Note: DIR-130 FW: 1.21

This setup example uses the following network settings:



Configuration of DIR-130

Step 1: Open your web browser and type in the IP address of the router (*192.168.0.1* by default). Enter the username (*admin* by default) and password (blank by default), and then click **OK**.

Step 2: Click on Advanced tab->User Group. Select Group1 then click on EDIT Button. Enter the desired PPTP username and password. Click Save Settings button then click Continue.

Product Page: DIR-130				
	_0			
D-Lilik	C			
DIR-130	SETUP	ADVANCED	MAINTENANCE	STATUS
Port Forwarding	USER GROUP SETT	INGS :		
Application Rules	This section allows you	u to easily create user nam	nes and passwords for diffe	rent aroups of users.
Network Filter	These groups can acc	ess your router through a	VPN tunnel.	
Website Filter	Save Settings Don't Save Settings			
Firewall Settings				
Advanced Network	USER SETTINGS :			
Routing	Group Name : PPTP_users			
Certificates	Clear the list below			
User Group	User Name Password			
Bandwidth Control	1. dlink dlink			
	2. User2		user2	
	3.			

Step 3: Click on SETUP tab->VPN SETTINGS and select PPTP/L2TP from the ADD VPN PROFILE dropdown list and click Add.

D-Link	¢			
DIR-130	SETUP	ADVANCED	TOOLS	STATUS
INTERNET NETWORK SETTINGS	VPN SETTINGS	1 <u>.</u> 1		
VPN SETTINGS	ADD VPN PROFIL	E :		
	20 - VPN PROFILI	Ε:		
	N	lame	Туре	

Step 4: Configure the PPTP server as followed:

- Enable Settings: check box to enable
- Name: enter a VPN name
- Connection type: select PPTP
- VPN Server IP: enter an IP address for the VPN Server (It is recommended to use the LAN IP of the DIR-130.)
- Remote IP Range: assign a range of IP to be assigned to the PPTP client (The range must be on the same subnet as the VPN Server IP.)
- Authentication Protocol: select desired authentication protocol (PAP/CHAP/MSCHAP v2)
- MPPE Encryption Mode: select desired level of encryption (40 bit/128 bit)
- Authentication Database: select the PPTP user group that you modified from Step 2.
- User Name 1: enter a desired username
- Password 1: enter a desired password

Click Save Settings then Continue.

Product Page: DIR-130					
D-Link	ć				
DIR-130	SETUP	ADVAN	<u>ED</u>	MAINTENANCE	STATUS
Internet Network Settings VPN Settings	VPN - PPTP/L2TP Use this section to complete the section of the sectio	P SERVER onfigure your VF n't Save Settings ING : nable setting : Name : nection type : PN Server IP : ote IP range : tion Protocol : yption Mode : ion database :	N-PPTP/L2 Pptptest ● pptptest 192.168.0 ○ pAP RC4 ○ r PPTP_use	PTP Server settings.	' IPSec

The PPTP server should now appear in the **VPN PROFILE** list below.

Product Page: DIR-130				
D-Link	¢			
DIR-130	SETUP	ADVANCED	MAINTENANCE	STATUS
Internet Network Settings VPN Settings	VPN SETTINGS Use this section to cre ADD VPN PROFILE Select a type	eate and configure your VF E : Add	PN settings.	
	25 - VPN PROFILE Enable	: Name	Туре ротр	I
		pp.pcov	11-11-	

Configuration of Virtual Private Network

Note: These instructions are for WinXP

Step 1: Click on Start and right-click My Network Places. Select Properties.



Step 2: Select Create a new connection.



Step 3: Click Next on the New Connection Wizard.

New Connection Wizard		
S.	Welcome to the New Connection Wizard	
	This wizard helps you:	
	Connect to the Internet.	
	 Connect to a private network, such as your workplace network. 	
	To continue, click Next.	
	< <u>B</u> ack <u>N</u> ext > Cancel	

Step 4: Select Connect to the network at my workplace and click Next (notice the keyword VPN).



Step 5: Select Virtual Private Network connection and click Next.

New Connection Wizard		
Network Connection How do you want to connect to the network at your workplace?		
Create the following connection:		
O Dial-up connection		
Connect using a modem and a regular phone line or an Integrated Services Digital Network (ISDN) phone line.		
● Virtual Private Network connection Connect to the network using a virtual private network (VPN) connection over the Internet.		
< <u>B</u> ack <u>N</u> ext > Cancel		

Step 6: Enter a **Company Name** (*optional*) and click **Next**. The connection name will be *Virtual Private Network* by default if this field is left blank.

New Connection Wizard
Connection Name Specify a name for this connection to your workplace.
Type a name for this connection in the following box. Company N <u>a</u> me
For example, you could type the name of your workplace or the name of a server you will connect to.
< <u>Back</u> Next> Cancel
Public Network Windows can make sure the public network is connected first.
Windows can automatically dial the initial connection to the Internet or other public network, before establishing the virtual connection. Do not dial the initial connection. Automatically dial this initial connection:
< <u>B</u> ack <u>N</u> ext> Cancel

Step 7: Enter the remote gateway and click Next. This is the WAN IP address of the VPN Server.

New Connection Wizard			
VPN Server Selection What is the name or address of the VPN server?			
Type the host name or Internet Protocol (IP) address of the computer to which you are connecting.			
Host name or IP address (for example, microsoft.com or 157.54.0.1):			
202.123.103.04			
< <u>Back</u> <u>N</u> ext>Cancel			
New Connection Wizard			
Connection Availability You can make the new connection available to any user or only to yourself.			
Connection Availability You can make the new connection available to any user or only to yourself. Image: Connection of the text of tex of text of text of tex of text of tex of text of text of text of			
Connection Availability You can make the new connection available to any user or only to yourself. Image: Connection that is created for your use only is saved in your user account and is not available unless you are logged on. Create this connection for: Create this connection for:			
Connection Availability You can make the new connection available to any user or only to yourself. A connection that is created for your use only is saved in your user account and is not available unless you are logged on. Create this connection for: Anyone's use			
Connection Availability Image: Second Se			
Connection Availability Image: Second Se			
Connection Availability Image: State of the new connection available to any user or only to yourself. A connection that is created for your use only is saved in your user account and is not available unless you are logged on. Create this connection for: Aryone's use Image: My use only			
Connection Availability Image: State of the second state of			
Connection Availability Image: State of the new connection available to any user or only to yourself. A connection that is created for your use only is saved in your user account and is not available unless you are logged on. Create this connection for: Anyone's use Image: My use only			

Step 8: Check the box Add a shortcut to this connection to my Desktop (optional) and click Finish.

New Connection Wizard	
	Completing the New Connection Wizard You have successfully completed the steps needed to create the following connection: Virtual Private Network Connection
	The connection will be saved in the Network Connections folder. Implies the connection to my desktop To create the connection and close this wizard, click Finish.
	< <u>B</u> ack Finish Cancel

Configuring the PPTP client

Step 1: Open the PPTP VPN client and click Properties.

Connect PPTP ?X
User name:
Password:
Save this user name and password for the following users:
 Me only Anyone who uses this computer
Connect Cancel Properties <u>H</u> elp

Step 2: Click on the Security tab and select Advanced (custom settings), then select Settings.

🗢 PPTP Properties 🛛 💽 🔀
General Options Security Networking Advanced
Security options
Using these settings requires a knowledge <u>S</u> ettings
I <u>P</u> Sec Settings OK Cancel

Step 3: Under Data encryption, select Required encryption (disconnect if server declines) and check Microsoft CHAP Version 2 (MS-CHAPv2), then select OK.

Advanced Security Settings ? 🗙
Data encryption:
Require encryption (disconnect if server declines)
a logon securitu
O Use Extensible Authentication Protocol (EAP)
Piopernes
Allow these protocols
Unencrypted password (PAP)
Shiva Password Authentication Protocol (SPAP)
Challenge Handshake Authentication Protocol (CHAP)
Microsoft CHAP (MS-CHAP)
Allow older MS-CHAP version for <u>W</u> indows 95 servers
Microsoft CHAP Version 2 (MS-CHAP v2)
For MS-CHAP based protocols, automatically use my Windows logon name and password (and domain if any)
OK Cancel

Step 4: Select the Networking tab and select PPTP VPN under Type of VPN. Click OK.

🗢 PPTP Properties 🛛 🕐 🔀
General Options Security Networking Advanced
Type of VPN: Automatic Automatic PPTP VPN L2TP IPSec VPN This connection uses the following items: Image: Connection uses the following items:
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Step 5: Enter the username and password that was created on the PPTP server and click Connect.

Connect PPTP	? 🛛
C	
<u>U</u> ser name:	dlink
<u>P</u> assword:	•••••
Save this use Me only Anyone v	er name and password for the following users: who uses this computer Cancel Pr <u>o</u> perties <u>H</u> elp
Connecting PP	TP
Conne	cting to 192.168.10.55 Cancel
Connecting Vir	rtual Private Network Connection
	Cancel

Step 6: After the connection has been established, go to the command prompt and ping a client behind the PPTP server.

🛛 C:\WINDOWS\system32\cmd.exe	- 🗆 🗙
Ethernet adapter Local Area Connection:	-
Connection-specific DNS Suffix . : IP Address : 192.168.1.136 Subnet Mask : 255.255.255.0 Default Gateway : 192.168.1.1	
PPP adapter Virtual Private Network Connection:	
Connection-specific DNS Suffix . : IP Address : 192.168.0.2 Subnet Mask : 255.255.255.255 Default Gateway : 192.168.0.2	
C:\Documents and Settings\dlinktech>ping 192.168.0.100	
Pinging 192.168.0.100 with 32 bytes of data:	
Reply from 192.168.0.100: bytes=32 time=3ms TTL=63 Reply from 192.168.0.100: bytes=32 time=2ms TTL=63 Reply from 192.168.0.100: bytes=32 time=2ms TTL=63 Reply from 192.168.0.100: bytes=32 time=2ms TTL=63	
Ping statistics for 192.168.0.100: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),	-