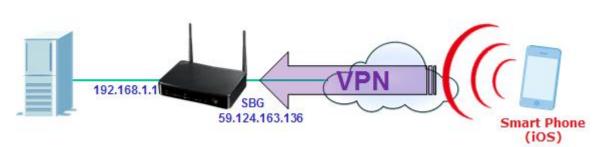
SBG3300 L2TP VPN for Smart Phone (iOS)

Scenario:



Step By Step Procedure:

SBG3300

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

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| ZyXEL | | | | | | | English - | 🔹 🋞 Qui | ick Start 🕒 | Logout |
| Status | Status | | | | | | | Refresh | Interval: Nor | ie 💌 |
| SBG3300 | Device Information | | | System State | us | _ | | _ | _ | |
| -Network Setting | Host Name: | ZvXEL | | System Up Ti | ime: | 0 da | ys: 1 hours: 21 minute | s | | |
| Security | Model Number: | SBG3300 | | Current Date | | | ec 2013 10:36:43 | | | |
| P -VPN | Firmware Version: | V1.00(AAKX.2)b1 | | System Reso | ource: | | | | | |
| B-System Monitor | WAN Information | | | - CPU Usao | e: | | | 3.50% | | |
| | - WAN Type: | Ethernet WAN | | | | | | 56% | | |
| Maintenance | - MAC Address: | FC:F5:28:5D:56:E5 | | - Memory Us | sage. | | | 50% | | |
| | - IP Address: | 59.124.163.136 | | | | | | | | |
| | - IP Subnet Mask: | 255.255.255.224 | | | | | | | | |
| | - Encapsulation: | IPoE | | WAN Status | _ | _ | | _ | _ | |
| | | | | | | | | | | |
| | LAN Information | | | WAN | Status | Mode | IP Address | Connection | Speed (DL | |
| | - IP Address: | 192.168.2.1 | | ADSL | Down | Active | | IPoE | | |
| | - IP Subnet Mask: | 255.255.255.0 | | VDSL | Down | Active | | IPoE | | Virtual |
| | - DHCP: | Server | | ETHWAN | Up | Active | 59.124.163.136 | IPoE | 10M/10M | Device |
| | - MAC Address: | FC:F5:28:5D:56:E2 | _ | eth3G | Down | Active | | Cellular | | |
| | WLAN Information | | | pppo3G | Down | Passive | | Cellular | | |
| | - MAC Address: | FC:F5:28:5D:56:E3 | | | | | | | |] |
| | - Status: | On Discoso | | | | | | | | |
| | - SSID: | ZyXELD56E2 | | IP Sec VPN S | tatue | | | | | |
| | - Channel: | Auto (Current: 1) | | IP SEC VPN S | latus | | | | _ | |
| | - Security: - 802.11 Mode: | Mixed WPA2-PSK/WPA-PSK | | # | Name | | Application Scenario | | te Gateway Idress | |
| | - 802.11 Mode: - WPS; | 802.11b/g/n Mixed Configured | | | | | | ~ | 101000 | |
| | - 11-0. | Configured | | | | | | | | |
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Step 2: VPN > IPSec VPN > Setup > "Default_L2TPVPN" > "Edit". (Enable VPN configuration)

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| Status | IPSec V Setup | PN Mor | nitor I | Radius | | | | | | |
| SBG3300 P Network Setting P Security E VPN LIPSec VPN | | Add Ne | w Entry | | | | | | | |
| – PPTP VPN – L2TP VPN | | # | Enable | Name | Remote Gateway Address | Local Gateway Address | Remote Policy | Local Policy | Modify | |
| System Monitor Maintenance | | 1 | 9 | Default_L2TPVPN | Dynamic | Any | N/A | N/A | 2 | |
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Step 3: Select "Enable" and fill in the Pre-Shared Key (e.g. 12345678) > "Apply".

| ult_L2TPVPN | | Authentication SHA1 MD5 | l | odify | E |
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| Status | L2TP VPN Setup Monitor | | | | | Ĥ |
| SBG3300 P Network Setting P Security = VPN | You can change L2TP configuration through following options. | | | | | |
| IPSec VPN PPTP VPN L2TP VPN System Monitor | L2TP Setup Enable : VPN Connection : Default_L2TPVPN (WAN Interface : any) | | | | | |
| # Maintenance | IP Address Pool : 10.2.1.1 - 10.2.1.32 (Subnet Mask : 255.255.255.0) Access LAN Group (Optional) : | | | | | |
| | Note: Maximum number of IP address is limited to 32. Each L2TP connection will use two IP addresses from the IP Address Pool. The maximum concurrent L2TP connections is 16. IP Address Pool has 24-bit netmask and should not conflict with any WAN, LAN, DMZ, WLAN, or PPTP VPN subnet even if they are not in use. Modifying IP Address Pool and Access LAN Group will disconnect all existing L2TP/IPSec VPN connections. If no Access LAN Group is configured, by default all LAN groups can be accessed. | | | | | Ш. |
| | Authentication Method : default • Keep Alive Timer : 60 DNS Server (Optional) : User Defined • | | | | | |
| | WINS Server (Optional) : Note: Neep Alive Timer modification will not take effect until you restart L2TP/IPSec VPN. | | | | | |
| | 2. DNS Server and WINS Server modification will be applied to new L2TP/IPSec VPN connections only. | Apply | Cancel | | | |

Smart Phone (iOS)

Step 1: "Setting" > "General" > "VPN" > "Add VPN Configuration".



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| General | VPN | |
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| VPN | | OFF |
| Choose a (| Configuration. | |
| Add VP | N Configuratio | on > |
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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)

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|-----------------|---------------------|-----------|--|--|--|
| Cancel Add | Configura | tion Save | | | |
| L2TP | PPTP | IPSec | | | |
| | | | | | |
| Description | SBG3300 | | | | |
| Server | 59.124.163 | .136 | | | |
| Account | admin | | | | |
| RSA SecurID OFF | | | | | |
| Password | •••• | | | | |
| Secret | ••••• | | | | |
| Send All Tra | Send All Traffic ON | | | | |
| Proxy | | | | | |

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.

