SSL VPN Split Tunnel



Here we're trying to build a SSL VPN server on the DSR-1000N for users are able to remotely connect into the resource of company network.

In this scenario the traffic of the SSL client sending data to 192.168.10.0/24 will be forwarded via SSL VPN tunnel. Normal internet traffic will be sent through their local ISP, this setup is called "split tunnel" in VPN terminology.

DSR-1000N Setup

Product Page: DSR-10) 1	nk			Hardware Version: A1	Firmware Version: 1.01850				
DSR-1000N		SETUP	ADVANCED	TOOLS	STATUS	HELP				
Wizard	D					Helpful Hints				
Internet Settings	►	INTERNET CONNECT	ION		LOGOUT	. If you are new to				
Wireless Settings	►	This page will guide you	through common configuration	tacks such as changing the p	assivord timezone and	networking and have never configured a router				
Network Settings	►	setting up of your interr	setting up of your internet connection. before, click or Connection Set							
DMZ Setup	►	Internet Connectio	and the router v Internet Connection Setup Wizard through a few s							
VPN Settings	Þ	IPsec 🕨	'sec our easy to use Web-based Wizards to assist you in connecting your new D-Link for the second s							
USB Settings		РРТР 🕨	ternet, click on the button below.							
VLAN Settings	►	L2TP	L2TP Internet Connection Setup Wizard							
		SSL VPN Server 🔹	SSLVPN Server Portal Layouts re you have followed all steps outlined in the Quick							
		SSL VPN Client	More							
		Manual Internet Lo If you would like to conl the button below.	ri Resources Port Forwarding Manual Internet	vour new D-Link Systems Rout Connection Setup	er manually, then click on					

Step 1) Go to SETUP > VPN Settings > SSL VPN server > Portal Layouts.

Step 2) Click "Add" to add a Portal.

POR	PORTAL LAYOUTS LOGOUT							
The table lists the SSL portal layouts configured for this device and allows several operations on the portal layouts.								
List	List of of Layouts							
	Layout Name	Use Count	Portal URL					
	SSLVPN*	1	https://0.0.0.0/portal/SSLVPN					
	fortest	1	https://0.0.0.0/portal/fortest					
	test2	1	https://0.0.0.0/portal/test2					
	Edit Delete Set Default Add							

Under Portal configuration enter in information into the following:

- Portal Layout Name: Enter in a name for the Portal
- Portal Site Title: Enter in a Title, this can be left blank
- Banner Message: Enter in a Message, this can be left blank

Next make sure all of the boxes have been selected then click "Save Settings".

PORTAL LAYOUT CONFIGURATION LOGOUT						
This page allows you to add a new portal layout or edit the configuration of an existing portal layout. The details will then be displayed in the List of Portal Layouts table on the SSL VPN Server> Portal Layouts page under the VPN menu. Save Settings Don't Save Settings						
Portal Layout and Theme Name						
Portal Layout Name:	test_custom_portal					
Portal Site Title (Optional) :	Test_Portal_Title					
Banner Title (Optional) :	Test_Banner_Title					
Banner Message (Optional) :	Test_Banner_Message					
Display banner message on login page:	V					
HTTP meta tags for cache control (recommended):						
ActiveX web cache cleaner:						
SSL VPN Portal Pages to Display						
VPN Tunnel page:						
Port Forwarding:						

Step 3) Go to ADVANCE > Users > Domains.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.01850 D-Link								
DSR-1000N	SETUP	ADVANCED	TOOLS		STATU	IS	HELP	
Application Rules							Helpful Hints	
Website Filter 🕨 🕨	APPLICATION RULES	í.				LOGOUT	Application rules are also	
Firewall Settings 🕨	The table lists all the avai	lable port triggering rules and	d allows several oper.	ations on the ru	les.		referred to as port forwarding rules. Devices	
Wireless Settings 🕨							on the LAN or DMZ can send a request to the	
Advanced Network 🕨	List of Available App	lication Rules	Outgoing Por	e In	coming D	orte	Internet along one of the defined outgoing ports,	
Routing >	Name Enable	Protocol Interface	Start Port End	Port Start	t Port E	nd Port	rule will open the	
Certificates		E dit De					port for the specified type of traffic coming from the	
Users 🕨	Get Users DB						WAN. Note that port triggering is	
IP/MAC Binding	Domains						not appropriate for	
VVS >	(#224966						linese is a dependency on line 140 device marking an	
Nodus Sellings	Usaa						augung unantitar. Istira lumuha para wa	
Power Saving							More	

Click "Add" to create a domain object.

DON	DOMAINS LOGOUT								
This page shows the list of added domains to the router. The user can add, delete and edit the domains also.									
List of Domains									
	Domain Name Authentication Type Portal Layout Name								
	SSLVPN *	Local User Database	SSLVPN						
	fortest Local User Database fortest								
fortest2 Local User Database test2									
Edit Delete Add									

Under Domain enter in the following:

- Domain Name: Enter in a name for the Domain
- Authentication Type: Select Local User Database
- Select Portal: Select the name of the Portal that was added before
- Time out: Set to 360

Click "Save Settings" once done.

DOMAINS	LOGOUT
This page allows a user to add a new domain. Save Settings Don't Save S	ettings
Domains Configuration	
Domain Name:	Domain_for_test_custom_portal
Authentication Type:	Local User Database 💌
Select Portal:	test_custom_portal 🗸
Authentication Server 1:	
Authentication Server 2:	(Optional)
Authentication Server 3:	(Optional)
Timeout:	360 (Seconds)
Retries:	5
Authentication Secret:	
Authentication Secret2:	
Workgroup:	
Second Workgroup:	(Optional)
LDAP Base DN:	
Second LDAP Base DN	(Optional)
Active Directory Domain:	
Second Active Directory Domain	(Optional)

Step 4) Go to ADVANCED > Users > Users

DSR-1000N SETUP ADVANCED TOOLS STATUS HELP Application Rules Helpful Hints Website Filter I USERS LoGOUT Authentication of users (IPsec, SSL Firewall Settings Inis page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users. Helpful Hints Advanced Network List of Users Authentication Domain Login Status Routing User Name Group Type Authentication Domain Login Status Users Get Users DB VPN Guest Local User Database Disabled the user can login to trouter's GUI in ad the user's GUI in addition to couter's GUI in additin to coutery GUI in addition to couter's GUI in addition to coute	Product Page: DSR-10)00N						Hardware Version: A1	Firmware Version: 1.01B50	
DSR-1000N SETUP ADVANCED TOOLS STATUS HELP Application Rules Helpful Hints Authentication of USERS Helpful Hints Authentication of USERS Authentication of USERS Authentication of USERS Authentication of USERS Status Helpful Hints Wireless Settings Inis page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users. List of Users Status Authentication of Users (IPsec, SSL GUI) is done by the using efficience on users. Status Status Authentication of Users (IPsec, SSL GUI) is done by the using efficience on users. Status	D-Li	7	1	C						
Application Rules Helpful Hints Website Filter USERS Locout Firewall Settings I This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users. Authentication of users (IPsec, SSL) Mireless Settings I List of Users Authentication Domain Login Status Routing Users Name Group Type Authentication Domain Login Status Viers admin * SSLVPN Administrator Local User Database Enabled (LAN and WAN) Users Get Users DB VPN Guest Local User Database Enabled (LAN and WAN) IP/MAC Binding Domains VPN Local User Local User Database Enabled (LAN and WAN) IP/6 Groups Edit Delete Add More	DSR-1000N			SETUP		ADVANCED	TOOLS	STATUS	HELP	
Website Filter LOGOUT Firewall Settings I USERS LOGOUT Authentication of users (Epsc, SSL GUI) is done by the users also. This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users. Authentication Domain LogII is done by the users (Epsc, SSL GUI) is done by the users (Epsc, SSL GUI) is done by the user alact be used for setting policies on users. Set (Epsc, SSL GUI) is done by the users (Epsc, SSL GUI) is done by the user alact be used for setting policies on users. Set (Epsc, SSL GUI) is done by the user alact be user (Epsc, SSL GUI) is done by the	Application Rules	•							Helpful Hints	
Firewall Settings This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user can add, delete and edit the users also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user can add, delete and edit the users also. This page can also be used for setting policies on users. users (IPsec, SL, GUI) is one by the user can add, delete and edit the users also. This page can also be used for setting policies can be spice. users (IPsec, SL, GUI) is one by the user can add, delete and edit the users also. This page can also be used for setting policies can be spice. User let the user can add, be user can be policies can be spice. User let the user can login to the user can log	Website Filter	►	USE	RS				LOGOUT	Authentication of the	
Wireless Settings Impoge and/or buside of or setting policies on users. using etcht allow of user of allow of users on users. using etcht allow of user of users on users. Advanced Network Ist of Users Ist of Users Ist of Users Policies on users. Routing User Name Group Type Authentication Domain Login Status Certificates admin * SSLVPN Administrator Local User Database Enabled (LAN and WAN) Users Get Users DB VPN Guest Local User Database Disabled More IP/MAC Binding Domains VPN Local User Local User Database Enabled (LAN and WAN) More IPv6 Groups Edit Delete Add More	Firewall Settings	►	This	nage shows a li	st of availa	ble users in the sv	stem. A user can add, delete and	d edit the users also. This	users (IPsec, SSL VPN, or GUI) is done by the router	
Advanced Network List of Users external authentic Routing User Name Group Type Authentication Domain Login Status Certificates admin** SSLVPN Administrator Local User Database Enabled (LAN and WAN) Users Get Users DB VPN Guest Local User Database Disabled IP/MAC Binding Domains VPN Local User Local User Database Enabled (LAN and WAN) IPv6 Groups Edit Delete Add	Wireless Settings	►	pag	e can also be us	using either a local database on the router or					
Routing User Name Group Type Authentication Domain Login Status PADUB3). User Ise policies can be sponsored with the sponsored withe sponsored with the sponsored with the sponsored with the sponso	Advanced Network	►	List	of Users					external authentication servers (i.e. LDAP or DADIUS) Llags layed	
Certificates admin ** SSLVPN Administrator Local User Database Enabled (LAN and WAN) host, and whethe user can login to or roture's GUI in ad the SSL VPN of Guest Local User Database Disabled host, and whethe user can login to or roture's GUI in ad the SSL VPN of Guest Local User Database Disabled host, and whethe user can login to or roture's GUI in ad the SSL VPN of Guest Local User Database Disabled host, and whethe user can login to or roture's GUI in ad the SSL VPN proteins of the SSL VPN proteins o	Routing	►		User Name	Group	Туре	Authentication Domain	Login Status	policies can be specified by browser. TP address of the	
Users Oet Users DB VPN Guest Local User Database Disabled router's GUT in ad the SSL VPN ports IP/MAC Binding Domains VPN Local User Local User Database Enabled (LAN and WAN) More IP/v6 Groups Edit Delete Add More	Certificates			admin *	SSLVPN	Administrator	Local User Database	Enabled (LAN and WAN)	host, and whether the user can login to the	
IP/MAC Binding Domains VPN Local User Local User Database Enabled (LAN and WAN) IPv6 Groups Edit Delete Add	Users	Þ	Get U	sers DB	.VPN	Guest	Local User Database	Disabled	router's GUI in addition to the SSL VPN portal	
IPv6 Foroups Edit Delete Add	IP/MAC Binding		Doma	ains	.VPN	Local User	Local User Database	Enabled (LAN and WAN)	More	
	IPv6	►	Group	os	ſ	Edit	Delete Add			
Radius Settings Users	Radius Settings	Users								
Power Saving Login Policies Policies By Browsers Policies By IP	Power Saving		Login Policies Dy Browsers Policies By IP							

Click on "Add"

USERS LOGOUT									
This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users.									
List	of Users								
	User Name	Group	Туре	Authentication Domain	Login Status				
	admin SSLVPN Administrator Local User Database Enabled (LAN and WAN)								
	guest SSLVPN Guest Local User Database Disabled								
	test1 fortest SSL VPN User Local User Database Enabled (LAN and WAN)								
	dlink	SSLVPN	Administrator	Local User Database	Enabled (LAN and WAN)				
test2 fortest2 SSL VPN User Local User Database Enabled (LAN and WAN)									
Edit Delete Add									

Under User Configuration enter in the following:

- User Name: A name for the use(this is used when the user logs in).
- First Name: First name of user
- Last Name: The last name
- User Type: Leave as is (SSL VPN User)
- Select Group: Enter in the name of the Portal that was added in step 2.

Once done select "Save Settings"

USERS CONFIGURATION	LOGOUT						
This page allows a user to add new system users. Save Settings Don't Save Settings							
Users Configuration							
User Name:	User1						
First Name:	User1						
Last Name:	User1						
User Type:	SSL VPN User 💌						
Select Group:	Domain_for_test_portal						
Password:	•••••						
Confirm Password:	•••••						
Idle Timeout:	30 (Minutes)						

Step 5) Go to TOOLS > Admin > Remote Management

Product Page: DSR-1	Firmware Version: 1.01850					
DSR-1000N		SETUP	ADVANCED	TOOLS	STATUS	HELP
Admin	Þ	Admin Settings				Helpful Hints
Date and Time		Remote Management			LOGOUT	The System Name
Log Settings	►	SNMP	et the router identification pa	me.		identifies the router for node identification and
System		SNMP System Info	Don't Save Setting	•		remote logging.
Firmware				<u> </u>		riore
Firmware via USB		System Name				
Dynamic DNS		System Name:	DSI	R-1000N		
System Chevit) <u> </u>				
Sizedaten I						

Select "Enable Remote Management", then click "Save Settings".

REMOTE MANAGEMENT	LOGOUT
From this page a user can configure the remote r the box remotely from WAN side. Save Settings Don't Save Set	management feature. This feature can be used to manage
Remote Management Enable	
Enable Remote Management:	
Access Type:	All IP Addresses 💌
From:	
То:	
IP Address:	
Port Number:	443
Enable Remote SNMP:	

Step 6) Go to SETUP > VPN Settings > SSL VPN Client > SSL VPN Client

Product Page: DSR-100	DON				Hardware Version: A1	Firmware Version: 1.01850				
D-Li	Ţ	n k								
DSR-1000N		SETUP	ADVANCED	TOOLS	STATUS	HELP				
Wizard	\triangleright					Helpful Hints				
Internet Settings	۲	INTERNET CONNECTIO	DN		LOGOUT	If you are new to				
Wireless Settings	►	This page will guide you t	hrough common configuration	tasks such as changing the p	assword, timezone and	networking and have never configured a router				
Network Settings	Þ	setting up of your interne	et connection.	····· • ···· • ··· • ··· •		before, click on Internet Connection Setup Wizard				
DMZ Setup	۲	Internet Connection	and the router will run yo nternet Connection Setup Wizard through a few simplester through a							
VPN Settings	۲	IPsec 🕨	our easy to use Web-based V	Wizards to assist you in conne	cting your new D-Link	and running. If you consider yourself an				
USB Settings		РРТР 🕨				Advanced user and have configured a router				
VLAN Settings	▶	L2TP 🕨	Internet Connect	tion Setup Wizard		before, click Manual Internet Connection Setup				
		SSL VPN Server 🔹 🕨	nese wizards, please make sur t in the nackane.	re you have followed all steps	outlined in the Quick	to input all the settings manually.				
		SSL VPN Client	SSL VPN Client			More				
		Manual Internet Con If you would like to config the button below.	Configured Client Routes SSL VPN Client Portal Manual Internet	our new D-Link Systems Rout	er manually, then click on					

Select "Enable Split Tunnel Support".

SSL VPN CLIENT	LOGOUT
An SSL VPN tunnel client provides a point-to-poin device. When a SSL VPN client is launched from t and WINS settings is automatically created, whic network without any special network configuratio Save Settings Don't Save So	at connection between the browser-side machine and this he user portal, a "network adapter" with an IP address, DNS h allows local applications to talk to services on the private on on the remote SSL VPN client machine. ettings
Client IP Address Range	
Enable Split Tunnel Support:	
DNS Suffix (Optional) :	
Primary DNS Server (Optional) :	
Secondary DNS Server (Optional) :	
Client Address Range Begin:	192.168.200.100
Client Address Range End:	192.168.200.200
LCP Timeout:	60 (Seconds)

Step 7) Go to ADVANCED > VPN Settings > SSL VPN Client > Configured Client Routes.

Product Page: DSR-1000N	• 1 ~ [®]			Hardware Version: A1	Firmware Version: 1.01850
DSR-1000N	SETUP	ADVANCED	TOOLS	STATUS	HELP
Wizard 🕨					Helpful Hint <i>s</i>
Internet Settings 🔹 🕨	SSL VPN CLIENT			LOGOUT	An SSL VPN tunnel client
Wireless Settings 🔶	An SSL VPN tunnel client (provides a point-to-point conr	nection between the browser-:	side machine and this	provides a point-to-point connection between the
Network Settings 🕨	device. When a SSL VPN and WINS settings is auto	client is launched from the use matically created, which allow	er portal, a "network adapter" vs local applications to talk to :	with an IP address, DNS services on the private	this router.
DMZ Setup 🕨	network without any spe	cial network configuration on I	the remote SSL VPN client mac	hine.	launched from the user
VPN Settings D	IPsec 🕨	Don't Save Setting	s		adapter" with an IP
USB Settings	РРТР 🕨	nae			corporate subnet, DNS and WINS settings is
VLAN Settings	L2TP	Support:			automatically created. The IP addresses of the client's
	SSL VPN Server 🔹 🕨	n ·			network interfaces (Ethernet, Wireless, etc.)
	SSL VPN Client	SSL VPN Client			cannot be identical to the router's IP address or a
		Configured Client			server on the corporate LAN that is being accessed
	Secondary DNS Se	Routes			through the SSL VPN tunnel.
	Client Address Rar	SSL VPN Client Portal	2.168.200.100		More
	Client Address Rar	nge End: 192	2.168.200.200		
	LCP Timeout:	60	(Seconds)		

Under Configured Client routes click "Add".

Product Page: DSR-1000N				Hardware Version: A1	Firmware Version: 1.01850
D-Li	nk				
DSR-1000N	SETUP	ADVANCED	TOOLS	STATUS	HELP
Wizard 🕨					Helpful Hints
Internet Settings	CONFIGURED CLIENT	ROUTES		LOGOUT	For split tunnel SSL VPN
Wireless Settings 🔹 🕨	The Configured Client Por	ites entries are the routing or	ntries which will be added	withe SSL VPN Client such	client support, client routes must be configured
Network Settings	that only traffic to these (is redirected using the hose)	destination addresses is redire sts (SSL VPN Clients) native n	ected through the SSL VPN etwork interface. The tabl	I tunnels, and all other traffic e shows the destination	to direct the SSL VPN client to a LAN resource.
DMZ Setup	routes that will be configu LAN network then in SPLI	red on the SSL VPN client. Fo T Tunnel mode you should add	r example if the SSL VPN (d the LAN subnet as the d	lient wishes to access the estination subnet on this	More
VPN Settings D	device.				
USB Settings	Configured Client Ro	utes			
VLAN Settings 🛛 🕨		estination Network		Subnet Mask	
		Delete	Add		
	[
UNIFIED SERV	ICES ROUTER				

Under Destination Network enter in the LAN network then under Subnet mask the local Subnet.

SSL VPN CLIENT ROUTE CONFIGURATIO	DN LOGOUT	
The Configured Client Routes entries are the routing entries which will be added by the SSL VPN Client such that only traffic to these destination addresses is redirected through the SSL VPN tunnels. All other traffic is redirected using the native network interface of the hosts (SSL VPN Clients). For example if the SSL VPN Client wishes to access the LAN network, then in SPLIT Tunnel mode you should add the LAN subnet as the Destination Network. Save Settings Don't Save Settings		
SSL VPN Client Route Configuration		
Destination Network:	192.168.100.0	
Subnet Mask:	255.255.255.0	

Once done click "Save Settings", this is the last step on the DSR-1000N.

Client test / setup.

NOTE: Windows 7 64bit users please download the below file to allow full support. http://www.microsoft.com/downloads/en/details.aspx?familyid=90548130-4468-4BBC-9673-D6ACABD5D13B&displaylang=en

Product Page: DSR-10	000N	l.			Hardware Version: A1	Firmware Version: 1.01850
D-L	7	n k		_	_	
DSR-1000N		SETUP	ADVANCED	TOOLS	STATUS	HELP
Wizard	Þ					Helpful Hints
Internet Settings	►	INTERNET CONNECTION	DN		LOGOUT	If you are new to
Wireless Settings	►	This page will guide you t	through common configuration	tasks such as changing the p	assword timezone and	networking and have never configured a router
Network Settings	►	setting up of your intern	et connection.	taste such as changing the p	assessed and and	before, click on Internet Connection Setup Wizard
1968 Malaya	Ď	Judesnet Loomer Hor	i Sahip Siand			and the router will run you
WW Redepts	Þ	Pass 🕨	our easy to use Web-based (Wizerds to assist you in conne	cting your new D-Link	e en per prove senserer prove na fil northering. We man sense shown a sense fil sen
USS Sellinge		bakalas br	itemet, cick on the button bei	014		configured a router
VLAN Settings	►	L2TP	Internet Connect	ion Setup Wizard		before, click Manual Internet Connection Setup
		SSL VPN Server 🔹 🕨	Portal Layouts	re you have followed all steps	outlined in the Quick	to input all the settings manually.
		SSL VPN Client	SSL VPN Policies			More
		Manual Internet Cor If you would like to confi the button below.	Resources Port Forwarding	our new D-Link Systems Rout	er manually, then click on	
			Manual Internet (Connection Setup		

Step 1) Access VPN Settings > SSL VPN Server > Portal Layouts.

Under Portal Layouts you will see the entry that you added before, next to it a URL, write down this address.

NOTE: if the IP seen is a private IP (as seen below) you need to find out what the public IP is, the public IP will go in the place of the private IP.

PORT	AL LAYOUTS		LOGOUT
The t layou	able lists the SSL portal la	youts configured	d for this device and allows several operations on the portal
List o	of of Layouts		
	Layout Name	Use Count	Portal URL
	SSLVPN*	1	https://192.168.10.16/portal/SSLVPN
	test_custom_portal	1	https://192.168.10.16/portal/test_custom_portal
	Edi	t Dele	ete Set Default Add
1.		Цом	



Step 2) From the Client PC enter in the Portal URL (as seen in step 1).

In our example its https://192.168.10.16/portal/test_custom_portal

This will bring up a page asking for a Username / password, enter in the Username / Password that you entered in on **page 5** of the guide.

Address 🕘 https://192.168.10.16/scgi-bin/platform.cgi?page=portalLogin.htm&portal=test_custom_portal	💌 🄁 Go 🛛 Link
Product Page: DSR-1000N Hardware Version: A1 F D-Link DSR-1000N	Firmware Version: 1.01850
LOGIN Test_Banner_Title Test_Banner_Message Username: User1 Password: ••••••• Login	
UNIFIED SERVICES ROUTER	
Copyright © 2010 D-Link Corporation.	

The first page that you will see after logging in explains the different services available.

SSL VPN Tunnel: Used to all full access to the remote site.

SSL Port Forwarding: Creates a SSL tunnel to the remote site but allow allows access to certain services (set on the DSR-1000N)

DSR-1000N // Portal Information	VPN Tunnel	Port Forwarding	Change Password	HELP
PORTAL INFO				LOG OUT
Supported Features:				
This client portal provides remote access to th	e corporate network throu	ugh the following features		
SSL VPN Tunnel:				
Å				
'SSL VPN Tunnel' facilitates in creating an encry	pted tunnel to the corpora	ate network.		
SSL Port Forwarding:				
<u>_</u>				
'Port Forwarding' facilitates creating an encrypte	ed tunnel for pre-defined a	pplications on the corpora	te network.	
Note: 1. "Change Password" section is available ONLY for 2. Please contect your administrator in case any/all o 3. Jawa, Jawascript, Active-X controls MJST be	r users belonging to local detet f the above mantioned feature Enabled/Allowed in your br	vese. Is ere NOT enabled. owser seitings.		



Step 3) Select VPN Tunnel tab at the top of the page



Then click on "SSL VPN Tunnel", this will pop up a box at the top of the page and a warning (as seen below).



Click on "OK" to close the Information bar.

Next click on the bar at the top of the page and select "Install ActiveX Control".

Address 🙋	https://192.168.	10.16/scgi-bin/userPortal/sslv	pnclient?launch=true			💌 🄁 Go Lin
🧿 To help pi	otect your securi	ty, Internet Explorer stopped	this site from installing an Ac	tiveX control on your compute	er Click here for options	
Product I	Page: DSR-1000N			Install ActiveX Cor What's the Risk?	are Version: A1	Firmware Version: 1.01850
				Information Bar He	elp	
		nk			Welcome to the 'test_	custom_portal ' client portal.
DSR-10	00N ///	Portal Information	VPN Tunnel	Port Forwarding	Change Password	HELP

You will see a Security Warning, Click "OK"



Under Digital Signature Details, Click "View Certificate"

ital Signature D	etails		?
neral Advanced			
A certificate	ignature Information te chain processed, but which is not trusted by	n terminated in a root the trust provider.	
-Signer information	I		
Name:	dsr.dlink.com.tw		
E-mail:	certificate@dlink.com.tw		
Signing time:	Not available		
		View Certificate	
Countersignature	5		
Name of signer	: E-mail address:	Timestamp	
		Details	
			OK

You should see a new screen (Certificate), Click "Install Certificate" (found at the bottom of the pop up).

Certificate 🔹 🕄				
General Details Certification Path				
Certificate Information				
This CA Root certificate is not trusted. To enable trust, install this certificate in the Trusted Root Certification Authorities store.				
Issued to: dsr.dlink.com.tw				
Issued by: dsr.dlink.com.tw				
Valid from 24/11/2009 to 22/11/2019				
Install Certificate Issuer Statement				

Step 4) You should now see the "Certificate Import Wizard", Click "Next".





Leave the top option selected then Click "Next".

ertificate Import Wizard 🛛 🔯
Certificate Store Certificate stores are system areas where certificates are kept.
Windows can automatically select a certificate store, or you can specify a location for
Automatically select the certificate store based on the type of certificate
Place all certificates in the following store
Certificate store: Browse Browse
< <u>B</u> ack <u>N</u> ext > Cancel

Then Click "Finish".

Certificate Import Wizard		$\overline{\mathbf{X}}$
	Completing the C Wizard You have successfully complexizard.	Certificate Import eted the Certificate Import
	Certificate Store Selected Content	Automatically determined by t Certificate
	< <u>B</u> ack	Finish Cancel



Click "Yes" on the Security Warning.

Security	Warning 🔀
	You are about to install a certificate from a certification authority (CA) claiming to represent:
	dsr.dlink.com.tw
	Windows cannot validate that the certificate is actually from "dsr.dlink.com.tw". You should confirm its origin by contacting "dsr.dlink.com.tw". The following number will assist you in this process:
	Thumbprint (sha1): E54BCB68 0934D0FF 2DBE0EBB E2EAC7F5 D75F6245
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk.
	Do you want to install this certificate?
	<u>Y</u> es <u>N</u> o

Then Click "OK"

Certificate Import Wizard 🛛 🔀			
(į)	The import was successful.		
	ОК		

You need to Click on "Install Certificate" a seconds time.

General Details Certification Path	?
Certificate Information	
This CA Root certificate is not trusted. To enable trus install this certificate in the Trusted Root Certificatio Authorities store.	 n
Issued to: dsr.dlink.com.tw	
Issued by: dsr.dlink.com.tw	
Valid from 24/11/2009 to 22/11/2019	
Install Certificate	OK



Once done Click "OK".

A certificate	gnature Information te chain processed, but I which is not trusted by I	terminated in a root he trust provider.
Signer information		
Name:	dsr.dlink.com.tw	
E-mail:	certificate@dlink.com	.tw
Signing time:	Not available	
		View Certificate
Countersignature:	;	
Name of signer	: E-mail address:	Timestamp

If you get a Security Warning Click on "OK"







D-link-SSLVPN-Tunnel:Connection Status				
	🦵 Uninstall On Browser Exit			
Connection	0			
Status	Lonnected			
Duration	00:00:51			
Interfaces				
IP Address	192.168.200.101			
Server IP	192.168.10.16			
Activity				
Bytes Sent	4366			
Bytes Received	578			
Status Message				
D-link-SSLVPN-	Tunnel:Connected			
Disconnect	Close			

C:\WINDOWS\system32\cmd.exe	- 🗆 X
C:\Documents and Settings\TechLaptop>ping 192.168.100.5	<u>^</u>
Pinging 192.168.100.5 with 32 bytes of data:	
Reply from 192.168.100.5: bytes=32 time=2ms TTL=64 Reply from 192.168.100.5: bytes=32 time=1ms TTL=64 Reply from 192.168.100.5: bytes=32 time=1ms TTL=64 Reply from 192.168.100.5: bytes=32 time=1ms TTL=64	
Ping statistics for 192.168.100.5: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 1ms, Maximum = 2ms, Average = 1ms	
C:\Documents and Settings\TechLaptop>_	
	•

Port forward

Product Page: DSR-1000N				Hardware Version: A1	Firmware Version: 1.01B50
D-Li	n k			Welcome to the 'test_c	ustom_portal ' client portal.
DSR-1000N	Portal Information	VPN Tunnel	Port Forwarding	Change Password	HELP
PORT FORWARDING					LOG OUT
Supported Features	:				
This page allows user t	to establish a Port Forward	ding tunnel whch is a light	weight tunnel with port	based encryption.	
SSL VPN Port Forwarding Client Installer / Launcher:					
Click the Icon to connect to the remote servers.					
Note: * The active connections can still persist even when browser is closed without uninstalling the Port Forwarding client					
Recommendations : * Always follow this sequence: Uninstall any active clients, logout and close the browser. If recommended steps are followed, it will make the cannection safer, easier to maintain and avoid possible errors.					

Address 🕘 https://192.168.10.16/scgi-bin/userPortal/portfo	prwarding?launch=true	•		🕶 🄁 Go 🛛 Links
This site might require the following ActiveX control: 'Menlo	LSP.cab' from 'dsr.dlink	com.tw'. Click here to install		
Product Page: DSR-1000N		_	Hardware Version: A1	Firmware Version: 1.01850 custom_portal ' client portal.
DSR-1000N // Portal Information	VPN Tunnel	Port Forwarding	Change Password	HELP
PORT FORWARDING	Information Bar		X	
Supported Features: This page allows user to establish a Port Forwardin SSL VPN Port Forwarding Client Installer / Lau Click the Icon to connect to the remote servers. Note: * The active connections can still persist even when brows Recommendations : * Always follow this sequence: Uninstall any active clients, maintain and avoid possible errors.	Learn about the Info	Did you notice the Informati the Information Bar alerts you while hop-up window or file download the veb page does not display prope ar (near the top of your browser) Do not show this message again mation Bar Installing the Port Forwarding cliv rowser. If recommended steps	en Internet Explorer blocks a nat might not be safe. If a rly, look for the Information ain. OK ent are followed, it will make the	connection safer, easier to
Internet Explorer - Security Warn Do you want to install this software Name: MenloLSP.cab	ing :?			



✤ D-link-SSLVPN-PortForwa	rding		×
D-link-SSLVPN-P	ortForward	ling	
General Error			
Session Information			
Started:	2010/9/16 10):30:58	
Active Connections:	0		
Sent:	0		
Received:	0		
Status:	Activated		
Pending Connections:			
Application	Add	dress	Port
<	Ш		>
🔽 Enable Logging			<u>U</u> ninstall
View Log	Deactivate		<u>\$e</u>



≯ D-link-SSL∛PN-PortForw	varding 🛛 👔
D-link-SSLVPN-	PortForwarding
General Error	
Session Information	
Started:	2010/9/16 10:38:41
Active Connections:	1
Sent:	0
Received:	0
Status:	Activated
Pending Connections:	
Application	Address Port
yaps	192.168.100.115 80
<	
Enable Logging	<u> </u>
View Log	Deactivate Close
Status: Pending Connections: Application yaps C Enable Logging View Log	Activated Activated Address Port 192.168.100.115 80

© YAPS - Y	et Anothe	r Port Scanne	er.		_ 🗆 🔀	
Start Port	80	Start Address	192.168.	100.115	Start	
Stop Port	80	Stop Address	192.168.1	100.115	Stop	
Timeout (ms)	2500	💿 scan por	ts first	Resolve names	Close	
Simultaneous	100	🔘 scan IPs	first	Probe Ports	Clear	
192.168.100.	115:80 con	nect 1			About	
Started scan 192.168.100	Started scan 192.168.100.115:80 -> www-http (World Wide Web HTTP)					
Stopping sca	Stopping scan					
					<u> </u>	

Product Page: DSR-1000N				Hardware Version: A1 Firmware Version: 1.01B50	
D-Link				, Welcome to the 'test_custom_portal 'client portal.	
DSR-1000N	Portal Information	VPN Tunnel	Port Forwarding	Change Password	HELP
CHANGE PASSWORD LOG OU					
Supported Features:					
This page allwos user to update the password					
Save Settings Don't Save Settings					
Password Configuration:					
Old Password:					
New Password:					
Retype New Password:					
Note: User will be logged out if the password is updated successfully.					

