

This is examples on VPN application and settings are only for examples.

- IPSEC
- PPTP-Remote Access
- PPTP-LAN to LAN
- L2TP-Remote Access
- L2TP-LAN to LAN
- GRE

1.1 IPSEC

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router-----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.66.24

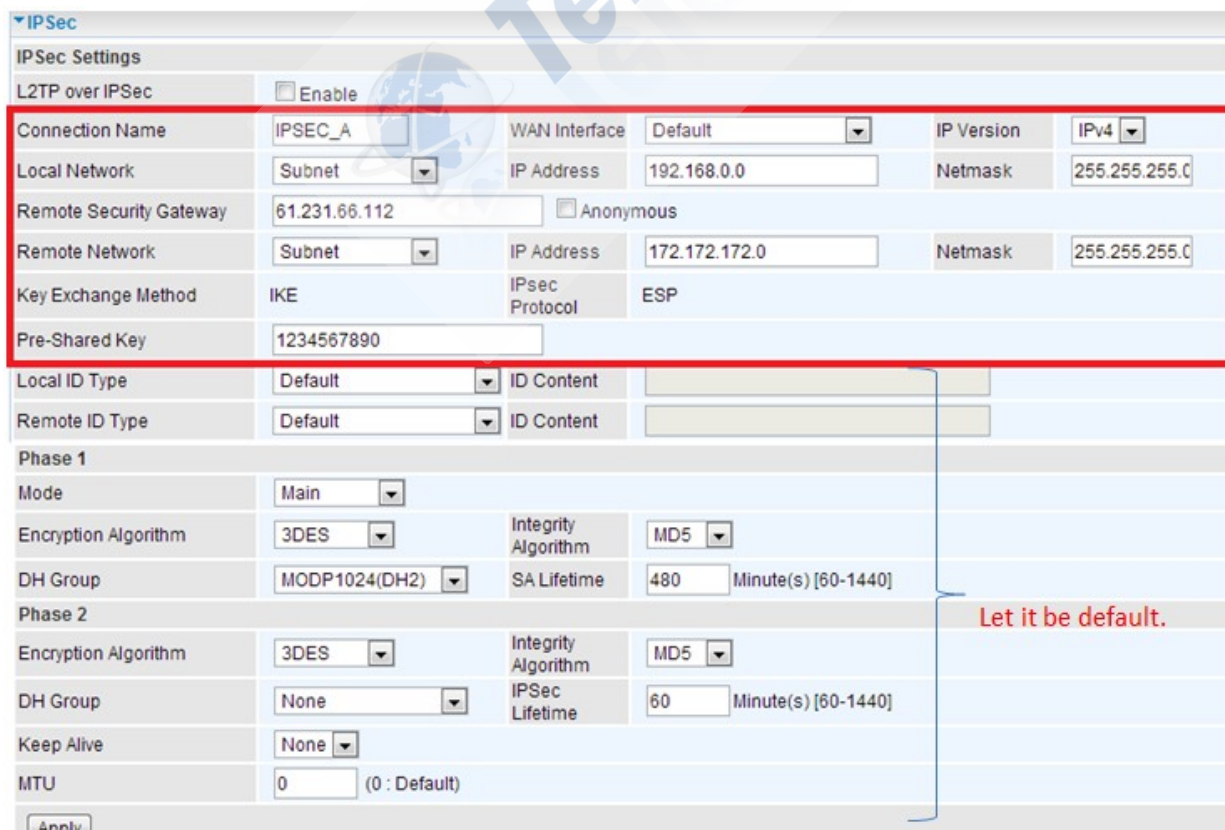
Router: WAN IP: 61.231.66.112

PC_B: 172.172.172.2

1.1.1 TW-EAV510v2 setting

On VPN>IPSEC, please add a profile as below:

- 1)Connection Name: IPSEC_A
- 2)Local Network: 192.168.0.0/255.255.255.0
- 3)Remote Security Gateway: 61.231.66.112
- 4)Remote Network: 172.172.172.0/255.255.255.0
- 5)Pre-Shared Key: 1234567890



IPSec Settings

L2TP over IPsec ☐ Enable

Connection Name: IPSEC_A WAN Interface: Default IP Version: IPv4

Local Network: Subnet IP Address: 192.168.0.0 Netmask: 255.255.255.0

Remote Security Gateway: 61.231.66.112 Anonymous ☐

Remote Network: Subnet IP Address: 172.172.172.0 Netmask: 255.255.255.0

Key Exchange Method: IKE IPsec Protocol: ESP

Pre-Shared Key: 1234567890

Local ID Type: Default ID Content:

Remote ID Type: Default ID Content:

Phase 1

Mode: Main

Encryption Algorithm: 3DES Integrity Algorithm: MD5

DH Group: MODP1024(DH2) SA Lifetime: 480 Minute(s) [60-1440]

Phase 2

Encryption Algorithm: 3DES Integrity Algorithm: MD5

DH Group: None IPsec Lifetime: 60 Minute(s) [60-1440]

Keep Alive: None

MTU: 0 (0 : Default)

Apply

Let it be default.

1.1.2 Router setting

- 1) Connection Name: IPSEC_B
- 2) Local Network: 172.172.172.0/255.255.255.0
- 3) Remote Security Gateway: 61.231.66.24
- 4) Remote Network: 192.168.0.0/255.255.255.0
- 5) Pre-Shared Key: 1234567890

IPSec

IPSec Settings

L2TP over IPSec ☐ Enable

Connection Name	IPSEC_B	WAN Interface	Default	IP Version	IPv4
Local Network	Subnet	IP Address	172.172.172.0	Netmask	255.255.255.0
Remote Security Gateway	61.231.66.24	<input type="checkbox"/> Anonymous			
Remote Network	Subnet	IP Address	192.168.0.0	Netmask	255.255.255.0
Key Exchange Method	IKE	IPsec Protocol	ESP		
Pre-Shared Key	1234567890				

Local ID Type: Default ID Content:

Remote ID Type: Default ID Content:

Phase 1

Mode: Main

Encryption Algorithm: 3DES Integrity Algorithm: MD5

DH Group: MODP1024(DH2) SA Lifetime: 480 Minute(s) [60-1440]

Phase 2

Encryption Algorithm: 3DES Integrity Algorithm: MD5

DH Group: None IPsec Lifetime: 60 Minute(s) [60-1440]

Keep Alive: None

Let it be default.

- 1.1.3 **Active** both IPSEC profile. And then check TW-EAV510v2 Web GUI.
On Status>VPN>IPSEC:

IPSec Status

VPN Tunnels					
Name	Active	Local Subnet	Remote Subnet	Remote Gateway	SA
IPSEC_A	✓	192.168.0.0 -- 255.255.255.0	172.172.172.0 -- 255.255.255.0	61.231.66.112	ESP : Hash: MD5, Cipher: 3DES

- 1.1.4 PC_A can ping PC_B and PC_B can ping to PC_A. IPSEC tunnel is up.

```
Pinging 172.172.172.2 with 32 bytes of data:
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128

Ping statistics for 172.172.172.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

1.2 PPTP-Remote Access

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router-----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.64.62 [PPTP Server]

Router: WAN IP: 61.231.110.253 [PPTP Client]

PC_B: 172.172.172.3

1.2.1 TW-EAV510v2 PPTP Server setting.

On VPN>PPTP>PPTP Server

1)Enable PPTP

2)IP Address assigned to Peer: 192.168.0.109.

▼ PPTP Server	
Parameters	
PPTP Function	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
WAN Interface	Default
Auth. Type	Pap or Chap
Encryption Key Length	Auto
Peer Encryption Mode	Only Stateless
IP Addresses Assigned to Peer	start from : 192.168.0. 109
Idle Timeout	0 [0-120] Minute(s)
Exceptional Rule Group	None
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

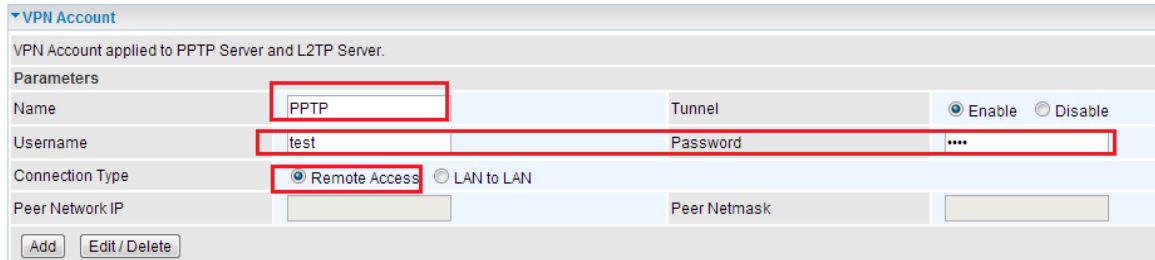
1.2.2 TW-EAV510v2 PPTP Account setting

On VPN>VPN Account

1)Name: PPTP

2)Username/password=test/test

3)Connection: Remote Access



VPN Account

VPN Account applied to PPTP Server and L2TP Server.

Parameters

Name	PPTP	Tunnel	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Username	test	Password	test
Connection Type	<input checked="" type="radio"/> Remote Access <input type="radio"/> LAN to LAN		
Peer Network IP		Peer Netmask	

Add Edit / Delete

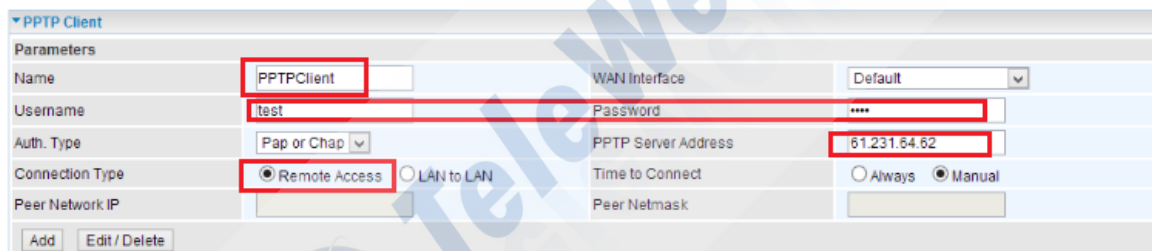
1.2.3 Router PPTP Client setting.

1)Name: PPTPClient

2)Username/password=test/test

3)PPTP Server Address=61.231.64.62

4)Connection Type: Remote Access



PPTP Client

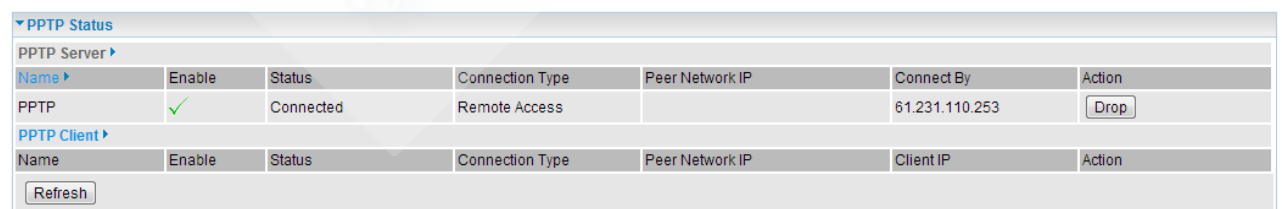
Parameters

Name	PPTPClient	WAN Interface	Default
Username	test	Password	test
Auth. Type	Pap or Chap	PPTP Server Address	61.231.64.62
Connection Type	<input checked="" type="radio"/> Remote Access <input type="radio"/> LAN to LAN		
Peer Network IP		Time to Connect	<input type="radio"/> Always <input checked="" type="radio"/> Manual
Peer Netmask			

Add Edit / Delete

1.2.4 Enable PPTP client and then check both PPTP status.

PPTP Server site:



PPTP Status

PPTP Server


Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
PPTP	<input checked="" type="checkbox"/>	Connected	Remote Access		61.231.110.253	Drop

PPTP Client

Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
PPTPClient	<input checked="" type="checkbox"/>	Connected	Remote Access	192.168.0.254 (61.231.64.62)	192.168.0.109	Disconnect

Refresh

PPTP Client site:



PPTP Status

PPTP Server

Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
PPTP	<input checked="" type="checkbox"/>	Connected	Remote Access		61.231.110.253	Drop

PPTP Client

Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
PPTPClient	<input checked="" type="checkbox"/>	Connected	Remote Access	192.168.0.254 (61.231.64.62)	192.168.0.109	Disconnect

Refresh

TW-EAV510v2 VPN Operation Guide

1.2.5 At PPTP Server site.

PC_A cannot ping any subnet at PPTP client except for the IP assigned to PPTP client.

```
Pinging 192.168.0.120 with 32 bytes of data:
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126
Reply from 192.168.0.109 bytes=32 time=24ms TTL=126
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126

Ping statistics for 192.168.0.109
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 24ms, Maximum = 26ms, Average = 25ms
```

```
Pinging 172.172.172.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.172.172.3
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

1.2.6 At PPTP Client site.

PC_B can ping to PC_A and also TW-EAV510v2 gateway IP.

```
Pinging 192.168.0.109 with 32 bytes of data:
Reply from 192.168.0.109: bytes=32 time=3ms TTL=64
Reply from 192.168.0.109: bytes=32 time=1ms TTL=64
Reply from 192.168.0.109: bytes=32 time=16ms TTL=64
Reply from 192.168.0.109: bytes=32 time=6ms TTL=64

Ping statistics for 192.168.0.109:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 16ms, Average = 6ms
```

```
Pinging 192.168.0.254 with 32 bytes of data:
Reply from 192.168.0.254: bytes=32 time=31ms TTL=63
Reply from 192.168.0.254: bytes=32 time=31ms TTL=63
Reply from 192.168.0.254: bytes=32 time=28ms TTL=63
Reply from 192.168.0.254: bytes=32 time=42ms TTL=63

Ping statistics for 192.168.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 28ms, Maximum = 42ms, Average = 33ms
```


1.3 PPTP-LAN to LAN

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.66.24 [PPTP Server]

Router: WAN IP: 61.231.66.112 [PPTP Client]

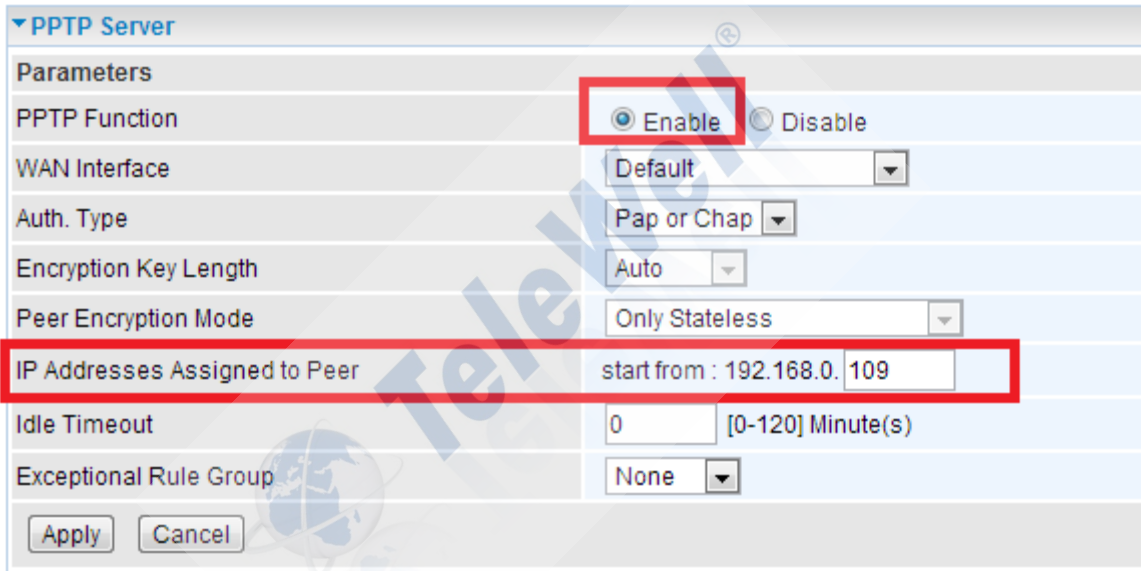
PC_B: 172.172.172.2

1.3.1 TW-EAV510v2 setting(PPTP Server setting):

On VPN>PPTP>PPTP Server, please do

1)Enable PPTP Function

2)Set IP Address Assigned to Peer: 192.168.0.109.

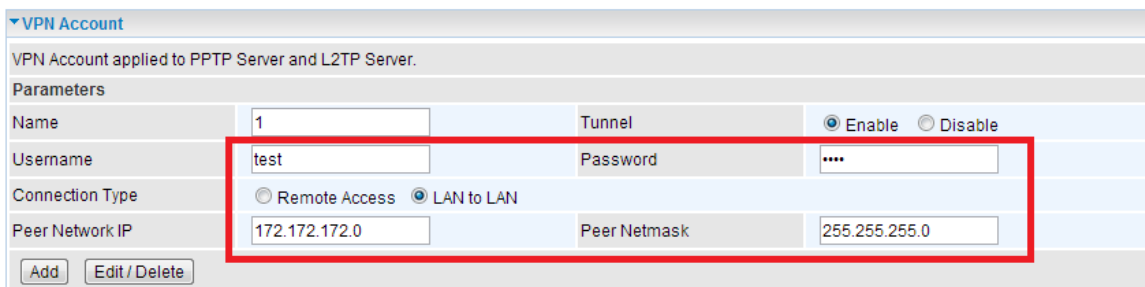


On VPN>VPN Account, please add account-test.

1)Input username/password=test/test

2)Connection Type: LAN to LAN

3)Peer Network: 172.172.172.0/255.255.255.0.



1.3.2 Router setting(PPTP Client setting)

- 1) Input username/password=test/test
- 2) PPTP Server Address: 61.231.66.24
- 3) Connection Type: LAN to LAN
- 4) Peer Network: 192.168.0.0/255.255.255.0.

PPTP Client

Parameters

Name	test	WAN Interface	Default
Username	test	Password	****
Auth. Type	Pap or Chap	PPTP Server Address	61.231.66.24
Connection Type	<input type="radio"/> Remote Access <input checked="" type="radio"/> LAN to LAN	Time to Connect	<input type="radio"/> Always <input checked="" type="radio"/> Manual
Peer Network IP	192.168.0.0	Peer Netmask	255.255.255.0

Add Edit / Delete

1.3.3 Enable this PPTP client profile and then check TW-EAV510v2 Web GUI

Edit	Enable	Default Gateway	Name	Time to Connect	PPTP Server Address	Connection Type	Peer Network IP	Peer Netmask	Delete
<input type="radio"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	test	Manual	61.231.66.24	LAN to LAN	192.168.0.0	255.255.255.0	<input type="checkbox"/>

On Status>VPN>PPTP, you can see it success.

PPTP Status

PPTP Server

Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
1	<input checked="" type="checkbox"/>	Connected	LAN to LAN	172.172.172.0	61.231.66.112	Drop

PPTP Client

Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
------	--------	--------	-----------------	-----------------	-----------	--------

Refresh

1.3.4 PC_A can ping to PC_B and PC_B can ping PC_A also.

```
Pinging 172.172.172.2 with 32 bytes of data:
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128
Reply from 172.172.172.2: bytes=32 time<1ms TTL=128

Ping statistics for 172.172.172.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```


1.4 L2TP-Remote Access

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router-----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.64.62 [L2TP Server]

Router: WAN IP: 61.231.110.253 [L2TP Client]

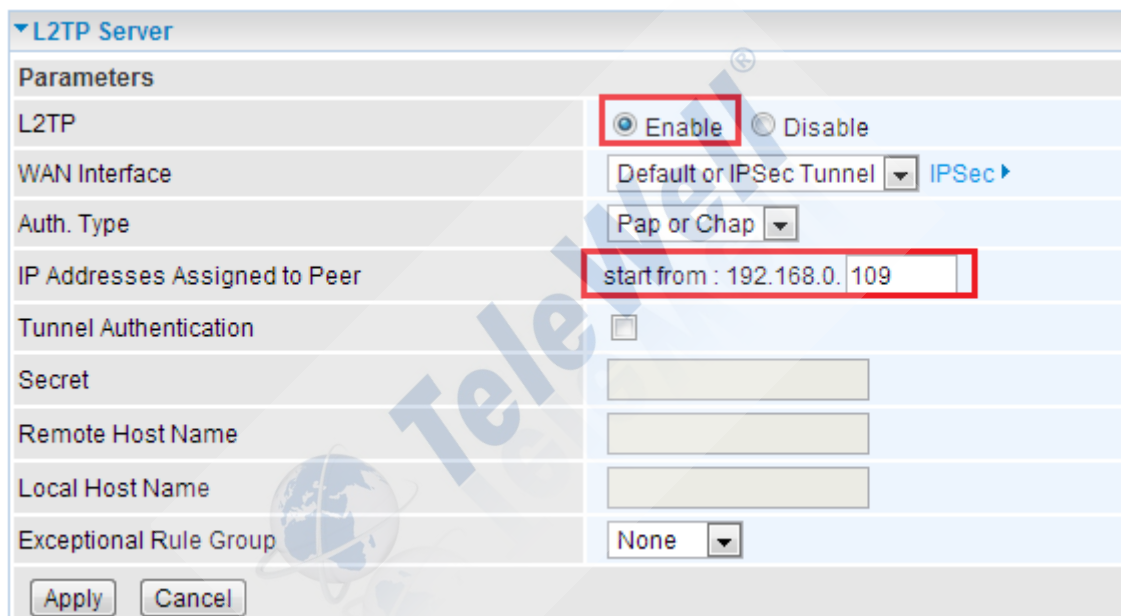
PC_B: 172.172.172.3

1.4.1 TW-EAV510v2 L2TP Server setting

On VPN>L2TP>L2TP Server

1)Enable L2TP

2)IP Address assigned to Peer: 192.168.0.109.



1.4.2 TW-EAV510v2 L2TP Account setting

On VPN>VPN Account.

1)Name:L2TP

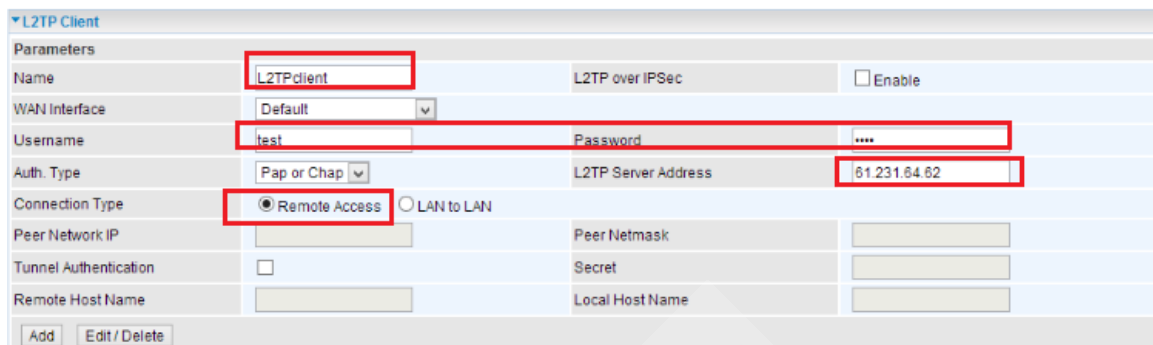
2)Username/password=test/test

3)Connection: Remote Access



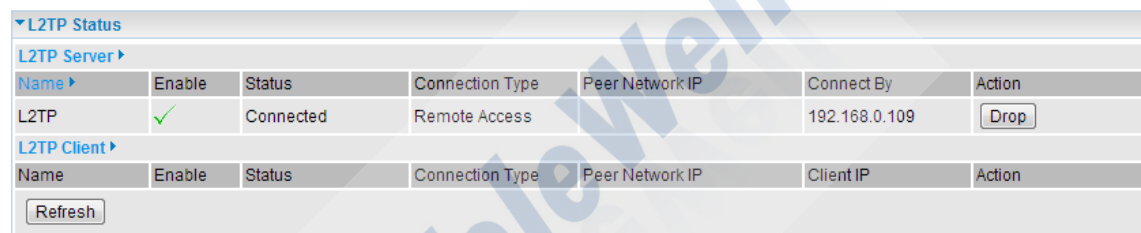
1.4.3 Router L2TP Client setting.

- 1)Name:L2TPclient
- 2)Username/password=test/test
- 3)L2TP Server Address=61.231.64.62
- 4)Connection Type: Remote Access



1.4.4 Enable L2TP client and then check both L2TP status.

L2TP Server site:



L2TP Server						
Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
L2TP	✓	Connected	Remote Access		192.168.0.109	Drop

L2TP Client						
Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action

L2TP Client site:



L2TP Server						
Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action

L2TP Client						
Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
L2TPclient	✓	Connected	Remote Access	192.168.0.254 (61.231.64.62)	192.168.0.109	Disconnect

1.4.5 At L2TP Server site.

PC_A cannot ping any subnet at L2TP client except for the IP assigned to L2TP client.

```
Pinging 192.168.0.120 with 32 bytes of data:
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126
Reply from 192.168.0.109 bytes=32 time=24ms TTL=126
Reply from 192.168.0.109 bytes=32 time=26ms TTL=126

Ping statistics for 192.168.0.109
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 24ms, Maximum = 26ms, Average = 25ms
```

```
Pinging 172.172.172.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.172.172.3
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

1.4.6 At L2TP Client site.

PC_B can ping to PC_A and also TW-EAV510v2 gateway IP.

```
Pinging 192.168.0.109 with 32 bytes of data:
Reply from 192.168.0.254 bytes=32 time=6ms TTL=64
Reply from 192.168.0.254 bytes=32 time=24ms TTL=64

Ping statistics for 192.168.0.254
    Packets: Sent = 2, Received = 2, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 24ms, Average = 15ms
```

```
Pinging 192.168.0.120 with 32 bytes of data:
Reply from 192.168.0.120: bytes=32 time=678ms TTL=126
Reply from 192.168.0.120: bytes=32 time=29ms TTL=126
Reply from 192.168.0.120: bytes=32 time=45ms TTL=126
Reply from 192.168.0.120: bytes=32 time=27ms TTL=126

Ping statistics for 192.168.0.120:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 27ms, Maximum = 678ms, Average = 194ms
```

1.5 L2TP-LAN to LAN

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router-----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.64.62 [L2TP Server]

Router: WAN IP: 61.231.110.253 [L2TP Client]

PC_B: 172.172.172.3

1.5.1 TW-EAV510v2 L2TP Server setting

On VPN>L2TP Server

1) Enable L2TP

2) IP Address assigned to Peer: 192.168.0.109.



L2TP Server	
Parameters	
L2TP	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
WAN Interface	Default or IPsec Tunnel IPsec ▶
Auth. Type	Pap or Chap ▼
IP Addresses Assigned to Peer	start from : 192.168.0.109
Tunnel Authentication	<input type="checkbox"/>
Secret	<input type="text"/>
Remote Host Name	<input type="text"/>
Local Host Name	<input type="text"/>
Exceptional Rule Group	None ▼
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

1.5.2 TW-EAV510v2 L2TP Account setting

On VPN>VPN Account

1) Name: L2TP

2) Username/password=test/test

3) Connection Type: LAN to LAN

4) Peer Network: 172.172.172.0/255.255.255.0

VPN Account

VPN Account applied to PPTP Server and L2TP Server.

Parameters

Name	L2TP	Tunnel	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Username	test	Password	****
Connection Type	<input type="radio"/> Remote Access <input checked="" type="radio"/> LAN to LAN		
Peer Network IP	172.172.172.0	Peer Netmask	255.255.255.0

1.5.3 Router L2TP Client setting.

- 1)Name: L2TPclient
- 2)Username/password=test/test
- 3)L2TP Server Address=61.231.64.62
- 4)Connection: LAN to LAN
- 5)Peer Network:192.168.0.0/255.255.255.0

L2TP Client

Parameters

Name	L2TPclient	L2TP over IPsec	<input type="checkbox"/> Enable
WAN Interface	Default		
Username	test	Password	****
Auth. Type	Pap or Chap	L2TP Server Address	61.231.64.62
Connection Type	<input type="radio"/> Remote Access <input checked="" type="radio"/> LAN to LAN		
Peer Network IP	192.168.0.0	Peer Netmask	255.255.255.0
Tunnel Authentication	<input type="checkbox"/>	Secret	
Remote Host Name		Local Host Name	

1.5.4 Enable L2TP client and then check both L2TP status. L2TP Server site:

L2TP Status

L2TP Server

Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
L2TP	✓	Connected	LAN to LAN	172.172.172.0	192.168.0.109	<input type="button" value="Drop"/>

L2TP Client

Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
L2TPclient	✓	Connected	LAN to LAN	192.168.0.254 (61.231.64.62)	192.168.0.109	<input type="button" value="Disconnect"/>

L2TP Client site:

L2TP Status

L2TP Server

Name	Enable	Status	Connection Type	Peer Network IP	Connect By	Action
L2TP	✓	Connected	LAN to LAN	172.172.172.0	192.168.0.109	<input type="button" value="Drop"/>

L2TP Client

Name	Enable	Status	Connection Type	Peer Network IP	Client IP	Action
L2TPclient	✓	Connected	LAN to LAN	192.168.0.254 (61.231.64.62)	192.168.0.109	<input type="button" value="Disconnect"/>

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1.5.5 At L2TP Server site.

PC_A can ping to PC_B and also Router's gateway IP.

```
Pinging 172.172.172.3 with 32 bytes of data:
Reply from 172.172.172.3: bytes=32 time<1ms TTL=128
Reply from 172.172.172.3: bytes=32 time<1ms TTL=128
Reply from 172.172.172.3: bytes=32 time<1ms TTL=128
Reply from 172.172.172.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.172.172.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
Pinging 172.172.172.254 with 32 bytes of data:
Reply from 172.172.172.254: bytes=32 time=1ms TTL=64
Reply from 172.172.172.254: bytes=32 time=3ms TTL=64
Reply from 172.172.172.254: bytes=32 time=6ms TTL=64
Reply from 172.172.172.254: bytes=32 time=2ms TTL=64

Ping statistics for 172.172.172.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 6ms, Average = 3ms
```


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1.5.6 At L2TP Client site.PC B canto PC A and also TW-EAV510v2

```
Pinging 192.168.0.120 with 32 bytes of data:
Reply from 192.168.0.120: bytes=32 time=289ms TTL=126
Reply from 192.168.0.120: bytes=32 time=27ms TTL=126
Reply from 192.168.0.120: bytes=32 time=32ms TTL=126
Reply from 192.168.0.120: bytes=32 time=26ms TTL=126

Ping statistics for 192.168.0.120:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 26ms, Maximum = 289ms, Average = 93ms
```

```
Pinging 192.168.0.254 with 32 bytes of data:
Reply from 192.168.0.254: bytes=32 time=38ms TTL=63
Reply from 192.168.0.254: bytes=32 time=32ms TTL=63
Reply from 192.168.0.254: bytes=32 time=32ms TTL=63
Reply from 192.168.0.254: bytes=32 time=31ms TTL=63

Ping statistics for 192.168.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 31ms, Maximum = 38ms, Average = 33ms
```

1.6 GRE

Network topology:

PC_A-----TW-EAV510v2-----Internet-----Router-----PC_B

PC_A: 192.168.1.120

TW-EAV510v2: WAN IP: 61.231.64.62

[Local] Router: WAN IP:

61.231.110.253[Remote] PC_B:

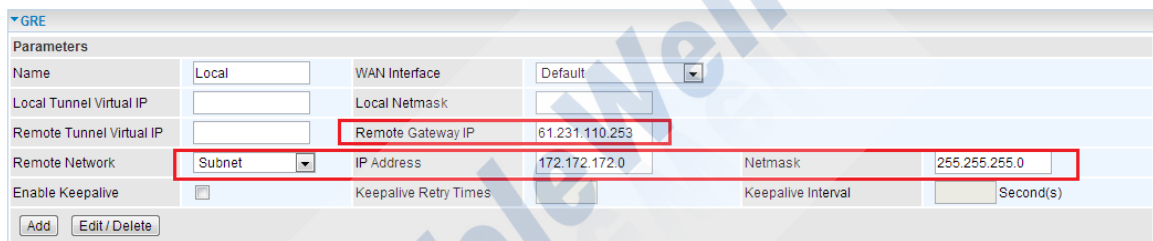
172.172.172.2

1.6.1 On TW-EAV510v2, please set GRE as below: On VPN>GRE.

1)Name: Local

2)Remote Gateway IP: 61.231.110.253

3)Subnet: 172.172.172.0/255.255.255.0

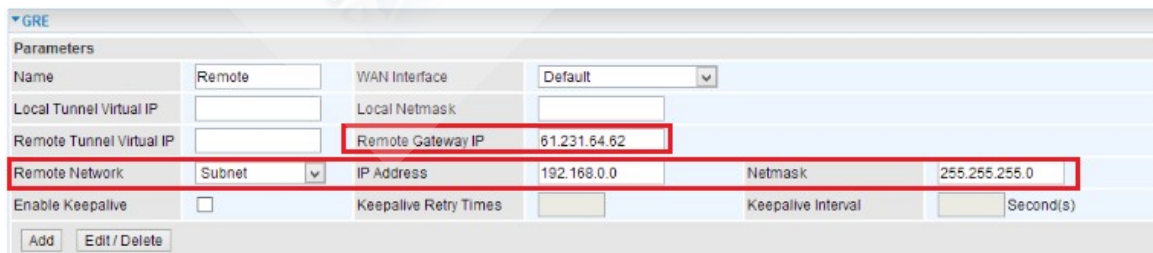


1.6.2 On Router, please set GRE as below:

1)Name: Remote

2)Remote Gateway IP: 61.231.64.62

3)Subnet: 192.168.0.0/255.255.255.0.



1.6.3 Active both GRE profile and then check both GRE status
Local:

GRE Status			
Name	Enable	Status	Remote Gateway IP
Local	✓	Connected	61.231.110.253
Refresh			

Remote:

GRE Status			
Name	Enable	Status	Remote Gateway IP
Remote	✓	Connected	61.231.64.62
Refresh			

1.6.4 Now, PC_B can ping to PC_A and TW-EAV510v2 gateway IP.

Result:

172.172.172.2 ping to 192.168.0.120 → Success

172.172.172.2 ping to 192.168.0.254 → Success

```
Pinging 192.168.0.120 with 32 bytes of data:
Reply from 192.168.0.120: bytes=32 time=61ms TTL=126
Reply from 192.168.0.120: bytes=32 time=29ms TTL=126
Reply from 192.168.0.120: bytes=32 time=67ms TTL=126
Reply from 192.168.0.120: bytes=32 time=29ms TTL=126

Ping statistics for 192.168.0.120:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 29ms, Maximum = 67ms, Average = 46ms
```

```
Pinging 192.168.0.254 with 32 bytes of data:
Reply from 192.168.0.254: bytes=32 time=475ms TTL=63
Reply from 192.168.0.254: bytes=32 time=247ms TTL=63
Reply from 192.168.0.254: bytes=32 time=196ms TTL=63
Reply from 192.168.0.254: bytes=32 time=94ms TTL=63

Ping statistics for 192.168.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 94ms, Maximum = 475ms, Average = 253ms
```