1. Enable remote Management under Maintenance -> Management -> Remote Management. Make sure to change the default admin password to a strong password for better security.



2. Create OpenVPN group under Security -> Authentication -> Internal User Database -> Groups.

Group Configuration				×
Group Name	OpenVPN			
Description	OpenVPN			
User Type				
User Type	🔿 Admin 🔘 Networ	k 🔘 Guest		
PPTP User	OFF			
L2TP User	OFF			
Xauth User	OFF			
OpenVPN User	ON III			
SSLVPN User	OFF			
Captive Portal User	OFF			
Idle Timeout	10 [Default: 1	0. Range: 1 - 999] Minutes		
Security » Authentication » Internal Us Get User DB Groups Users	er Database » Groups		0	0
This page shows the list of added group volicies can only be configured for grou Groups List	is to the router. The user can add, delet ups having admin and sslvpn privileges.	te and edit the groups also. Th	e Login policies, Browser Policies and	IP
	ecord to get more options j	a 1.11		
Group Name	0	Description		6
GUEST		Guest Group		
OpenVPN		OpenVPN		
Showing 1 to 3 of 3 entries			H First A Previous 1 Next > Las	st 刘
Add New Group				

3. Create OpenVPN user under Security -> Authentication -> Internal User Database -> Users.

User Configuration	
User Name	vpnuser1
First Name	vpnuser1
Last Name	vpnuser1
Select Group	OpenVPN 🗸
Password	
Confirm Password	

Security » Authentication » Internal User Database » Users

				69	Operation Succeeded
	Get User DB	Groups	Users		
Thi: use	s page shows a rs.	list of ava	ilable use	ers in the s	ystem. A user can add, delete and edit the users also. This page ca

Users List		
Show 10 v entries [Right	t click on record to get more op	tions]
User Name	🔂 Group Name	⊖ Login Status
admin	ADMIN	Enabled (LAN) Enabled (WAN)
guest	GUEST	Disabled (LAN) Disabled (WAN)
vpnuser1	OpenVPN	Enabled (LAN) Enabled (WAN)
Showing 1 to 3 of 3 entries		[] F
Add New Liser		

4. Enable OpenVPN Server under VPN -> OpenVPN -> OpenVPN Settings. Leave everything with default values and enable User Based Auth. Click on Save.

Unified Se	ervices Router - DSR-1000AC			Gerial: S37R1F6000020	Firmware: 3.	14_WW			
					izard Sys	stem Searc	:h		
	🙆 Status 🛜 Wireless	💻 Network	🚯 VPN	🚊 Security	O° Mainte	enance			
/PN » Open'	VPN » OpenVPN Settings						0		
)penVPN con	figuration page allows the user to cor	nfigure OpenVPN as a serv	ver or client.				0		
OpenVPN S	Settings								
OpenVP	N	ON 111							
Mode		Server O Client	Access Ser	ver Client					
VPN Net	work	128.10.0.0							
VPN Net	mask	255.255.0.0							
Duplicat	te CN	OFF							
Port		1194 [Default:	1194, Range: 1024 -	65535]					
Tunnel F	Protocol	○ TCP							
Encrypti	ion Algorithm	AES-128 🗸							
Hash Alg	gorithm	SHA1	SHA1 🗸						
Tunnel T	Type	● Full Tunnel OS	plit Tunnel						
User Bas	sed Auth	ENABLE							
Certific	ate Verification								
Certs Pr	ofile	default	~						
Name	CA Subject Name	Server Cert Sub	ject Name	Client Cert Subject	Name	Туре	CA key Status		
	C=TW, ST=Taiwan, L=Taipei, O=D-Link Corr	oora C=TW, ST=Taiwan, L=	Taipei, O=D-Link C	C=TW, ST=Taiwan, L=Taipe	ei, O=D-Link C	Default:			
default	tion, OU=Certificate for DSR (Self-Signed)	CN orporation, OU=Certi	ficate for DSR (Self	orporation, OU=Certificat	e for DSR (Self	Server	Available		
	=D-Link Corporation CA	-Signed), CN=server		-Signed), CN=client		t			
TLS Aut	nentication Key	No TLS Keys Uploaded							
Invalid (Client Certificate	No CRL Certs Uploaded							
		Save	Cancel						

 On the client PC / remote PC, open the OmniSSL portal using <u>https://<DSR'sWANIP>/omnissl</u> e.g. <u>https://111.240.253.52/omnissl</u>

Enter the OpenVPN client username and password created in Step 3 and download the OmniSSL Client Package and OmniSSL Client Configuration.

	•	Please Login!		
	Portal Login			
	Welcome to D-Link	Configuration Manage	r	
	Username			
	Password			
		Login		
	Supported	d Browsers: I.E 9+, Firefox 20+, Ch	nome 25+, Safari 5+	
D-I	ink			
OmniSSL				
his page al	lows download of	client Package and	d configuration.	
mniSSL	Client Portal			
<mark>Omni5</mark> 5	L Client Package		Download	
OmniSS	L Client Configur	ation	Download	

6. Install the OmniSSL Client package that you downloaded "openvpn-install-win64.exe".



7. Run the OmniSSL Client configuration that you downloaded which is "client_script" and it will create a "client_config" OpenVPN icon as shown below.



8. Copy and paste the "client_config" file to C:\Program Files\OpenVPN\config folder.

Share View			
→ This PC → Windows (C:) → Program Fil	les → OpenVPN → config	ٽ ~	
^ Name ^	Date modified	Туре	Size
Client_config	30/10/2020 11:52 AM	OpenVPN Co	onfig 7 KB
*			

You can rename the file to something you can easily identify:

	→ Th	nis I	PC > Windows (C:) > Progra	m Files > OpenVPN > config		Ğ		
	^		Name	Date modified	Туре			Size
۰ ۱			Sydney_Office_VPN	30/10/2020 11:52 AM	Oper	vPN Co	onfig	7 KB
s x								

9. Locate the OpenVPN icon in the lower-right corner of the windows taskbar then click Connect.



10. Enter the OpenVPN username and password you set in Step 3.

[OpenVPN Connection (cl	ient_config)	_		\times
Current State: Connecting Fri Oct 30 11:09:08 2020 Ope Fri Oct 30 11:09:08 2020 Win Fri Oct 30 11:09:08 2020 Ilibra	nVPN 2.3.18 x86_64-w64-mingw32 [SSL (OpenSSL)] [Li dows version 6.2 (Windows 8 or greater) 64bit ry versions: OpenSSL 1.0.2I 25 May 2017, LZO 2.10	ZO] [PKCS1	1] [IPv6] E	vuilt
	Usemame: vpnuser1 Password: ••••••			
<				>
Disconnect	Reconnect		Hide	

11. Once authenticated, you will see a notification below and a green OpenVPN icon and status.



You can verify connectivity by pinging an IP address on the remote end.

Command Prompt
Microsoft Windows [Version 10.0.19041.572] (c) 2020 Microsoft Corporation. All rights reserved.
C:\Users\`_`ping 192.168.10.1
Pinging 192.168.10.1 with 32 bytes of data:
Reply from 192.168.10.1: bytes=32 time=17ms TTL=64
Reply from 192.168.10.1: bytes=32 time=17ms TTL=64
Reply from 192.168.10.1: bytes=32 time=17ms TTL=64
Reply from 192.168.10.1: bytes=32 time=18ms TTL=64
Ping statistics for 192.168.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 17ms, Maximum = 18ms, Average = 17ms