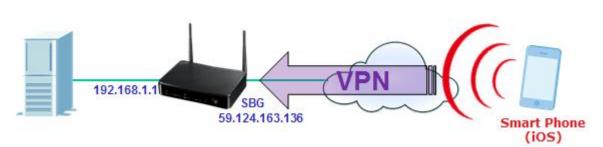
# SBG3300 L2TP VPN for Smart Phone (iOS)

### Scenario:



## **Step By Step Procedure:**

#### SBG3300

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

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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			
<b>P</b> -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								

Step 2: VPN > IPSec VPN > Setup > "Default\_L2TPVPN" > "Edit". (Enable VPN configuration)

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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	

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

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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: <ol> <li>Maximum number of IP address is limited to 32.</li> <li>Each L2TP connection will use two IP addresses from the IP Address Pool. The maximum concurrent L2TP connections is 16.</li> <li>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.</li> <li>Modifying IP Address Pool and Access LAN Group will disconnect all existing L2TP/IPSec VPN connections.</li> <li>If no Access LAN Group is configured, by default all LAN groups can be accessed.</li> </ol>					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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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.

