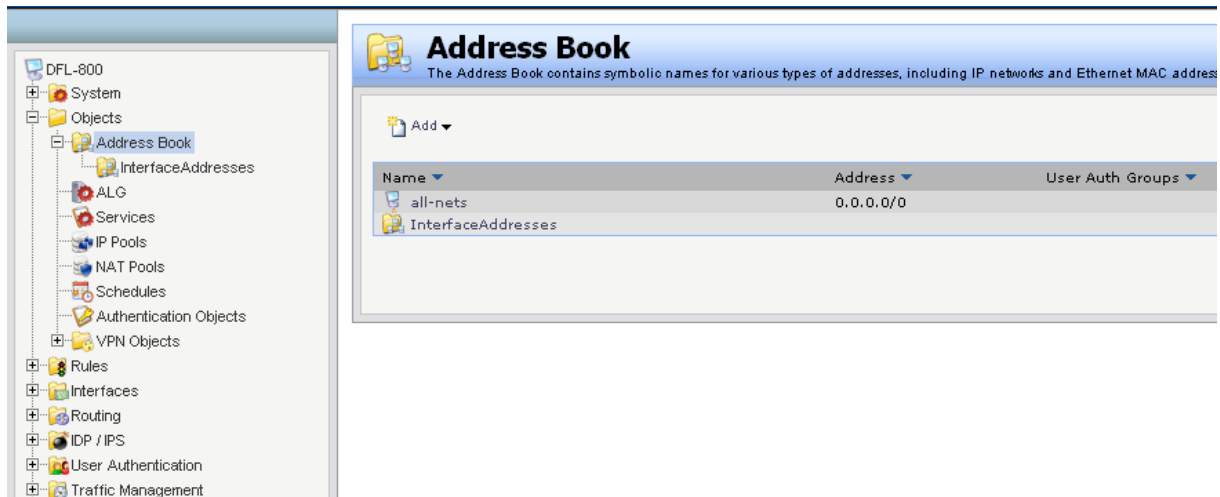


How do I configure the PPTP Server, of my DFL-210/800/1600, for remote users

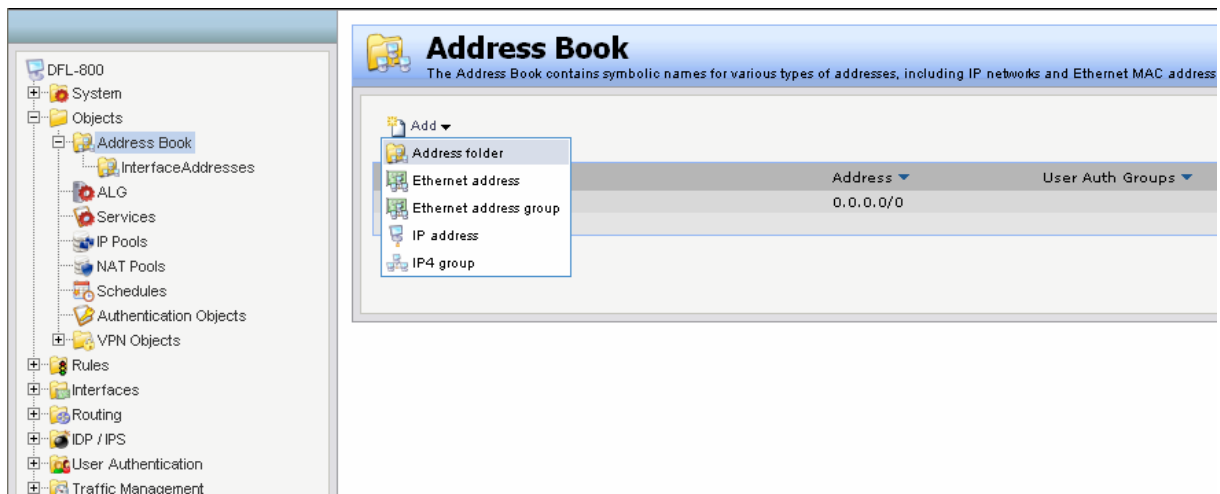
Configuration of DFL-210/800/1600

Step 1: Open the web browser and type the IP address of the router in the address bar (default is 192.168.1.1) and press **Enter**.

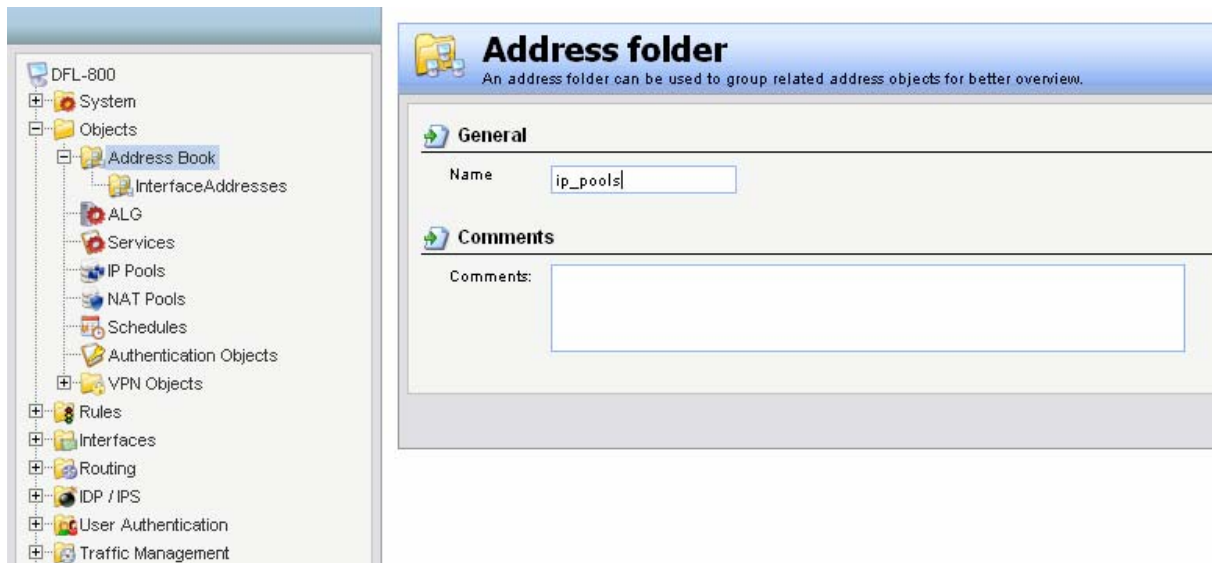
Step 2: Click the plus sign next to **Objects** and select **Address Book**.



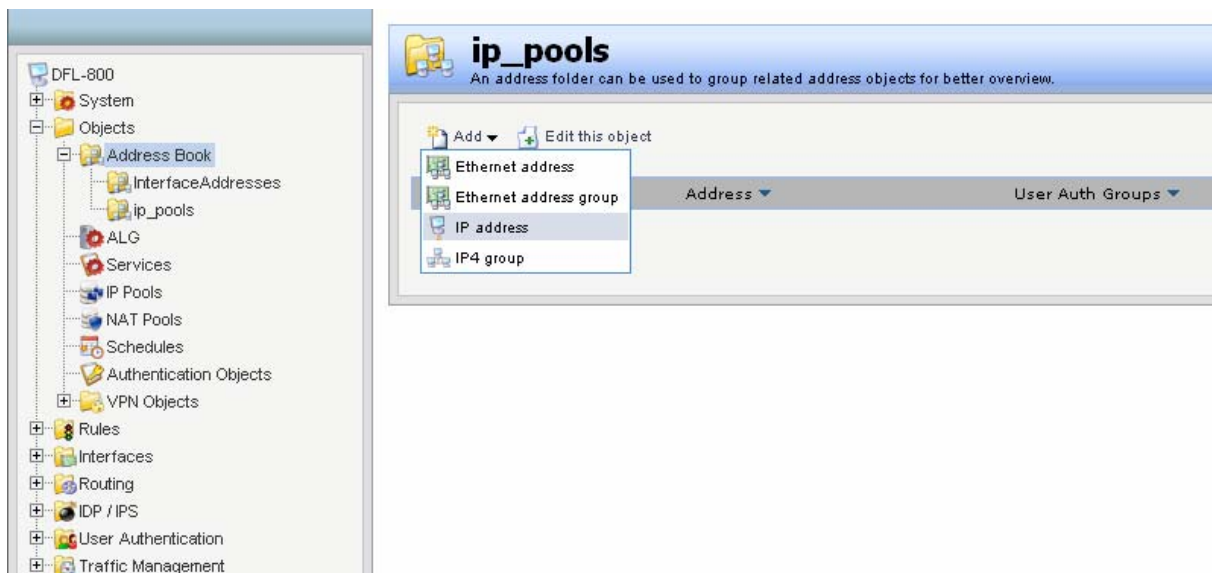
Step 3: Click **Add** and select **Address Folder** from the dropdown menu.



Step 4: Enter a name as desired (*ip_pools* in this example) and click **OK**.



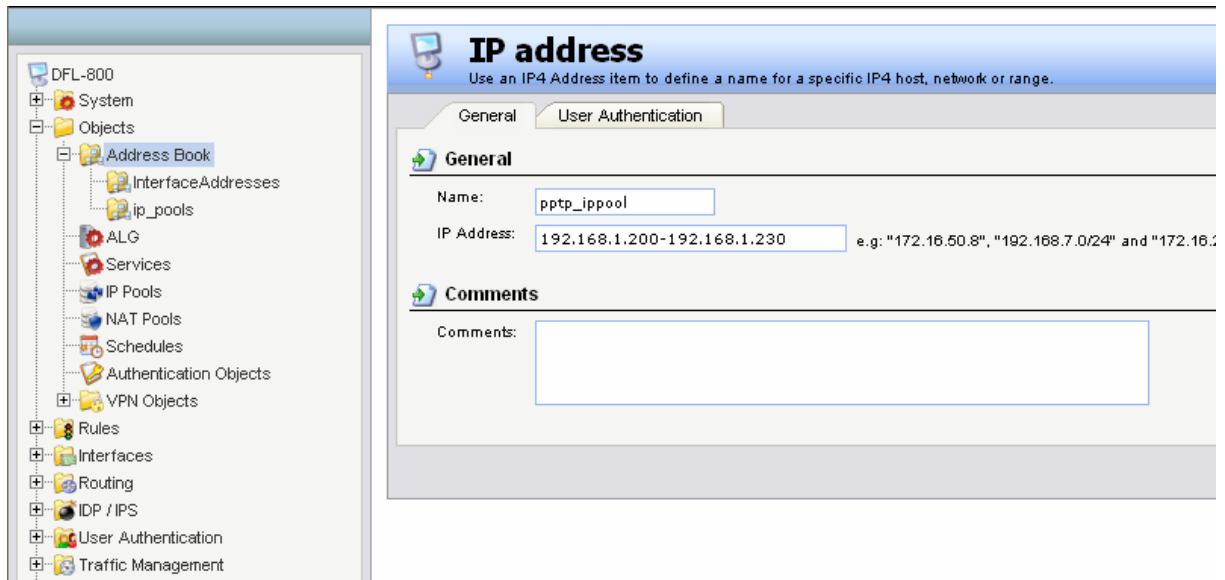
Step 5: Click **Add** and select **IP address** from the dropdown menu.



Step 6: Configure the *IP address* as followed:

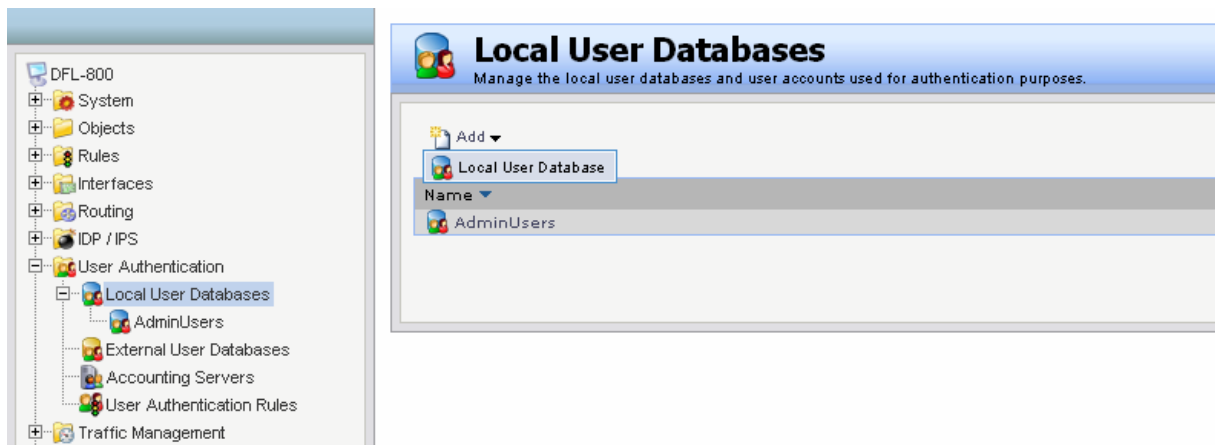
- **Name:** name as desired (*pptp_ippool* in this example)
- **IP Address:** assign range of IP (same net as lan and not in the DHCP range)

Click **OK**.

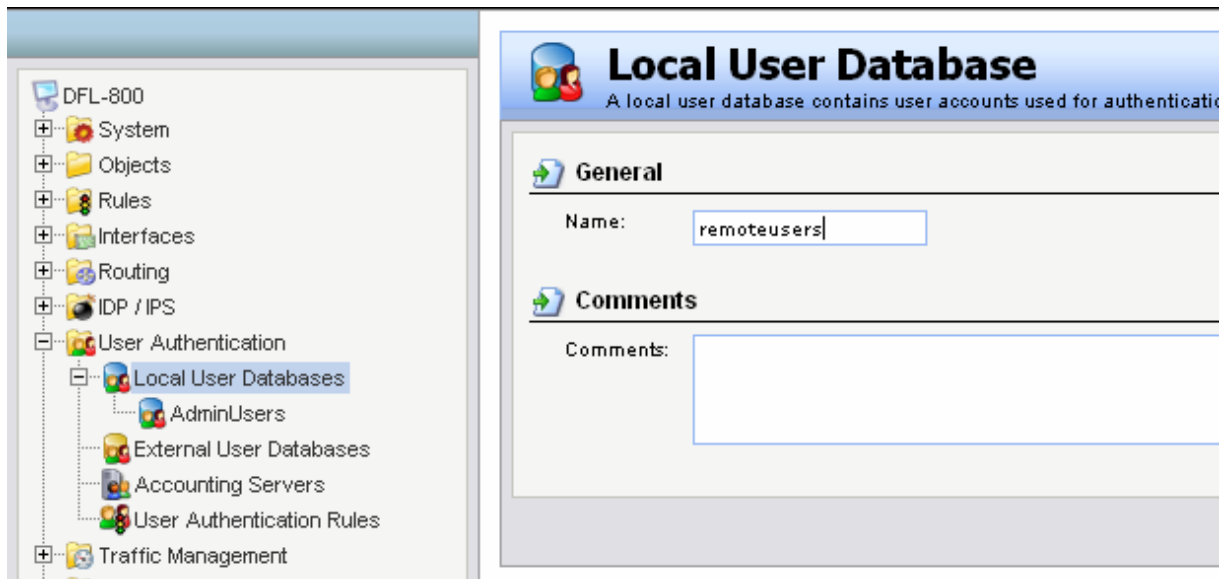


Step 7: Click on the plus sign next to **User Authentication** and select **Local User Databases**.

Step 8: Click **Add** and select **Local User Database** from the dropdown menu.



Step 9: Enter a name as desired (*remoteusers* in this example) and click **OK**.



Step 10: Click **Add** and select **User** from the dropdown menu.



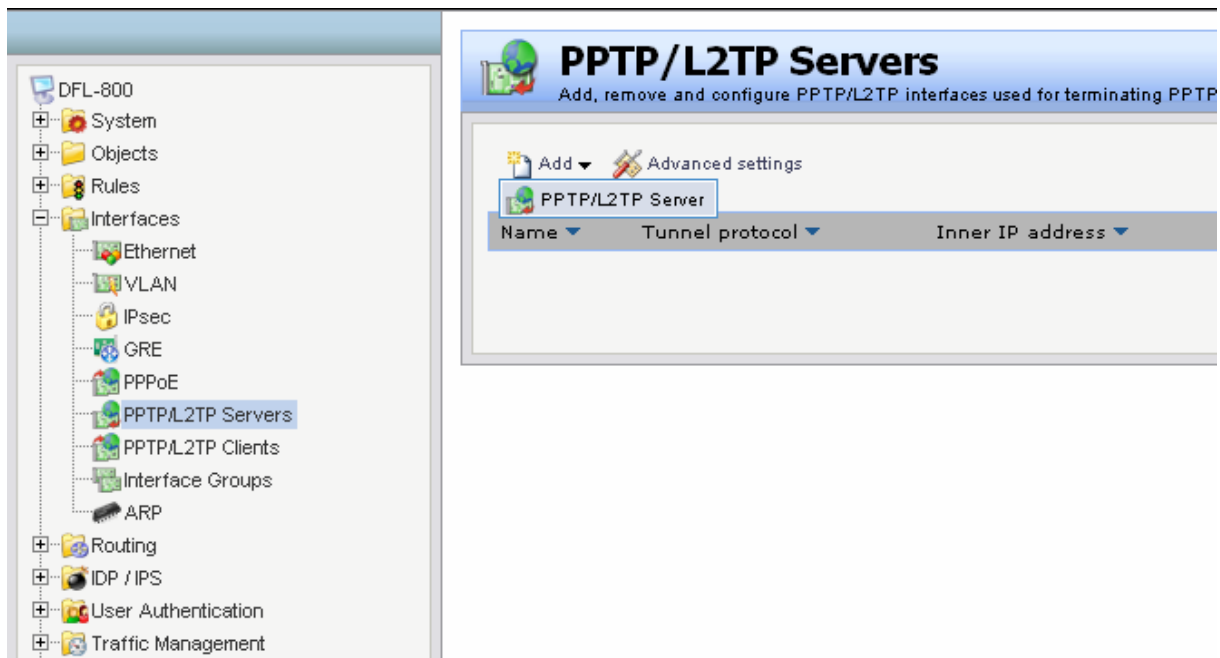
Step 11: Configure the *user* as followed:

- **Name:** test
- **Password:** 1234
- **Confirm Password:** 1234

Click **OK**.



Step 12: Click on the plus sign next to **Interfaces** and select **PPTP/L2TP Servers**.



Step 13: Click **Add** and select **PPTP/L2TP Servers**.

Step 14: Configure the *PPTP Server* as followed:

- **Name:** pptp_server
- **Inner IP address:** lan_ip
- **Tunnel Protocol:** PPTP
- **Outer Interface Filter:** wan
- **Server IP:** wan_ip

Note: If WAN is configured as **DSL** or **DHCP**, select “any” in the Outer Interface Filter and “ip_wan” in the Server IP.

If WAN is configured as **Static**, select “wan” in the Outer Interface Filter and “wan_ip” in the Server IP.

The screenshot shows the configuration interface for a PPTP/L2TP Server. On the left is a tree view of the system configuration, with 'PPTP/L2TP Servers' selected. The main panel is titled 'PPTP/L2TP Server' and has a subtitle 'A PPTP/L2TP server interface terminates PPP (Point to Point Protocol)'. It features three tabs: 'General', 'PPP Parameters', and 'Add Route'. The 'General' tab is active, showing the following configuration fields:

Name:	<input type="text" value="pptp_server"/>
Inner IP Address:	<input type="text" value="lan_ip"/>
Tunnel Protocol:	<input type="text" value="PPTP"/>
Outer Interface Filter:	<input type="text" value="wan1"/>
Server IP:	<input type="text" value="wan1_ip"/>

Below the configuration fields is a 'Comments' section with a text area for notes.

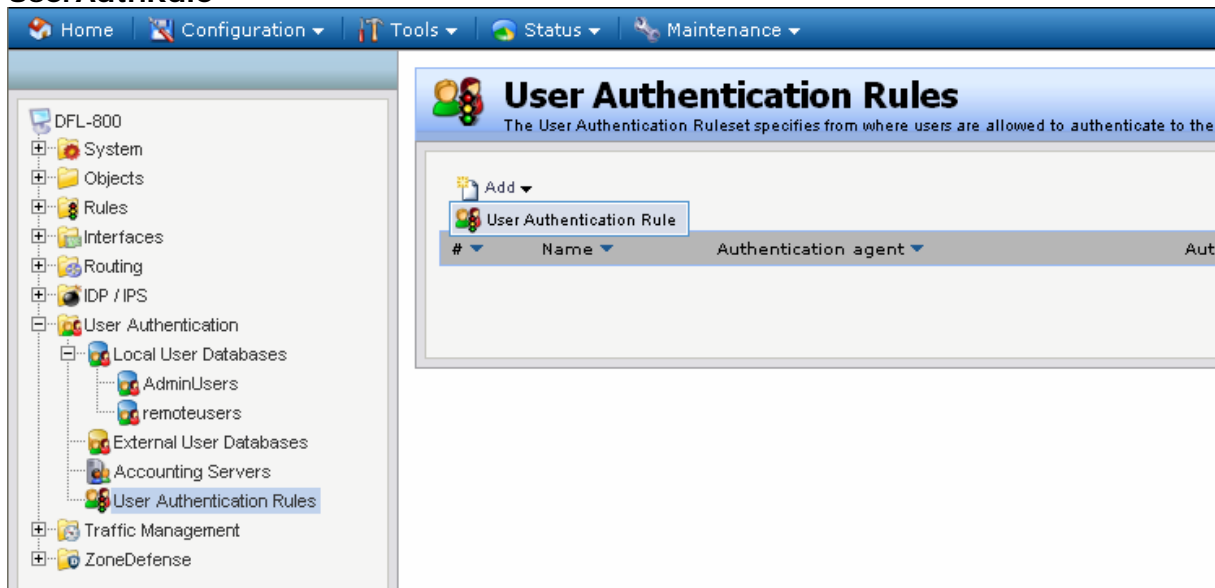
Step 15: Click **PPP Parameters** tab and in IP Pool and select **pptp_ippool** from the dropdown menu. Click **OK**.

The screenshot shows the configuration interface for a PPTP/L2TP Server. The left sidebar displays a tree view of the system configuration, with 'PPTP/L2TP Servers' selected. The main panel is titled 'PPTP/L2TP Server' and has three tabs: 'General', 'PPP Parameters', and 'Add Route'. The 'PPP Parameters' tab is active. Under the 'General' section, there is a checkbox for 'Use User Authentication Rules' which is checked. The 'Microsoft Point-to-Point Encryption (MPPE)' section has four checkboxes: 'None', 'RC4 40 bit', 'RC4 56 bit', and 'RC4 128 bit', all of which are checked. The 'IP Pool' section has a dropdown menu for 'IP Pool' set to 'pptp_ippool'. Below this, there are two columns for 'DNS' and 'NBNS', each with 'Primary' and 'Secondary' sub-sections, all set to '(None)'.

Step 16: Click **Add Route** tab and in Proxy ARP move **LAN** from available to selected. Click **OK**.

The screenshot shows the configuration interface for a PPTP/L2TP Server, now with the 'Add Route' tab selected. The 'Filter' section has a dropdown for 'Allowed Networks' set to 'all-nets'. The 'Proxy ARP' section has a label 'Interface to ARP publish the added route on.' Below this are two list boxes: 'Available' containing 'dmz', 'wan1', and 'wan2'; and 'Selected' containing 'lan'. There are '>>' and '<<' buttons between the lists. At the bottom, there is a checkbox labeled 'Always select ALL interfaces, including new ones.' which is currently unchecked.

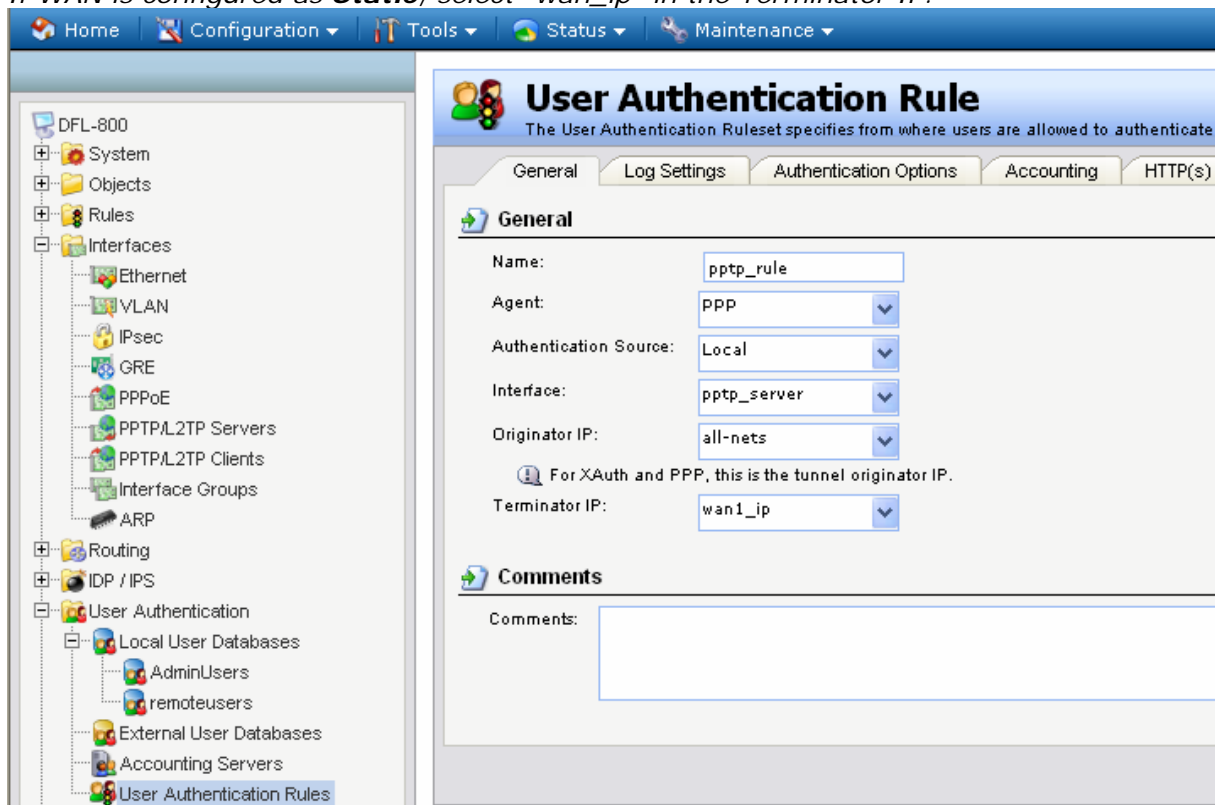
Step 17: Click on **User Authentication** and **User Authentication rules**. Click on **Add UserAuthRule**



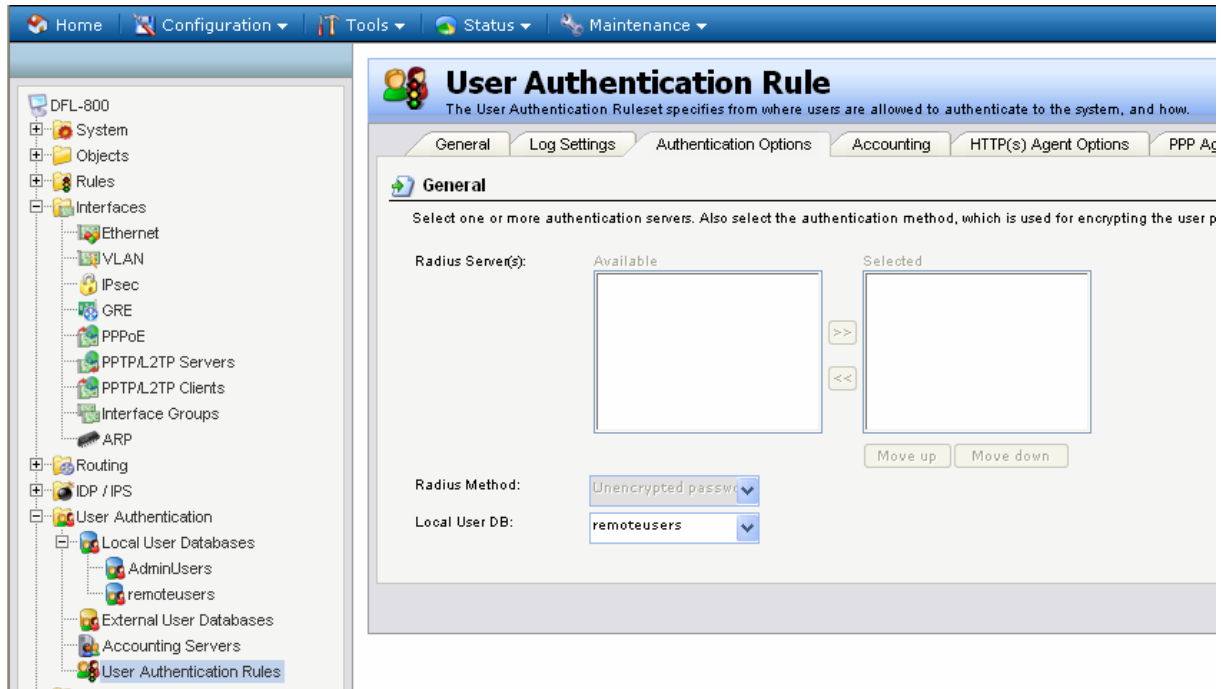
Step 18: Configure **UserAuthRule** as followed:

- **Name:** pptp_rule
- **Agent:** PPP
- **Authentication Source:** local
- **Interface:** pptp_server (the pptp server created in step 14)
- **Originator IP:** all-nets
- **Terminator IP:** wan_ip

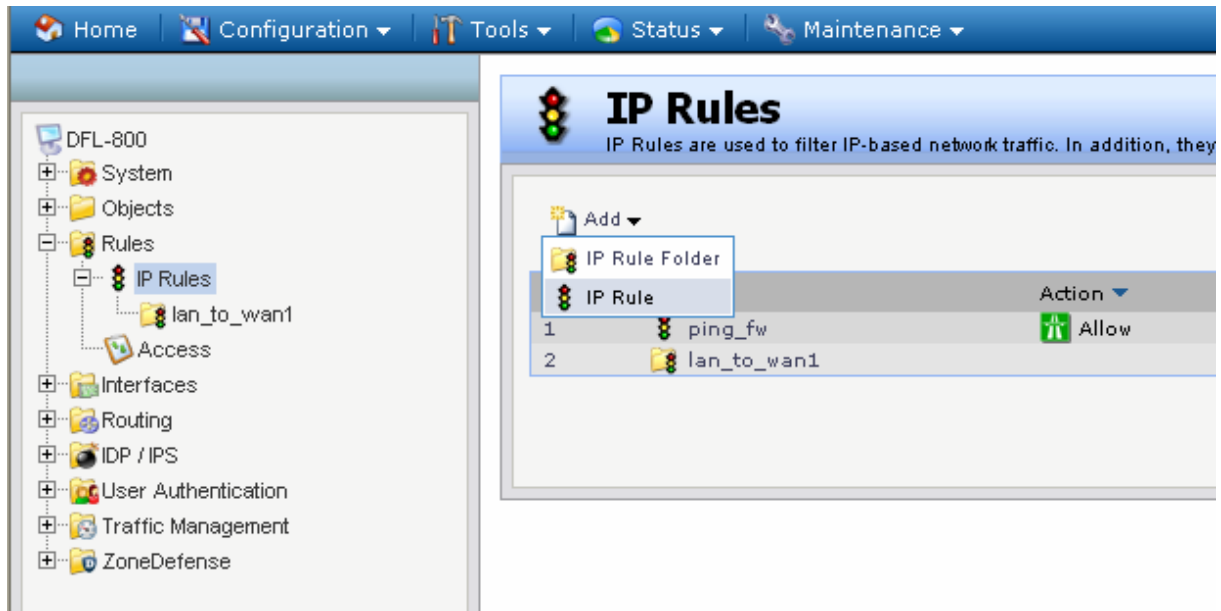
Note If WAN is configured as **DSL** or **DHCP**, select "ip_wan" in the Terminator IP.
If WAN is configured as **Static**, select "wan_ip" in the Terminator IP.



Step 19: Select the **Authentication Options** tab and select **remoteusers** (created in step 9) from the **Local User DB** dropdown menu. Click **OK**.



Step 20: Click on the plus sign next to **Rules** and select **IP Rules**. Click **Add** and select **IP Rule** from the dropdown menu.



Step 21: Configure the *IP Rule* as followed:

The screenshot shows the configuration page for an IP Rule. The left sidebar displays a tree structure with 'IP Rules' selected. The main content area is titled 'IP Rule' and includes a description: 'An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.' The 'General' tab is selected, showing the following configuration:

- Name:** fromPPTPclients
- Action:** Allow
- Service:** all_services
- Schedule:** (None)

The 'Address Filter' section is also visible, with the following settings:

	Source	Destination
Interface:	pptp_server	lan
Network:	pptp_ipool	lannet

At the bottom, there is a 'Comments' section with a text input field.

- **Name:** fromPPTPclients
- **Action:** Allow
- **Service:** all_services
- **Schedule:** None
- **Source interface:** pptp_server
- **Source network:** pptp_ipool
- **Destination interface:** lan
- **Destination network:** lannet

Click **OK**.

Step 22: Click **Add** and select **IP Rule**. Configure the *IP Rule* as followed:

IP Rule
An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

General | Log Settings | NAT | SAT | SAT SLB | Multiplex SAT

General

Name: toPPTclients
Action: Allow
Service: all_services
Schedule: (None)

Address Filter

Specify source interface and source network, together with destination interface and destination network. All parameters are required.

Source | Destination
Interface: lan | pptp_server
Network: lannet | pptp_ipool

Comments

- **Name:** toPPTclients
- **Action:** Allow
- **Service:** all_services
- **Schedule:** None
- **Source interface:** lan
- **Source network:** lannet
- **Destination interface:** pptp_server
- **Destination network:** pptp_ipool

Click **OK**.

Step 23: Click **Configuration** and select **Save and Activate**. Click **OK** to save and activate changes.

Home | Configuration | Tools | Status | Maintenance

Save and Activate
Discard Changes
View Changes

IP Rules
IP Rules are used to filter IP-based network traffic. In a...

Add

#	Name	Action
1	ping_fw	Allow
2	lan_to_wan1	Allow
3	fromPPTclients	Allow
4	toPPTclients	Allow