



VigorView

Centralized System Manager

User's Guide

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1

System Settings

Before you use VigorView to manage the routers on the network, please configure the system settings first. After you finish the basic settings on the **Main** page, you can then access into **System** page for configuring more settings to have complete management.

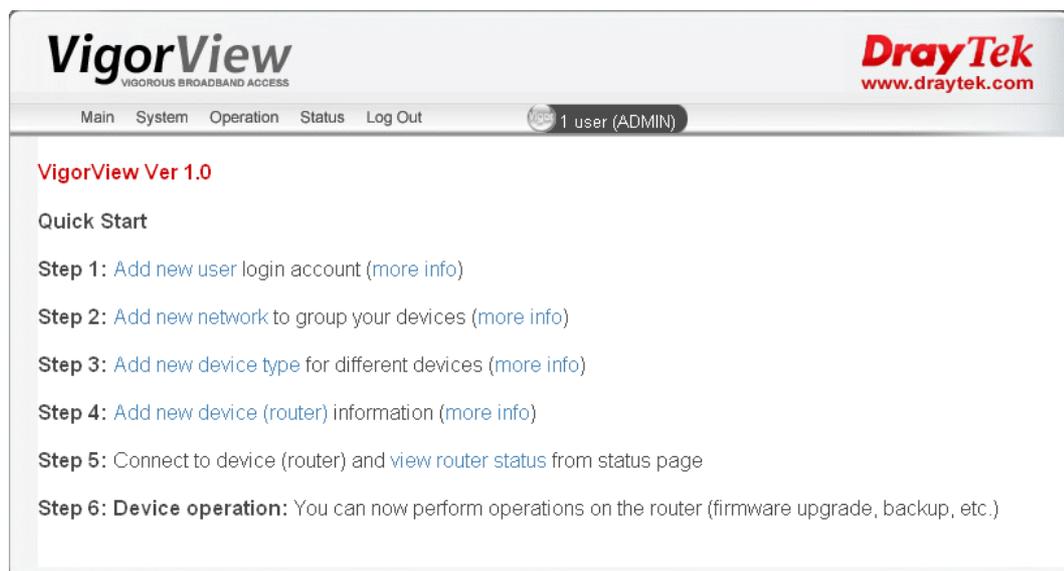
1.1 Login VigorView

Usually, after installing VigorView, the system will guide you to access into the login page. Simply type in **admin** (default value) for the username and password, and click **Login**.



Note: If you close the VigorView login page for any reason and want to access for the next time, please type IP address of 127.0.0.1 in the address field and press Enter. The above login page will be popped up. If you have any problem, please refer to troubleshooting 4.1.

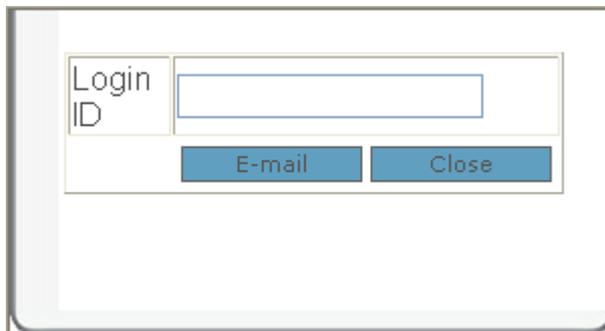
After log in VigorView, the home page will be shown as below:



For the operation of Quick Start, please refer **Quick Start Guide**.

1.1.1 Forget Password

If you forget the login password, please click **Forget Password** in the Login screen to open the following page.



The image shows a dialog box titled "Forget Password". It contains a text input field labeled "Login ID". Below the input field are two buttons: "E-mail" and "Close".

Type in your Login ID and click **E-mail**. The password that you set before for that username will be sent out to your mailbox.

If you cannot receive the password from e-mail, there are two ways for you to check if the SMTP is set correctly or not.

- Please open the file of PHP.ini first. Locate the following line:

```
SMTP = xxx.xxx.xxx.xxx ; for Win32 only
smtp_port = 25
sendmail_from= xxx@xxxx.com ; for Win32 only
```

You have to know the IP address (xxx.xxx.xxx.xxx) of the SMTP and add it into proper position. As to *sendmail_from* line, please assign the e-mail address for VigorView. Later when you click E-mail on the Forget Password dialog, the correct password will be sent to the specified e-mail address.

- On **VigorView Settings** (can be seen only for administrator) page, type in the SMTP_Server IP address.



The image shows the VigorView Settings page. The page title is "VigorView" with the subtitle "VIGOROUS BROADBAND ACCESS". The DrayTek logo and website URL "www.draytek.com" are in the top right corner. The navigation menu includes "Main", "System", "Operation", "Status", and "Log Out". The current user is "1 user (ADMIN)". The "VigorView Settings" section contains the following configuration items:

Timeout (in seconds, '0' to disable):	600
Enable Router Status	<input checked="" type="checkbox"/>
Enable Online Traffic	<input checked="" type="checkbox"/>
Enable Database Backup	<input checked="" type="checkbox"/>
Enable Alert	<input checked="" type="checkbox"/>
Enable Alert (Errors)	<input checked="" type="checkbox"/>
Enable Alert (Firmware)	<input checked="" type="checkbox"/>
Enable Alert (Connections)	<input checked="" type="checkbox"/>
Enable Syslog Cleanup	<input checked="" type="checkbox"/>
Syslog Cleanup Interval (in days)	3
SMTP_Server	<input type="text"/>

An "Apply Changes" button is located at the bottom left of the settings area. The "SMTP_Server" field is highlighted with a red rectangle.

1.2 Logout VigorView

To logout VigorView but want to login with another username, simple click **Logout** menu. Later, the login page will be displayed. You can type in another username for login with that identity.

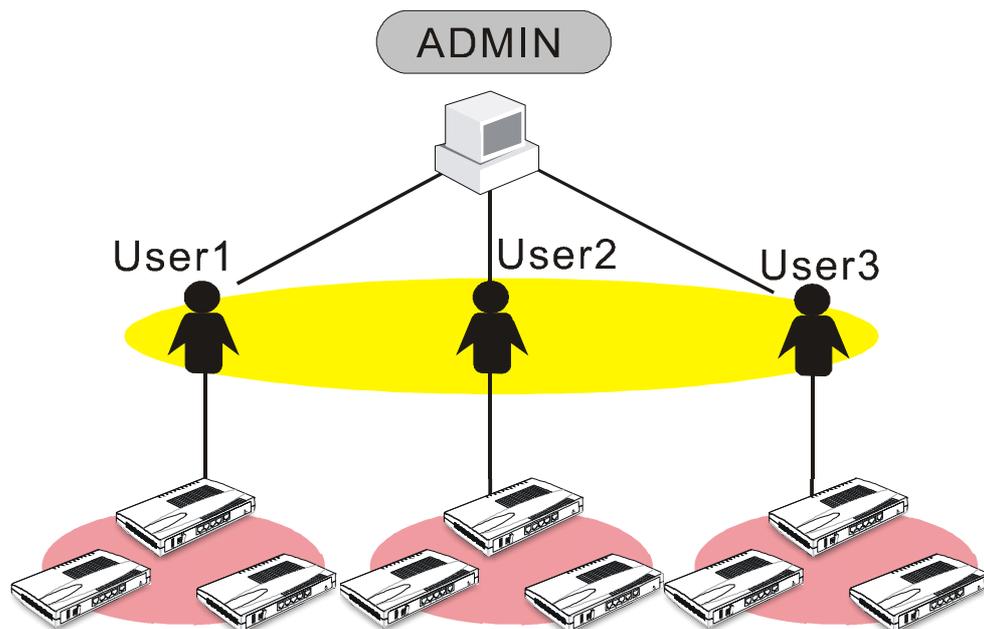


1.3 Users Settings

To manage routers for operation with one task, you have to build user(s) first. Each time when you want to login VigorView, different users can use different account that you created in this page to manage different groups of routers.

One user can handle many routers. And the administrator can handle all the users. With such settings, lots of routers can be divided into several groups with specific usernames. The user name of **ADMIN** is the default administrator.

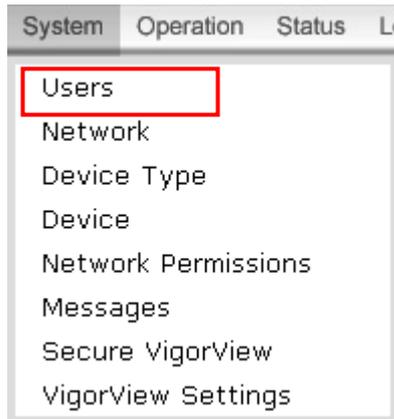
Note: Do not delete ADMIN account before adding another admin account.



User 1, 2 or 3 cannot access into the group of each other; yet ADMIN can access into each group with ease for it manages all of them.

To add users, do the following:

1. Log in VigorView with the identity of administrator by typing default username and password. The main screen of VigorView will be shown later.
2. From the **System** menu, choose **Users**.



3. On the **User List (Active Users)** page, please click **Add**.



4. On the page of **User Add**, type in user ID with upper case. Enter new password for this new user on the field of **Password** (do not set the same password as of the administrator). Next, retype the one on the **Confirm Password**. Type a valid e-mail address on the field of E-mail. As to **User Type**, please choose **Normal User** for general purpose. Then click **Add**.

User Add

User ID (Upper Case)	USER01
Password	••••••
Confirm Password	••••••
E-mail	user01@yahoo.com
User Type	Normal User
Active	<input checked="" type="checkbox"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

User ID (Upper Case)

Type in new name for the first group you want to create.

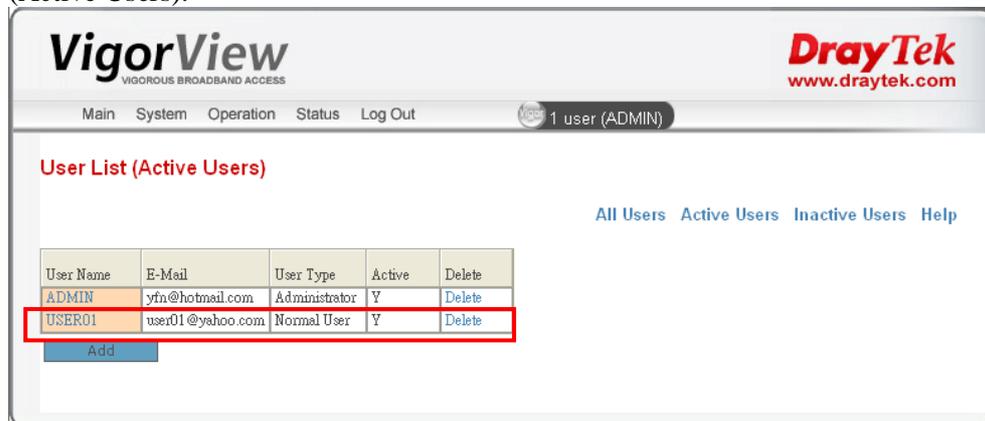
Password

Type in new password for this new user.

Confirm Password	Retype the new password.
E-mail	Type in a real and useful e-mail address.
User Type	There are three types of user for this option, Administrator, Normal User and Guest. Administrator can manage all the users; users can manage his own network (group). Guest can only read the router status in public network. Choose a proper type for current created user.
Active	Check this box for invoking this setting.
Add	Click this button to add the new user and display it on User List page.

Note: You have to type in a real e-mail address in this page. When you forget the password of this user ID or the system alert occurs, the system can send it to the e-mail address that you wrote here.

5. A new item with the name of **USER01** is created and shown on the page of **User List** (Active Users).



User Name	Lists the user ID of the users that you created.
E-Mail	Lists the e-mail address for that user that you created.
User Type	Lists the type of that user.
Active	Lists the status for that user. Y means Active, N means inactive.
Delete	Allows you to remove that user with corresponding settings.
All Users	Click this link to list all the active and inactive users in this page.
Active Users	Click this link to list all the active users.
Inactive Users	Click this link to list all the inactive users.
Help	Click this link to display online help for current page.

6. Repeat the same procedure for adding more users (for example, user02 and user03).

1.4 Network Settings

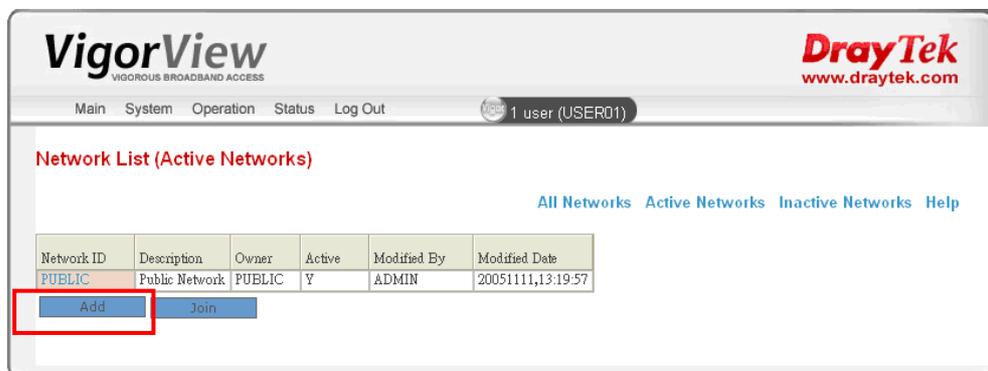
For the security in network, you have to build a specific network environment for current user account. It is recommended for you to logout Admin account and re-login VigorView with another username and password that you want the networks to be built under.

1.4.1 To Add a New Network

1. From the **System** menu, choose **Network**.



2. When the **Network List** page appears, click **Add**.



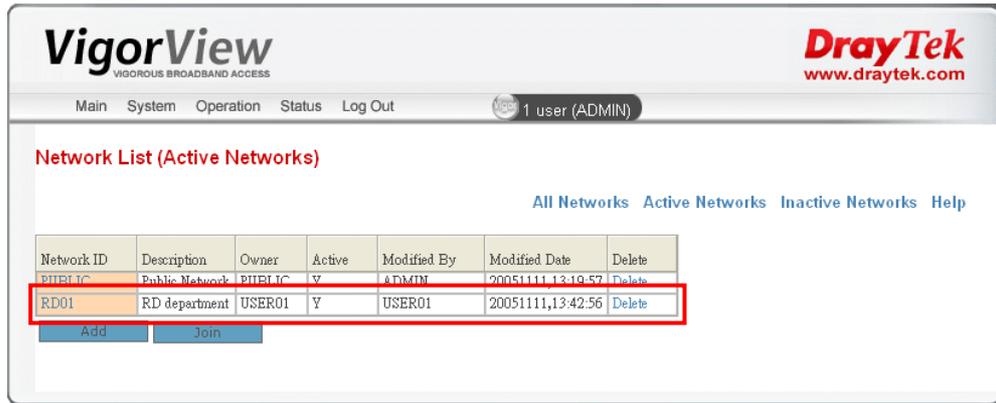
3. On the **Network Add** page, please type in Network ID (with the name that easy to be identified) and write down proper description for the ID. And check the box of **Active**. Finally, click **Add**.

Network Add

Network ID (Upper Case)	<input type="text" value="RD01"/>
Description	<input type="text" value="RD Departments"/>
Active	<input checked="" type="checkbox"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

- Network ID** Lists the network ID for current user that you created.
- Description** Give a brief description for this network ID.
- Active** Check this box for invoke this setting.
- Add** Click this button to add the new user and display it on User List page.

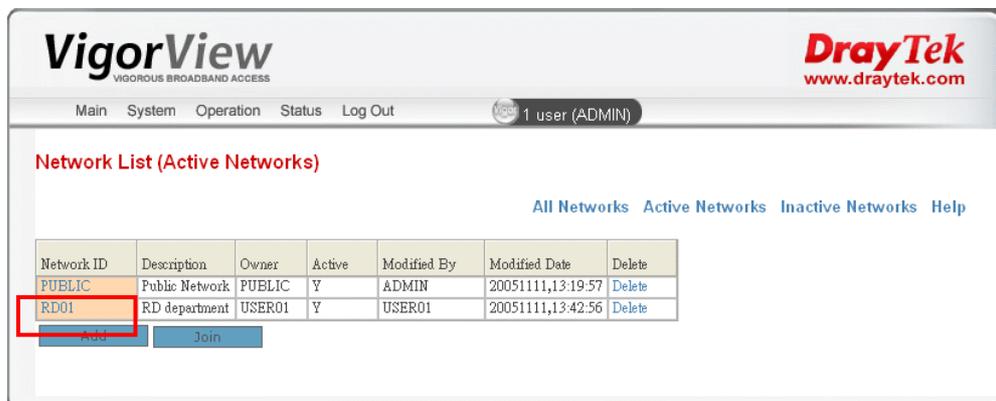
4. After clicking **Add**, the new network will be added on the **Network List** (All Networks) with the name that you type above.



- Network ID** Lists all the network IDs for current user account.
- Description** Lists the brief description for each network ID.
- Owner** Displays the owner of that network.
- Modified By** Displays the last account that modifies this network.
- Modified Date** Displays the last date that the network is changed.
- Delete** Allows you to remove that network with corresponding settings.
- Add** Click this button to open Network Add dialog for typing adding information.
- Join** Click this button to access Network Permissions screen for joining to another network.
- All Networks** Click this link to list all the active and inactive networks for current user account in this page.
- Active Networks** Click this link to list all the active networks.
- Inactive Networks** Click this link to list all the inactive networks.
- Help** Click this link to display online help for current page.

1.4.2 To Modify a Network

1. If you want to modify network after created it, simple click the new added network ID link.



2. The following screen will be displayed for you to proceed the modification.

Network Modify

Network ID (Upper Case)	RD01
Description	<input type="text" value="RD department"/>
Network Owner	USER01 ▾
Active	<input type="checkbox"/>
<input type="button" value="Modify"/> <input type="button" value="Cancel"/>	

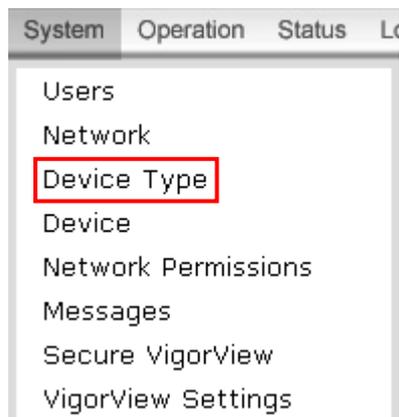
- Description** The previous description will be displayed in this field. You can modify it.
- Network Owner** PUBLIC and ADMIN are default settings. The new one (e.g., USER01) that you created in **User List** page will be shown here, too. You can assign this network ID to another owner by using the drop down menu. If you select **PUBLIC**, it means every valid user including guest is allowed to access the network.
- Active** Check this box to activate this network; or uncheck this box to inactivate this network.
- Modify** Click this button to finish the modification.

1.5 Device Type Settings

Different devices need to be assigned with different type. This page allows you to accomplish such purpose.

1.5.1 To Add a New Device Type

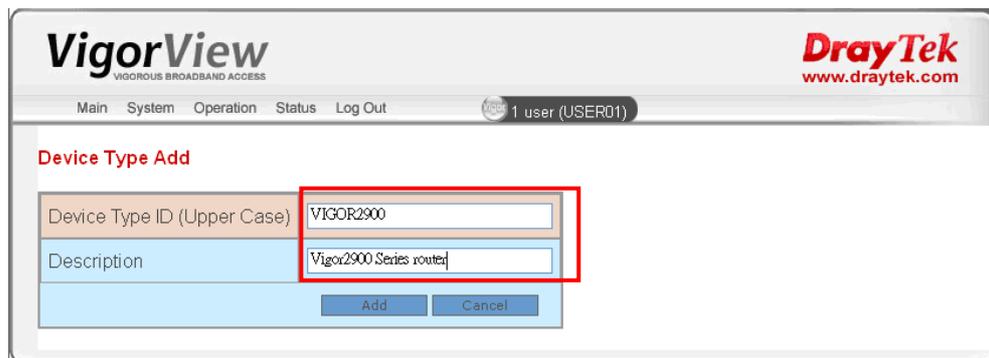
1. From the **System** menu, choose **Device Type**.



2. When the **Device Type List** page appears, click **Add**.



3. On the **Device Type Add** page, please type in the device type ID and the corresponding description for the router. Then click **Add** again.



Device Type ID

Type in the name of the router for current network.

Description

Give a brief description for this device.

Add

Click this button to add the new device type and display it on Device Type List page.

4. Now, the new device type will be displayed on the **Device Type List** page.



Device Type

Lists the device type for current router.

Description

Lists the brief description for the device.

Delete

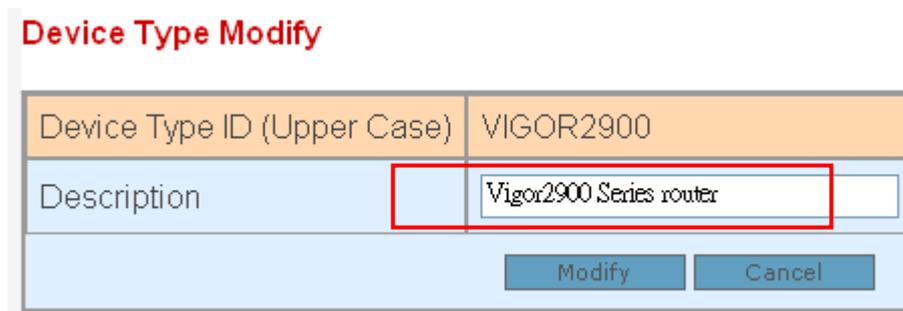
Allows you to remove that device type with corresponding settings.

1.5.2 To Modify a Device Type

1. If you want to modify a device type after created it, simple click the new added device type link.



- The following screen will be displayed for you to proceed the modification.



Description

The previous description will be displayed in this field. You can modify it.

Modify

Click this button to finish the modification.

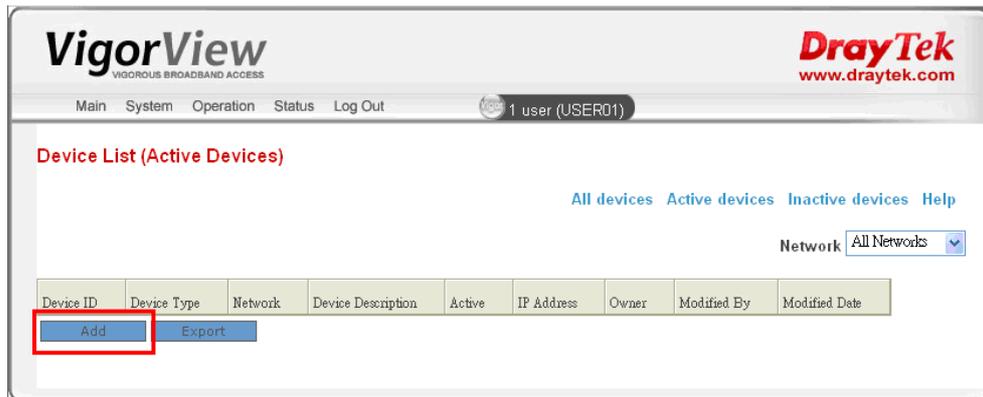
1.6 Device Settings

This page allows you to add device information for each device.

- From the **System** menu, choose **Device**.



- When the **Device List** page appears, click **Add**.



- Device ID** List the name of the device.
- Device Type** List the device type for the device.
- Network** List the network that the device belongs to.
- Device Description** List the brief description for the device.
- Active** Display the status of the network. Y means active; N means inactive.
- IP Address** Display the WAN IP address for this device.
- Owner** Display the owner of current network.
- Modified By** Display the name of the user who modified the information of this device.
- Modified Date** Display the date of the last time modification.
- Add** Click this button to open **Device Add** page.

3. Type in all the required information on the page. Check on **Active**. Then click **Add**.

Device Add

Device ID (Upper Case)	VIGOR2900
Password	
Device Type	Vigor2900 Series router
Device Description	router of user01
Network	RD department
IP Address	192.168.1.1
Host Name	
Owner	USER01
Telnet Port	23
Ftp Port	21
Http Port	80
Https Port	443
Security	No Secure Connection
Active	<input checked="" type="checkbox"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

Device ID	Type in a new name for such device.
Password	Type in the password that you used to access into the webpage for configuring of that device.
Device Type	Choose a proper device type for this device by using the drop down list.
Device Description	Type in brief explanation for this device.
Network	Assign one network group for this device by using the drop down list.
IP Address	Type in the WAN IP address for this device.
Host Name	Type in the host name (the name used in DDNS of the router) of this device. If you know the IP address of this device, you can skip this field.
Owner	Assign the owner of the network group for this device.
Telnet Port	Keeping the default value if you haven't changed the router setting.
Ftp Port	Keeping the default value if you haven't changed the router setting.
Http Port	Keeping the default value if you haven't changed the router setting.
Https Port	Keeping the default value if you haven't changed the router setting.
Security	Use the drop down list to choose a proper security configuration for this device. For secure connection, please refer to section 1.9 of this guide.
Active	Check this box to activate this network; or uncheck this box to inactivate this network.
Add	Click this button to add the new device and display it on Device List page.

4. Now, a new router is added on the **Device List (Active Devices)**.

The screenshot shows the VigorView web interface. At the top, there is a navigation bar with tabs for 'Main', 'System', 'Operation', 'Status', and 'Log Out'. A user indicator shows '1 user (USER01)'. The main content area is titled 'Device List (Active Devices)'. Below the title, there are links for 'All devices', 'Active devices', 'Inactive devices', and 'Help'. A 'Network' dropdown menu is set to 'All Networks'. A table displays the following data:

Device ID	Device Type	Network	Device Description	Active	IP Address	Owner	Added By	Added Date
VIGOR2900	VIGOR2900	RD01	router of user01	Y	192.168.1.1	USER01	USER01	20051111,13:45:33

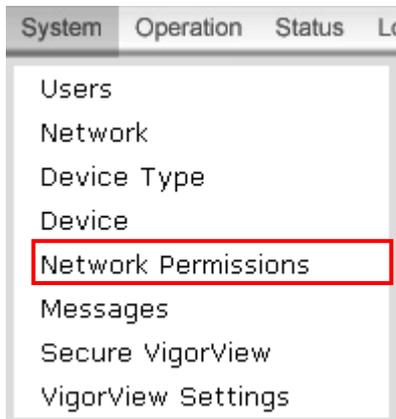
Below the table, there are 'Add' and 'Export' buttons.

Export Allows you to export current information about the device with the file extension .CSV.

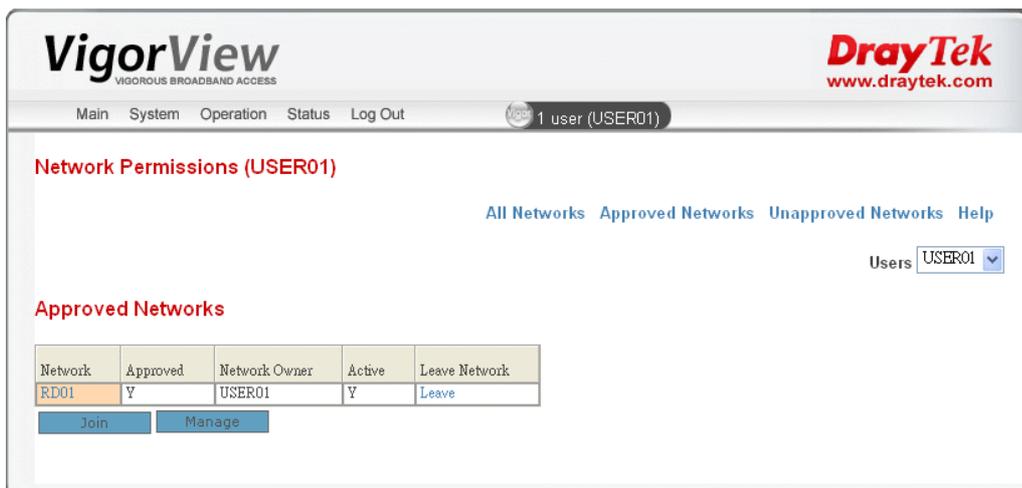
1.7 Network Permissions Settings

Basically, a user cannot see the detailed content of another one. Yet it can ask to join to the network of another user. The one that is asked to be joined can determine the permission for joining or deny the request.

From the **System** menu, choose **Network Permissions**.



The **Network Permissions** page appears as follows.



All Networks

Click this link to list all the active and inactive networks for current network in this page.

Active Networks

Click this link to list all the active networks.

Inactive Networks

Click this link to list all the inactive networks.

Help

Click this link to display online help for current page.

User

Select the user that you want to manage. If you want to manage all the users, you have to use ADMIN account to log in VigorView. Otherwise, you can manage the networks under current user only.

Network

Display the network of the applicant.

Approved

Y means the applicant is allowed to join to the network of current user. **No** means the applicant is not allowed to join.

Network Owners

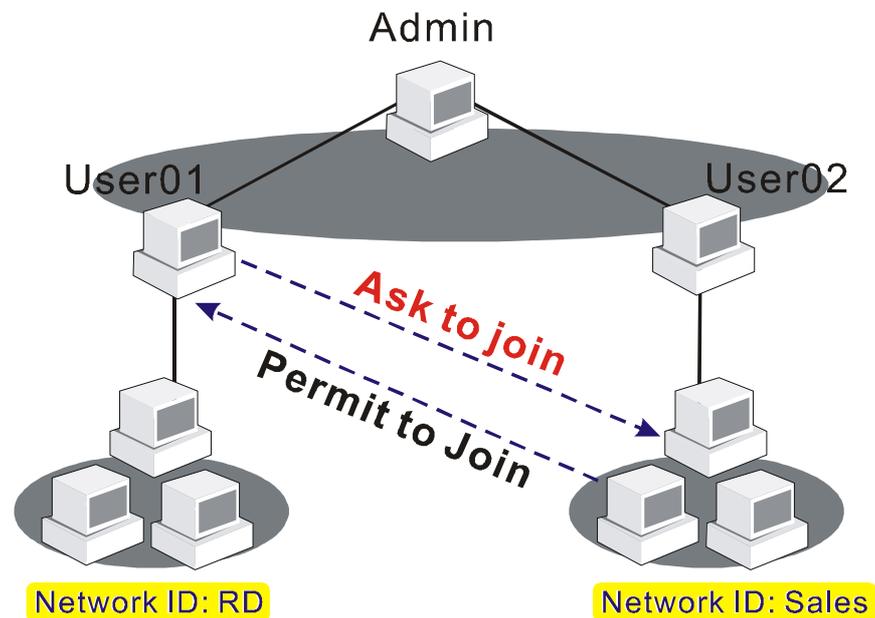
Display the owner of current network.

- Active** Display the status of the network. **Y** means active; **No** means inactive.
- Leave Network** Click this button to let the applicant who asked to join to the network of current user leave current network.
- Join** Click this button to request to join a network of another user.
- Manage** Click this button to remove the network permission of certain network for certain user.

Joining to Other Active Network

Please note that only *active* network is allowed to be joined. If the network is inactive, it is not allowed another use to ask for joining.

For some reasons, a user may want to join to another network of other users. VigorView provides the functions of **Join** and **Network Permission** to reach such goal. Please refer to the following example for overall understanding.



User01 (with network ID: RD) asked to join to the network (ID: Sales) of User02. User02 will permit it to join through Network Permission page. Please do the following:

1. Login VigorView with user name - User01 and open **Network List**.

Network List (Active Networks)

[All Networks](#) [Active Networks](#) [Inactive Networks](#) [Help](#)

Network ID	Description	Owner	Active	Modified By	Modified Date
PUBLIC	Public Network	PUBLIC	Y	USER02	20051122,09:21:29
RD	RD 1 and 2 DEPARTMENT	USER01	Y	USER01	20051122,09:48:51

Add
Join

- Click **Join** to get into **Network Permission** page.

Network Permissions (USER01)

All Networks Approved Networks Unapproved Networks Help

Users

Approved Networks

Network	Approved	Network Owner	Active	Leave Network
RD	Y	USER01	Y	Leave

[Join](#) [Manage](#)

- Click **Join** again. From the **Network** drop down menu, please choose the network description that you want to join. In this case, please select **Sales and Marketing Department**. Then click **Join**.

Join Network

User ID	USER01
Network	<input type="text" value="Select Network"/>

[Join](#) [Cancel](#)

Join Network

User ID	USER01
Network	<input type="text" value="Select Network"/> <ul style="list-style-type: none"> Select Network RD 1 and 2 DEPARTMENT <li style="background-color: #007bff; color: white;">Sales and Marketing Department

- Now log out User01 and log in User02 (or simply open another VigorView screen and log in with the user name of User02).
- In the main page of VigorView for User02, one line of notifying message with red color will appear to inform you the request coming from other user. Please click the number (e.g., 1) to access into **Network Management (Network Owners)**.

VigorView Ver 1.0

There is 1 new request to join your networks.

Quick Start

Step 1: [Add new user login account \(more info\)](#)

Step 2: [Add new network to group your devices \(more info\)](#)

Step 3: [Add new device type for different devices \(more info\)](#)

Step 4: [Add new device \(router\) information \(more info\)](#)

Step 5: Connect to device (router) and [view router status](#) from status page

Step 6: Device operation: You can now perform operations on the router (firmware upgrade, backup, etc.)

- In this page, you can see the User1 with network name Sales is waiting for the permission from this user (User02).

Network Management (Network Owners)

All Permissions Approved Permissions Unapproved Permissions Help

Networks

All Permissions

User	Network	Approved	Remove User
USER01	SALES	N	Remove
USER02	SALES	Y	Remove

[<< Back to Network Permissions](#)

- Click the link of USER01 to open the **Join Network** page.

Join Network

User ID	USER01
Network	Sales and Marketing Department
Approved	<input type="checkbox"/>
<input type="button" value="Modify"/> <input type="button" value="Cancel"/>	

- In this page, check the box of **Approved** and click the **Modify** button.
- Now log out User012 and log in User01 (or simply open another VigorView screen and log in with the user name of User01).
- In the **Network List** page, the network with ID – Sales is included in User01.

Network List (Active Networks)

[All Networks](#)
[Active Networks](#)
[Inactive Networks](#)
[Help](#)

Network ID	Description	Owner	Active	Modified By	Modified Date
PUBLIC	Public Network	PUBLIC	Y	USER02	20051122,09:21:29
RD	RD 1 and 2 DEPARTMENT	USER01	Y	USER01	20051122,09:48:51
SALES	Sales and Marketing Department	USER02	Y	USER02	20051122,09:55:04

Managing Networks

The network owners (e.g., User01, User02 in the above sample) can manage their networks of approving or removing the network permissions. Go to **System** and choose **Network Permission**.

VigorView
VIGOROUS BROADBAND ACCESS

DrayTek
www.draytek.com

Main System Operation Status Log Out 3 users (USER02)

Network Permissions (USER01)

[All Networks](#)
[Approved Networks](#)
[Unapproved Networks](#)
[Help](#)

Users:

All Networks

Network	Approved	Network Owner	Active	Leave Network
RD	Y	USER01	Y	Leave
SALES	Y	USER02	Y	Leave

All Networks Click this link to list all the approved and unapproved networks for current network in this page.

Approved Networks Click this link to list all the approved networks.

Unapproved Networks Click this link to list all the unapproved networks.

Click **Manage** to open the following page:



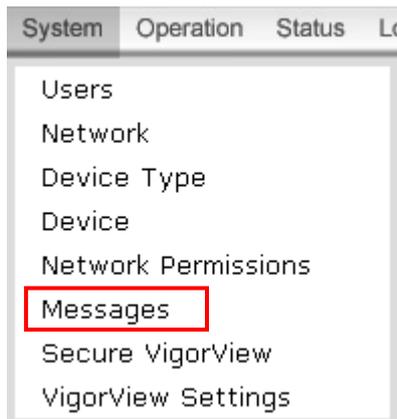
- All Permissions** Click this link to list all the approved and unapproved permissions for current network in this page.
- Approved Permissions** Click this link to list all the approved permissions.
- Unapproved Permissions** Click this link to list all the unapproved permissions.
- Remove** Click this link to remove current permission.

From this page you can clearly view all the permissions for other users. In this case, USER01 is the one who asks to join to the network (SALES) of USER02. As to USER02, it has the right to remove the permission of USER01 only if **Remove** is executed on this page.

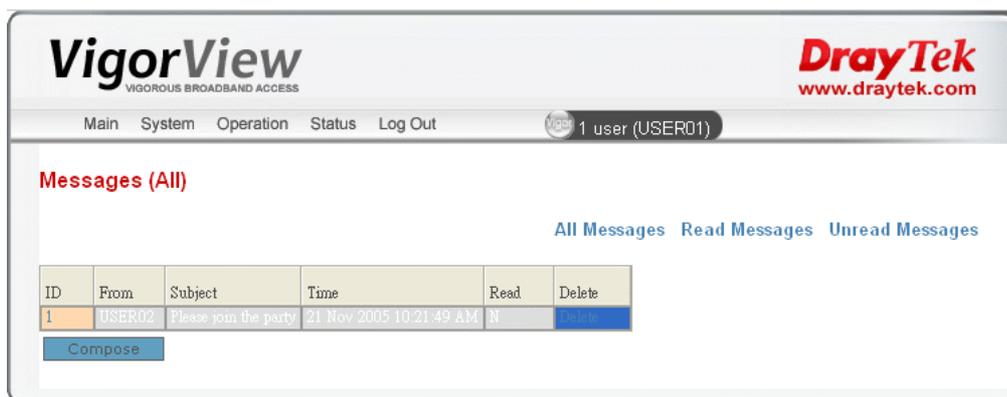
1.8 Messages Settings

VigorView provides a function of message sending among different users. Users can receive any messages with ease from other ones in VigorView, meanwhile they can send their replies to the senders right away.

From the **System** menu, choose **Message Settings**.



The **Message (All)** page appears as follows:



All Messages

Display all the read and unread messages.

Read Messages

Display all the messages that have been read.

Unread Messages

Display all the messages that have not been read.

ID

List the number of the message that this user received.

From

Display the resource of this message.

Subject

Display the subject of this message.

Time

Display the time of this message received.

Read

N means the message has not been read, **Y** means the message has been read. After reading the message, you have to reselect the **System>>Message** again to refresh the message page.

Delete

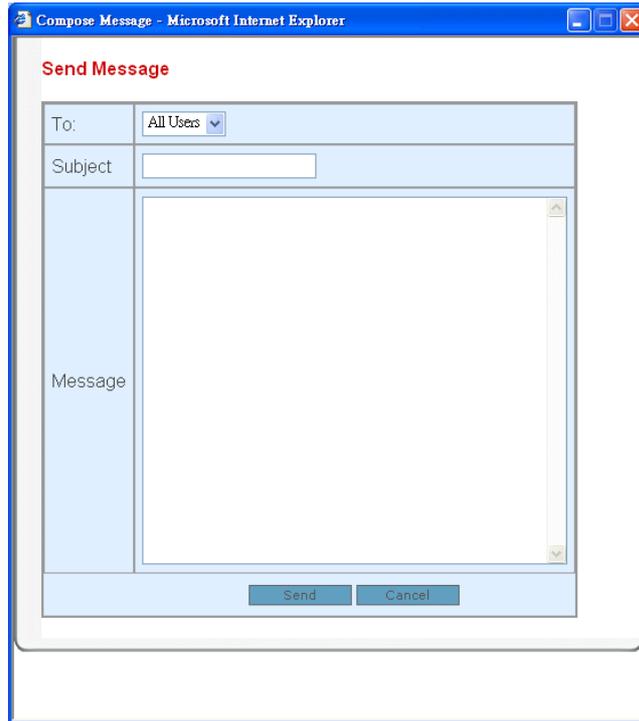
Click this button to delete this message.

Compose

Click **Compose** to open the dialog box of **Send Message**.

Below shows the steps of sending message from one user to the other user.

1. Log into VigorView with USER02 (we take USER02 as an example).
2. After clicking **Compose**, you will access into the following dialog.



To From the drop down menu, please choose the receiver that you want to send message to. In this case, choose USER01.



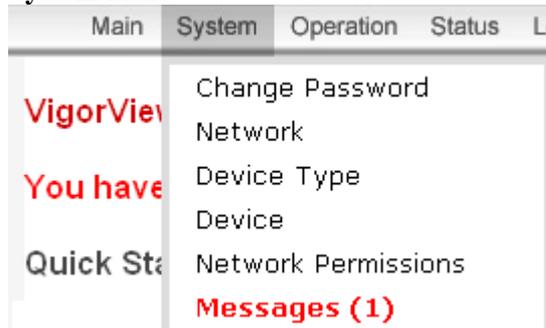
Subject Type in the subject of this message.

Message Type in the content that you want to send to the receiver.

Send Click this button to send the message to the one that you assigned.

Cancel Click this button to give up the operation and exit this dialog.

3. Click Send. Now, VigorView will send a message from USER02 to USER01.
4. Logout USER02 and login USER01.
5. VigorView will display the number of the messages that USER01 received on the **System** menu.



6. Click **Messages(1)**, you will see the following message (came from another user).

VigorView
VIGOROUS BROADBAND ACCESS

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Main System Operation Status Log Out 1 user (USER01)

Messages (All)

[All Messages](#) [Read Messages](#) [Unread Messages](#)

ID	From	Subject	Time	Read	Delete
1	USER02	Please join the party	21 Nov 2005 10:21:49 AM	N	Delete

[Compose](#)

7. Click ID number (e.g., 1) to open the message box.

Send Message

From	USER02
Time	21 Nov 2005 10:21:49 AM
Subject	Please join the party
Message	Date: 2005/12/25 Christmas party will be held in our company, please...

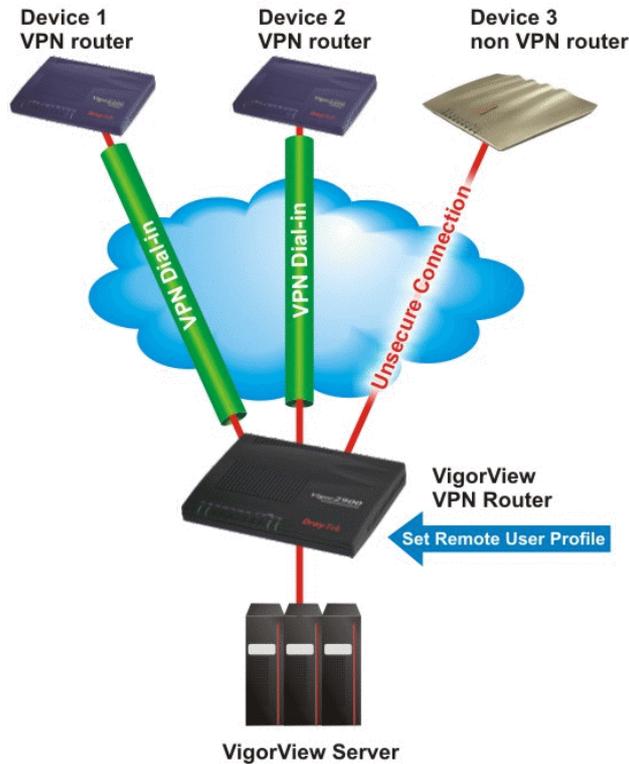
[Reply](#) [Cancel](#)

8. You can click **Reply** to open the Send Message screen (that is based on the content of this message) for sending your reply. And exit this screen.
9. When you finish reading, you can click **Delete** on the Message (All) page to erase this message.

1.9 Secure VigorView Settings

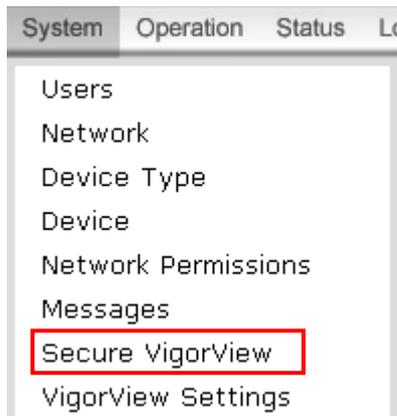
This function allows users to access and transfer data to and from devices securely.

Secure VigorView



On the above graphic, the data transmission between VigorView VPN router and Device 1/Device 2 will be protected through VPN tunnel. Yet, there is no VPN connection between Device 3 and VPN Router. Therefore the data input and output between these two routers cannot be secure for the data cannot be encrypted.

To let VigorView management be secure, please choose **Secure VigorView** from the **System** menu.



The **Secure VigorView** page appears as follows:

The **Gateway IP** is the IP of the router that is directly connected to the VigorView server.

Gateway LAN IP

Type in the gateway IP of the VigorView server. To establish VPN connections, other routers must dial-in to this gateway router.

Gateway WAN IP

Click **Default** to acquire the default gateway WAN IP address of the server that VigorView installed.

Remote User Name

Type the name of the remote device. It is required by the gateway router to allow other routers to dial-in under this name, and is authenticated by the **Password**.

Password

Click **Default** to acquire the default password.

Confirm Password

Type in the new password again.

Pre-Shared Key

Pre-shared Key is used to encrypt the data before it is sent. Click **Default** to acquire the default key.

Confirm Key

Type in the pre-shared key that you enter above.

Dial-In Type

Select one of the allowed dial-in connection type from the drop down menu.

Apply

Click this button to save the settings.

Detect

Click this button to detect current VPN configuration.

Call Log

Click this button to view the call log information. If you find something error happened after configuring the security settings, you can use this button to find out the possible reason. The data shown here is just as the results by using telnet command (log - c) in telnet command.

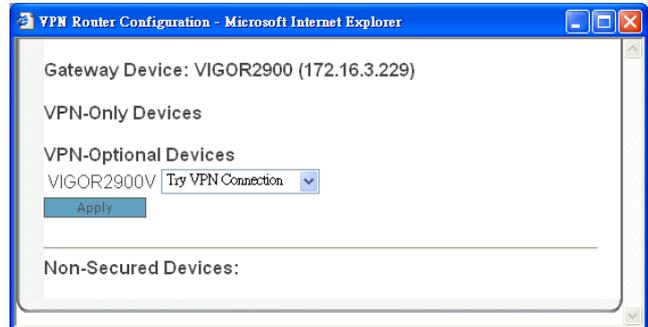
WAN Log

Click this button to view the WAN log information. If you find something error happened after configuring

the security settings, you can use this button to find out the possible reason. The data shown here is just as the results by using telnet command (log - w) in telnet command.

VPN Router

Allows you to enable secure connection between devices.

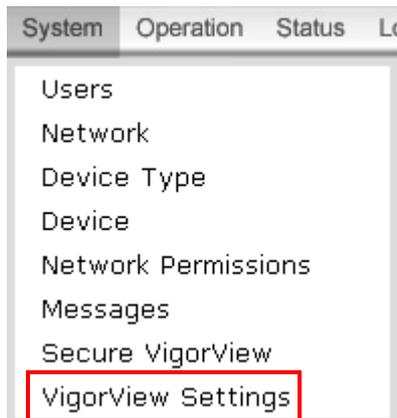


Click **Apply**.

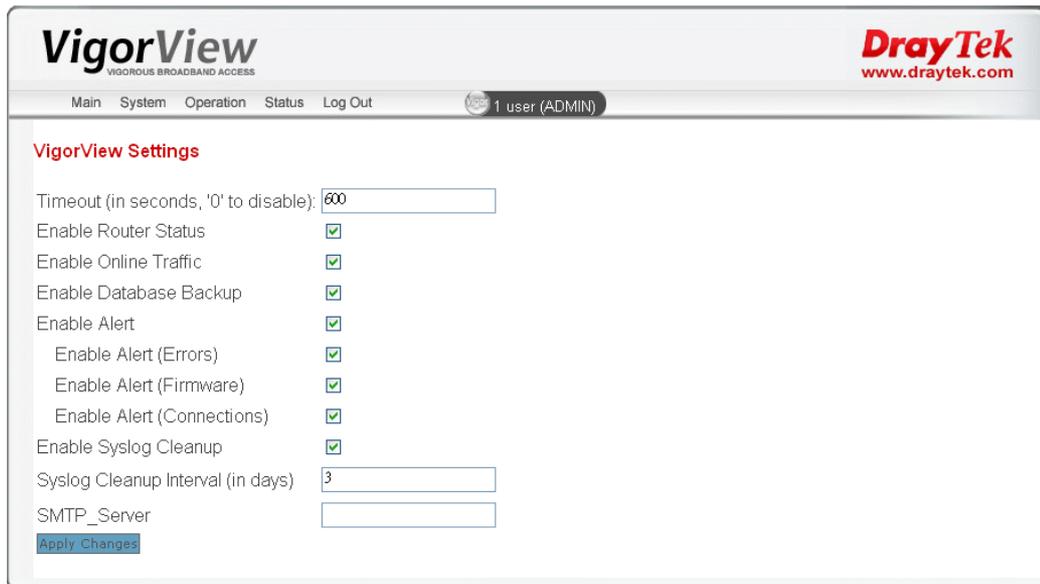
1.10 VigorView Settings

Note: Only **Administrator** can access into this page. It is not allowed for normal users and guests to change VigorView settings.

From the **System** menu, choose **VigorView Settings**.



When the **VigorView** page appears, see the following explanation. Please type and check the necessary settings for your router.



Timeout

Enter the timeout for VigorView. The default setting is 600 seconds. If the value is 0, VigorView will be open forever.

Enable Router Status

The router(s) status controlled by VigorView will be refreshed for every minute. Check the box to enable this function. If not, VigorView will not refresh the router status at certain time.

Enable Online Traffic

Check this box to make the traffic for all the routers controlled by VigorView refreshed for every minute.

Enable Database Backup

Check this box to update the database of VigorView everyday. The backup file will be stored in your hard disk (C:\VigorView\db\backup).

Enable Alert

Check this box to enable the alert function for errors, firmware and connection.

Enable Alert (Errors)

Check this box to let VigorView inform the error to users by sending e-mails and display on VigorView log page.

Enable Alert (Firmware)

Check this box to let VigorView inform firmware problem to users by sending e-mails and display on VigorView log page.

Enable Alert (Connections)

Check this box to let VigorView inform connection error to users by sending e-mails and display on VigorView log page.

Enable Syslog Cleanup

Check this box to delete the recorded data (in router's syslog) of three days before.

Syslog Cleanup Interval

Type in the interval (the unit is day, the default setting is 3 days) for the syslog cleanup.

SMTP_Server

Type in the SMTP server IP address.

Apply Changes

Click this button to apply the changes you set here.

2

Operations with VigorView

When you build all the network groups for the routers with different user names, you can start to manage the router at any time. This chapter will guide you how can you manage the routers with different purposes.

2.1 Firmware Upgrade

In general, if you have two or more routers on a network, you have to do firmware upgrade one by one. It really wastes your time and sometimes some of the routers might be ignored for the task. With VigorView, it is not a big job and easy to finish.

Note: Remember to enable the option of **Management Setup > Enable remote firmware upgrade (FTP)** on all your devices (such as routers) before performing upgrading job.

Simply go to **Operation** and choose **Firmware Upgrade**. The following screen will be shown:

VigorView
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Main System Operation Status Log Out 1 user (ADMIN)

Firmware Upgrade (Active Devices)

All devices Active devices Inactive devices Help

Network All Networks

Firmware Select a File

Device ID	Model Name	Firmware Version	Firmware Date/Time	Router LAN IP	Revision	Last Update Date/Time
<input type="checkbox"/> VIGOR2900	Vigor2900 series	v2.5.5 English	Tue Mar 8 15:8:18.50 2005	192.168.1.1		20051118,09:58:13

Time: Now At 9 : 59

Date: Today At every Sun Mon Tue Wed Thu Fri Sat

Upload New Firmware

*NOTE 1: The "Management Setup > Enable remote firmware upgrade(FTP)" option on the device(s) needs to be enabled before upgrading

*NOTE 2: The firmware must be .all files

Firmware

Use the drop down list to choose a proper file for the firmware upgrade. If you cannot find a proper one (or you have none of the firmware), please use the **Upload** button below to obtain a new firmware.

Network

Choose the network group that you want to apply the firmware upgrade to.

Device ID

It shows all the device IDs. Please check to select the device(s) that you want to make the update.

Time

Click the radio button **Now** to let the system execute upgrading job immediately. Click the radio button **At** and

assign specific time to let the system execute upgrading job at the specific time.

Date

If you click the radio button **At**, you have to assign the detailed period. Clicking **Today** means the update will be done at the specified time of this day. Clicking **At** (below) and checking any one of the boxes (from Sunday to Saturday) means the update will be done at that day.

Upgrade Sel

Click this button to execute the firmware update on the selected devices listed above.

Upgrade All

Click this button to execute the firmware update for all the devices listed above.

Upload New Firmware

Click **Browse...** to find out the newly update firmware (with the file extension .all) from your hard disk. And then click **Upload**.

To do the firmware upgrade, please do the following:

1. Choose a proper firmware from the **Firmware** drop down list.
2. Choose the network group from the **Network** option.
3. Check to select the devices that you want to do firmware upgrade at one time.
4. Click **Upgrade Sel** to upgrade the firmware for the selected devices or click **Upgrade All** to upgrade the firmware for all the devices under the network group.

2.2 Backup Configuration

Backup current configuration for using in the future can be done in this page. It allows you to backup configuration for selected device or for all the devices under certain network(s). With VigorView, it is not necessary for you to do the backup job for routers one by one.

Note: Remember to enable the option of **Management Setup > Enable remote firmware upgrade (FTP)** on all your devices (such as routers) before performing backup configuration job.

VigorView
VIGOROUS BROADBAND ACCESS

DrayTek
www.draytek.com

Main System Operation Status Log Out user (ADMIN)

Configuration Backup (Active Devices)

All devices Active devices Inactive devices Help

Network All Networks

Device ID	Model Name	Firmware Version	Firmware Date/Time	Router LAN IP	Revision	Last Update Date/Time
<input type="checkbox"/> VIGOR2900	Vigor2900 series	v2.5.5 English	Tue Mar 8 15:8:18.50 2005	192.168.1.1		20051118,09:52:11

Time: Now At 9 : 52

Date: Today At every : Sun Mon Tue Wed Thu Fri Sat

*NOTE: The "Management Setup > Enable remote firmware upgrade(FTP)" option on the device(s) needs to be enabled before upgrading

All devices

Click this link to list all the active and inactive devices for current network in this page.

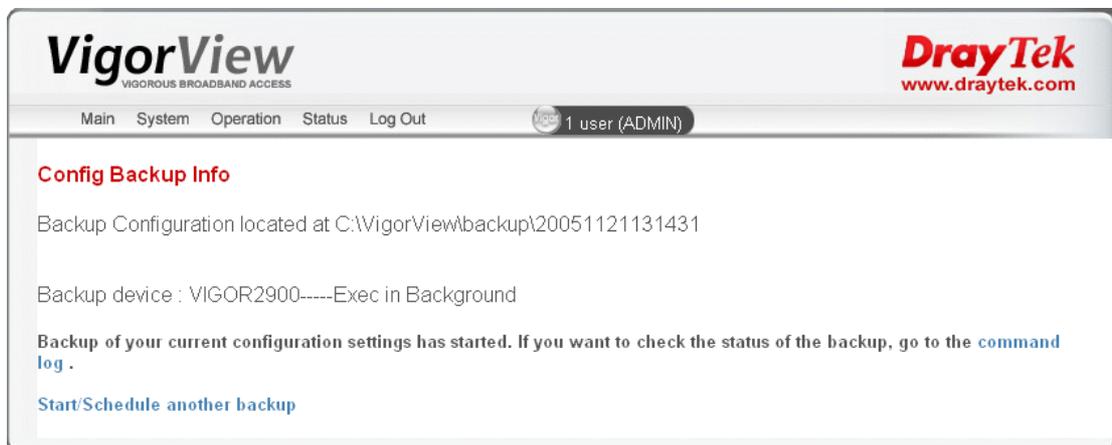
Active devices

Click this link to list all the active devices.

Inactive devices	Click this link to list all the inactive devices.
Help	Click this link to display online help for current page.
Network	Choose the network group that you want to apply the backup configuration to.
Time	Click the radio button Now to let the system execute upgrading job immediately. Click the radio button At and assign specific time to let the system execute upgrading job at the specific time.
Date	If you click the radio button At , you have to assign the detailed period. Clicking Today means the update will be done at the specified time of this day. Clicking At (below) and checking any one of the boxes (from Sunday to Saturday) means the update will be done at that day.
Backup Sel	Click this button to execute the backup configuration on the selected devices listed above.
Backup All	Click this button to execute the backup configuration for all the devices listed above.

To do the backup, please do the following:

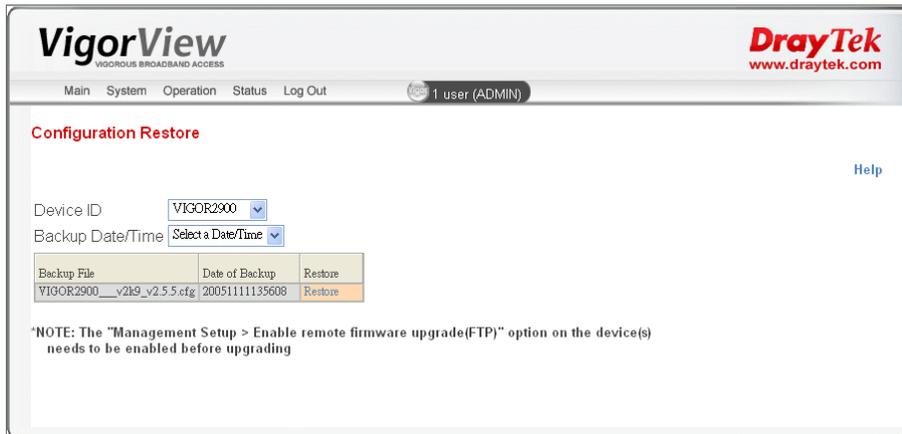
1. Choose the network group from the **Network** option.
2. Check to select the devices that you want to do backup configuration at one time.
3. Decide the execution time of the backup configuration.
4. Click **Backup Sel** to save the configuration for the selected devices or click **Backup All** to save the configuration for all the devices under the network group.



The backup file will be placed on C:\VigorView\backup\xxxxxxxxx.

2.3 Restore Configuration

Note: Remember to enable the option of **Management Setup > Enable remote management** on all your devices (such as routers) before performing restoring configuration.



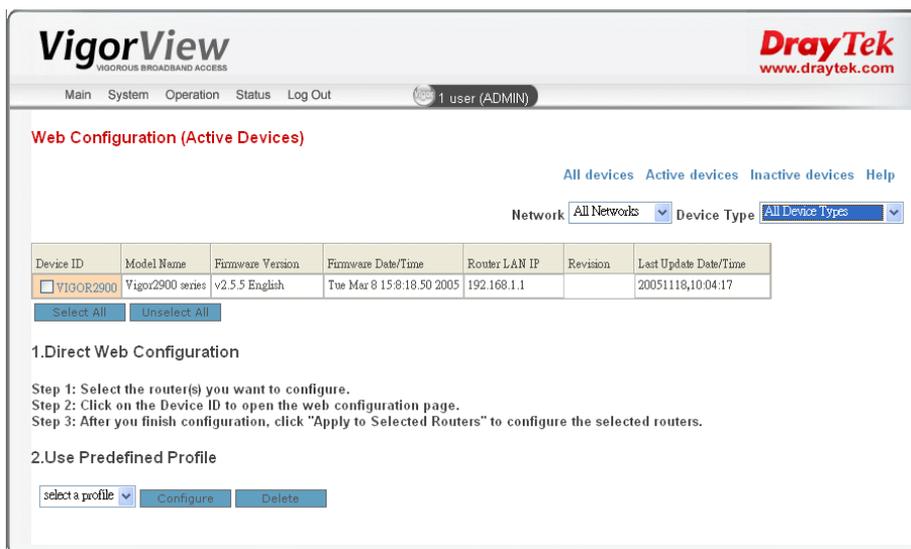
- Device ID** Displays the device IDs for you to choose.
- Backup Date/Time** Displays the backup date for you to choose.
- Backup File** Displays the filename the saved previously.
- Date of Backup** Displays the time that the file saved.
- Restore** A link for you to restore the existed configuration file.

To do the restoration, please do the following:

1. Choose the devices(s) from the **Device ID** option.
2. Choose the backup date/time from the Backup Date/Time. When you backup the configuration, the settings will be saved with a filename assigned by VigorView. The backup date/time will be more than one. Therefore you have to assign the date/time that you want.
3. All the backup files will be displayed on the screen. Click to choose the one you want and click **Restore** on the right side.

2.4 Web Configuration

VigorView allows you to adopt web configuration of certain device to other routers.

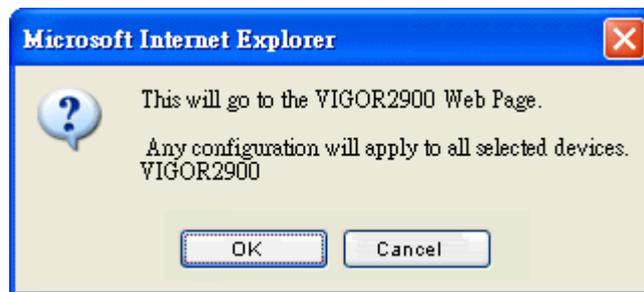


- All devices** Click this link to list all the active and inactive devices for current network in this page.
- Active devices** Click this link to list all the active devices.

Inactive devices	Click this link to list all the inactive devices.
Help	Click this link to display online help for current page.
Network	Choose the network group that you want to apply the configuration to.
Device Type	Choose the device type that you want to apply the configuration to.
Device ID	Displays the device(s) under current Network.
Selected All	Click this button to select all the devices listed above.
Unselect All	Click this button to cancel the selection of all the devices above.

To do the web configuration and apply to all the devices, please do the following:

1. Check the box(es) of the device(s) from the **Device ID** option that you want to configure.
2. Click the device ID link that you want to open the web configuration page (for applying to other router) from **Device ID** option. The following dialog will appear to ask your confirmation. Click **OK** to open the web page of selected device.



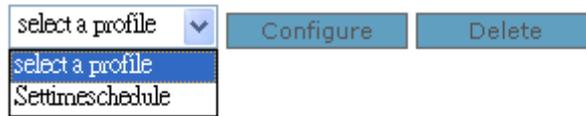
3. The corresponding web page of that device will be popped up with another window automatically.
4. Only the commands(links) which can be applied to all the routers are available.
5. After you finish configuration, click **OK to All** on the bottom of the configurable web page for applying to all the selected routers.
6. Then the following page will appear.



7. Type in the description for this operation and click **Save**.

8. Return to VigorView web page and re-select **Web Configuration** from Operation menu for refreshing the web page.
9. Now, you will see the new profile that you saved before displaying on the Use Predefined Profile drop down menu.

2. Use Predefined Profile

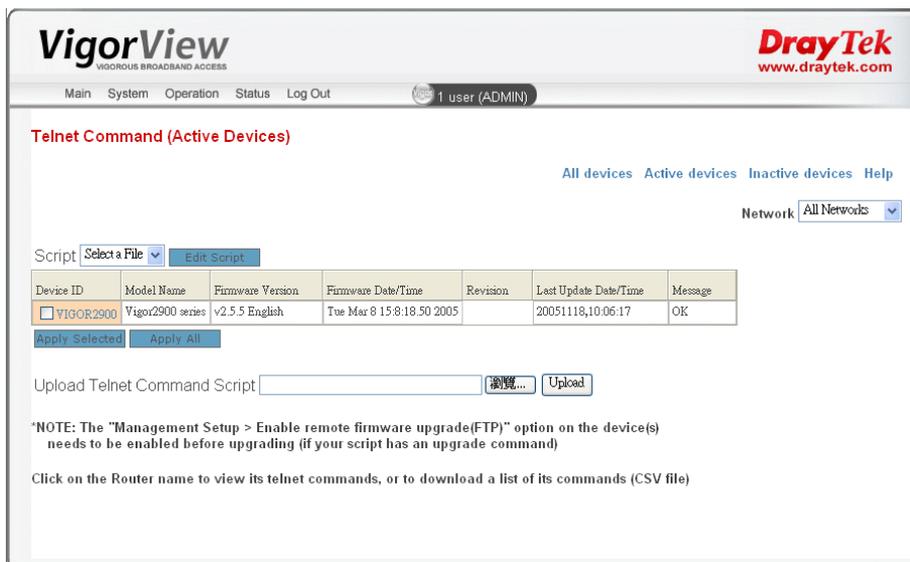


Except the direct way of web configuration, VigorView allows you to use predefined profile. Simply select a profile from the drop down list, and then click **Configure**.

2.5 Telnet Commands

Some status or configuration cannot be done or finished on the web pages of the router (device). For this reason, Telnet commands are very useful for users. VigorView provides Telnet commands for the users to configure their routers(devices).

Note: Remember to enable the option of **Management Setup > Enable remote management** on all your devices (such as routers) before performing telnet command operation.



All devices

Click this link to list all the active and inactive devices for current network in this page.

Active devices

Click this link to list all the active devices.

Inactive devices

Click this link to list all the inactive devices.

Help

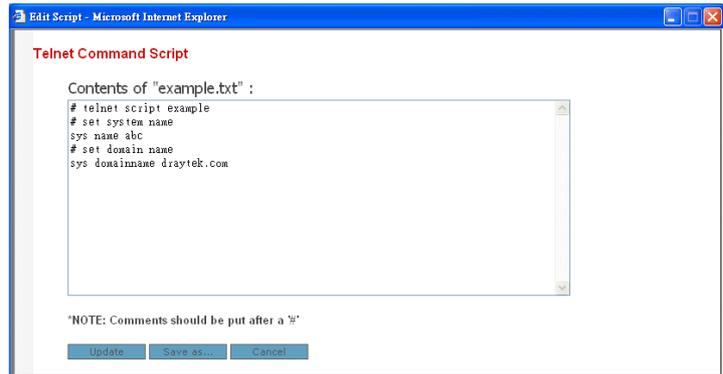
Click this link to display online help for current page.

Network

Choose the network group that you want to apply the command.

Script

Use the drop down menu to choose one of the script file for applying into the devices selected on this page. To edit the selected script file, simply click Edit Script to open the content of the script file.



Click **Update** to update script file. Or click **Save As...** to save the script file with another name. Or click **Cancel** to exit this dialog with doing any change.

Device ID

Displays the device(s) under current Network.

Apply Selected

Click this button to apply the command to all the selected devices.

Apply All

Click this button to apply the command to all the devices.

Upload Telnet Command Script

Allows you to upload telnet command script from other location.

Browse...

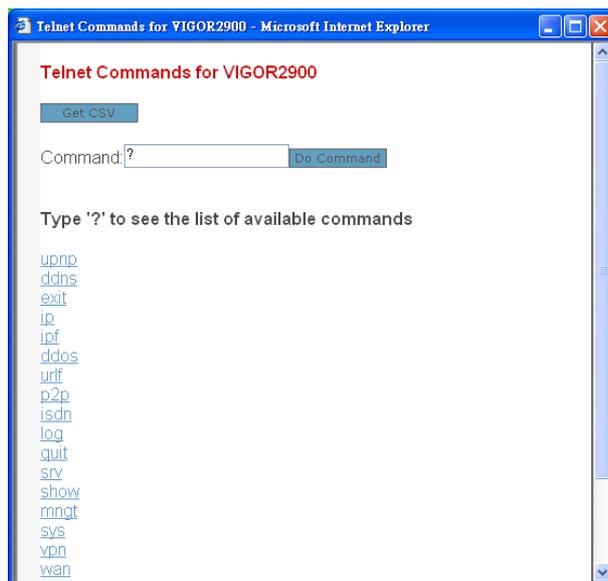
Click this button to find out the file that you want.

Upload

Click this button to upload the file to this page for applying to the device(s).

Viewing/Doing Telnet Command for certain router

To view the telnet command of certain router, you can click on the router name link to open the telnet commands screen, or to download a list of its commands (CSV file, it can be opened by Microsoft Excel or other database applications)

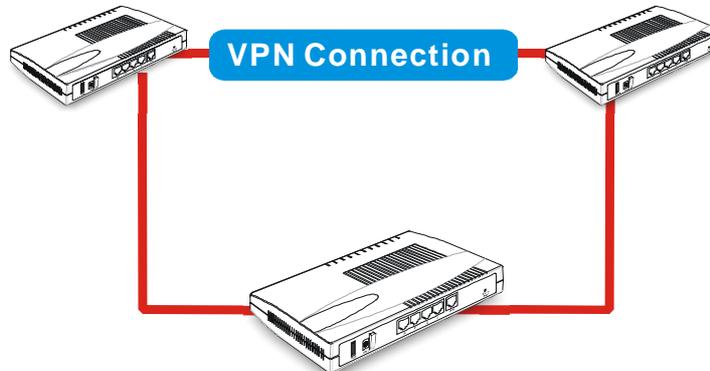


To execute one Telnet command on this dialog, simply click on the link of the command that you want. If sublinks are displayed, please click any one of the sublink again to finish the

whole operation. Yet, sometimes you will need to type in sub-command on the Command box and click **Do Command** because some of the commands need additional arguments.

2.6 VPN Connections

It is a convenient way to set the VPN connection between two routers. For using this function, you need 2 routers that support VPN function at least.



**VigorView
VPN Router**

With VPN connection configured in VigorView, a user can use simple configuration to set necessary settings between two routers instead of configuring complicated settings (through many web pages on both routers) for both routers respectively.

For adding new devices, please refer to **1.6 Device Setting**. The following page shows that there are two devices added from VigorView.

The screenshot shows the VigorView web interface. The header includes the VigorView logo, the tagline 'VIGOROUS BROADBAND ACCESS', and the DrayTek logo with the website 'www.draytek.com'. The navigation menu includes 'Main', 'System', 'Operation', 'Status', and 'Log Out'. The user is identified as '1 user (ADMIN)'. The main content area is titled 'Router Status (Active Devices)' and includes links for 'All devices', 'Active devices', 'Inactive devices', and 'Help'. A 'Network' dropdown menu is set to 'All Networks'. A note states: 'Note: To connect the device, please enable the setting "Management Setup>Allow management from the Internet"'. Below this is a table with the following data:

Device ID	Model Name	Firmware Version	MAC Address	Last Update Date/Time	Message	VPN IP
VIGOR2900	Vigor2900 series	v2.5.6 English	00-50-7F-24-16-7C	20051121,15:39:44	OK	(none)
VIGOR2900V	Vigor2900 series	v2.5.4 English	00-50-7F-26-71-3D	20051121,15:39:44	OK	(none)

A note below the table states: 'Note: This page refreshes automatically every minute'.

Point to **Operation** menu and select **VPN Connection**. You will see the following screen.

VigorView
VIGOROUS BROADBAND ACCESS

DrayTek
www.draytek.com

Main System Operation Status Log Out 1 user (ADMIN)

VPN Connections [Help](#)

Profile Name: test01

Device 1: VIGOR2900
192.168.5.1
172.16.3.245

Dial Direction: -----> LAN IP WAN IP

Device 2: VIGOR2900V
192.168.1.1
172.16.3.229

Existing Profiles:

User Name: test01
Password: ●●●●●●
Confirm Password: ●●●●●●
Pre-Shared Key: ●●●●●●
Confirm Key: ●●●●●●
Dial-In Type: L2TP with IPSec Policy (Must)

Save/Connect Save Profile Connect View VPN Load Delete

- Profile Name** Type a name for the profile that you want to create.
- Device 1** Use the drop down list to choose one of the devices as Device 1.
- Dial Direction** Specify the direction (from Device 1 to Device 2 or from Device 2 to Device 1) for dial.
- Device 2** Use the drop down list to choose one of the devices as Device 2.
- LAN IP** The LAN IP addresses for the Device 1 and 2 will be displayed automatically. If not, please type them by manually.
- WAN IP** The WAN IP addresses for the Device 1 and 2 will be displayed automatically. If not, please type them by manually.
- User Name** Type in user name that you prefer to use for this VPN connection.
- Password** Type in the password that you prefer to use for used in this VPN connection.
- Confirm Password** Retype the password.
- Pre-Shared Key** Type in pre-shared key that you prefer to use.
- Confirm Key** Retype the key.
- Dail-In Type** It is not necessary for you to choose for it is offered for future use.
- Save/Connect** Click this button to save and execute VPN connection at one time. If you click such button, the dialog below will

appear for asking your confirmation.



Save Profile

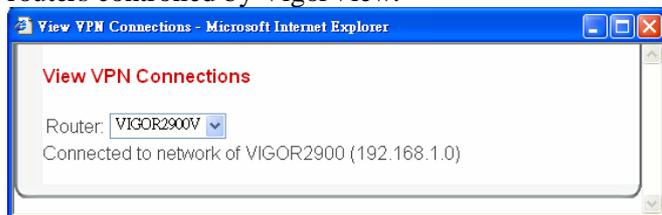
Click this button to save current created VPN connection settings but not execute the VPN connection.

Connect

Click this button to execute VPN connection between the two devices.

View VPN

It allows you to view the VPN connection for all the routers controlled by VigorView.



Load

Click this button to load the existing VPN profile that is selected.

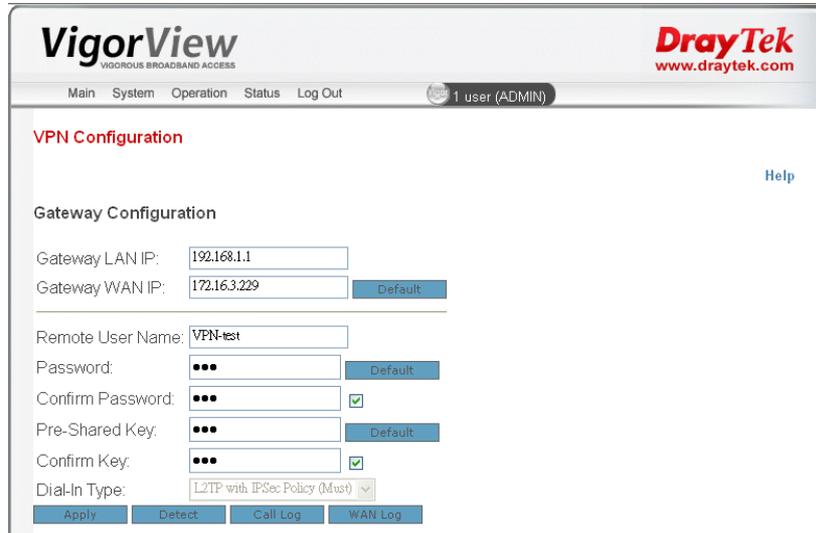
Delete

This button allows you to delete the existing VPN profile that is selected.

Application

This section offers you an example of applying VPN function between two routers. Please follow the steps below:

1. Go to **System** menu and select **Secure VigorView** to adjust the basic settings of VPN.



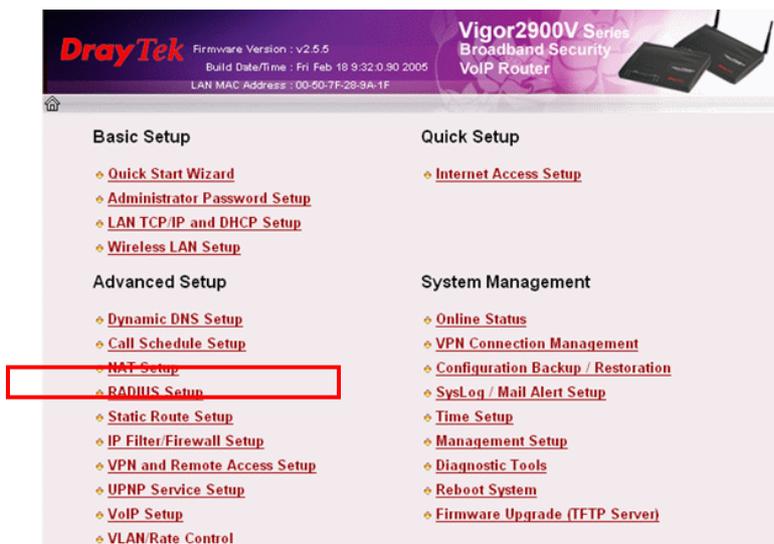
2. Type in Gateway LAN IP and Gateway WAN IP addresses correctly.

As to the remote user name, password and pre-shared key, please set them with any values if you like. Then click **Apply**.

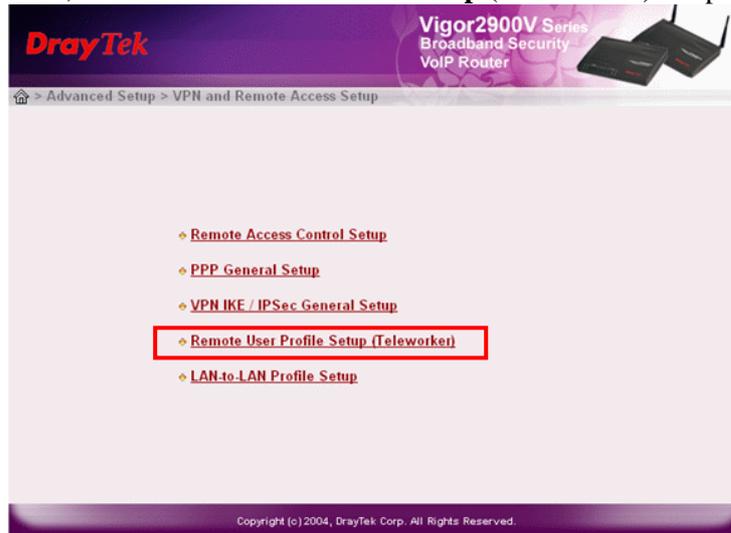
If you want to make sure if the connection is OK or not,

For local router -

please access into the web page of your gateway router (**192.168.1.1**) to check **VPN and Remote Access Setup**.



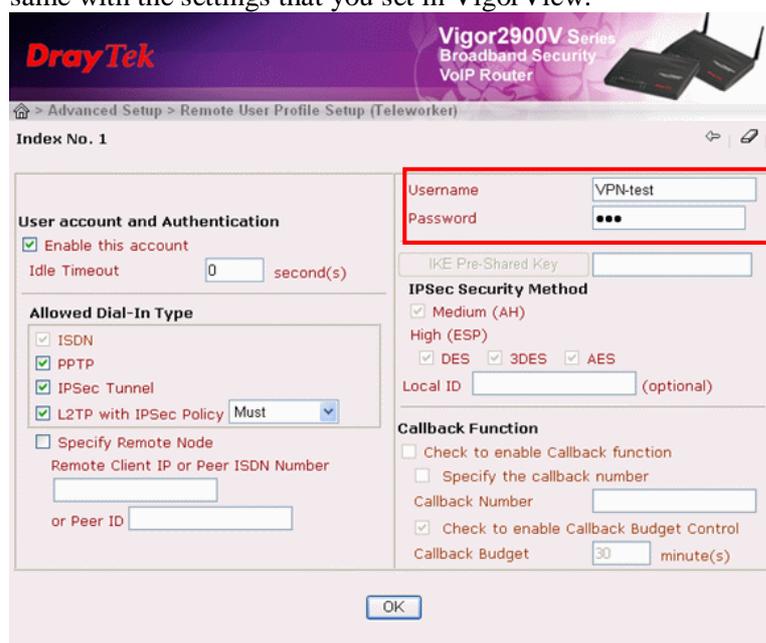
Next, click **Remote User Profile Setup (Teleworker)** to open another page.



In the following page, you can see the account with the user name of VPN-test that set in step 1. Click index no. 1 to see the detailed information.



Next, you can see the following page. Notice that the username and password are the same with the settings that you set in VigorView.



DrayTek Vigor2900V Series Broadband Security VoIP Router

Advanced Setup > Remote User Profile Setup (Teleworker)

Index No. 1

User account and Authentication

Enable this account

Idle Timeout second(s)

Allowed Dial-In Type

ISDN

PPTP

IPsec Tunnel

L2TP with IPsec Policy

Specify Remote Node

Remote Client IP or Peer ISDN Number

or Peer ID

IPsec Security Method

Medium (AH)

High (ESP)

DES 3DES AES

Local ID (optional)

Callback Function

Check to enable Callback function

Specify the callback number

Callback Number

Check to enable Callback Budget Control

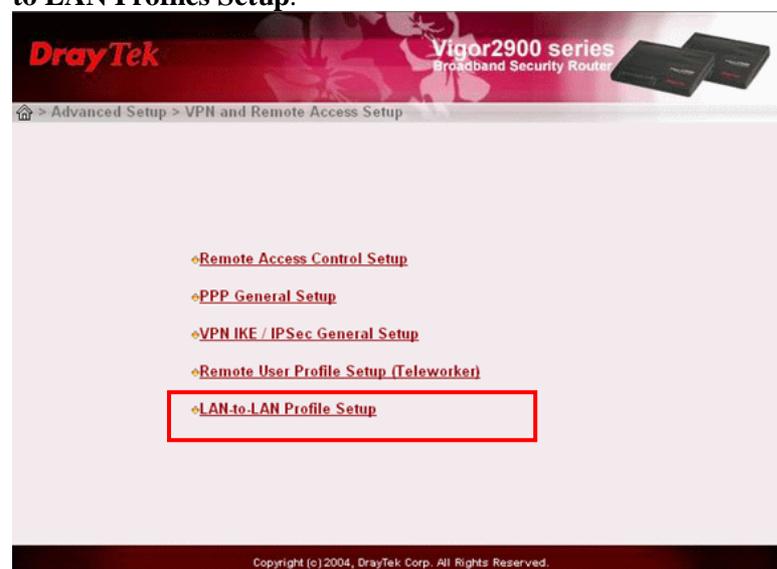
Callback Budget minute(s)

OK

When you finished viewing the router's web page, please access into the administrating web page of VigorView.

For remote router -

Please access into the web page of your remote router (e.g. 172.16.3.245) to check LAN to LAN Profiles Setup.



DrayTek Vigor2900 series Broadband Security Router

Advanced Setup > VPN and Remote Access Setup

- Remote Access Control Setup
- PPP General Setup
- VPN IKE / IPsec General Setup
- Remote User Profile Setup (Teleworker)
- LAN-to-LAN Profile Setup**

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In the following page, you can see the account with the user name of VPN-test that set in step 1. Click index no. 1 to see the detailed information.

DrayTek Vigor2900 series Broadband Security Router

Advanced Setup > LAN-to-LAN Profile Setup

LAN-to-LAN Profiles:

Index	Name	Status	Index	Name	Status
1.	VPN-test	v	9.	???	x
2.	???	x	10.	???	x
3.	???	x	11.	???	x
4.	???	x	12.	???	x
5.	???	x	13.	???	x
6.	???	x	14.	???	x
7.	???	x	15.	???	x
8.	???	x	16.	???	x

<< 1-16 | 17-32 >>

Status: v --- Active, x --- Inactive

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Next, you can see the following page. Notice that the username and password are the same with the settings that you set in VigorView.

DrayTek Vigor2900 series Broadband Security Router

Advanced Setup > LAN-to-LAN Profile Setup

Profile Index : 1

1. Common Settings

Profile Name: VPN-test

Enable this profile

Call Direction: Both Dial-Out Dial-In

Always on

Idle Timeout: -1 second(s)

Enable PING to keep alive

PING to the IP: []

2. Dial-Out Settings

Type of Server I am calling:

- ISDN
- PPTP
- IPsec Tunnel
- L2TP with IPsec Policy: Must

Server IP/Host Name for VPN. (such as draytek.com or 123.45.67.89)

172.16.3.229

Link Type: 64k bps

Username: VPN-test

Password: []

PPP Authentication: PAP/CHAP

VJ Compression: On Off

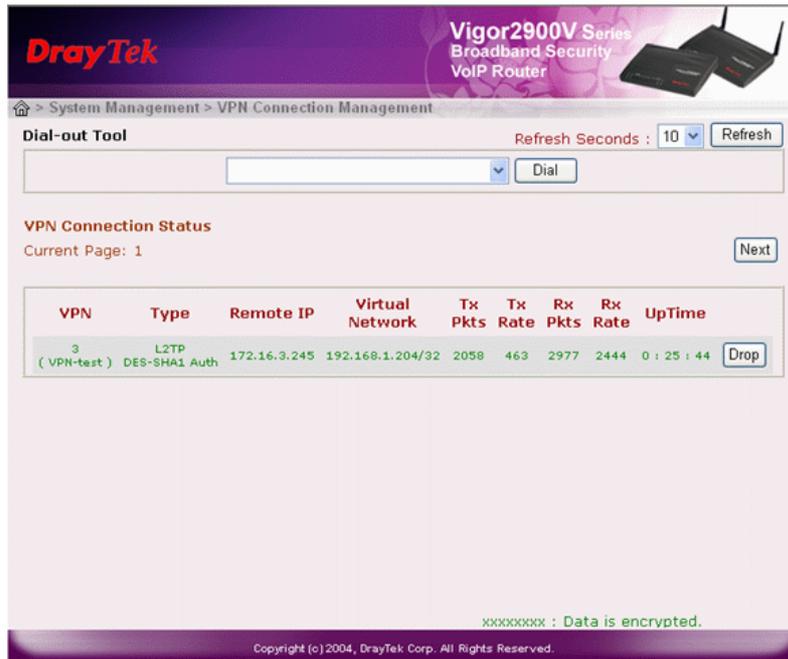
IKE Pre-Shared Key: []

IPsec Security Method:

- Medium(AH)
- High(ESP) DES with Authentication

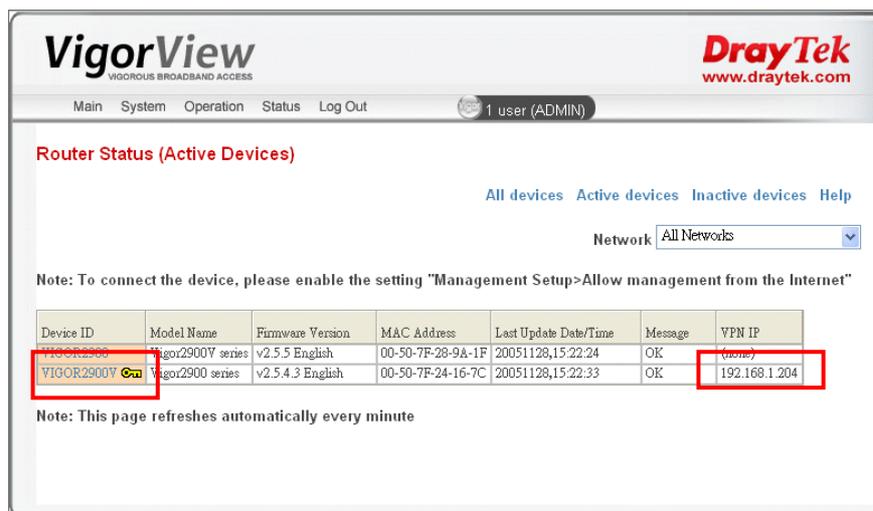
Advance

Go to **System Management > VPN Connection Management** for local router. When the connection between local and remote routers is OK, the following page will be shown.



The remote IP and virtual network IP addresses (assigned by local router) will be displayed on the **VPN Connection Status** page.

3. Open **Router> Router Status** on VigorView page.
4. If the VPN connection is OK, the correct status will be shown as the following screen. The remote router (in this case, the remote router is Vigor2900V and the local router is Vigor2900) will dial to the local router after you click **Apply**. Then the local router will assign another IP address (in this case, it is 192.168.1.204) specified for VPN connection as identification). The VPN IP address will be shown on the table of Router Status. All VigorView management data will be transmitted through the VPN IP. All the input and output data passing through this VPN IP address will be protected with VPN encryption.



2.7 Provision

Provision operation can help user/administrator to set provision profiles for applying in different routers (V models only) with little settings instead of setting VoIP configurations in different routers one by one.

Select **Operation >> Provision** to open the following page:

Profile Name	List the name of the provision profile.
MAC From	List the starting point with MAC address.
To	List the ending of the MAC address.
Config File	List the provision config file.
Update Date/Time	List the date and time for the newest update.
Update by	List the account name that modified the profile.
Active	List the status of this profile. Y means the file is active and invoked by VigorView. N means that file is inactive.
Modify	Click this button to edit the profile after creating it.
Upload Config File...	You can make lots of config file through this page. Simply click Browse... to locate the wanted config file.
Upload	Click this button to upload the config file.

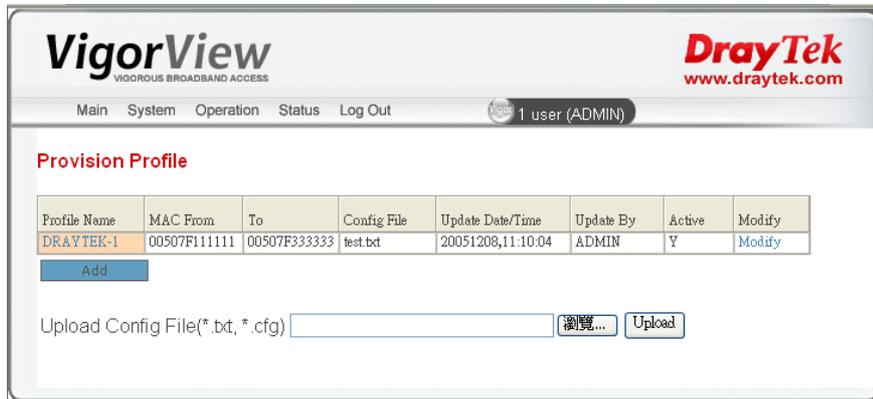
2.7.1 Adding New Profile

To add a *new profile*, click **Add** to open the following page.

Profile Name	Type in the name of the provision profile.
---------------------	--

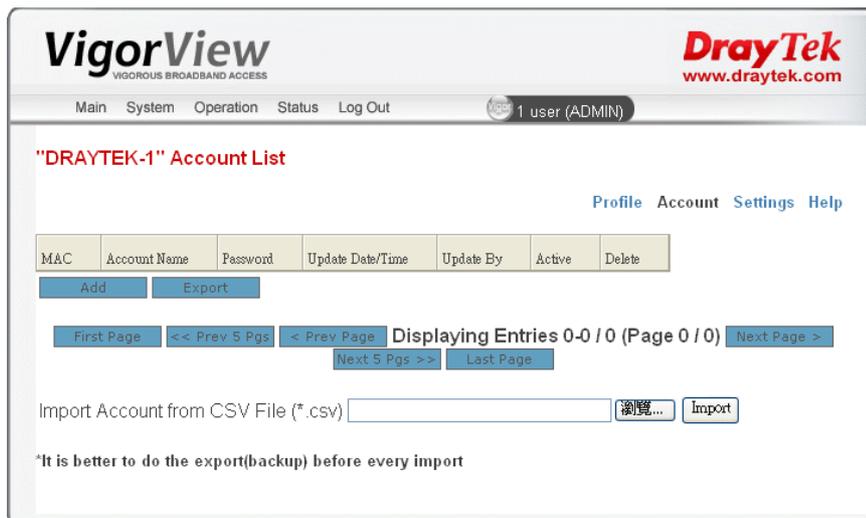
MAC From	Type in the starting MAC address of the range for the provision file.
MAC To	Type in the ending MAC address of the range for the provision file. Any MAC address lies between MAC From and MAC To can be applied with such profile.
Config File	Save the provision file with the filename chosen in this field.
Active	Check this box to invoke this setting.
Add	Click this button to add and save the file with the settings configured in this page.
Cancel	Click this button to give up the creation of the provision profile.

When you finished the profile settings, click the **Add** button again to save it. Later, you can see the new created provision profile appeared on the **Provision Profile** page.



2.7.2 Adding New Account

Next, please click the link (in this case, DRAYTEK-1) under **Profile Name** field to adding new accounts.



Export	Click this button to download (save or open directly) the account information with the file format of CSV to your computer. The .csv file can be opened through Excel.
---------------	--

	A1	Mac				
	A	B	C	D	E	F
1	Mac	SIP_1_Use	SIP_1_Pass	SIP_2_Auth_ID		
2	00507F276	David	david			
3	00507F123	Carrie	carrie			
4	00507F222	Jimmy	jimmy			
5						
6						
7						

First Page

List the first page for all the accounts.

Prev 5 Pgs

List the previous five pages of the accounts.

Prev Page

List the previous page of the accounts.

Next Page

List the next page of the accounts.

Next 5 Pgs

List the next five pages of the accounts.

Last Page

List the last page for all the accounts.

Click **Add** to access into the following page for adding *new account*. When you finished the configuration, click **Add** again.

Provision Account Add

Profile Name	DRAYTEK-1
MAC	<input type="text" value="0050276c35"/>
User Defined Settings	Account Name <input type="text" value="David"/>
	Password <input type="text" value="david"/>
Active	<input checked="" type="checkbox"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

Profile Name

List the name of the profile that you created.

MAC

Type in the MAC address of the account. Note that the MAC address must be in the range limited by **MAC From** and **MAC To** fields.

User Defined Settings

Type in values and data in this field. The items of **Account Name** and **Password** are provided in default. You can create new items by accessing into **Settings** page and then modify the settings. Refer to next section for modification.

Active

Check this box to invoke this setting.

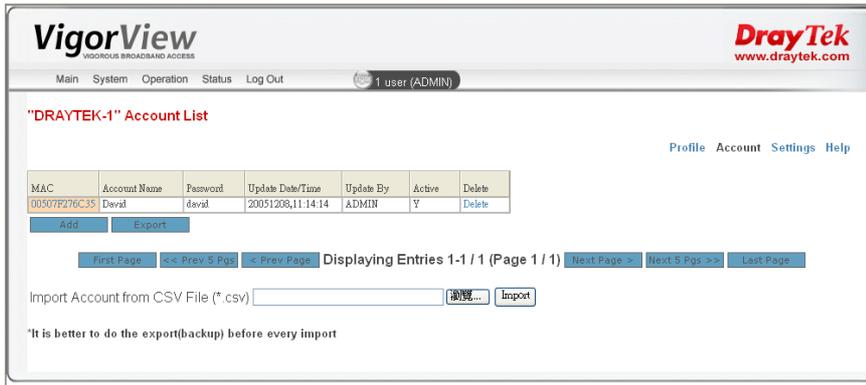
Add

Click this button to add the new account to the provision profile.

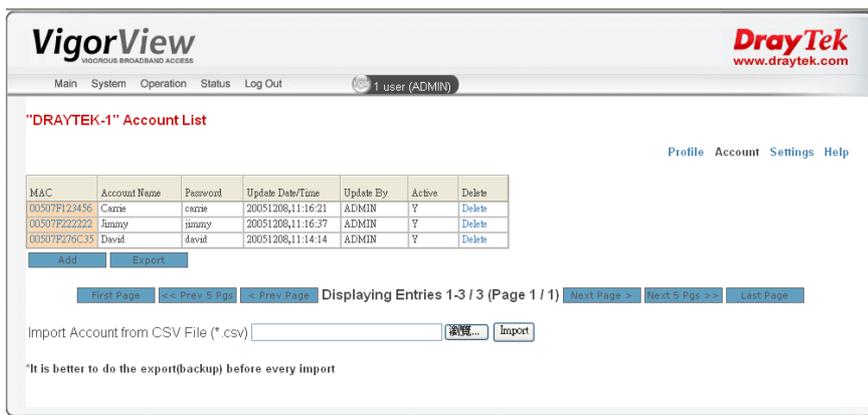
Cancel

Click this button to give up the account creating.

When you finished the addition, you will get the following page.



A provision profile allows you to add many accounts. Please repeat the same adding procedure for creating more accounts. In addition, you can add many accounts at one time by clicking the Import button. See the following example for a reference.



Now the settings of the accounts for the provision profile have been finished.

2.7.3 Exporting the CSV file

The provision profile can be exported with the file format of **CSV**. You can use **Excel** to open the file for viewing. The basic information of the accounts will be shown as the following screen.

	A1		f	Mac			
	A	B	C	D	E	F	
1	Mac	SIP_1_Use	SIP_1_Pass	SIP_2_Auth_ID			
2	00507F276	David	david				
3	00507F123	Carrie	carrie				
4	00507F222	Jimmy	jimmy				
5							
6							
7							

2.7.4 Importing the CSV file

1. If you want to import the provision file in some place, please use an application which supports CSV file format (e.g., Excel or OpenOffice) to open or edit the provision file. After editing the file, save it with **CSV** file format again. In this case, the **SIP_2_Auth_ID** for each MAC address is added.

	A	B	C	D
1	Mac	SIP_1_User_ID	SIP_1_Password	SIP_2 Auth ID
2	00507F276C36	David-1	david	1001
3	00507F123457	Carrie-1	carrie	1002
4	00507F222223	Jimmy-1	jimmy	1003
5				
6				
7				
8				

- Next, return to the **Account List** page of VigorView. Use **Browse...** on the column of **Import Account term CSV file** to select the modified CSV file. Then click **Import**.

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Main System Operation Status Log Out 1 user (ADMIN)

"DRAYTEK-1" Account List

Profile Account Settings Help

MAC	Account Name	Password	authentication ID	Update Date/Time	Update By	Active	Delete
00507F123456	Carrie	carrie		20051208,11:16:21	ADMIN	Y	Delete
00507F222223	Jimmy	jimmy		20051208,11:16:37	ADMIN	Y	Delete
00507F276C35	David	david		20051208,11:14:14	ADMIN	Y	Delete

Add Export

First Page < Prev 5 Pgs < Prev Page **Displaying Entries 1-3 / 3 (Page 1 / 1)** Next Page > Next 5 Pgs >> Last Page

Import Account from CSV File (*.csv)

*It is better to do the export(backup) before every import

- A preview page for the modification will be shown first. Please confirm and click **Import Now**.

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Main System Operation Status Log Out 1 user (ADMIN)

Provision Account Import Preview

Please check the import data and click 'Import Now' to do import

File DRAYTEK-2.csv contents:

Mac	SIP_1_User_ID	SIP_1_Password	SIP_2_Auth_ID
00507F276C36	David-1	david	1001
00507F123457	Carrie-1	carrie	1002
00507F222223	Jimmy-1	jimmy	1003

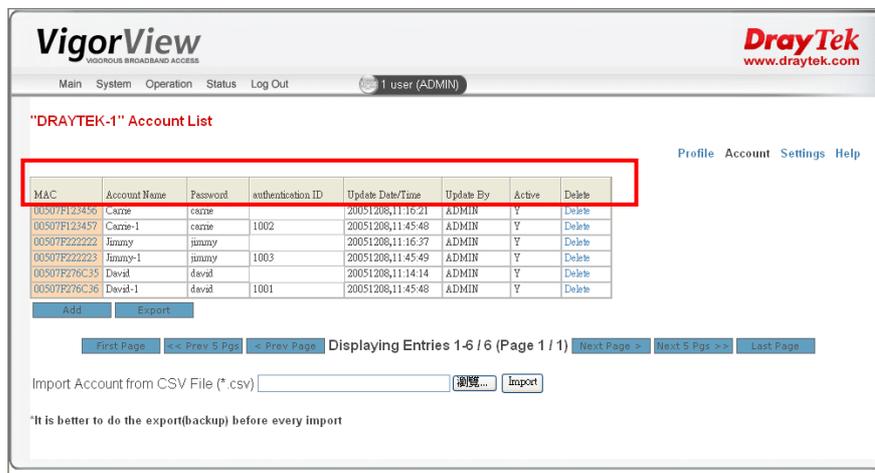
<< Back

- Next, the system will display the result of the **Import**.



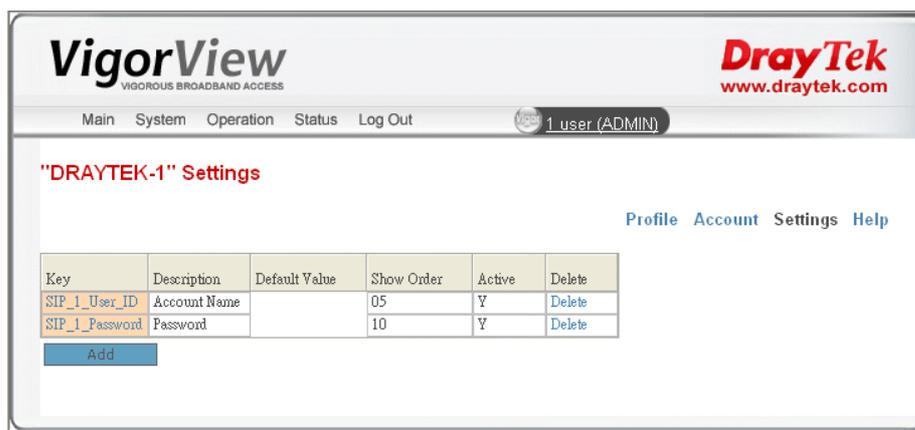
Click **Back** to return to the previous **Account List** page.

- The imported account names will be arranged by the MAC address. You can also arrange these accounts with different item.



2.7.5 Modifying Settings for a Profile

- On the **Account List** page, click **Settings**. You will see the following page:



- Key** List the main words of the provision profile.
- Description** List the addition explanation for the main words.
- Default Value** List the default value of the provision profile.
- Show Order** List the order number of such provision profile.
- Active** List the status of current key. **Y** means activeness; **N** means inactiveness.

Delete Click this link to remove such line.

2. Click **Add** to access into **Provision Settings Add** page.

Provision Settings Add

Profile Name	DRAYTEK-1
Key (Left Field in Config File)	<input type="text" value="SIP_2_Auth_ID"/>
Description	<input type="text" value="authentication ID"/>
Default Value (keep empty use cfg file default)	<input type="text"/>
Show Order (0:hidden)	<input type="text" value="15"/>
Active	<input checked="" type="checkbox"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

Key (Left Field in Config File)

Such value can be gotten from config file. Refer to the following test.txt (the default config file provided by VigorView). Find out the definition (on the left side, you want to append to the provision setting page) and the mapping values (on the right side). Please copy the KEY string on the left side to this place. In this case, we take **SIP_2_Auth_ID** as an example.

```
test - 記事本
檔案(F) 編輯(E) 格式(O) 檢視(V) 說明(H)
SIP_1_User_ID = "070901001"
SIP_1_Auth_ID = "070901001"
SIP_1_Displ_Name = "100 1"
SIP_1_Password = "1001"
SIP_1_Reg_via = "1"
SIP_1_Reg_Expires = "3600"
SIP_1_Max_Forward = "70"
SIP_1_CWaiting_Enable = "0"
SIP_1_CTransfer_Enable = "0"
SIP_1_CFwd_Mode = "0"
SIP_1_CFwd_URL = "3002"
SIP_1_CFwd_TimeOut = "25"
SIP_1_DND_Enable = "0"
SIP_2_Port = "5060"
SIP_2_Domain = ""
SIP_2_Proxy = ""
SIP_2_Proxy = ""
SIP_2_User_ID = "070901001"
SIP_2_Auth_ID = "070901001"
SIP_2_Displ_Name = ""
SIP_2_Password = "814060"
SIP_2_Reg_via = "0"
SIP_2_Reg_Expires = "3600"
SIP_2_Max_Forward = "70"
SIP_2_CWaiting_Enable = "1"
SIP_2_CTransfer_Enable = "1"
```

Description

Type in detailed or clear description for the key selected in the above field. In this case, **authentication ID** is written for explaining **SIP_2_Auth_ID** as the description.

Default Value (keep empty use cfg file default)

The mapping value for the **Key** (SIP_2_Auth_ID, in this case) is listed in the right side of the same line. If you want to use the default value, please keep this box empty. If any value is typed in this field instead of the default value, it will be invoked when the profile is using.

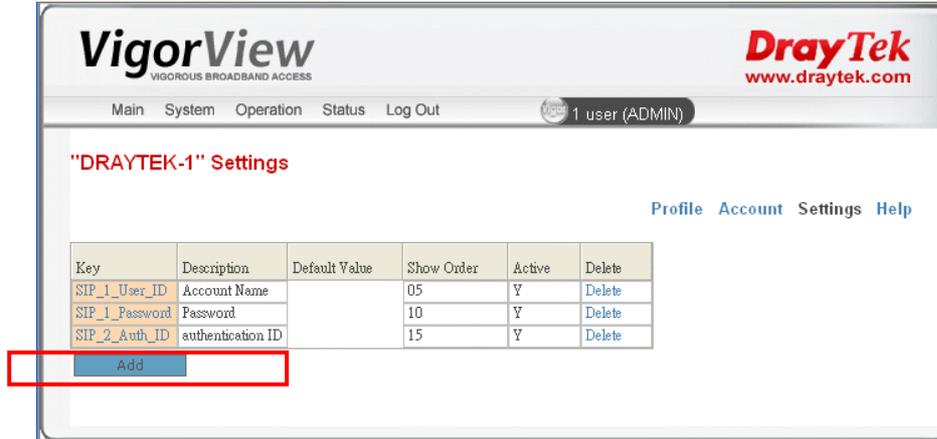
Show Order Type in the order of such description appeared on the Account List page. **0** means to hide this field but still applies to the config file.

Active List the status of current key. **Y** means activeness; **N** means inactiveness.

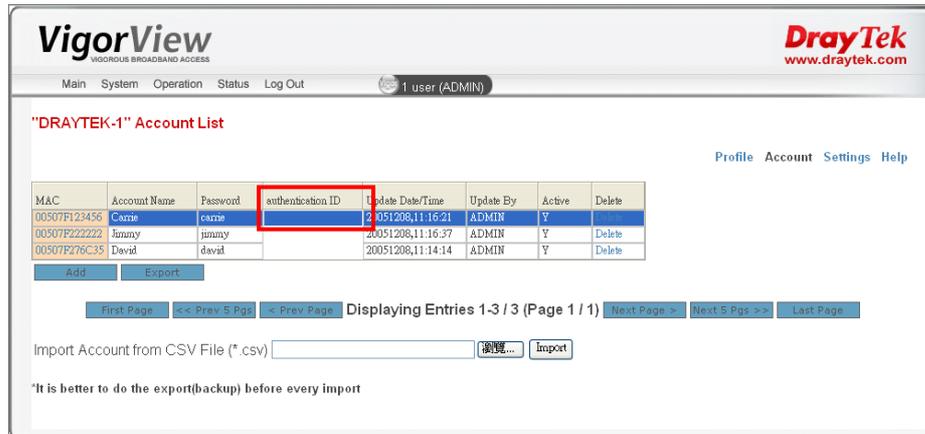
Add Click this button to add the new key for settings.

Cancel Click this button to give up the setting configuration.

3. Click **Add**. The new key with description will be shown on the **Settings** page.



4. Please go to **Account List** page by clicking Account link to check the new added column (in this case, check **authentication ID** is added or not.)

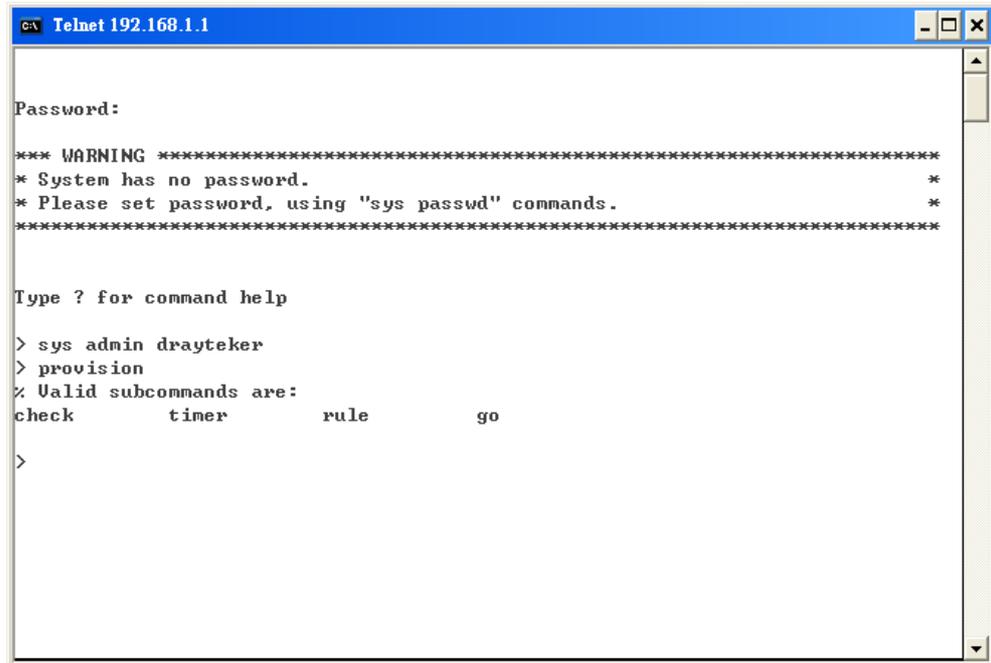


5. For modifying the provision account, click the MAC address link under MAC column again.

2.7.6 Settings Required for the Router

The models for the routers which supported by VigorView for Provision Profile are Vigor2200V and 2100V currently.

1. Please access into telnet command page for the router.
2. Type in **telnet 192.168.1.1**.
3. Next, type in the commands as the graphic shown below:



```
CA> Telnet 192.168.1.1

Password:

*** WARNING ****
* System has no password.
* Please set password, using "sys passwd" commands.
****

Type ? for command help

> sys admin drayteker
> provision
% Valid subcommands are:
check      timer      rule      go

>
```

4. To set the server IP address for the provision profile in VigorView, please use the commands shown in the graphic below. In which, **192.168.1.50** indicates the located IP address of VigorView server. You have to modify it according to real situation.



```
CA> Telnet 192.168.1.1

Password:

*** WARNING ****
* System has no password.
* Please set password, using "sys passwd" commands.
****

Type ? for command help

> sys admin drayteker
> provision
% Valid subcommands are:
check      timer      rule      go

> provision rule
Usage: provision rule < cfgurl ! fwurl > < url >
==== current provision rule:====
Profile rule:http://192.168.1.50/GetCfg.php
Upgrade rule:
> provision rule cfgurl http://192.168.1.50/GetCfg.php
Profile_Rule=http://192.168.1.50/GetCfg.php

>
```

5. Check if the provision is active or not. Use the command shown below to finish it.

```

Telnet 192.168.1.1
*****
Type ? for command help

> sys admin drayteker
> provision
% Valid subcommands are:
check      timer      rule      go

> provision rule
Usage: provision rule < cfgurl ! fwurl > < url >
==== current provision rule:=====
Profile rule:http://192.168.1.50/GetCfg.php
Upgrade rule:
> provision rule cfgurl http://192.168.1.50/GetCfg.php
  Profile_Rule=http://192.168.1.50/GetCfg.php
> provision check
Usage: provision check < profile ! reset ! firmware > < 0 ! 1 >
==== current provision flag:=====
Provision: Enable
Sync on Reset: Enable
firmware upgrade: Enable
=====
>

```

6. Set **timer** for renewing the circle of update periodically

```

Telnet 192.168.1.1
> prov rule
Usage: provision rule < cfgurl ! fwurl > < url >
==== current provision rule:=====
Profile rule:http://192.168.1.50/GetCfg.php
Upgrade rule:
> prov go
Auto provision exec.....
> prov check
Usage: provision check < profile ! reset ! firmware > < 0 ! 1 >
==== current provision flag:=====
Provision: Enable
Sync on Reset: Enable
firmware upgrade: Enable
=====
> prov ?
% Valid subcommands are:
check      timer      rule      go

> prov timer
Usage: provision timer < resync ! retry > < second >
==== current provision timer:=====
Resync Periodic=3600
Error Retry Delay=3600
> prov go
Auto provision exec.....
>

```

7. Then, execute **go** command to renew the config file for VoIP right away by asking the provision profile from VigorView Server (according to the accomplished settings in previous steps).
8. If necessary, you can turn on the router syslog for viewing the provision result. In normal operation, the VoIP configuration for the router(s) will be renewed with the

settings that you set in VigorView. See the following page for an example.

VoIP >> SIP Related Functions Setup

SIP

SIP Port	:	<input type="text" value="5060"/>	
Domain	:	<input type="text" value="seed.net.tw"/>	
Proxy	:	<input type="text" value="139.175.232.13"/>	<input type="button" value="Duplicate"/>
Outbound Proxy	:	<input type="text"/>	<input type="button" value="Duplicate"/>
<input type="checkbox"/> Stun Server	:	<input type="text" value="stun.fwdnet.net"/>	

Ports Setting

Register via	:	<input type="text" value="Auto"/>	
Display Name	:	<input type="text" value="IAD 1"/>	
Account Name	:	<input type="text" value="David"/>	
Authorization User	:	<input type="text" value="070901001"/>	<input type="button" value="Duplicate"/>
Password	:	<input type="password" value="••••"/>	
Expiry Time	:	<input type="text" value="1 hour"/>	<input type="text" value="3600"/> sec

3

Viewing Status

VigorView allows you to view status of router device, online traffic, command log, time schedule and router syslog in different web pages. Please open Status menu and point to the item that you want to check. Then click the item to access into the corresponding page.

3.1 Router Status

This page displays current status for all the routers controlled through VigorView router.

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Main System Operation Status Log Out 1 user (ADMIN)

Router Status (Active Devices)

[All devices](#) [Active devices](#) [Inactive devices](#) [Help](#)

Network:

Note: To connect the device, please enable the setting "Management Setup>Allow management from the Internet"

Device ID	Model Name	Firmware Version	MAC Address	Last Update Date/Time	Message	VPN IP
VIGOR2900	Vigor2900 series	v2.5.4.3 English	00-50-7F-24-16-7C	20051128,16:01:44	OK	(none)
VIGOR2900V	Vigor2900V series	v2.5.5 English	00-50-7F-28-9A-1F	20051128,16:01:44	OK	(none)

Note: This page refreshes automatically every minute

Device ID	Display the group of the device.
Model Name	Display the model name of the device.
Firmware Version	Display the firmware version for the device.
MAC Address	Display the MAC address of the device.
Last Update Date/Time	Display the date/time that modified for the last time.
Message	Display OK if it gets successful status or display error messages if something wrong occurred.
VAN IP	Display the VPN IP address of the device.
Network (drop down menu)	Includes all the groups of the network. You can view the routers status in different network by choosing from this menu.
All devices	Click this link to list all the active and inactive devices for current group account in this page.
Active devices	Click this link to list all the active devices.
Inactive devices	Click this link to list all the inactive devices.
Help	Click this link to display online help for current page.

3.2 Online Traffic

This page displays the online traffic for device(s) in certain network (or all networks) that you specified in this page.

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Main System Operation Status Log Out 1 user (ADMIN)

Online Status

All devices Active devices Inactive devices

Network: All Networks Device: All Device Online: WAN

Device ID	Sys Uptime	GW IP	Mode	WAN IP	TX Pkts	TX Rate	RX Pkts	RX Rate	Uptime	Last Update Date/Time
VIGOR2900	Jan 1 06:01:05	172.16.3.1	Static IP	172.16.3.229	105398	1	237992	8	65:51:24	2005/11/18,10:11:21

Note: Click Device ID to open the traffic graph

Device ID

Display the group of the device. Click the name of the device ID can open the traffic graph as shown below.



Sys Uptime

Displays the duration of the time that VigorView is active.

GW IP

Display the gateway IP address of the device.

Mode

Display the WAN connection mode of the device.

WAN IP

Display the WAN IP address of the device.

TX Pkts

Displays the data packages of the upstream for the device.

TX Rate

Displays the data transmission rate for the upstream.

RX Pkts

Displays the data packages of the downstream for the device.

RX Rate

Displays the data transmission rate for the downstream.

Uptime

Displays the connection time of the device to the network.

Last Update Date/Time Display the date/time that modified for the last time.

All devices Click this link to list all the active and inactive devices for current group account in this page.

Active devices Click this link to list all the active devices.

Inactive devices Click this link to list all the inactive devices.

Help Click this link to display online help for current page.

3.3 Command Log

This page displays the command logs for the network and device that you specified in this page.

The screenshot shows the VigorView web interface for Command Log (Device Log). At the top, there's a navigation bar with 'Main', 'System', 'Operation', 'Status', and 'Log Out'. The user is logged in as '1 user (ADMIN)'. Below the navigation bar, there are filters for 'Network' (set to 'All Networks'), 'Device' (set to 'All Device'), and 'Show Data Within' (set to '1 week'). There are also buttons for 'System Log', 'Reload Log', and 'Export'. The main content is a table with the following data:

Device ID	Network	Date/Time	Level	Type	Message	By
VIGOR2900	RD01	20051111,13:56:09	INF	BACKUP	[Finish]192.168.1.1 v2k9_v2.5.5.cfg	USER01
VIGOR2900	RD01	20051111,13:56:08	INF	BACKUP	[Start]192.168.1.1 C:\VigorView\backup\20051111135608	USER01
VIGOR2900	RD01	20051111,13:51:43	ERR	BACKUP	[Connect]192.168.1.1 Cannot connect, timeout	USER01
VIGOR2900	RD01	20051111,13:51:22	INF	BACKUP	[Start]192.168.1.1 C:\VigorView\backup\20051111135121	USER01

Below the table, there are pagination controls: 'First Page', '<< Prev 5 Pgs', '< Prev Page', '1-4 / 4 (Page 1 / 1)', 'Next Page >', 'Next 5 Pgs >>', and 'Last Page'. There are also buttons for 'Delete before' and 'Delete all'.

Network Use the drop down list to choose the network group (you created for different devices) for displaying the command log of operation.

Device Use the drop down list to choose one of the device groups for displaying the command log of operation

Show Data Within Use the drop down list to show the period (one year, 6 months, 3 months, 2 months, 1 month, 3 weeks, 2 weeks, 1 week or no limit) that you want to display the command log of the operation.

Device ID Display the group of the device.

Network Display the network name of the device.

Date/Time Display the last modified date and time for the device.

Level Display the level for current status. INF means information for current command and ERR means something wrong happened.

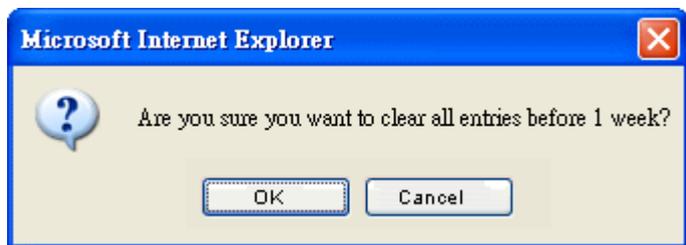
Type Display the operation that you have done to this device.

Message Display the result of the operation.

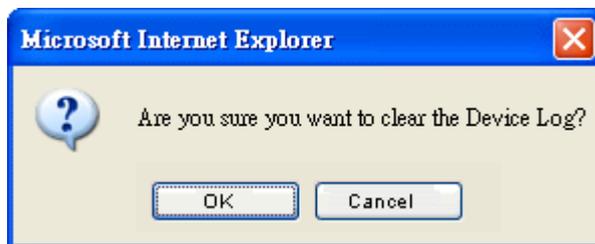
By Display the one who executed such operation.

System Log Allows you to toggle the window of system log.

Reload Log	Allows you to reload the command log of this page.
Export	Allows you to transport VigorView data for downloading in the future. A dialog will appear for asking saving the data. Please click Save . Later, you can open the file with Excel easily.
First Page	Allows you to view the first page of command log.
Prev 5 Pgs	Allows you to view previous five pages of command log.
Prev Page	Allows you to view previous page of command log.
Next Page	Allows you to view next page of command log.
Next 5 Pgs	Allows you to view next five pages of command log.
Last Page	Allows you to view the last page of command log.
Delete before	This button allows you to clear all entries before one week. A dialog box will appear to ask your confirmation. Click OK to execute or click Cancel to give it up.



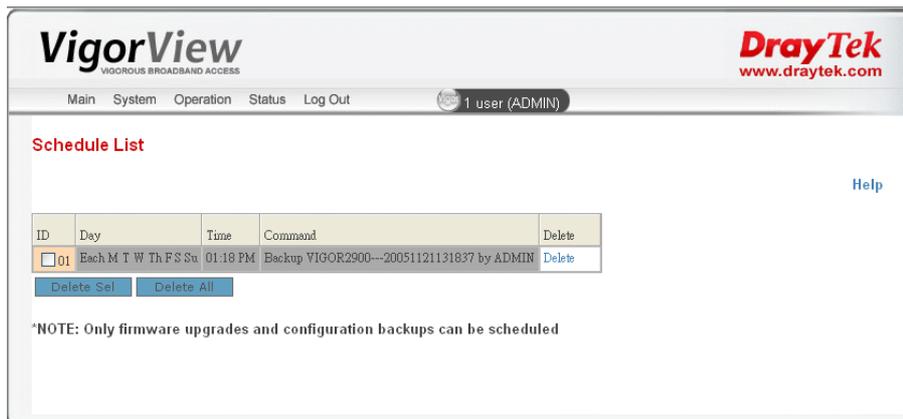
Delete all	Click this button to delete all the command log. A dialog box will appear to ask your confirmation. Click OK to execute or click Cancel to give it up.
-------------------	--



Help	Click this link to display online help for current page.
-------------	--

3.4 Schedule

This page displays the time schedule for upgrading the firmware and backup the file of VigorView.

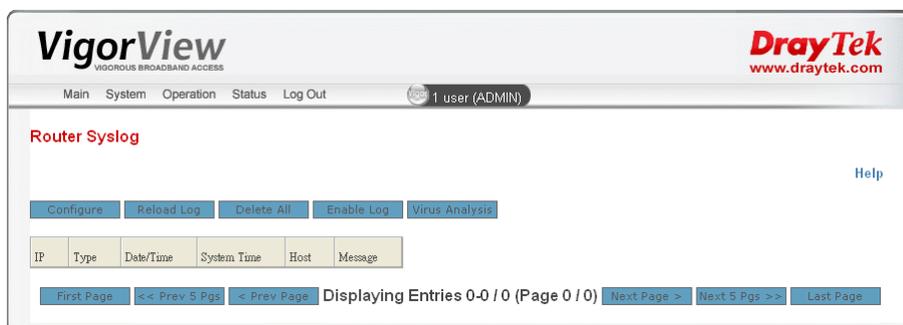


- ID** Display the number of the router with scheduled time. Check the box to select the schedule of the router.
- Day** Display the day of backup or upgrading for the router.
- Time** Display the time of backup or upgrading for the router.
- Command** Display the command of backup or upgrade executed for the router.
- Delete** Delete the schedule list of the one you selected.
- Delete Sel** Allows you to delete the schedules of the selected devices (by checking the ID numbers).
- Delete All** Allows you to remove all the device lists. A dialog box will appear to ask your confirmation. Click **OK** to execute or click **Cancel** to give it up.

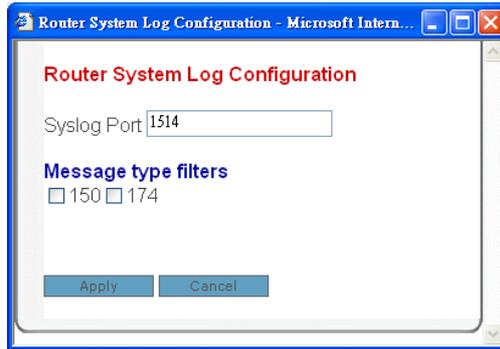


3.5 Router Syslog

This page allows user to set the syslog for the router that controlled by the user. Corresponding settings in router and VigorView must be the same.



- Configure** Click this button to open the following dialog and set the configuration for router syslog.



The default syslog port is 1514. You have to enable the Syslog function and make the port on the Syslog page of router the same as the value set here. As to **Message type filter**, check the port box for not viewing the corresponding messages of that port. Click **Apply** to invoke the settings here.

Reload Log

Click this button to reload the syslog of the router and display the data of log in this page.

Delete All

Allows you to delete all the entries of this log. A dialog box will appear to ask your confirmation. Click **OK** to execute or click Cancel to give it up.



Enable Log

Allows you to enable system log of selected router system. A dialog box will appear to ask your confirmation. Click **OK** to execute or click Cancel to give it up.



Virus Analysis

This function is offered for future use.

First Page

Allows you to view the first page of command log.

Prev 5 Pgs

Allows you to view previous five pages of command log.

Prev Page

Allows you to view previous page of command log.

Next Page

Allows you to view next page of command log.

Next 5 Pgs

Allows you to view next five pages of command log.

Last Page

Allows you to view the last page of command log.

4

Trouble Shooting

This section 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.

- Checking if the Apache settings are OK or not.
- Checking if the PHP settings are OK or not.
- Failed to Backup/Upgrade Firmware
- Cannot Access into VigorView
- VPN Connection Failed
- Contacting Your Dealer

4.1 Checking If the Apache Settings are OK or Not

Follow the steps below to verify the Apache settings.

1. Open the Apache configuration file from the **Start** menu:
Programs -> Apache HTTP Server 2.0.54 -> Configure Apache Server -> Edit the Apache httpd.conf Configuration File.
2. The PHP should be installed as an Apache Module (do not install it as CGI files). Please check if the httpd.conf file has the following lines. If not, please add them to the file manually:

```
##### Start For PHP 5 #####  
LoadModule php5_module "c:/php/php5apache2.dll"  
ScriptAlias /php/ "c:/php/"  
AddType application/x-httpd-php .php  
##### End For PHP 5 #####
```

3. Find the DirectoryIndex line in **httpd.conf** and add **index.php**.
DirectoryIndex index.html index.html.var index.php
4. Change the server document root to VigorView's document root:
Change the line of
DocumentRoot "C:/Program Files/Apache Group/Apache2/htdocs"
into
DocumentRoot "C:/VigorView/htdocs".

4.2 Checking If the PHP Settings are OK or Not

Follow the steps below to verify the PHP settings.

1. Copy the file **C:/PHP/php.ini-recommended** to **C:/windows/php.ini**.
2. If you want to enable firmware uploading, open **php.ini** and change the line of
upload_max_filesize = 2M

```
        into
upload_max_filesize = 8M
```

3. If you want to enable the mail function, modify the following lines:
SMTP = 172.16.2.8 ; for Win32 only
smtp_port = 25
sendmail_from= jtu@draytek.com ; for Win32 only
4. To enable the traffic graph function, you need the gd library. Change

```
        ;extension=php_gd2.dll
        to
        extension=php_gd2.dll
and set the correct extension path
extension_dir = "c:/php/ext/"
```

5. To enable the system log function, you need the socket extension. Change
;extension=php_sockets.dll
to
extension=php_sockets.dll
note that in linux, the syslog port should be larger than 1024, only root can bind a lower port.

6. In order to speedup the php performance and protect our php code, we use eAccelerator to do cache and encode. The following lines should also be added.

```
extension="eaccelerator.dll"
eaccelerator.shm_size="16"
eaccelerator.cache_dir="c:/tmp/eaccelerator"
eaccelerator.enable="1"
eaccelerator.optimizer="1"
eaccelerator.check_mtime="1"
eaccelerator.debug="0"
eaccelerator.filter=""
eaccelerator.shm_max="0"
eaccelerator.shm_ttl="0"
eaccelerator.shm_prune_period="0"
eaccelerator.shm_only="0"
eaccelerator.compress="1"
eaccelerator.compress_level="9"
```

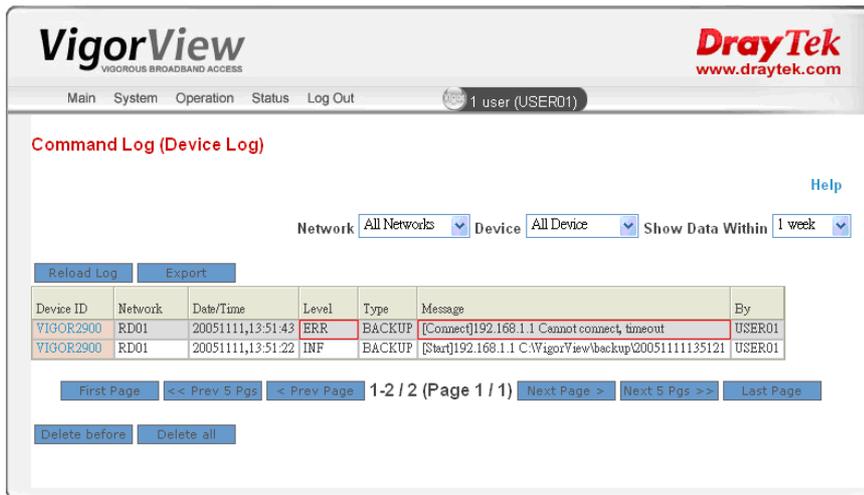
For more information about eAccelerator, see <http://eaccelerator.net>. And for Linux installation, read the document in the eaccelerator web.

The win32 binary "eaccelerator.dll" can be downloaded from <http://www.arnot.info/eaccelerator>.

7. To enable encrypt and decrypt function, you need the mcrypt extension.
Change ;extension=php_mcrypt.dll to extension=php_mcrypt.dll and put libmcrypt.dll under C:\WINDOWS\system32.

4.3 Failed to Backup/Upgrade Firmware

When you failed to backup your configuration or upgrade firmware with VigorView, you would receive the following error message.



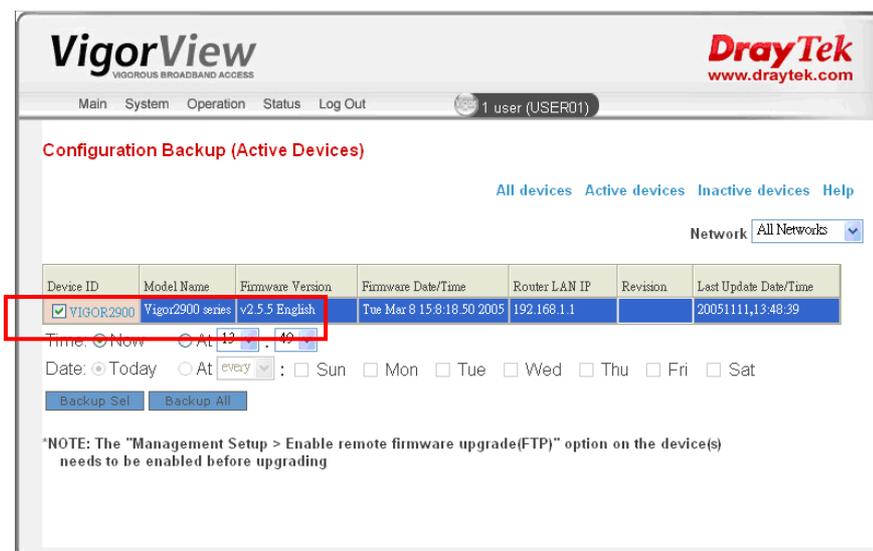
For solving this problem, please activate the following two items (under **Management Setup** or similar pages) by opening the web page of your router.



- **Allow management from the Internet**
- **Enable remote firmware upgrade(FTP)**

When you finished the activation, wait for the router to invoke the settings.

Now, return to **VigorView Configuration Backup** page, select and check the device that you want to backup the configuration again.



Then click the **Backup Sel** button. Now, you will get the backup completion screen.



4.4 Cannot Access into VigorView

While using VigorView, if you cannot access into the web page of VigorView, please do the following:

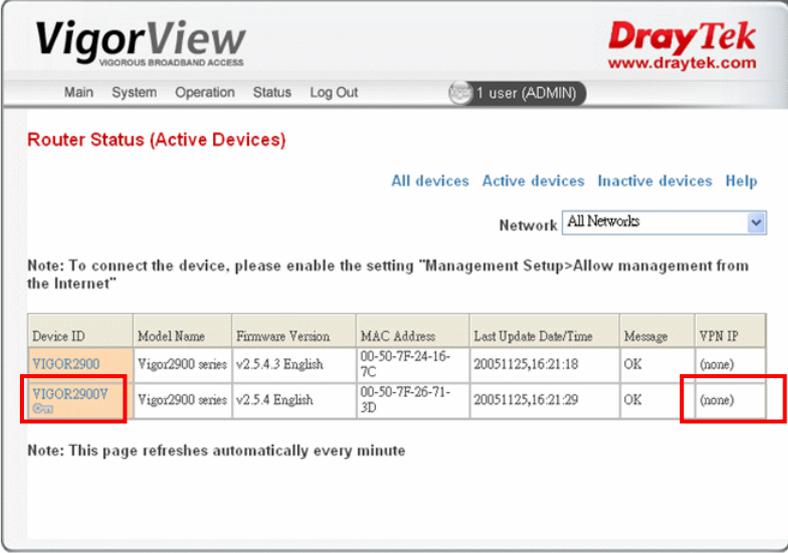
1. Check if the Apache software is active or not. If yes, an **Apache icon** will appear on the bottom right of your desktop. If not please restart Apache.



2. If Apache cannot be restarted, or there is no response after restarting Apache, it must be something wrong with your computer. Please restart your computer and try to open Apache and VigorView again.

4.5 VPN Connection Failed

When you try to build VPN connection and get the following page:



VigorView
VIGOROUS BROADBAND ACCESS

DrayTek
www.draytek.com

Main System Operation Status Log Out 1 user (ADMIN)

Router Status (Active Devices)

All devices Active devices Inactive devices Help

Network All Networks

Note: To connect the device, please enable the setting "Management Setup>Allow management from the Internet"

Device ID	Model Name	Firmware Version	MAC Address	Last Update Date/Time	Message	VPN IP
VIGOR2900	Vigor2900 series	v2.5.4.3 English	00-50-7F-24-16-7C	20051125,16:21:18	OK	(none)
VIGOR2900V <small>Dim</small>	Vigor2900 series	v2.5.4 English	00-50-7F-26-71-3D	20051125,16:21:29	OK	(none)

Note: This page refreshes automatically every minute

There is one dimmed key appeared in the column of Device ID and there is no VPN IP created. It means that the VPN connection is failed. The most possible reason might be both routers share the same gateway LAN IP. To solve this problem, please configure the gateway LAN IP addresses for the routers with different values. Then try to build VPN connection again.

4.6 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.