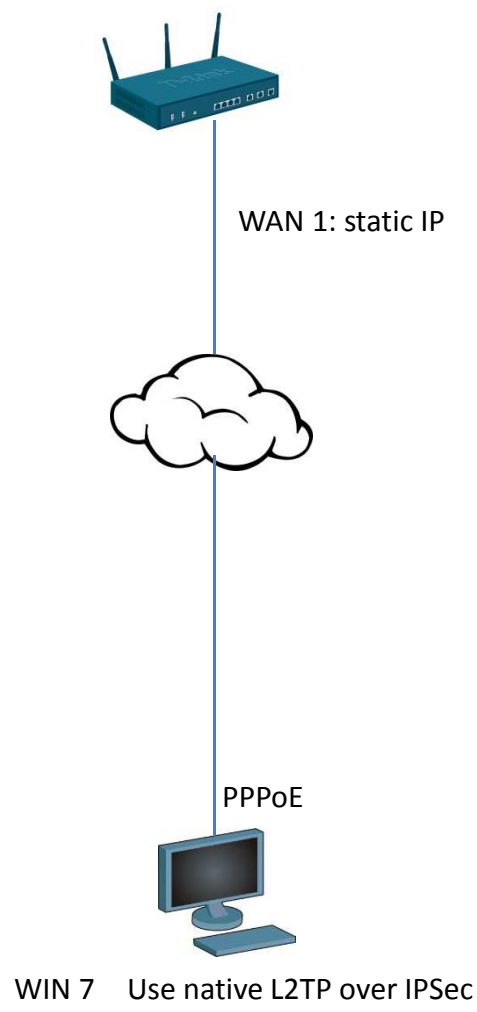


How to set up L2TP over IPsec for Windows PC

Topology:



(1) Go to SETUP > VPN Settings> L2TP server. Add a new L2TP server.

DSR-500N // SETUP ADVANCED TOOLS STATUS

Wizard

Internet Settings > **L2TP SERVER** LOGOUT

Wireless Settings >

Network Settings >

DMZ Setup >

VPN Settings >

USB Settings >

VLAN Settings >

L2TP allows an external user to connect to your router through the internet, forming a VPN. This section allows you to enable/disable L2TP server and define a range of IP addresses for clients connecting to your router. The connected clients can function as if they are on your LAN (they can communicate with LAN hosts, access any servers present etc.)

Save Settings Don't Save Settings

L2TP Server Configuration

Enable L2TP Server?

Enter the range of IP addresses that is allocated to L2TP Clients

Starting IP Address: 172.16.1.1

Ending IP Address: 172.16.1.10

Authentication Supported

PAP:

CHAP:

MS-CHAP:

MS-CHAPV2:

User Time-out

Idle TimeOut: 300 (Seconds)

UNIFIED SERVICES ROUTER

(2) Go to SETUP > VPN Settings>IPSec Policies. Add a new IPSec policies.

DSR-500N // SETUP ADVANCED TOOLS STATUS

Wizard

Internet Settings > **IPSEC POLICIES** LOGOUT

Wireless Settings >

Network Settings >

DMZ Setup >

VPN Settings >

USB Settings >

VLAN Settings >

This page shows the list of configured IPsec VPN policies on the router. A user can also add, delete, edit, enable and disable IPsec VPN policies from this page.

List of VPN Policies

Auto Policy

<input type="checkbox"/>	Status	Name	Type	IPsec Mode	Local	Remote	Auth	Encr
<input checked="" type="checkbox"/>	Enabled	for_l2tp*	Auto Policy	Transport Mode	Any	Any	SHA-1	3DES

Manual Policy

Edit Enable Disable Delete **Add** Export

UNIFIED SERVICES ROUTER

(3) Please be carefully IKE parameter!!

General

Policy Name:	for_i2tp
Policy Type:	Auto Policy
IKE Version:	<input checked="" type="radio"/> IKEV1 <input type="radio"/> IKEV2
IPsec Mode:	Transport Mode
Select Local Gateway:	Dedicated WAN
Remote Endpoint:	FQDN 0.0.0.0
Enable Mode Config:	<input type="checkbox"/>
Enable NetBIOS:	<input type="checkbox"/>
Enable RollOver:	<input checked="" type="checkbox"/>
Protocol:	ESP
Enable DHCP:	<input type="checkbox"/>
Local IP:	Any
Local Start IP Address:	
Local End IP Address:	
Local Subnet Mask:	
Remote IP:	Any
Remote Start IP Address:	
Remote End IP Address:	
Remote Subnet Mask:	

Phase1(IKE SA Parameters)

Exchange Mode:	Main
Direction / Type:	Responder
Nat Traversal:	
On:	<input checked="" type="radio"/>
Off:	<input type="radio"/>
NAT Keep Alive Frequency (in seconds):	20
Local Identifier Type:	Local Wan IP
Local Identifier:	218.210.16.29
Remote Identifier Type:	FQDN
Remote Identifier:	0.0.0.0
Encryption Algorithm:	3DES
Key Length:	0
Authentication Algorithm:	SHA-1
Authentication Method:	Pre-shared key
Pre-shared key:	123456789
Diffie-Hellman (DH) Group:	Group 2 (1024 bit)
SA-Lifetime (sec):	28800
Enable Dead Peer Detection:	<input type="checkbox"/>
Detection Period:	10

Phase2-(Auto Policy Parameters)

SA Lifetime: 3600 Seconds

Encryption Algorithm: 3DES

Key Length: 0

Integrity Algorithm: SHA-1

PFS Key Group: DH Group 2 (1024 bit)

(4) Go to Advanced>Users. Add a new user and choose L2TP user.

DSR-500N // SETUP ADVANCED TOOLS STATUS

Application Rules

Website Filter

Firewall Settings

Wireless Settings

Advanced Network

Routing

Certificates

Users

IP/MAC Binding

IPv6

Radius Settings

Captive Portal

Switch Settings

Intel® AMT

USERS CONFIGURATION LOGOUT

This page allows a user to add new system users.

Save Settings Don't Save Settings

Users Configuration

User Name: test

First Name: test

Last Name: test

User Type: L2TP User

Select Group: SSLVPN

Check to Edit Password:

Enter Current Logged in Administrator Password:

New Password:

Confirm New Password:

Idle Timeout: 30 (Minutes)

(5) If you connect successful, you can go to VPN settings>L2TP>Active users to check active user.

DSR-500N // SETUP ADVANCED TOOLS STATUS

Wizard

Internet Settings

Wireless Settings

Network Settings

DMZ Setup

VPN Settings

USB Settings

VLAN Settings

ACTIVE USERS LOGOUT

This page displays all the users currently connected to your L2TP server.

List of L2TP Active Users

User Name	Remote IP	L2TP IP
test	172.16.1.2	172.16.1.1

UNIFIED SERVICES ROUTER