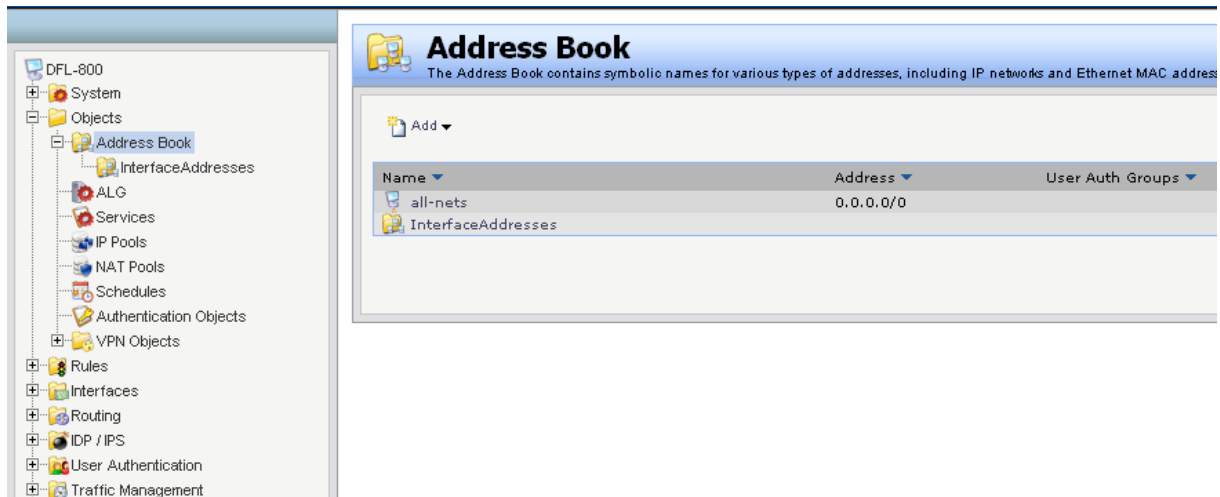**How do I configure the PPTP Server, of my DFL-210/800/1600, for remote users**
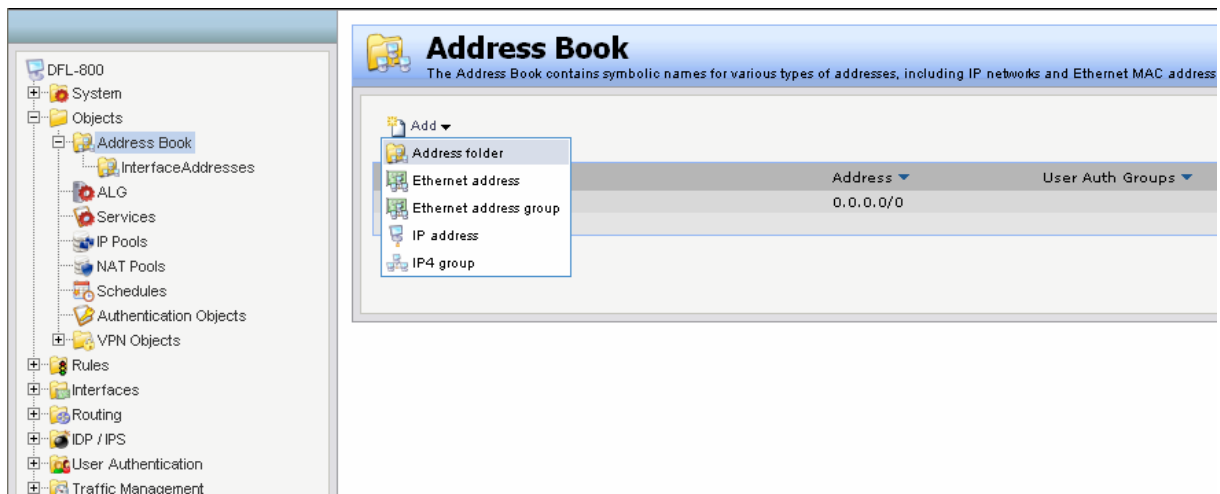
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Configuration of DFL-210/800/1600

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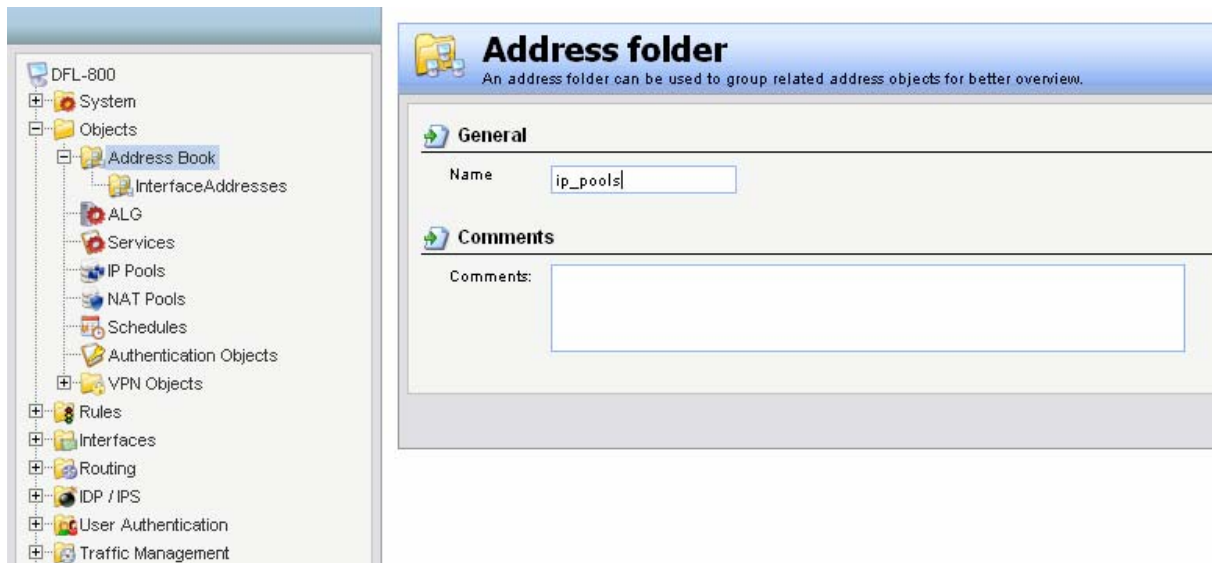
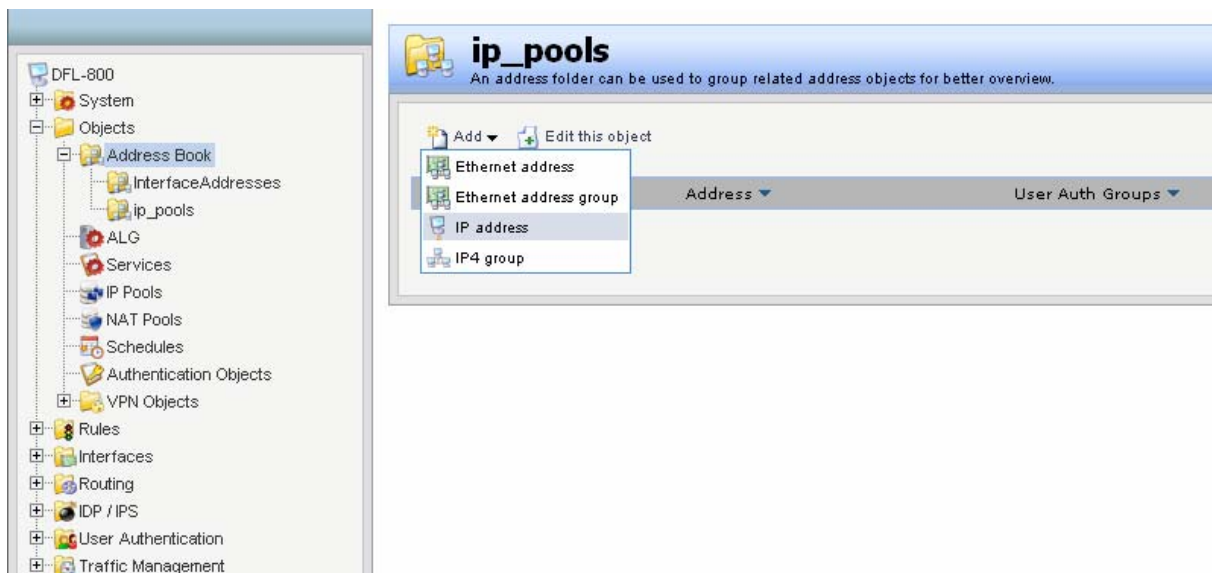**Step 2:** Click the plus sign next to **Objects** and select **Address Book**.

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

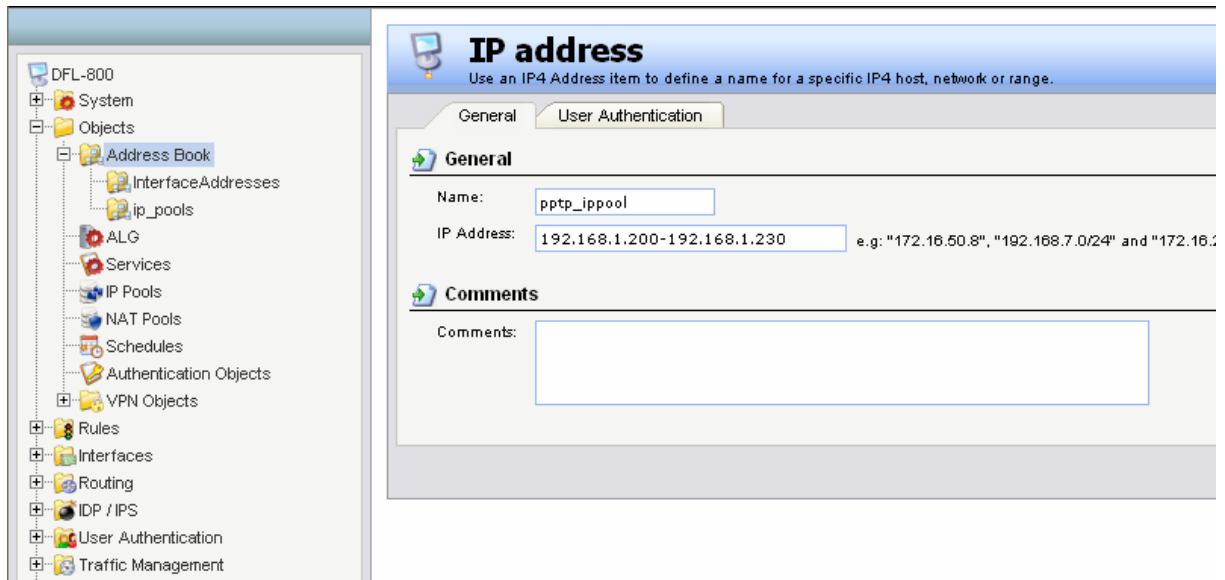**Step 4:** Enter a name as desired (*ip_pools* in this example) and click **OK**.

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

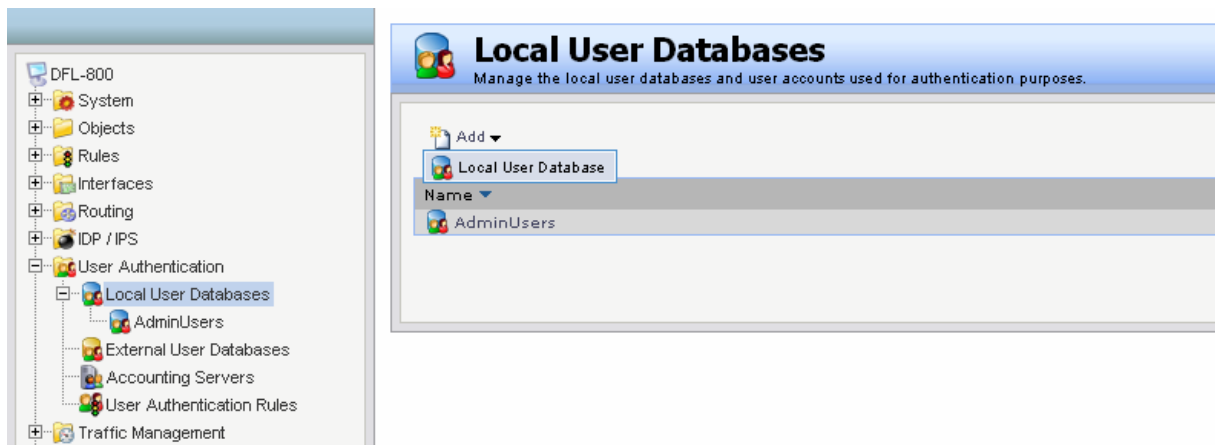**Step 6:** Configure the *IP address* as followed:

- **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)
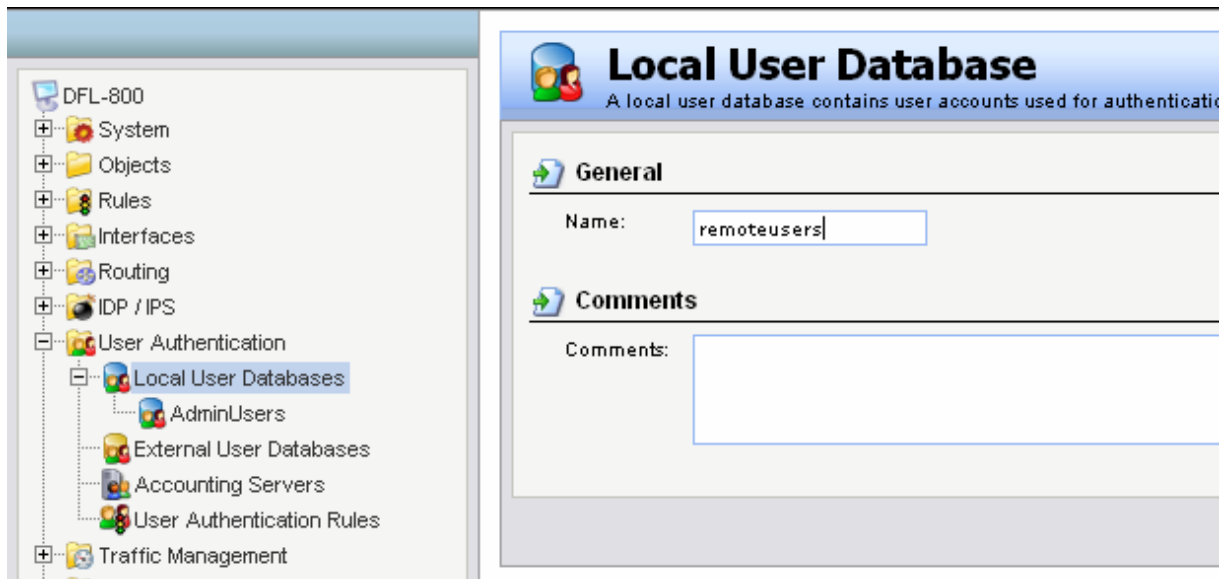
Click **OK**.

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.
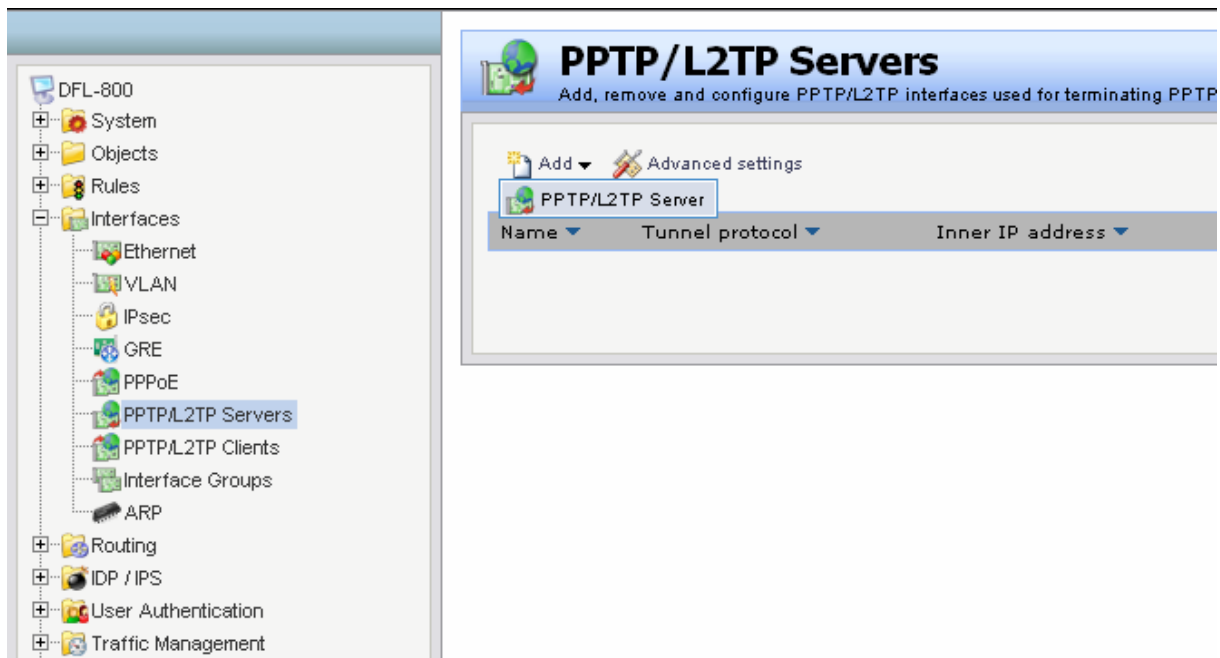
Step 11: Configure the *user* as followed:

- **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.*

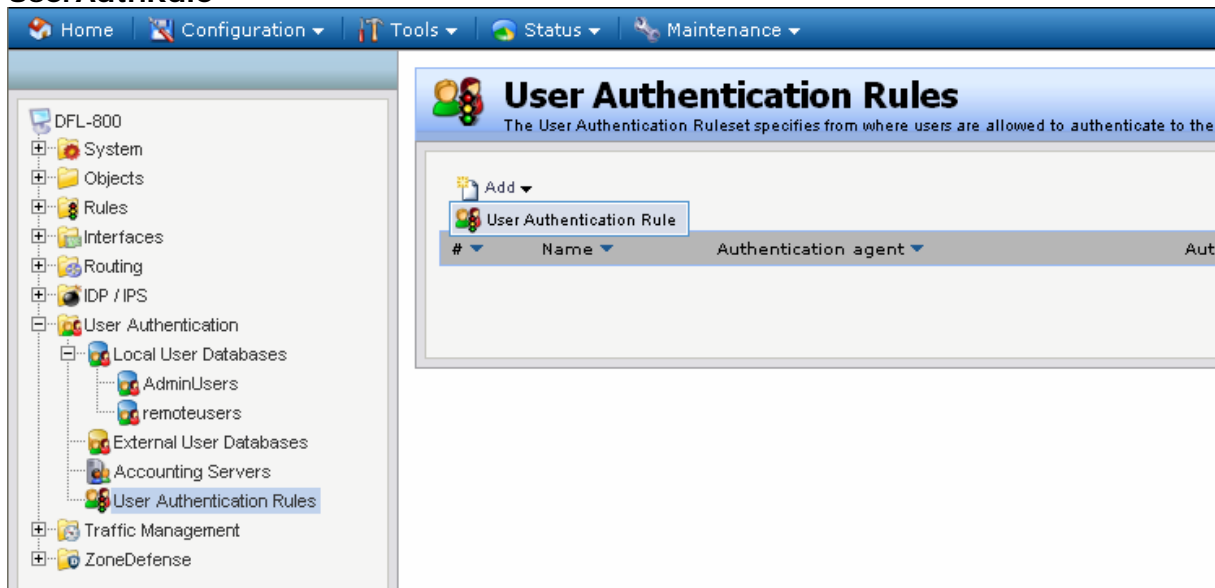**Step 15:** Click **PPP Parameters** tab and in IP Pool and select **pptp_ippool** from the dropdown menu. Click **OK**.

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

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.*
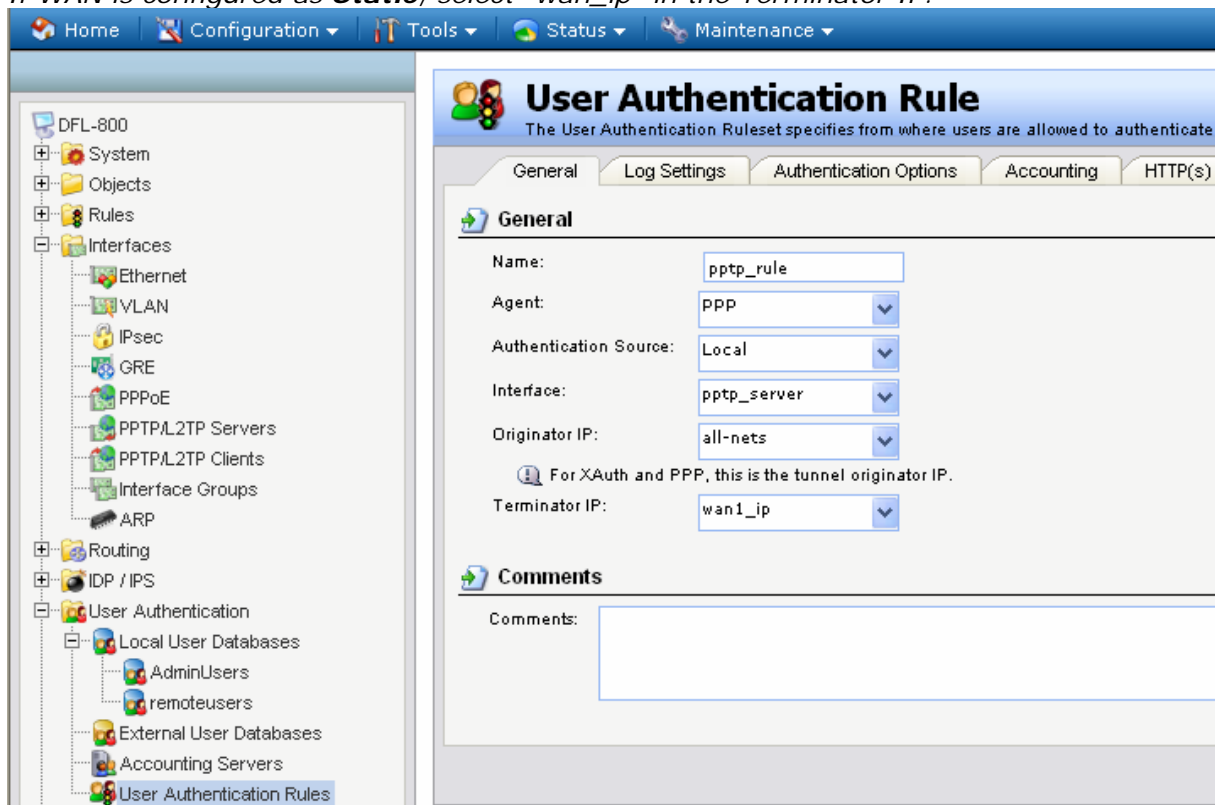
Step 19: Select the **Authentication Options** tab and select **remoteusers** (created in step 9) from the **Local User DB** dropdown menu. Click **OK**.
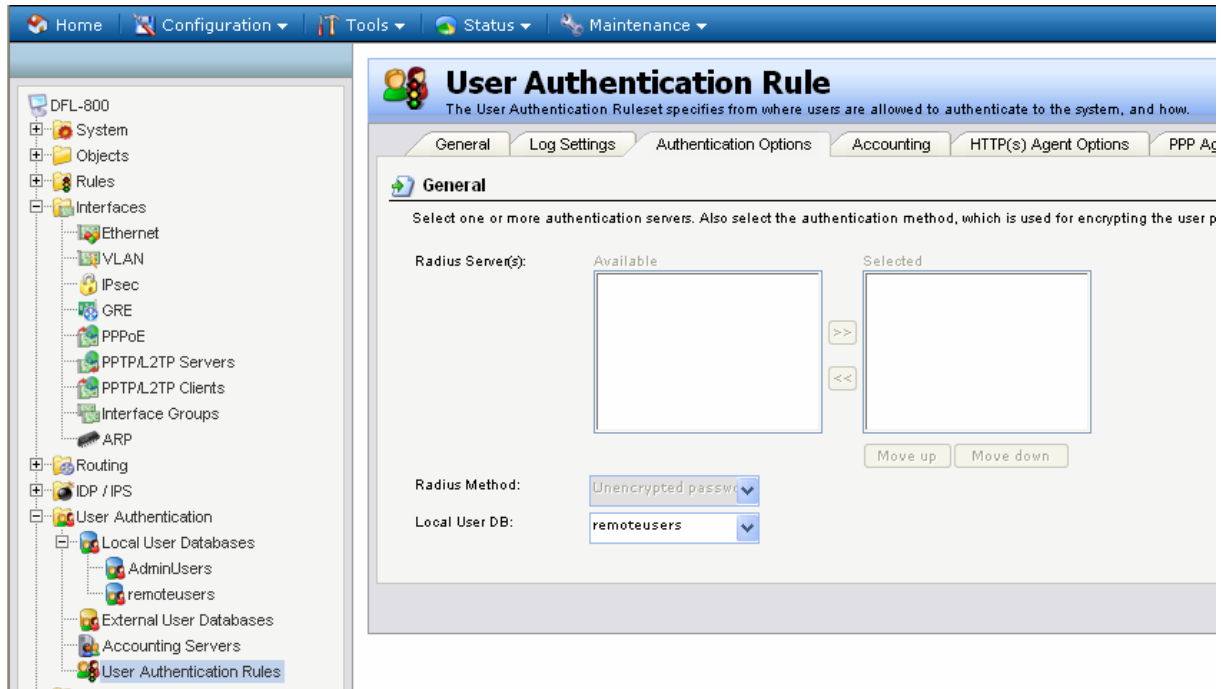
Step 20: Click on the plus sign next to **Rules** and select **IP Rules** Click **Add** and select **IP Rule** from the dropdown menu.
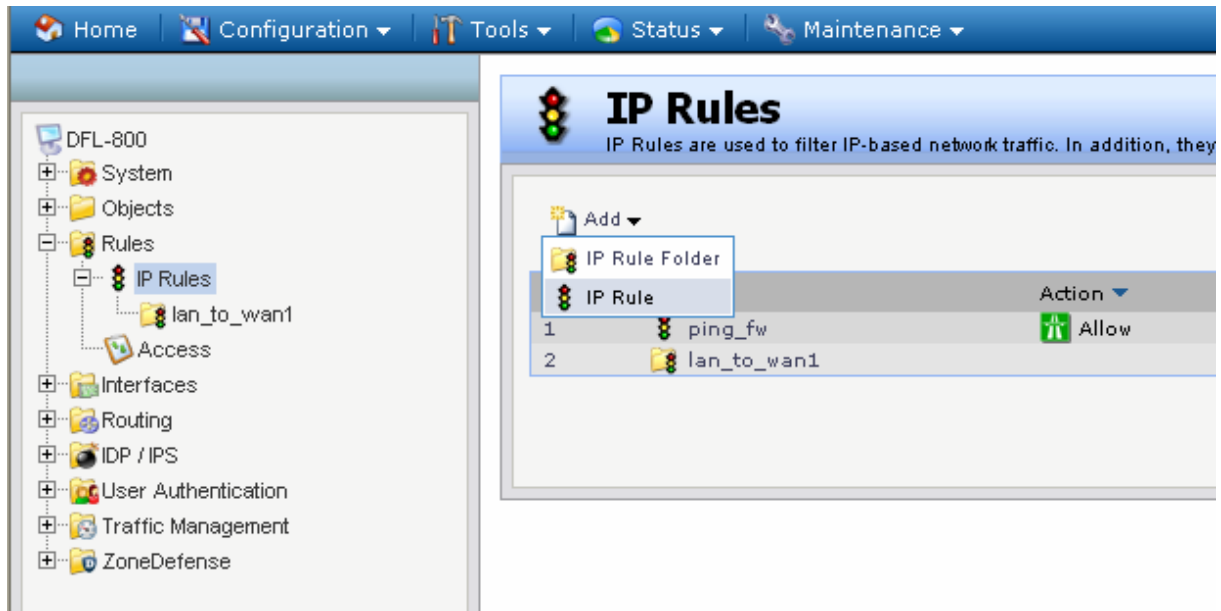
Step 21: Configure the *IP Rule* as followed:

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

Click **OK**.

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

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

Click **OK**.

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