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.

	🔁 Address Book		
UFL-800	The Address Book contains sym	bolic names for various types of addresses, including IP n	etworks and Ethernet MAC addres
🗄 🙍 System			
	💾 Add 🔫		
E Address Book			
	Name 🔻	Address 🔻	User Auth Groups 🔻
ALG	😼 all-nets	0.0.0/0	
Services	🙀 InterfaceAddresses		
IP Pools			
····· 🍏 NAT Pools			
Schedules			
🗄 🙀 VPN Objects			
🗄 🖓 🙀 Rules			
🗄 🔂 Interfaces			
🗄 🖓 Routing			
🗄 📷 IDP / IPS			
E			
E Traffic Management			

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

	闷 Address Book		
SDFL-800	The Address Book contains symbolic nam	es for various types of addresses, including IP n	etworks and Ethernet MAC address
Colored System C	Add - Add - Address folder Ethernet address Ethernet address group IP address IP4 group	Address ▼ 0.0.0.0/0	User Auth Groups 💌

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

UFL-800 UF-1 → System UF-1 → Objects	Address folder An address folder can be used to group related address objects for better overview.
Address Book Address Book Addresses ALG Services	Name ip_pools
MAT Pools MAT Pools Schedules We Authentication Objects	Comments:
E - G Rules ⊡ - G Interfaces	
Conting Conting Continue Co	

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

User Auth Groups 🔻

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.

DFL-800	IP address Use an IP4 Address item to define a name for a specific IP4 host, network or range.
	General User Authentication
Address Book	🕣 General
	Name: pptp_ippool
	IP Address: 192.168.1.200-192.168.1.230 e.g: "172.16.50.8", "192.168.7.0/24" and "172.16.5
- grip Pools	n Somments
MAT Pools	Comments:
Authentication Objects	
E 🙀 VPN Objects	
± 🥞 Rules	
⊞ 🔂 Interfaces	
E Souting	
E (DP / IPS	
Generation	
🗄 😳 Traffic Management	

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.

DFL-800 	Add - Namae the local user databases and user accounts used for authentication purposes.
⊞… 🕞 Rules ⊞… 🔂 Interfaces	🙀 Local User Database
±	Name Administration
🗄 🖓 📷 IDP / IPS	Adminosers
🗄 🔯 User Authentication	
🖻 🖓 🔂 Local User Databases	
Ser Authentication Rules	
🗄 🕞 Traffic Management	

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

	🔂 Local User Database
Gruetor	A local user database contains user accounts used for authentication
D Objecte	
	A general
🕂 📲 🥵 Rules	Name
🗄 🕀 🔂 Interfaces	remoteusers
🗄 🗟 Routing	
🗄 📲 📷 IDP / IPS	Comments
	Comments:
🖃 🔂 Local User Databases	
🔤 🔂 External User Databases	
- Accounting Servers	
🗄 🖓 Traffic Management	

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

Groups 🔻	IP Pool 🔻

Step 11: Configure the *user* as followed:

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

Click OK.

E 🤪 Objects	General SS	H Public Key	
B 🙀 Rules	🔊 General		
Brigginterfaces Briggi Routing	Username:	test	
B- 🐻 IDP / IPS	Password:	••••	
	Confirm Password:	••••	
AdminUsers	Groups:		
Remoteusers			
Accounting Servers		🕕 Comma separate	d list of groups
		Users that are membe	ers of the 'administrators' group are allowed to -

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

DFL-800 	Add - Advanced settings	'EI'S TP interfaces used for terminating PPTP
Emilia Interfaces	PPTP/L2TP Server	
- We Ethernet	Name 🔻 Tunnel protocol 🔻	Inner IP address 🔻
100 VLAN		
PPPoE		
PPTP/L2TP Servers		
PPTP/L2TP Clients		
Interface Groups		
ARP		
E		
🗄 🧰 The second		
Emilia Irattic Management		

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.

DFL-800 ⊞⊶ <mark>ios</mark> System ⊞⊶ios Objects	A PPTP/L2 General PPP Par	TP Server r interface terminates PPP (Poin rameters Add Route	nt to Point Protocol)
E Rules	🔊 General		
⊡interfaces 	Name:	pptp_server]
	Inner IP Address:	lan_ip 🔽 🗸	
	Tunnel Protocol:	РРТР 💌	
PPPOE	Outer Interface Filter:	wan1 🗸	
PPTP/L2TP Servers PPTP/L2TP Clients	Server IP:	wan1_ip 🗸 🗸	
	Oomments		
E Souting	Comments:		
EIm DP / IPS			
Traffic Management			

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

Brief System General PPP Parameters Add Route Ceneral PPP Parameters Add Route Ceneral Second Se	
Objects Objects General	
→ General	
Specify if User Authentication Rules are to be used, and the encryption strengths allowed. Also specify if User Authentication Rules are to be used, and the encryption strengths allowed. Also specify	ecify th
Use User Authentication Rules	
Microsoft Point to Point Encryption (MDDE)	
None None	
RC440 bit	
🛱 Interfaces 🌒 🎒 IP Pool	
IR Pool:	
Primary Secondary	
PPPoE (None)	
NBNS: (None)	
PPTP/L2TP Clients	
Interface Groups	
ARP	

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

	PPTP/L2TP Server
😨 DFL-800	A PPTP/L2TP server interface terminates PPP (Point to Point Protocol) tunnels set up ov
🗄 🗑 System	Ceneral DDD Perameters Add Poute
🖻 😳 Objects	
🖻 🙀 Address Book	🔊 Filter
InterfaceAddresses	Restricts networks for which routes may automatically be added.
	Allowed Networks: all-nets
Services	
	A Provy ARD
Schedules	Interface to ARP publish the added route on.
	Available Colored
🗄 🙀 VPN Objects	dm2
🗄 🖓 Rules	wan1
🛱 🖓 Interfaces	wan2
Ethernet	
🔤 VLAN	
😚 IPsec	
😭 PPPoE	
PPTP/L2TP Servers	Always select ALL interfaces, including new ones.
PPTP/L2TP Clients	
ARP	

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.

🗟 DFL-800	User Aut	henticati tion Ruleset specifie	on Rule s from where use	ers are allowed to authenticate
🕀 🍺 System	General Log Set		ation Ontions	Accoupting HTTP(s)
⊞ 📁 Objects			cation options	Accounting (1111 (3)
🕀 📲 🥵 Rules	🚽 Đ General			
⊡ 🔂 Interfaces	Name:	pptp_rule		
	Agent:	PPP	~	
	Authentication Source:	Local	~	
PPPoE	Interface:	pptp_server	~	
PPTP/L2TP Servers	Originator IP:	all-nets	~	
PPTP/L2TP Clients	For XAuth and PPP, this is the tunnel originator IP.			
ARD	Terminator IP:	wan1_ip	~	
E Souting				
E → IDP / IPS	🔊 Comments			
🖻 🙀 User Authentication	Comments:			
🖻 🔂 Local User Databases				
AdminUsers				
remoteusers				
External User Databases				
Accounting Servers				
User Authentication Rules				

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

😚 Home 🛛 📉 Configuration 🗸 🗌	👔 Tools 🗸 🛛 👩 Status 🗸 🕛	Naintenance 🗸			
DFL-800 DFL-800 DF- System De- Objects DF- Rules	General Log	Seneral General General General			
Ethernet	Select one or more au	Select one or more authentication servers. Also select the authentication method, which is used for encrypting the user p			
- WLAN - G IPsec - S GRE - S PPPoE - P PTP/L2TP Servers - P PTP/L2TP Clients - M Interface Groups - M P	Radius Server(s):	Available Selected			
E G Routing E G IDP / IPS	Radius Method:	Unencrypted passwe			
Wer Authentication Constant User Databases Constant User Databases Constant Users Constant Const	Local User DB:	remoteusers			
- Content Cont					

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

😙 Home 🛛 📉 Configuration 🗸 🕴 👬 To	ols 👻 📔 💁 Status 👻 🛛 🔩 Maintenance 👻	
DFL-800 DFL-800 Dbjects Dbj	EP Rules IP Rules are used to filter IP-based network Provide Add IP Rule Folder IP Rule IP RUE IP	ork traffic. In addition, they Action ▼ m Allow

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

- 🈚 Home 🚽 🔣 Configuratio	n 🗸 👔 Tools 👻 📔 👩 Stati	us 👻 🛛 🔩 Maintenance 👻	
DFL-300 DFL-300 DFL-300 Dejects Dej	Reference interface: Network:	Rule Respectives what action to perform on network traffic that matche Log Settings NAT SAT SAT SLB Multi fromPPTPclients Allow all_services (None) Filter e interface and source network, together with destination interface Source pptp_ippool Ian	s the specified filter oriteria. plex SAT
	Comments:	s	

- **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.

🍫 Home 💧	🔣 Configuration 🗸	🗌 🚹 То	ols 👻 🕴 🥃	🖌 Status 🗸	🔌 Maintenance 🗸	
	🗟 Save and Activate					
	😡 Discard Changes	_	8	IP Rule	25	
🗟 DFL-800	🛃 View Changes		•	P Rules are us	ed to filter IP-based net	work traffic. In a
🛨 😳 System	<u>ا</u>					
🗄 🗄 📁 🎾 Object:	S		PA 🐴	d 🛨		
🗄 📴 🧱 Rules						
🖻 🕆 🍍 📭 F	Rules		# 👻	Name 🔻		Action 🔻
	lan_to_wan1		1	🚦 ping_fw		🟦 Allow
Aci	cess		2	📴 lan_to_	wan1	_
🗄 🗄 Interfac	ces		3	🚦 from PP	TPclients	🟦 Allow
🗄 🗄 🤯 Routing	3		4	🚦 toPPTP	dients	🟦 Allow
🗄 🗄 🖓 🚺 DP / IP:	S					
🗄 🗄 🔯 User A	uthentication					
🗄 🗄 🔀 Traffic	Management					
🗄 🗄 🖓 🚺 ZoneDe	efense					