

How to configure PPTP on your firewall

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You can create PPTP connections to allow remote users to connect to connect using the windows PPTP client. You can also provide local user authentication via username and password

To configure PPTP on your firewall, follow the steps mentioned below:

1. **Configure PPTP options.**
2. **Add VPN User.**
3. **Create rule for VPN.**
4. **Restart PPTP.**

PPTP CONFIGURATION

The screenshot shows the 'Add PPTP Server Setting' form in the GAJSHIELD interface. The form includes the following fields:

- Server Name: pptp
- IP Range: 192.168.20.250-253 (with a tooltip example: [Eq.192.168.2.61-70])
- Local LAN IP: 192.168.20.36
- Authentication Type: Local
- DNS Server (Optional): Primary DNS Server: 8.8.8.8, Secondary DNS Server: 4.2.2.2
- WINS Server (Optional): Primary WINS Server: , Secondary WINS Server:

Buttons for 'Save' and 'Cancel' are located at the bottom of the form.

In above configuration, you have to specify the name for the PPTP server and in second field you need to specify IP address range. Whenever user will connect to the VPN server they will get the IP address from the defined IP range.

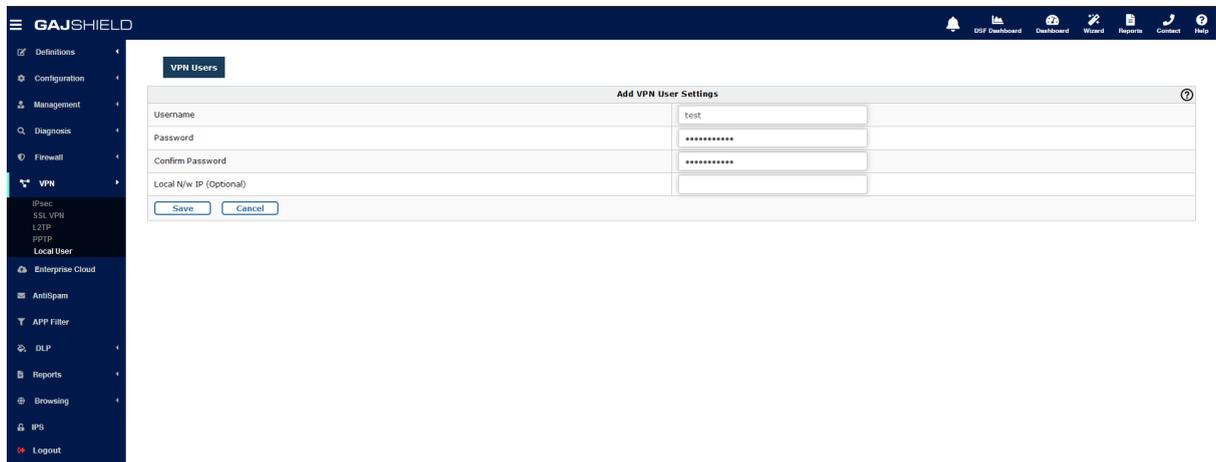
In third tab you can specify the LAN IP of firewall and in authentication type you can use local, Radius, Ldap, Tacacs+

If you want to select local authentication then you need to create VPN users for the same on the firewall.

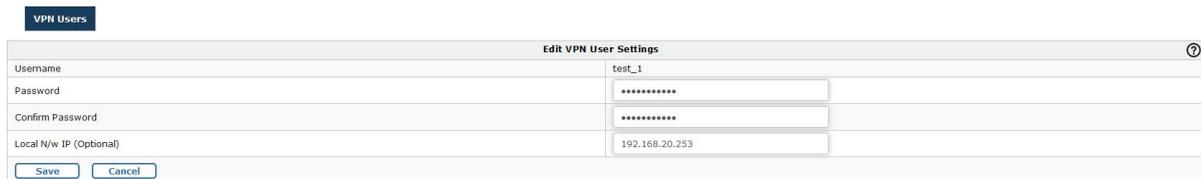
The screenshot shows the 'PPTP Server Setting' configuration page with a table displaying the configured settings:

Server Name	IP Range	Local LAN IP	Authentication Type	Primary DNS Server	Secondary DNS Server	Primary WINS Server	Secondary WINS Server	Tasks
pptp	192.168.20.250-253	192.168.20.36	Local	8.8.8.8	4.2.2.2			 

VPN User Configuration



You can assign any free IP from IP-range allocate for VPN users or you can leave it blank, VPN server will assign IP to user automatically from the IP pool defined in PPTP server configuration.



<input type="checkbox"/>	6	IPv4	Aircel to Aircel	Internet	fwip-Aircel	PPTP-VPN	-	accept	AllTime	-	[Settings] [Delete] [Refresh]
<input type="checkbox"/>	7	IPv4	Any to Any	pptuser	fwmet-LAN	Any	-	accept	AllTime	-	[Settings] [Delete] [Refresh]

Here, the 1st rule is created for VPN server access and the rest of the rules are for accessing internal network.

The screenshot shows a web browser window titled "Gajshield: Web based Administration and Management Tool - Chromium". The address bar shows a URL starting with "https://192.168.20.36/cgi-bin/confhosts.cgi?uname=4153&show=one&hostname=pptpuser&rule_id=u799894". A modal window is open with the following table:

Host Range name	Start IP	End IP
pptpuser	192.168.20.250	192.168.20.253

Below the modal window, a table of firewall rules is visible. Two rules are highlighted with red arrows:

- Rule 6: Connectivity. Action: Accept. Time: AllTime.
- Rule 7: Access. Action: Accept. Time: AllTime.

Restart PPTP Server

The screenshot shows the "PPTP Server Setting" page. There are two tabs: "PPTP Server Setting" and "Restart PPTP Server". The "Restart PPTP Server" tab is active. Below the tabs, there is a section titled "PPTP Options" with a status message: "PPTP Server is running.".

Restart the PPTP server by clicking on ☺ icon.

You have successfully configured PPTP server on your firewall.