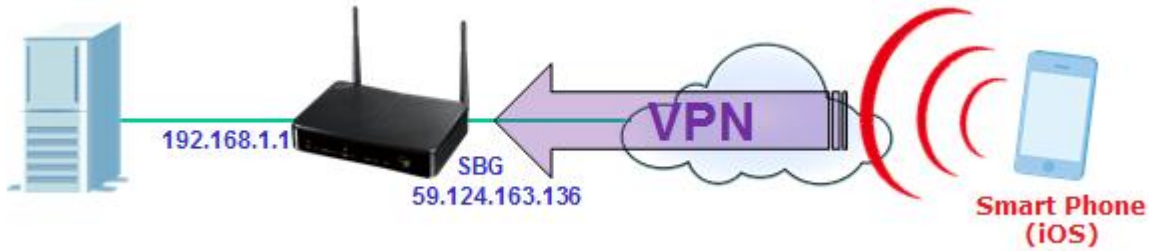


SBG3300 L2TP VPN for Smart Phone (iOS)

Scenario:



Step By Step Procedure:

SBG3300

Step 1: Let SBG3300 get WAN IP which can be reached by Smart Phone.

The screenshot shows the ZyXEL web interface for the SBG3300 router. The browser address bar shows the URL 59.124.163.136/index.html. The interface displays the following information:

- Device Information:** Host Name: ZyXEL, Model Number: SBG3300, Firmware Version: V1.00(AAKX.2)b1.
- WAN Information:** WAN Type: Ethernet WAN, MAC Address: FC:F5:28:5D:56:E5, IP Address: 59.124.163.136, IP Subnet Mask: 255.255.255.224, Encapsulation: IPoE.
- LAN Information:** IP Address: 192.168.2.1, IP Subnet Mask: 255.255.255.0, DHCP: Server, MAC Address: FC:F5:28:5D:56:E2.
- WLAN Information:** MAC Address: FC:F5:28:5D:56:E3, Status: On, SSID: ZyXELD56E2, Channel: Auto (Current: 1), Security: Mixed WPA2-PSK/WPA-PSK, 802.11 Mode: 802.11b/g/n Mixed, WPS: Configured.
- System Status:** System Up Time: 0 days: 1 hours: 21 minutes, Current Date/Time: 27 Dec 2013 10:36:43, System Resource: CPU Usage: 3.50%, Memory Usage: 56%.
- WAN Status:** A table showing WAN connections: ADSL (Down, Active), VDSL (Down, Active), ETHWAN (Up, Active, IPoE, 10M/10M), eth3G (Down, Active, Cellular), ppp3G (Down, Passive, Cellular).
- IPSec VPN Status:** A table with columns: #, Name, Application Scenario, Remote Gateway Address.

Step 2: VPN > IPsec VPN > Setup > "Default_L2TPVPN" > "Edit". (Enable VPN configuration)

The screenshot shows the ZyXEL web interface for the SBG3300 router, specifically the IPsec VPN Setup page. The browser address bar shows the URL 59.124.163.136/index.html. The interface displays the following information:

- IPSec VPN Setup:** A table with columns: #, Enable, Name, Remote Gateway Address, Local Gateway Address, Remote Policy, Local Policy, Modify.
- Table Content:** A single entry is shown: # 1, Enable (lightbulb icon), Name: Default_L2TPVPN, Remote Gateway Address: Dynamic, Local Gateway Address: Any, Remote Policy: N/A, Local Policy: N/A, Modify (pencil icon).

Step 3: Select "Enable" and fill in the Pre-Shared Key (e.g. 12345678) > "Apply".

IPSec VPN Entry Edit Configuration

General

Enable :

Connection Name : Default_L2TPVPN

Nailed-up :

NAT Traversal (NAT-T) :

Application Scenario : Remote Access

My Address : Any

Authentication

Pre-Shared Key : 12345678

Certificate :

Local ID Type : Any

Remote ID Type : Any

Phase 1

SA Life Time : 86400

Negotiation Mode : Main

Encryption :

Authentication :

Encryption	Authentication	Modify
3DES	SHA1	
3DES	MD5	
AES256	SHA1	

Key Group : DH2

Dead Peer Detection (DPD) :

Extended Authentication (XAUTH)

Phase 2

SA Life Time : 3600

Tunnel Mode : ESP

Encapsulation : Transport

Encryption :

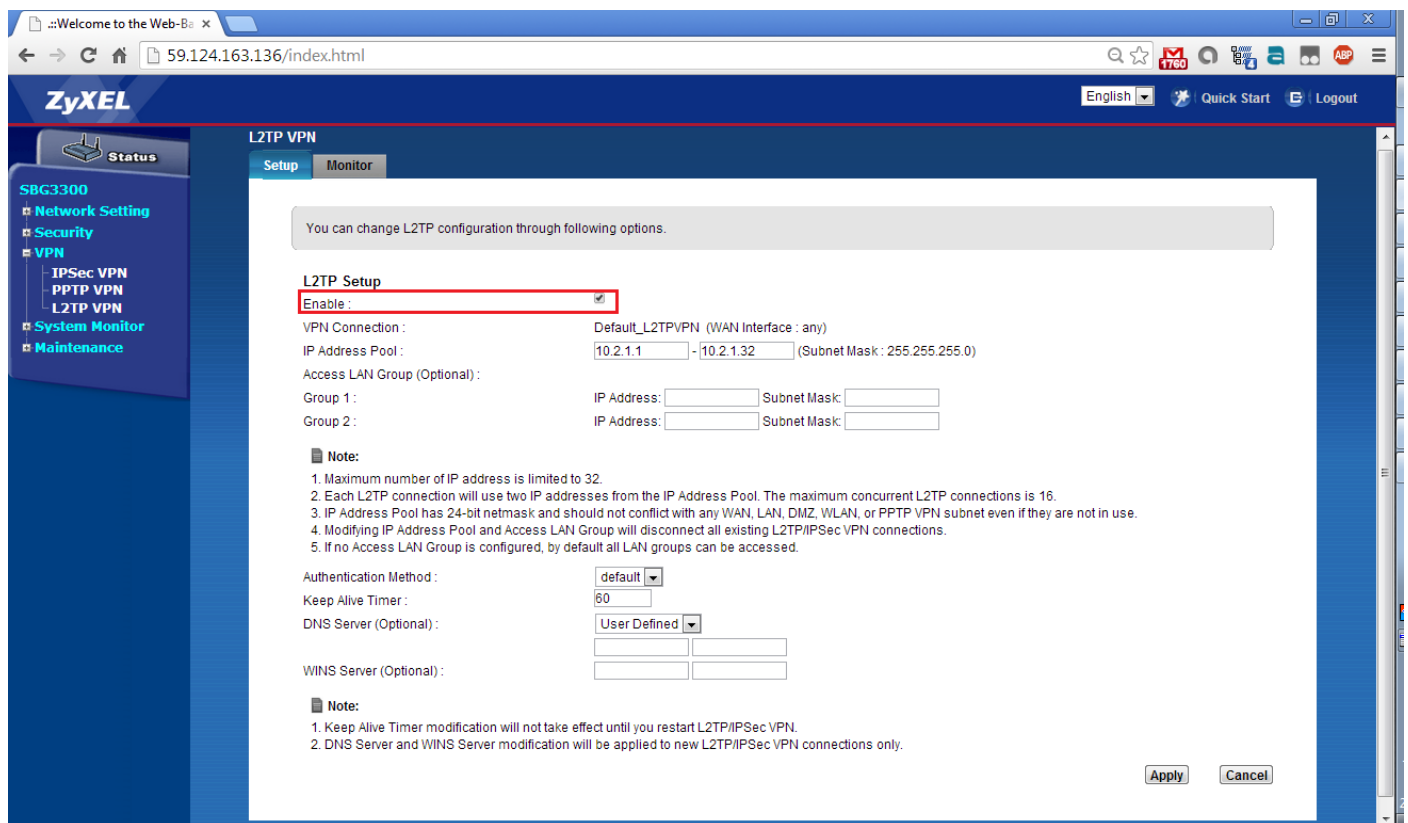
DES,3DES,AES256

Authentication :

MD5,SHA1

Perfect Forward Secrecy (PFS) : DH1

Step 4: VPN > L2TP VPN > Setup > L2TP Setup > Select “Enable” > “Apply”. (Enable L2TP VPN)



Smart Phone (iOS)

Step 1: “Setting” > “General” > “VPN” > “Add VPN Configuration”.







Step 2: Configure the required information.

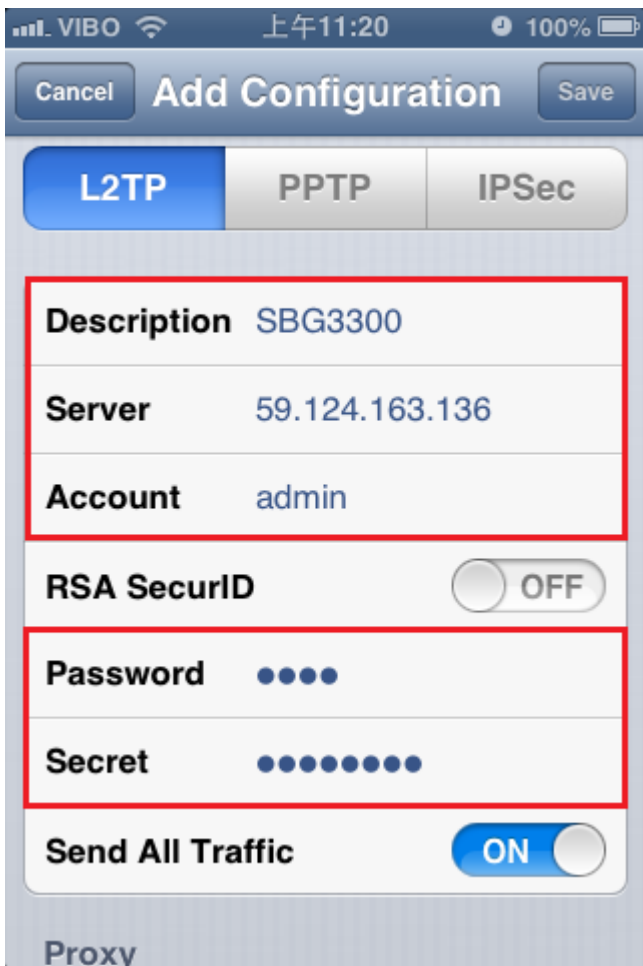
Description: A name for the VPN configuration

Server: The VPN peer Gateway address

Account: L2TP account which according to SBG3300 local database ([admin](#))

Password: L2TP account password which according to SBG3300 local database ([1234](#))

Secret: SBG3300 VPN tunnel **Pre-shared Key** ([12345678](#))



The Smart Phone (iOS) will try to connect to L2TP VPN automatically once the VPN configuration has been saved.



When L2TP VPN tunnel has been connected, the smart phone will show the VPN status on VPN configuration page.



Click the "Status" to check the VPN status



You can also turn on/off VPN configuration on "Setting".



When VPN tunnel has been established, smart phone will display a “VPN” symbol on top information bar.

