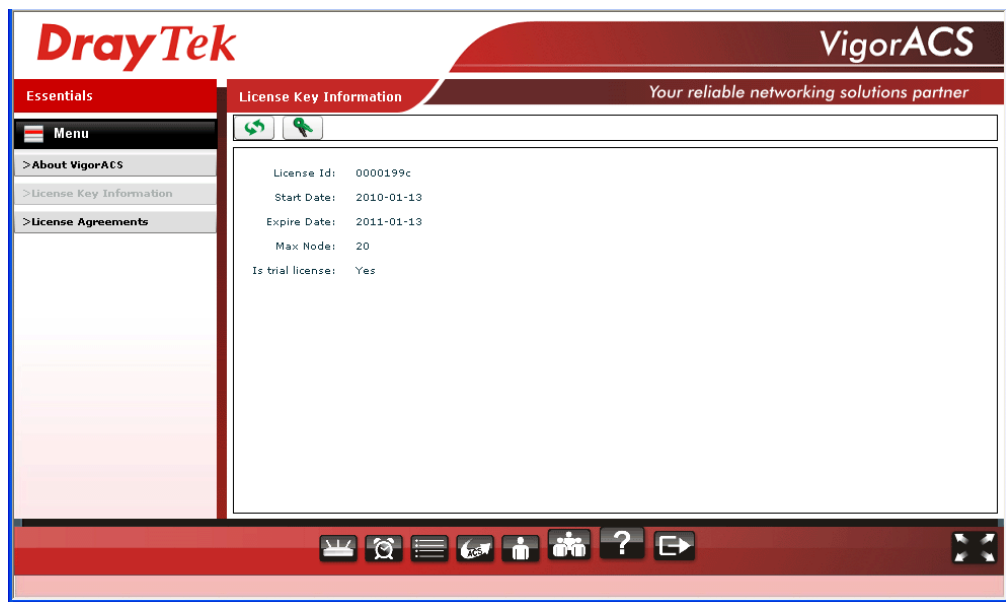



The image shows the VigorACS main dashboard after a successful login. The interface has a red header with the DrayTek logo and the VigorACS logo. Below the header, there is a navigation bar with the text "Your reliable networking solutions partner". The main content area is divided into several sections:

- Essentials**: A sidebar on the left with links to "Networks and Devices", "Wizards", "Reports", "Inventory Monitor", and "Search Device".
- Summary**: A section with a "Network View" button and a "View" button.
- Networks And Devices**: A section with a "Managed networks and devices" icon and a list of statistics: "Total number of networks:", "Alarm networks:", "Total number of devices:", and "Number of alarmed devices:".
- Unknown Devices**: A table with columns "IP Address", "Device Name", and "Device Type".
- Latest Alarms**: A section with a warning icon and a table with columns "Level", "Time", "Device Name", "Network", "Description", and "Action".

At the bottom of the dashboard, there is a red bar with several icons: a router, a clock, a list, a gear, a person, a group of people, a question mark, and a refresh button.

3. Open **Help**.



4. Click  from License Key Information page.
5. The welcome screen will be shown as follows. Type the username and password, and click **Login**.

This service is available for MyVigor member only. Please login to access MyVigor.  
If you are not one of the members of MyVigor, please create an account first.

**LOGIN**

UserName :

Password :

Auth Code :



If you cannot read the word, [click here](#)

[Forget password?](#)

Don't have a MyVigor Account ? [Create an account now](#)

If you are having difficulty logging in, contact our customer service.  
Customer Service : (886) 3 597 2727 or  
email to : [webmaster@draytek.com](mailto:webmaster@draytek.com)



6. The following screen will appear. Find and click **Renew** for the service item of ACS.

**My Product**

**Device Information**  
 Nickname : **carrie\_yfn**  
 Host ID :  
 Model : **VigorACS**

[Rename](#) [Delete](#) [Transfer](#) [Back](#)

[Device's Service](#) [Expired License](#)

Service	Provider	Action	Status	Start Date	Expired Date	Nodes
ACS	DT-ACS	<a href="#">Renew</a>	On	2010-03-03	2010-04-02	20

● Means such service is in use.  
 ● Means such service is not in use.  
 ● Means such service has not been activated yet.  
 ● Means such service is in use and will be invalid soon(less than one month).

[Trial](#) Allows you to have the free trial for service.  
[Renew](#) Allows you to renew service license.  
[Activate](#) Allows you to activate service.

7. You will be guided to the following page. Type the new license number you purchase from the service provider in the corresponding field. And click **Add License**.

**Apply For A License Number**

[Cancel](#)

Service Name: **ACS**  
 Service Provider: **DT-ACS**

**STEP 1**

License Number :  [Add License](#)

**Tip :** Please ensure that the licence key you enter is for the correct (your preferred) service provider.

[Next](#)

8. The new added license number will be displayed on the screen as shown below. Click **Next** for next page.

**Apply For A License Number**

[Cancel](#)

Service Name: **ACS**  
 Service Provider: **DT-ACS**

**STEP 1**

License Number :  [Add License](#)

**Tip :** Please ensure that the licence key you enter is for the correct (your preferred) service provider.

Flag	License	Provider	Nodes	Status
<a href="#">del</a>	FD234-B61E3-3676F-B37B7	DT-ACS	1000	valid

[Next](#)

9. Check the box of “**I have read and accepted the above...**” and click **Next**.

**Confirm Message**

Cancel

User Name : yfn  
Serial : 20100128013339  
Model : VigorACS

License Number	Service Provider	Status	Nodes
FD234-B61E3-3676F-B37B7	DT-ACS	valid	1000

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☒ I have read and accept the above Agreement. (Please check this box).

Next

10. The activation date will be displayed automatically. Simply click **Next**.

**Apply For A License Number**

Cancel

Service Name: ACS

STEP 2

Activation Date (MM-DD-YYYY): 04-03-2010 Next

11. A confirm message page will be shown as follows. If there is no problem, please click **Confirm**.

**Confirm Message**

User Name : carrie\_yfn  
Host ID :  
Activate Date : 2010-04-03  
Expired Date : 2011-04-02

License Number / Host ID	Service Provider	Status	Nodes
FD234-B61E3-3676F-B37B7	DT-ACS	valid	1000

Total: 1000 nodes

Cancel Confirm

12. When the following screen appears, it means the new license for VigorACS SI has been added. You can access into VigorACS.

**VigorACS License Information**

Operation	1000 : Service activation
License id	00001b7a
Start date	2010-03-03
Expire date	2010-04-02
Max node	00000020
Is trial license	Yes



[Login to ACS](#)

**Note:** For the trial version is still in valid period, you will see VigorACS SI with two licenses controlled under My Vigor website.





When the trial version is expired, please click the **On** (with red light) button to activate the new added license for VigorACS SI.

Host ID :  
Model : VigorACS

[Rename](#) [Delete](#) [Transfer](#) [Back](#)

Device's Service		Expired License				
Service	Provider	Action	Status	Start Date	Expired Date	Nodes
ACS	DT-ACS	<a href="#">Renew</a>	 On	2010-03-03	2010-04-02	20
ACS	DT-ACS	<a href="#">Renew</a>	 On	2010-04-03	2011-04-02	1000

**Trial Version**

 Means such service is in use.  
 Means such service is not in use.  
 Means such service has not been activated yet.  
 Means such service is in use and will be invalid soon(less than one month).

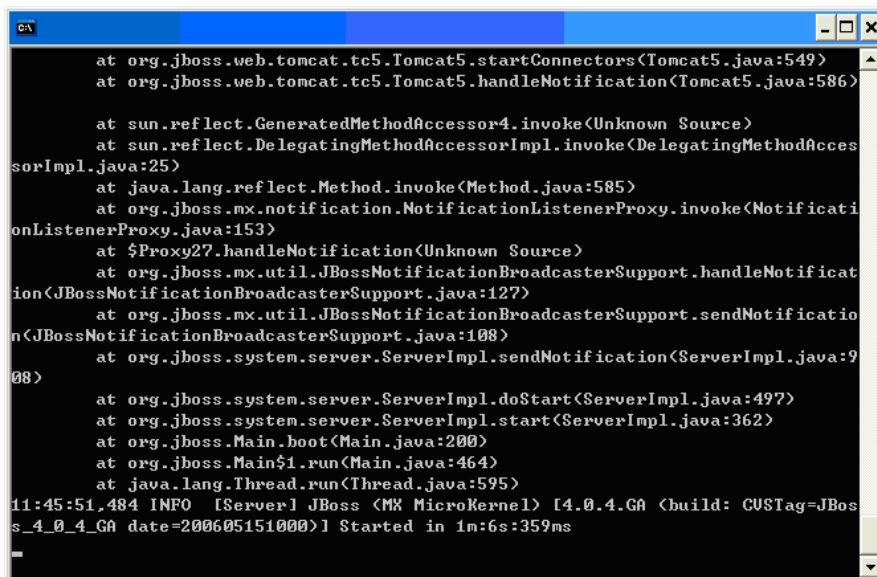
[Trial](#) Allows you to have the free trial for service.  
[Renew](#) Allows you to renew service license.  
[Activate](#) Allows you to activate service.

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# Appendix C Trouble Shooting

This appendix will guide you to solve abnormal situations if you cannot access into the Internet after installing the router and finishing the web configuration. Please follow sections below to check your basic installation status stage by stage.

When you try to invoke VigorACS and get the following error message, please locate the file of “*server.log*” from **C:/Program Files/VigorACS SI/server/default/log** and send the file to your dealer for further assistance.



```
at org.jboss.web.tomcat.tc5.Tomcat5.startConnectors(Tomcat5.java:549)
at org.jboss.web.tomcat.tc5.Tomcat5.handleNotification(Tomcat5.java:586)

at sun.reflect.GeneratedMethodAccessor4.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
sorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:585)
at org.jboss.mx.notification.NotificationListenerProxy.invoke(NotificationLi
sonListenerProxy.java:153)
at $Proxy27.handleNotification(Unknown Source)
at org.jboss.mx.util.JBossNotificationBroadcasterSupport.handleNotificat
ion(JBossNotificationBroadcasterSupport.java:127)
at org.jboss.mx.util.JBossNotificationBroadcasterSupport.sendNotificatio
n(JBossNotificationBroadcasterSupport.java:108)
at org.jboss.system.server.ServerImpl.sendNotification(ServerImpl.java:9
08)
at org.jboss.system.server.ServerImpl.doStart(ServerImpl.java:497)
at org.jboss.system.server.ServerImpl.start(ServerImpl.java:362)
at org.jboss.Main.boot(Main.java:200)
at org.jboss.Main$1.run(Main.java:464)
at java.lang.Thread.run(Thread.java:595)
11:45:51,484 INFO [Server] JBoss (MX MicroKernel) [4.0.4.GA (build: CVSTag=JBos
s_4_0_4_GA date=200605151000)] Started in 1m:6s:359ms
```

For Linux system, please locate the file of “*server.log*” from **/usr/local/vigoracs/VigorACS/server/default/log/** and send the file to your dealer for further assistance.

## C.1 Contacting Your Dealer

If the router still cannot work correctly after trying many efforts, please contact your dealer for further help right away. For any questions, please feel free to send e-mail to [support@draytek.com](mailto:support@draytek.com).

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# Appendix D Reference Information

## D.1 For Linux System

Corresponding files on Linux system required for VigorACS will be stored in the following paths:

```
java: /usr/local/jdk1.5.0_07
mysql: /usr/local/mysql
vigoracs: /usr/local/vigoracs/VigorACS/

log: /usr/local/vigoracs/VigorACS/server/default/log/server.log
bind ip: /usr/local/vigoracs/VigorACS/bin/startway.txt
mysql data: /usr/local/mysql/data/tr069
start/stop vigoracs : /usr/local/vigoracs/VigorACS/bin/vigoracs.sh
```

To check the current process of VigorACS, please use the following commands to inquire

```
ps(vigoracs): ps -ef | grep "/usr/javase/bin/java -server" |grep -v grep
ps(mysql): ps -ef | grep safe_mysql|grep -v grep
or
ps -ef | grep mysqld_safe|grep -v grep
```

Some link files are required for VigorACS running under Linux system properly. If any one of them is missed, unexpected problems might be happened.

```
ln(java): /usr/javase >> /usr/local/jdk1.5.0_07/
ln(mysql): /usr/local/mysql >> /usr/local/mysql-5.1.41-linux-i686-glibc23
ln(mysql): /tmp/mysql.sock >> /var/lib/mysql/mysql.sock
```

## D.2 For Windows XP System

Corresponding files on Windows XP system required for VigorACS will be stored in the following paths:

```
java: C:\Program Files\Java\jdk1.5.0_07
mysql: C:\mysql
vigoracs: C:\Program Files\VigorACS SI

log: C:\Program Files\VigorACS SI\server\default\log\server.log
license key: C:\Program Files\VigorACS SI version\license.key
bind ip: C:\Program Files\VigorACS SI\bin\bindip.txt
mysql data: C:\mysql\data\tr069
start vigoracs : C:\Program Files\VigorACS SI\bin\StartVigorACS.bat
stop vigoracs : C:\Program Files\VigorACS SI\bin\ShutdownVigorACS.bat
```

