

Group Management on RV320 and RV325 VPN Router Series

Objective

Group Management is used to divide users based on their work, activity, and privilege to access the resources. Generally you divide the users into multiple groups to allow access to the resources based on their privilege. Group Management is necessary as it makes the work easier and also saves time for you, as you do not need to configure each user with the necessary resources.

This article explains how to manage group on RV32x VPN Router Series.

Applicable Devices

- RV320 Dual WAN VPN Router
- RV325 Gigabit Dual WAN VPN Router

Software Version

- v1.1.0.09

Group Management

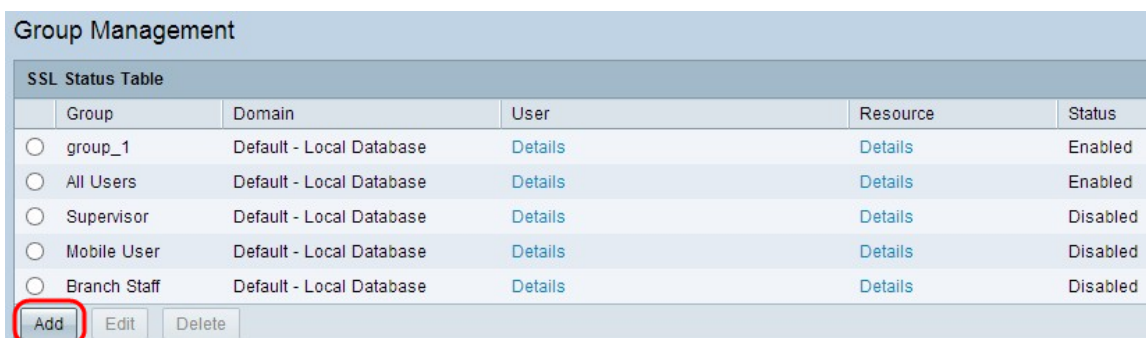
Step 1. Log in to the Web Configuration Utility and choose **SSL VPN > Group Management**. The *Group Management* page opens:



The screenshot shows the 'Group Management' page with a table titled 'SSL Status Table'. The table has six columns: Group, Domain, User, Resource, and Status. There are five rows of data, each with a radio button in the Group column. Below the table are three buttons: Add, Edit, and Delete.

	Group	Domain	User	Resource	Status
<input type="radio"/>	group_1	Default - Local Database	Details	Details	Enabled
<input type="radio"/>	All Users	Default - Local Database	Details	Details	Enabled
<input type="radio"/>	Supervisor	Default - Local Database	Details	Details	Disabled
<input type="radio"/>	Mobile User	Default - Local Database	Details	Details	Disabled
<input type="radio"/>	Branch Staff	Default - Local Database	Details	Details	Disabled

Add a New User Group



This screenshot is identical to the previous one, but the 'Add' button at the bottom left of the table is highlighted with a red circle.

Step 1. Click **Add** in the SSL Status Table to add a new group. The *Group Management*

window appears.

Group Management

UserGroup

Group Name:

Domain:









Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service:  Word  Excel  PowerPoint
  Access  Internet Explorer  FrontPage
  ERP  Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet

SSH FTP

Enable Customized Service Bookmark

Desktop: RDP5 VNC

Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint

Access Internet Explorer FrontPage

ERP Resource_1

Other: My Network Place

Virtual Passage Split tunnel Full tunnel

Step 2. Enter a new name for the group in the Group Name field.

Step 3. Choose the appropriate domain to which the group belongs from the Domain drop-down list. If you want to add or edit the database click **Add/Edit**. This domain is used to determine which users are matched with the group.

Note: To know more on how to add or edit the local database refer to *User and Domain Management Configuration on RV320 Router*.

Step 4. Check the **Enable** check box to enable the new group.

Step 5. In the Session Idle Time field, enter the time, in minutes, before the existing session terminates after the connection becomes idle.

Step 6. Click **Save** to save the settings.

Add Resource to the New User Group

Add a Service for the Group

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service:

<input type="checkbox"/> Web	<input checked="" type="checkbox"/> Secure Web	<input type="checkbox"/> Telnet
<input type="checkbox"/> SSH	<input type="checkbox"/> FTP	
<input checked="" type="checkbox"/> Enable Customized Service Bookmark		<input type="button" value="Configure Bookmark..."/>

Desktop:

<input checked="" type="checkbox"/> RDP5	<input checked="" type="checkbox"/> VNC
<input checked="" type="checkbox"/> Enable Customized Service Bookmark	
<input type="button" value="Configure Bookmark..."/>	

Terminal Service:

<input type="checkbox"/> Word	<input type="checkbox"/> Excel	<input type="checkbox"/> PowerPoint
<input type="checkbox"/> Access	<input type="checkbox"/> Internet Explorer	<input type="checkbox"/> FrontPage
<input type="checkbox"/> ERP	<input type="checkbox"/> Resource_1	

Other:

<input checked="" type="checkbox"/> My Network Place	
<input checked="" type="checkbox"/> Virtual Passage	<input checked="" type="radio"/> Split tunnel
	<input type="radio"/> Full tunnel

Step 1. Check the appropriate check box to allow the service for the group.

- Web — It is an Application layer protocol which uses Hypertext Terminal Protocol (HTTP) to securely transfer the traffic.
- Secure Web — It is an Application layer protocol which uses Hypertext Terminal Protocol Secure (HTTPS) to securely transfer the traffic.
- Telnet — It is a Network layer protocol which uses Transmission Control Protocol (TCP) to securely transfer the traffic.
- SSH — It is a Network layer protocol which provides public key cryptography to authenticate the traffic.
- FTP — It is a file transfer protocol which uses client-server architecture to securely transfer file.

Step 2. (Optional) To enable customized bookmarked services, check the **Enable Customized Service Bookmark** check box. It provides flexibility to the users of the group as the users do not need to memorize the service.

Note: To know how to configure bookmark for the services refer to the *Configure Bookmark for the Service* section.

Step 3. Click **Save** to save the settings.

Configure Bookmark for the Service

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP

Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint
 Access Internet Explorer FrontPage
 ERP Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Step 1. Click **Configure Bookmark** to bookmark the services which you want to allow to the group and the IP address or domain name of the specific service. The *Service Table* window appears.

https://192.168.1.1/edit_conbookmark.htm?owner=&bookmarktype=group&GROUP=&bmservice=1

Service Table			
<input type="checkbox"/>	Bookmark Name	Domain Name or IP Address	Bookmark Service
0 results found!			
<input style="border: 2px solid red;" type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	

Step 2. Click **Add** to add domain name or IP address and the services. A new row is added.

Service Table			
<input type="checkbox"/>	Bookmark Name	Domain Name or IP Address	Bookmark Service
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	Web (HTTP) ▼

Service Table			
<input type="checkbox"/>	Bookmark Name	Domain Name or IP Address	Bookmark Service
<input type="checkbox"/>	SERVICE1	192.168.1.2	Web (HTTP) ▼

Step 3. Enter a name for the bookmark in the Bookmark Name field.

Step 4. Enter an IP address or a domain name for the service in the Domain Name or IP Address field.

Step 5. Choose the appropriate service from the Bookmark Service drop-down list.

Step 6. Click **Save** to save the settings.

Add a Desktop Service for the Group

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint
 Access Internet Explorer FrontPage
 ERP Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Step 1. Check the appropriate check box to allow the desktop service for the group.

- RDP5 — Remote Desktop Protocol Client Enhancement (RDP5) is a new feature of RDP which is a secure proprietary protocol to remotely establish connection to any device to support advanced resource mapping and also to diagnose and resolve problems of the remote device.
- VNC — Virtual Network Computing (VNC) is a platform independent, remote desktop control system through the RFB Remote Frame Buffer Protocol. You can access the remote system from anywhere in the world through VNC.

Step 2. (Optional) To enable customized bookmarked services, check **Enable Customized Service Bookmark** check box. It provides flexibility to choose the domain for the users of the group as the users do not need to memorize the Domain Name or IP address and also the screen size.

Note: To know how to configure bookmark for the services refer to the *Configure Bookmark for the Desktop Service* section.

Step 3. Click **Save** to save the settings.

Configure Bookmark for the Desktop Service

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint
 Access Internet Explorer FrontPage
 ERP Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Step 1. Click **Configure Bookmark** to bookmark the services, screen size and its domain name or IP address which you want to allow to the group. The *My Desktop Table* window opens:

https://192.168.1.1/edit_conbookmark1.htm?owner=group_1&bookmarktype=group&GROUP=group_1&bmservice=

My Desktop Table				
<input type="checkbox"/>	Bookmark Name	Domain Name or IP Address	Bookmark Service	Screen Size
0 results found!				
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>				

Step 2. Click **Add** to add domain name or IP address, the services and screen size. A new row adds:

The screenshot shows a web form titled "My Desktop Table". It contains a table with four columns: "Bookmark Name", "Domain Name or IP Address", "Bookmark Service", and "Screen Size". The "Bookmark Name" field is empty. The "Domain Name or IP Address" field is empty. The "Bookmark Service" dropdown menu is set to "Terminal Services(RDP5)". The "Screen Size" dropdown menu is set to "640*480". Below the table are buttons for "Add", "Edit", and "Delete". At the bottom of the form are "Save" and "Cancel" buttons.

Bookmark Name	Domain Name or IP Address	Bookmark Service	Screen Size
		Terminal Services(RDP5)	640*480

The screenshot shows the same "My Desktop Table" form, but now the fields are filled. The "Bookmark Name" field contains "SERVICE2". The "Domain Name or IP Address" field contains "192.168.1.3". The "Bookmark Service" dropdown menu is set to "Virtual Network Computing". The "Screen Size" dropdown menu is set to "640*480". The "Add", "Edit", and "Delete" buttons are still present. The "Save" and "Cancel" buttons are also present at the bottom.

Bookmark Name	Domain Name or IP Address	Bookmark Service	Screen Size
SERVICE2	192.168.1.3	Virtual Network Computing	640*480

Step 3. Enter a name for the bookmark in the Bookmark Name field.

Step 4. Enter an IP address or a domain name for the service in the Domain Name or IP Address field.

Step 5. Choose the appropriate service from the Bookmark Service drop-down list.

Step 6. Choose appropriate screen size from the Screen Size drop-down list for the service.

Step 7. Click **Save** to save the settings.

Add a Terminal Service for the Group

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service:

<input type="checkbox"> Word</input>	<input checked="" type="checkbox"/> Excel	<input type="checkbox"/> PowerPoint
<input checked="" type="checkbox"/> Access	<input checked="" type="checkbox"/> Internet Explorer	<input type="checkbox"/> FrontPage
<input type="checkbox"/> ERP	<input type="checkbox"/> Resource_1	

Other: My Network Place
 Virtual Passage Split tunnel Full tunnel

Step 1. Check the appropriate check box to allow the terminal service for the group.

Step 2. Click **Save** to save the settings.

Add Other Service for the Group

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint
 Access Internet Explorer FrontPage
 ERP Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Step 1. Check the appropriate check box to allow the other service for the group.

- My Network Place — It represents to use Network Place
- Virtual Passage — It is used to transparently connect to the SSL VPN. If you want to transfer half of your you data through one VPN tunnel and half of your data through a different VPN tunnel, click Split VPN radio button. If you want to transfer all your traffic through one tunnel, click Full Tunnel.

Step 2. Click **Save** to save the settings.

Edit an Existing User Group

Group Management

SSL Status Table					
Group	Domain	User	Resource	Status	
<input checked="" type="radio"/> group_1	Default - Local Database	Details	Details	Enabled	
<input type="radio"/> group_5	1 - Active Directory	Details	Details	Enabled	
<input type="radio"/> All Users	Default - Local Database	Details	Details	Enabled	
<input type="radio"/> Supervisor	Default - Local Database	Details	Details	Disabled	
<input type="radio"/> Mobile User	Default - Local Database	Details	Details	Disabled	

Step 1. Click the specific radio button to choose the group which you want to edit from the SSL Status Table.

Step 2. Click **Edit** to edit. The *Group Management* page opens:

Group Management

UserGroup

Group Name:

Domain:

Enabled:

Session Idle Time: min

Resource Management

Service: Web Secure Web Telnet
 SSH FTP
 Enable Customized Service Bookmark

Desktop: RDP5 VNC
 Enable Customized Service Bookmark

Terminal Service: Word Excel PowerPoint
 Access Internet Explorer FrontPage
 ERP Resource_1

Other: My Network Place
 Virtual Passage Split tunnel
 Full tunnel

Step 3. Edit the necessary information. Follow the previous steps to edit the group.

Step 4. Click **Save** to save the settings.

Delete an Existing User Group

Group Management

SSL Status Table

Group	Domain	User	Resource	Status
<input checked="" type="radio"/> group_1	Default - Local Database	Details	Details	Enabled
<input type="radio"/> group_5	1 - Active Directory	Details	Details	Enabled
<input type="radio"/> All Users	Default - Local Database	Details	Details	Enabled
<input type="radio"/> Supervisor	Default - Local Database	Details	Details	Disabled
<input type="radio"/> Mobile User	Default - Local Database	Details	Details	Disabled

Step 1. Click the specific radio button to choose the group which you want to delete from the SSL Status Table.

Step 2. Click **Delete** to delete.