



BLUENET



INTERNET



**TRANSPORTE
DE DATOS**



**FIBRA
OSCURA**

GUATEMALA • EL SALVADOR



OFERTA EN STAND **MUM**

INSCRIBETE HOY
EN NUESTROS PROXIMOS CURSOS
Y OBTEN UN

50% DE
DESCUENTO

MikroTik@blue.net.gt



GUATEMALA
DEL 17 AL 22 DE FEBRERO

INTRODUCCIÓN
Y TCP/IP



HONDURAS
DEL 3 AL 8 DE FEBRERO

INTRODUCCIÓN
Y TCP/IP



MANUEL MUÑIZ

MikroTik
CERTIFIED TRAINER

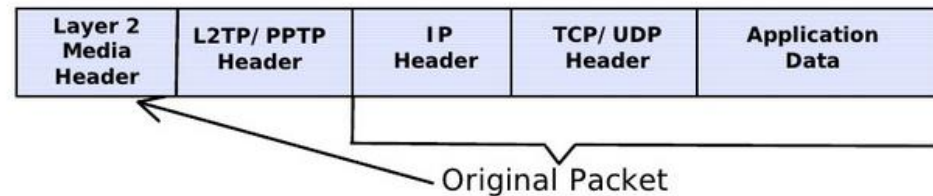




Túneles L2TP y EoIP Para Gestión y Conexión L2



- Tunneling with L2TP



La encapsulación de datos es el proceso que agrega la información adicional del encabezado del protocolo a los datos antes de la transmisión. En la mayoría de las formas de comunicaciones de datos, los datos originales se encapsulan o envuelven en varios protocolos antes de transmitirse

Túnel & Encapsulamiento

VPN



Una red privada virtual (RPV), en inglés: Virtual Private Network (VPN), es una tecnología de red de ordenadores que permite una extensión segura de la red de área local (LAN) sobre una red pública o no controlada como Internet



HONDURAS
DEL 3 AL 8 DE FEBRERO



Session Settings Dashboard

Safe Mode Session: 172.16.99.1

Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Switch
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
MetaROUTER
Partition
Make Supout.tif
Manual
New WinBox
Exit

IPsec

Policies Groups Peers Remote Peers Mode Configs Proposals Installed SAs Keys

	A...	Port	Propos...	Hash Al...	Encrypt...	Comment
	0.0....		obey	sha1	des 3d...	
X	181....		obey	sha1	des 3d...	

IPsec Peer <199.204.135.159>

General Advanced Encryption

Address: 199.205.135.156

Port:

Local Address: 190.114.89.250

Auth. Method: pre shared key

Exchange Mode: main

☐ Passive

Secret: !goodPass@eso#creo

OK
Cancel
Apply
Disable
Comment
Copy
Remove

enabled responder

255 IP

MPLS

Routing

System

Queues

Files

Log

Radius

Tools

New Terminal

MetaROUTER

Partition

Make Supout.tif

Manual

New WinBox

Exit

ARP

Accounting

Addresses

Cloud

DHCP Client

DHCP Relay

DHCP Server

DNS

Firewall

Hotspot

IPsec

Neighbors

Packing

Pool

Routes

SMB

SNMP

Services

Settings

Socks

TFTP

IPsec						
Policies Groups Peers Remote Peers Mode Configs Proposals Installed SAs Keys Users						
A...	Port	Propos...	Hash Al...	Encrypt...	Comment	
0.0...		obey	sha1	des 3d...		
X 181...		obey	sha1	des 3d...		
X 181...		obey	sha1	des 3d...		
X 199...		obey	sha1	3des	VPN-Fortigate	
X 199...		obey	sha1	des 3d...	Infranet-MK	
199...		obey	sha1	des 3d...	Infranet-MK	

IPsec Peer <199.204.135.159>

General

Advanced

Encryption

Hash Algorithm: sha1

Encryption Algorithm:

☒ des

☒ 3des

☒ aes-128

☒ aes-192

☒ aes-256

☒ blowfish

☒ camellia-128

☒ camellia-192

☒ camellia-256

DH Group:

☒ modp768

☒ modp1024

☒ ec2n155

☒ ec2n185

☒ modp1536

☒ modp2048

☒ modp3072

☒ modp4096

☒ modp6144

☒ modp8192

OK

Cancel

Apply

Disable

Comment

Copy

Remove

enabledresponder

IPsec Peer <199.204.135.159>

General

Advanced

Encryption

Policy Template Group: default

☒ Send Initial Contact

☒ NAT Traversal

My ID Type: auto

Mode Configuration:

Generate Policy: no

Lifetime: 00:30:00

Lifeytes:

DPD Interval: 120 s

DPD Maximum Failures: 5

Proposal Check: obey

Compatibility Options: ☐ skip peer id validation

OK

Cancel

Apply

Disable

Comment

Copy

Remove

enabledresponder

IPsec

Policies

Groups

Peers

Remote Peers

Mode Configs

Proposals

Installed SAs

Keys

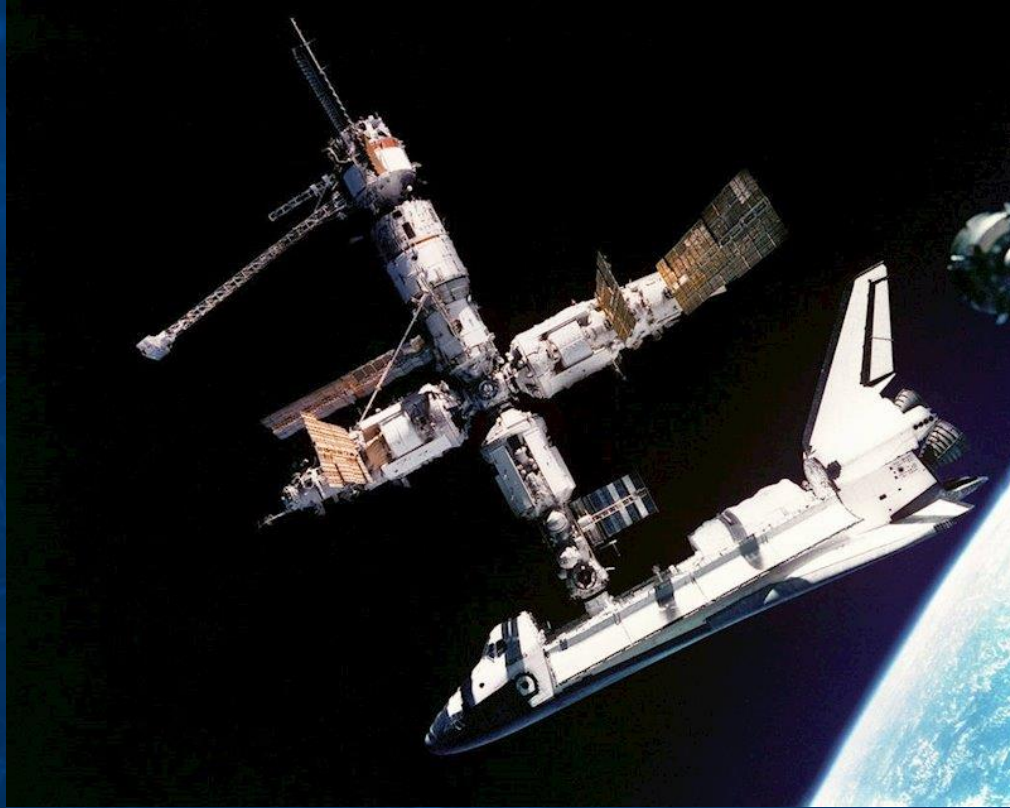
Users

Statistics

#		Src. Address	Src. Port	Dst. Address	Dst. Port	Protocol	Action	Level	Tunnel	PH2 State	Comment
38 A		10.10.1.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
41 A		10.10.4.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
42 A		10.10.12.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
57 A		10.10.40.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
44 A		10.10.66.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
37 A		10.20.30.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
36 A		10.20.60.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
43 A		10.20.61.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
45 A		10.30.30.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
46 A		40.40.40.8/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
47 A		45.30.60.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
48 A		50.60.70.0/28		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
49 A		60.60.60.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
50 A		70.70.70.8/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
51 A		75.75.75.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
52 A		76.76.76.0/28		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
53 A		77.77.77.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
54 A		89.89.89.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
33 A		170.80.20.0/22		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
55 A		172.16.24.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
31 A		172.16.95.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
32 A		172.16.98.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
28 A		172.16.99.0/24		199.119.237....		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
30 A		172.16.99.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
56 A		172.24.10.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet2
34 A		190.113.88.0/22		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
40 A		190.151.130.64/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
39 A		190.151.130.72/29		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
35 A		200.12.56.96/27		10.111.3.0/24		255 (all)	encrypt	unique	yes	established	Phase2-InfraNet
11 X		10.10.1.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
12 X		10.10.4.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
27 X		10.10.40.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
14 X		10.10.66.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
10 X		10.20.30.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
9 X		10.20.60.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
13 X		10.20.61.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
15 X		10.30.30.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
16 X		40.40.40.8/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
17 X		45.30.60.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
18 X		50.60.70.0/28		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
19 X		60.60.60.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
20 X		70.70.70.8/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
21 X		75.75.75.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
22 X		76.76.76.0/28		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
23 X		77.77.77.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
24 X		89.89.89.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
6 X		170.80.20.0/22		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
25 X		172.16.24.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2
4 X		172.16.95.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
5 X		172.16.98.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
1 X		172.16.99.0/24		199.119.237....		255 (all)	encrypt	unique	yes		Phase2-InfraNet
3 X		172.16.99.0/24		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet
2 X		172.16.99.0/24		199.204.135....		255 (all)	encrypt	unique	yes		Phase2-InfraNet
29 X		172.16.99.0/24		199.204.135....		255 (all)	encrypt	unique	yes		Phase2-InfraNet
26 X		172.24.10.0/29		10.111.3.0/24		255 (all)	encrypt	unique	yes		Phase2-InfraNet2

58 items

Túnel Ruteado L3



HONDURAS
DEL 3 AL 8 DE FEBRERO

INTRODUCCIÓN
Y TCP/IP

MikroTik
MTCNA

MikroTik
MTCSE

Túnel L2

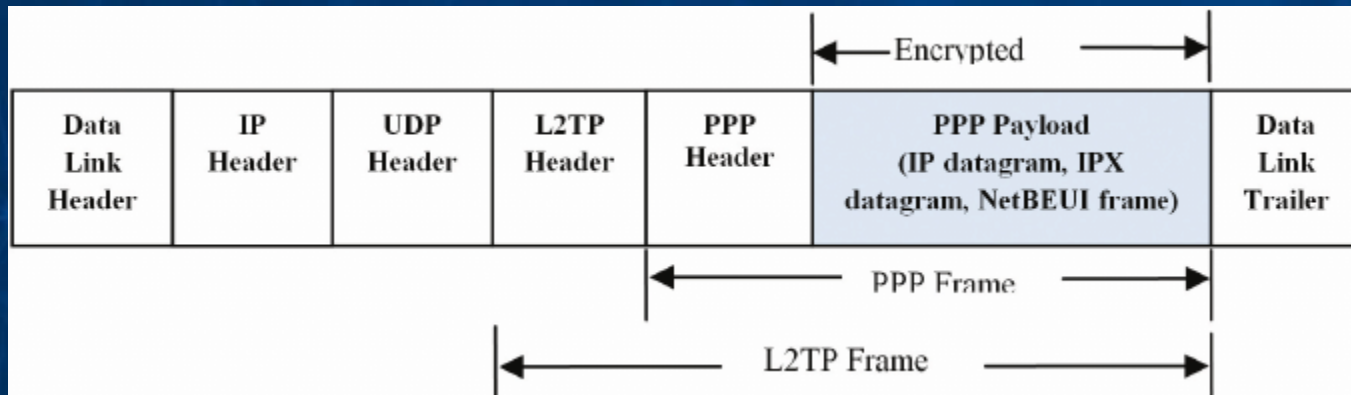


HONDURAS
DEL 3 AL 8 DE FEBRERO



L2TP

L2TP (*Layer 2 Tunneling Protocol*) es un protocolo utilizado por redes privadas virtuales que fue diseñado por un grupo de trabajo de [IETF](#) como el heredero aparente de los [protocolos PPTP](#) y [L2F](#), creado para corregir las deficiencias de estos protocolos y establecerse como un estándar aprobado por el IETF ([RFC 2661](#))



L2TP es en realidad una variación de un protocolo de encapsulamiento IP.
Un túnel L2TP se crea encapsulando una trama L2TP en un paquete UDP, el cual es encapsulado a su vez en un paquete IP,
cuyas direcciones de origen y destino definen los extremos del túnel. Siendo el protocolo de encapsulamiento más externo IP,
los protocolos IPSec pueden ser utilizados sobre este paquete protegiendo así la información que se transporta por el túnel.

L2TP Message Header

Townnsley, et al.

Standards Track

[Page 9]

RFC 2661

L2TP

August 1999

This header is formatted:

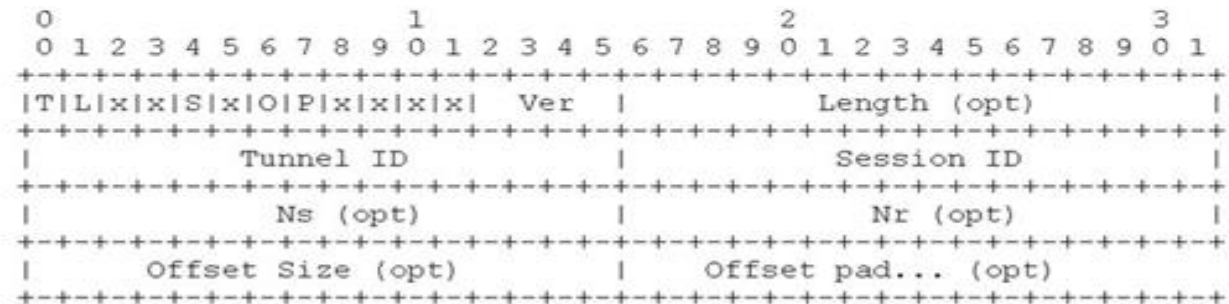
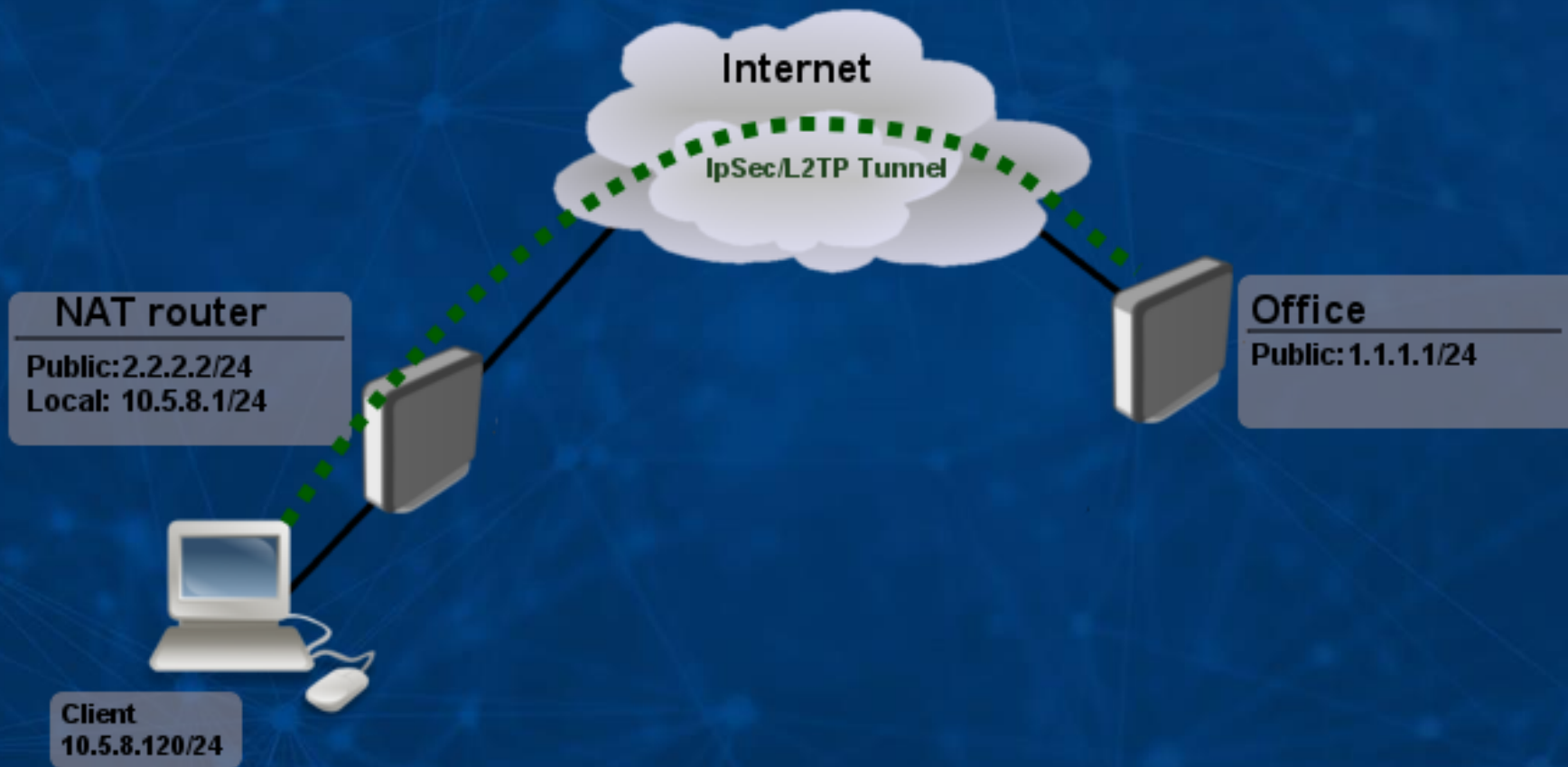


Figure 3.1 L2TP Message Header

The Type (T) bit indicates the type of message. It is set to 0 for a data message and 1 for a control message.



PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

+ - ✓ ✗ [icon] [icon] PPP Scanner PPTP Server SSTP Server **L2TP Server** OVPN Server PPPoE Scan Find

Name [dropdown] contains [dropdown] mmz + - Filter

	Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)
DR	<><2p-mmz>	L2TP Server Binding	1450		1088 bps	3.5 kbps	2	5	0 bps	0 bps	0

1 item out of 29 (1 selected)

L2TP Server

☒ Enabled

Max MTU: 1450

Max MRU: 1450

MRRU:

Keepalive Timeout: 30

Default Profile: default-encryption

Max Sessions:

Authentication: ☒ mschap2 ☒ mschap1
☒ chap ☒ pap

Use IPsec: no

IPsec Secret: *****

Caller ID Type: ip address

☐ One Session Per Host

☐ Allow Fast Path

OK
Cancel
Apply

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- IPv6
- MPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- MetaROUTER
- Partition
- Make Supout.rf
- Manual
- New WinBox
- Exit

PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

PPP Authentication&Accounting

Name contains mmz

Name	Password	Service	Caller ID	Profile	Local Address	Remote Address	Last Logged Out	Comment
mmz	*****	l2tp		MMZ			Jan/11/2020 16:30:40	
mmz2	*****	sstp		MMZ2				

PPP Secret <mmz>

Name: mmz

Password: *****

Service: l2tp

Caller ID:

Profile: MMZ

Local Address:

Remote Address:

Remote IPv6 Prefix:

Routes:

Limit Bytes In:

Limit Bytes Out:

Last Logged Out: Jan/11/2020 16:30:40

enabled

PPP Profile <MMZ>

General Protocols Limits Queue Scripts

Name: MMZ

Local Address: 172.16.95.10

Remote Address: 172.16.95.100

Remote IPv6 Prefix Pool:

DHCPv6 PD Pool:

Bridge: Bridge-Blue-LAN

Bridge Port Priority:

Bridge Path Cost:

Bridge Horizon:

Incoming Filter:

Outgoing Filter:

Address List:

Interface List:

DNS Server: 8.8.8.8

190.151.130.75

WINS Server:

- Change TCP MSS

☐ no ☒ yes ☐ default

- Use UPnP

☐ no ☐ yes ☒ default

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
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PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

Find

Name contains MMZ

Name	Local Address	Remote Address	Bridge	Rate Limit	Only One	Comment
MMZ	172.16.95.10	172.16.95.100	Bridge-BL...		default	
MMZ2	172.16.95.10	172.16.95.108	Bridge-BL...		default	

2 items out of 21 (1 selected)

Interface <<2p-mmz>>

General Status Traffic

Tx/Rx Rate: 1080 bps / 3.5 kbps

Tx/Rx Packet Rate: 2 p/s / 5 p/s

FP Tx/Rx Rate: 0 bps / 0 bps

FP Tx/Rx Packet Rate: 0 p/s / 0 p/s

Tx/Rx Bytes: 106.9 MiB / 252.5 MiB

Tx/Rx Packets: 1 133 425 / 1 503 415

Tx/Rx Drops: 0 / 0

Tx/Rx Errors: 0 / 0

dynamic enabled running slave Status: connected

PPP Profile <MMZ>

General Protocols Limits Queue Scripts

Session Timeout:

Idle Timeout:

Rate Limit (tx/tx): 3M/3M

Only One

☐ no ☐ yes ☒ default

OK Cancel Apply Comment Copy Remove

PPP Profile <MMZ>

General Protocols Limits Queue Scripts

Insert Queue Before:

Parent Queue:

Queue Type:

OK Cancel Apply Comment Copy Remove



Safe Mode

Session: 172.16.99.1

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- IPv6
- MPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
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- Partition
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- Manual
- New WinBox
- Exit

PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

PPP Scanner PPTP Server SSTP Server L2TP Server OVPN Server PPPoE Scan

Find

Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)
DR <><l2tp-mmz>	L2TP Server Binding	1450		1088 bps	3.5 kbps	2	5	0 bps	0 bps	0

1 item out of 28 (1 selected)

PPP Active User <mmz>

General

Name: mmz
Service: l2tp
Caller ID: 186.151.92.55
Encoding: MPPE128 stateless
Address: 172.16.95.100
Uptime: 3d 03:50:27
Session ID: 81100309 hex
Limit Bytes In:
Limit Bytes Out:

OK

Remove

Ping

local

Interface <l2tp-mmz>

General

Status

Traffic

Last Link Down Time:
Last Link Up Time: Jan/11/2020 16:31:21
Link Downs: 0
Uptime: 3d 03:50:28
User: mmz
Caller ID: 186.151.92.55
Encoding: MPPE128 stateless
MTU: 1450
MRU: 1450
Local Address: 172.16.95.10
Remote Address: 172.16.95.100

OK

Copy

Remove

Torch

dynamic

enabled

running

slave

Status: connected

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- IPv6
- MPLS
- Routing
- System
- Queues
- Files
- Log
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- New Terminal
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- New WinBox
- Exit

PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

PPP Scanner PPTP Server SSTP Server L2TP Server OVPN Server PPPoE Scan

Find

	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)	Comment
PPP Server											
PPP Client	1450		1088 bps	1024 bps	2	2	0 bps	0 bps	0	0	
PPTP Server Binding			0 bps	0 bps	0	0	0 bps	0 bps	0	0	
PPTP Client			0 bps	0 bps	0	0	0 bps	0 bps	0	0	
SSTP Server Binding	1450		1632 bps	0 bps	3	0	0 bps	0 bps	0	0	
SSTP Client	1450		1088 bps	0 bps	2	0	0 bps	0 bps	0	0	
L2TP Server Binding			0 bps	0 bps	0	0	0 bps	0 bps	0	0	
L2TP Client			0 bps	0 bps	0	0	0 bps	0 bps	0	0	
OVPN Server Binding											
OVPN Client											
PPPoE Server Binding											
PPPoE Client											

- PPP Server
- PPP Client
- PPTP Server Binding
- PPTP Client
- SSTP Server Binding
- SSTP Client
- L2TP Server Binding
- L2TP Client
- OVPN Server Binding
- OVPN Client
- PPPoE Server Binding
- PPPoE Client

New Interface

General Dial Out Status Traffic

Connect To: 0.0.0.0

User:

Password:

Profile: default-encryption

Keepalive Timeout: 60

☐ Use IPsec

IPsec Secret:

☐ Allow Fast Path

☐ Dial On Demand

☐ Add Default Route

Default Route Distance: 1

Allow: ☒ mschap2 ☒ mschap1 ☒ chap ☒ pap

enabled running slave Status:

OK Cancel Apply Disable Comment Copy Remove Torch

Interface <2p-out6>

General Dial Out Status Traffic

Connect To: 201.216.128.116

User: MMz

Password: *****

Profile: default-encryption

Keepalive Timeout: 60

☐ Use IPsec

IPsec Secret: *****

☐ Allow Fast Path

☐ Dial On Demand

☐ Add Default Route

Default Route Distance: 0

Allow: ☒ mschap2 ☒ mschap1 ☒ chap ☒ pap

enabled running slave Status: connected

OK Cancel Apply Disable Comment Copy Remove Torch

Quick Set

CAPsMAN

Interfaces

Wireless

Bridge

PPP

Switch

Mesh

IP

IPv6

MPLS

Routing

System

Queues

Files

Log

Radius

Tools

New Terminal

MetaROUTER

Partition

Make Supout.tif

Manual

New WinBox

Exit

PPP

Interface PPPoE Servers Secrets Profiles Active Connections L2TP Secrets

+ - ✓ ✗ 📁 🔍 PPP Scanner PPTP Server SSTP Server L2TP Server OVPN Server PPPoE Scan

	Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Pack
R	<l2p-out1	L2TP Client	1450		16.9 kbps	301.5 kbps	26	32	0 bps	0 bps	0 bps
X	<l2p-out2	L2TP Client			0 bps	0 bps	0	0	0 bps	0 bps	0 bps
X	<l2p-out3	L2TP Client			0 bps	0 bps	0	0	0 bps	0 bps	0 bps
X	<l2p-out4	L2TP Client			0 bps	0 bps	0	0	0 bps	0 bps	0 bps
R	<l2p-out5	L2TP Client	1450		1632 bps	0 bps	3	0	0 bps	0 bps	0 bps
R	<l2p-out6	L2TP Client	1450		24.6 kbps	24.5 kbps	3	3	0 bps	0 bps	0 bps
X	<l2p-out7-Intel	L2TP Client			0 bps	0 bps	0	0	0 bps	0 bps	0 bps

7 items out of 21 (1 selected)

Interface <l2p-out6>

General Dial Out Status Traffic

Tx/Rx Rate: 24.6 kbps / 24.5 kbps

Tx/Rx Packet Rate: 3 p/s / 3 p/s

FP Tx/Rx Rate: 0 bps / 0 bps

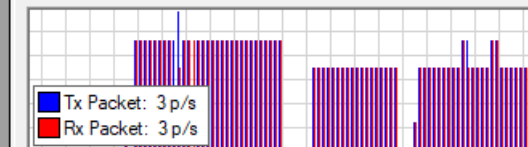
FP Tx/Rx Packet Rate: 0 p/s / 0 p/s

Tx/Rx Bytes: 85.7 MiB / 284.9 MiB

Tx/Rx Packets: 1 268 394 / 279 488

Tx/Rx Drops: 8 / 0

Tx/Rx Errors: 0 / 0



enabled running slave Status: connected

Interface <l2p-out5>

General Dial Out Status Traffic

Last Link Down Time: Jan/08/2020 13:44:50

Last Link Up Time: Jan/08/2020 13:45:23

Link Downs: 1

Uptime: 7d 10:31:36

Encoding: MPPE128 stateless

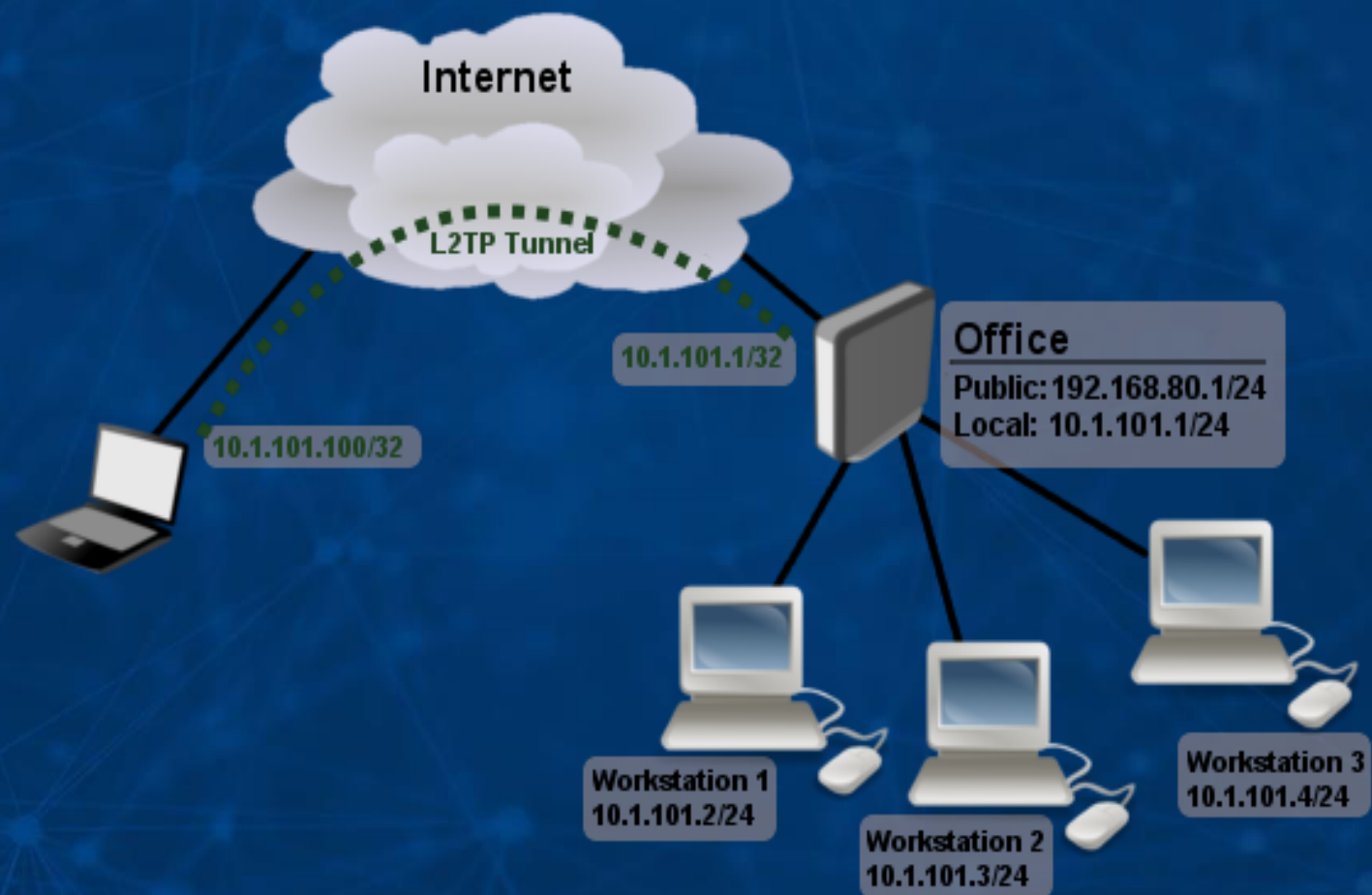
MTU: 1450

MRU: 1450

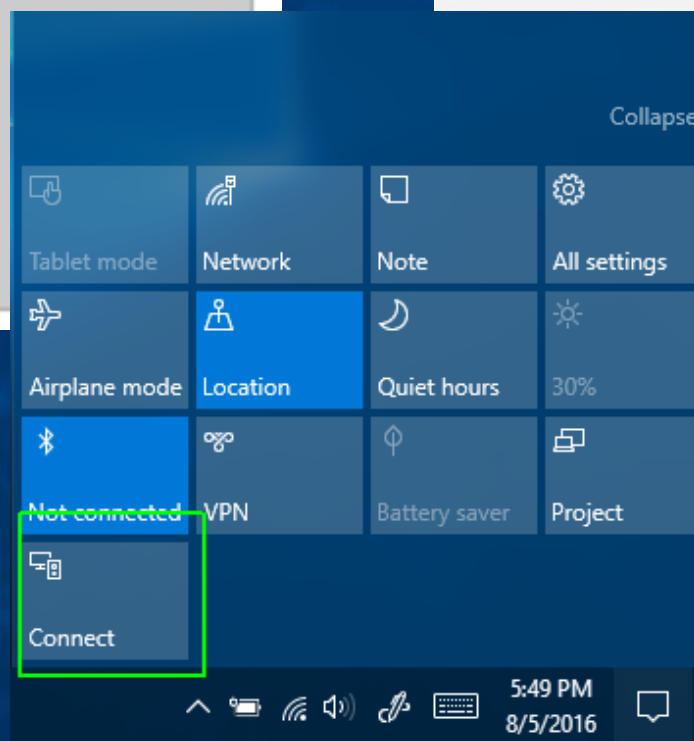
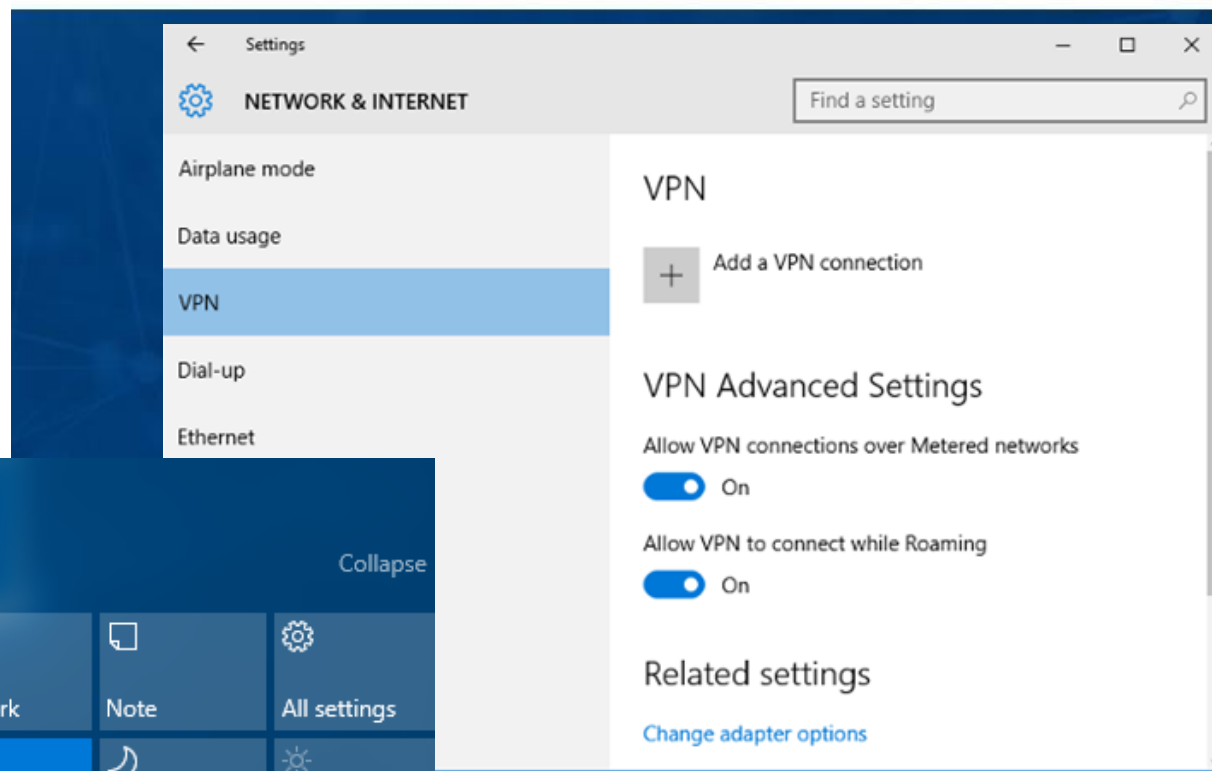
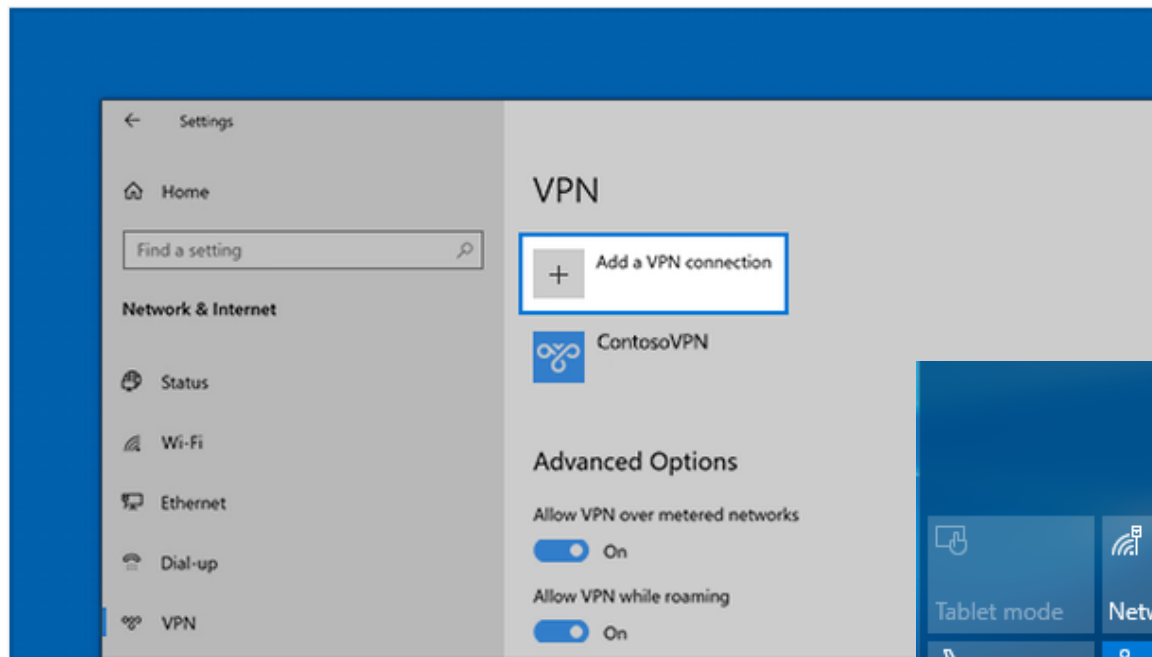
Local Address: 172.16.97.100

Remote Address: 172.16.97.10

enabled running slave Status: connected



Create a new connection to join your VPN. To get started, select the **Start**  button, and then select **Settings**  > **Network & Internet** > **VPN**, and then select **Add a VPN connection**.



Add a VPN connection

VPN provider

Windows (built-in) ▼

Connection name

L2TP-client

Server name or address

201.48.75.20

VPN type

Automatic

Point to Point Tunneling Protocol (PPTP)

L2TP/IPsec with certificate

L2TP/IPsec with pre-shared key

Secure Socket Tunneling Protocol (SSTP)

IKEv2

Password (optional)

☒ Remember my sign-in info

Save

Cancel

Add a VPN connection

VPN provider

Windows (built-in) ▼

Connection name

L2TP-client

Server name or address

201.48.75.20

VPN type

Automatic ▼

Type of sign-in info

User name and password ▼

User name (optional)

MMz

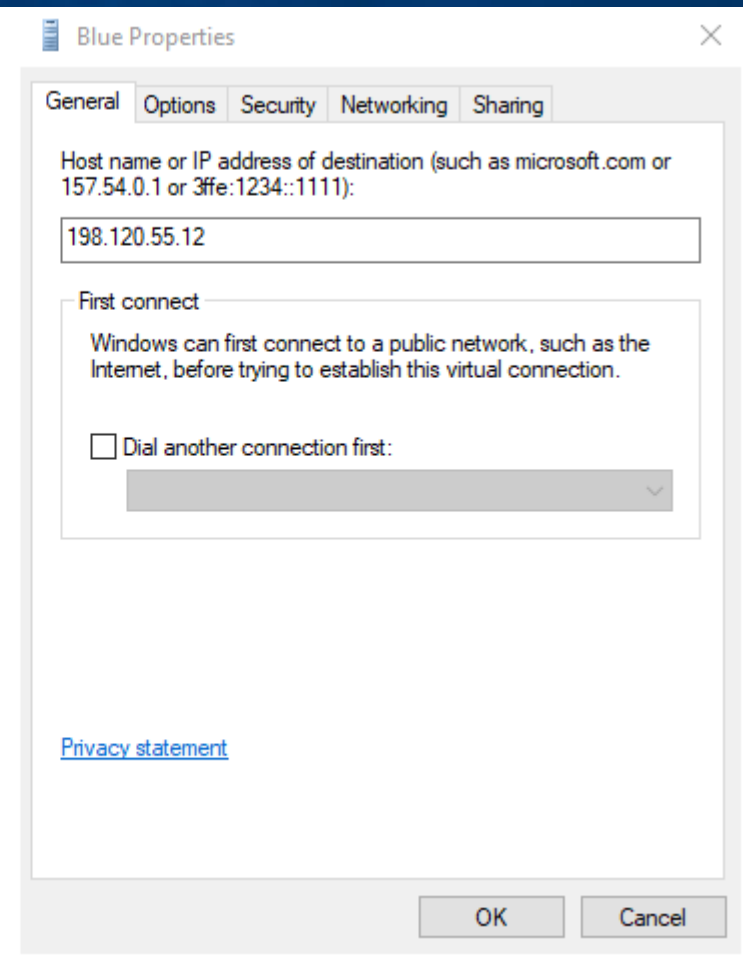
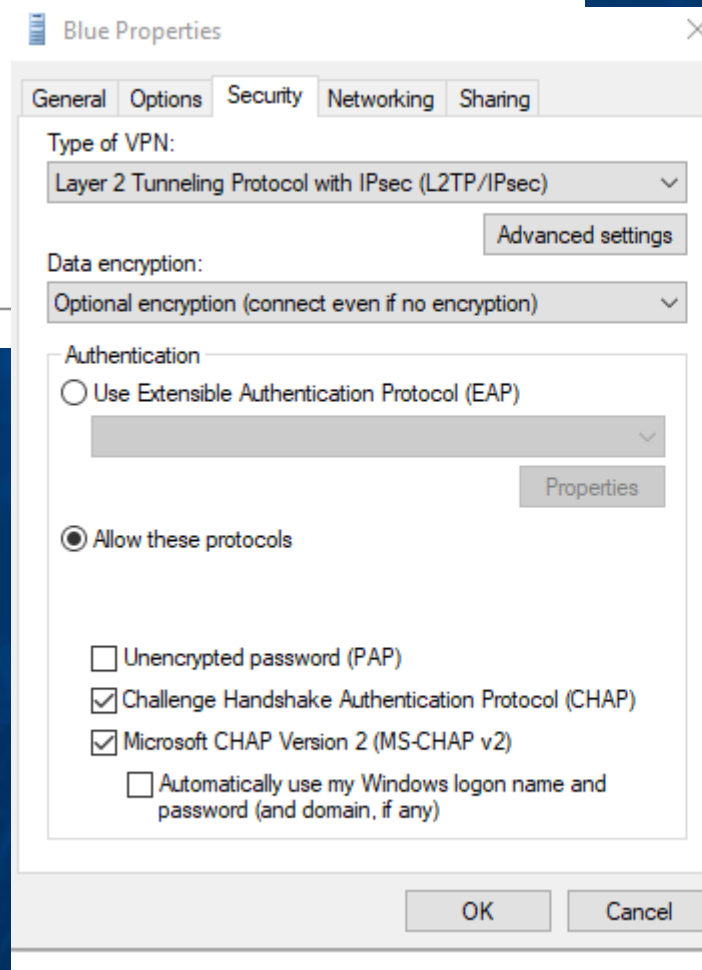
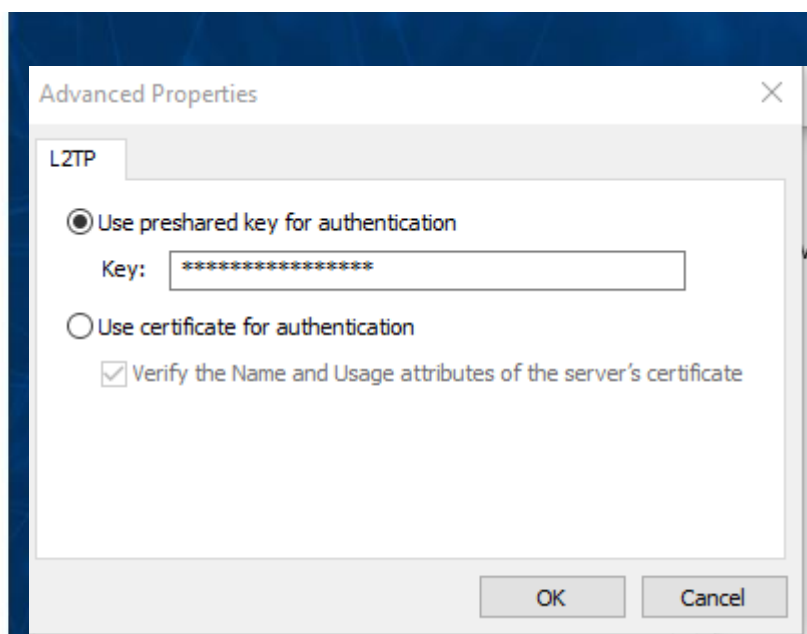
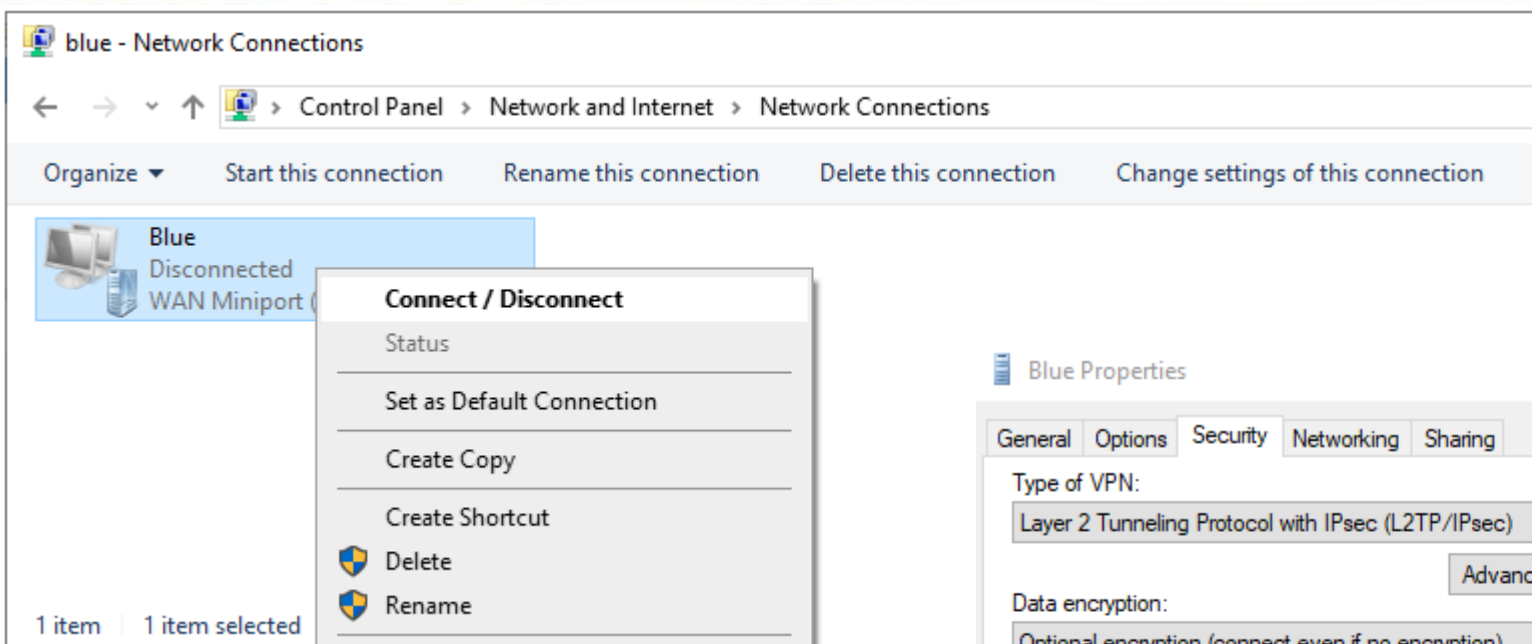
Password (optional)

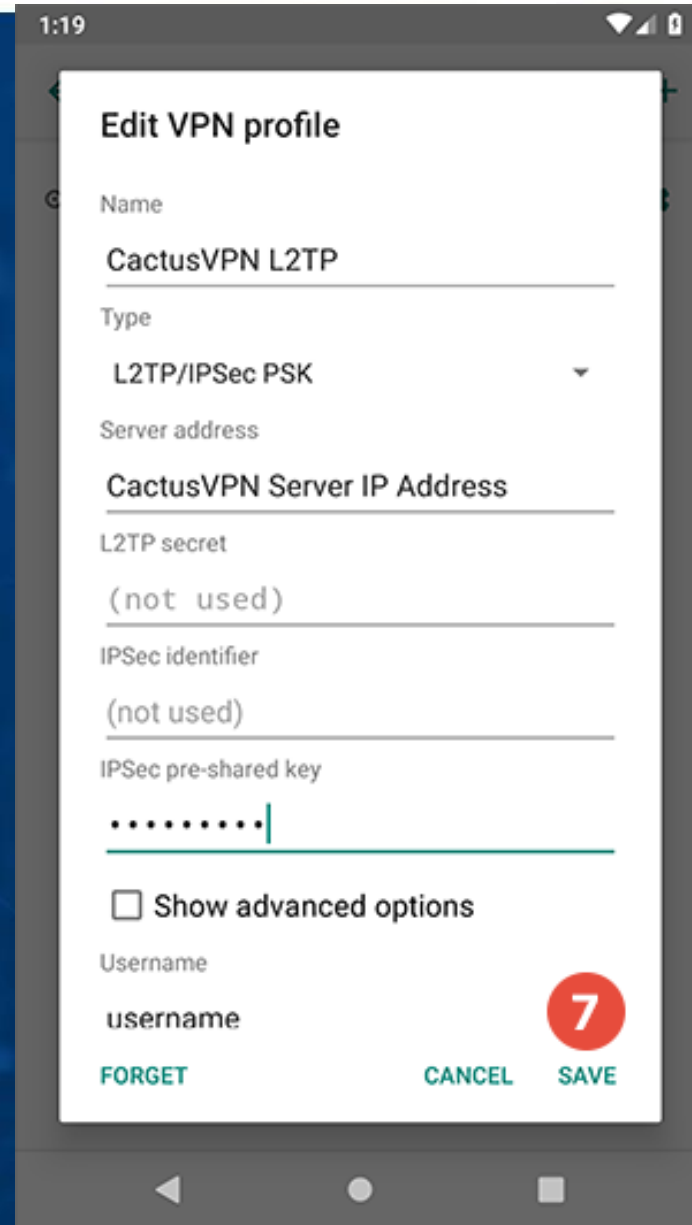
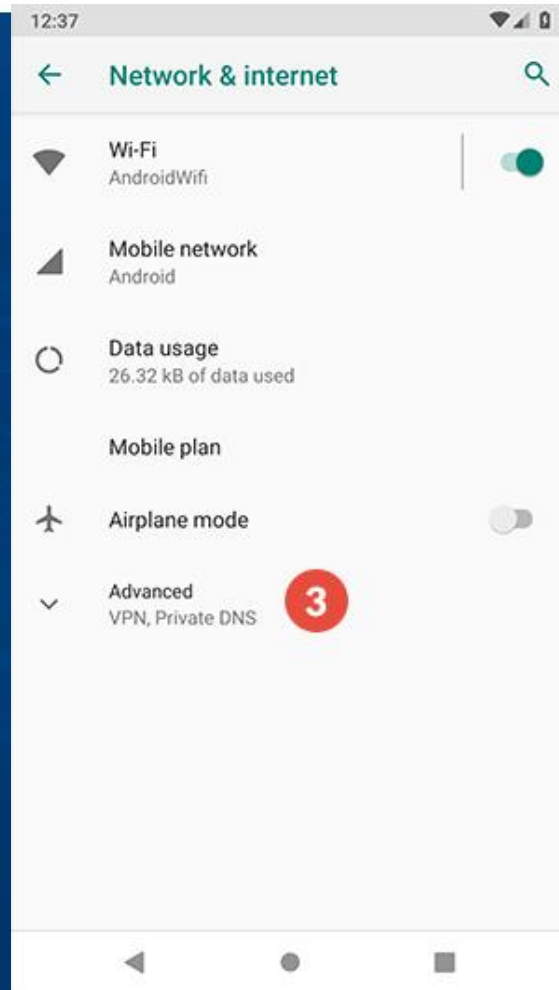
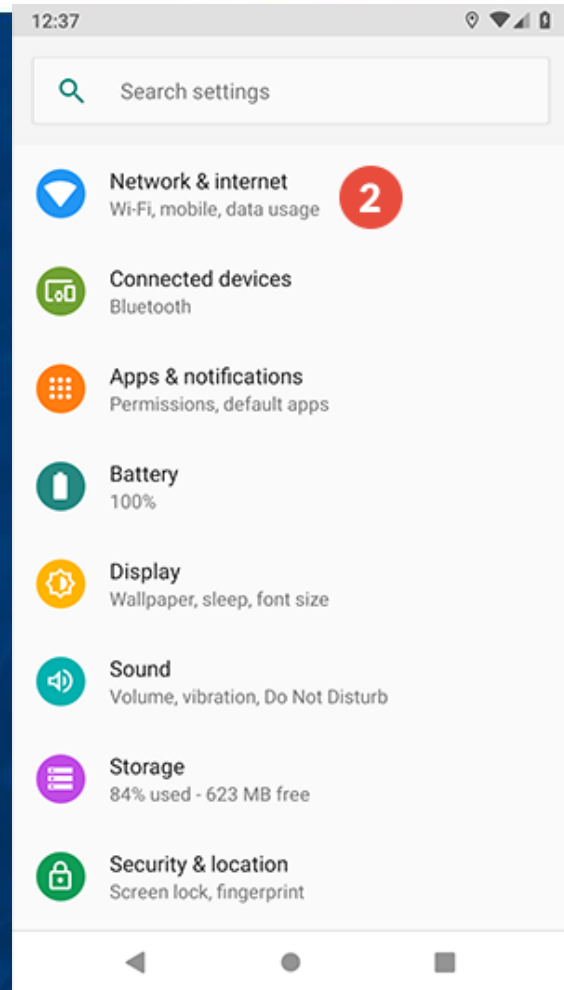
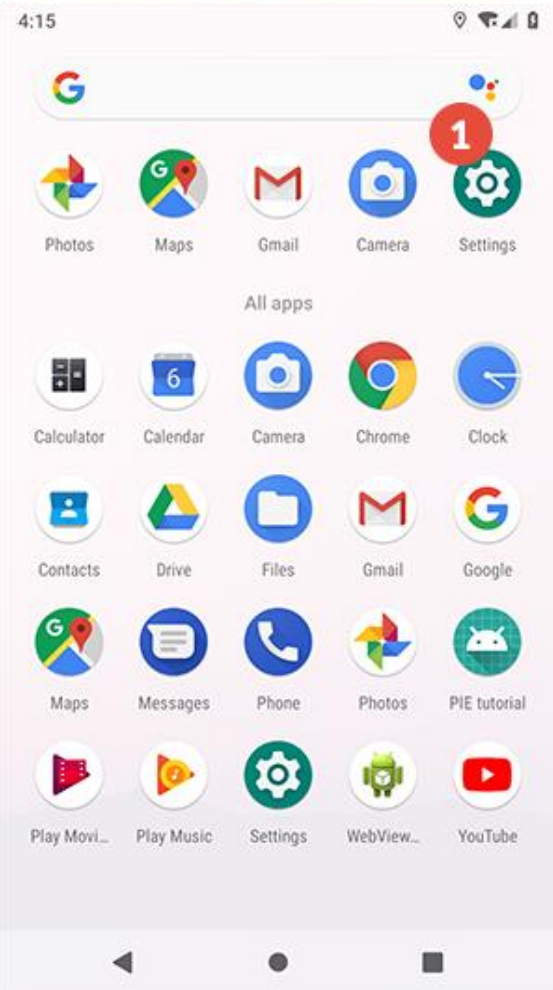
••••••••

☒ Remember my sign-in info

Save

Cancel





PPP Profile <default-encryption>

General Protocols Limits Queue Scripts

Name: default-encryption

Local Address: 172.16.95.10

Remote Address: VPN-Pool2

Remote IPv6 Prefix Pool:

DHCPv6 PD Pool:

Bridge: Bridge-Blue-LAN

Bridge Port Priority:

Bridge Path Cost:

Bridge Horizon:

Incoming Filter:

Outgoing Filter:

Address List: VPN-Route

Interface List:

DNS Server: 8.8.8.8
190.151.130.75

WINS Server:

- Change TCP MSS -
☐ no ☒ yes ☐ default

- Use UPnP -
☐ no ☐ yes ☒ default

OK Cancel Apply Comment Copy Remove

default

PPP Profile <default-encryption>

General Protocols Limits Queue Scripts

Session Timeout:

Idle Timeout:

Rate Limit (rx/tx):

- Only One -
☐ no ☐ yes ☒ default

OK Cancel Apply Comment Copy Remove

default

L2TP Server

☒ Enabled

Max MTU: 1450

Max MRU: 1450

MRRU:

Keepalive Timeout: 30

Default Profile: default-encryption

Max Sessions:

Authentication: ☒ mschap2 ☒ mschap1
☒ chap ☒ pap

Use IPsec: no

IPsec Secret: *****

Caller ID Type: ip address

☐ One Session Per Host
☐ Allow Fast Path

OK Cancel Apply

EoIP

El túnel Ethernet sobre IP (EoIP) es un protocolo MikroTik RouterOS que crea un túnel Ethernet entre dos enrutadores en la parte superior de una conexión IP.

El túnel EoIP puede ejecutarse sobre el túnel L2TP, el túnel PPTP o cualquier otra conexión capaz de transportar IP.

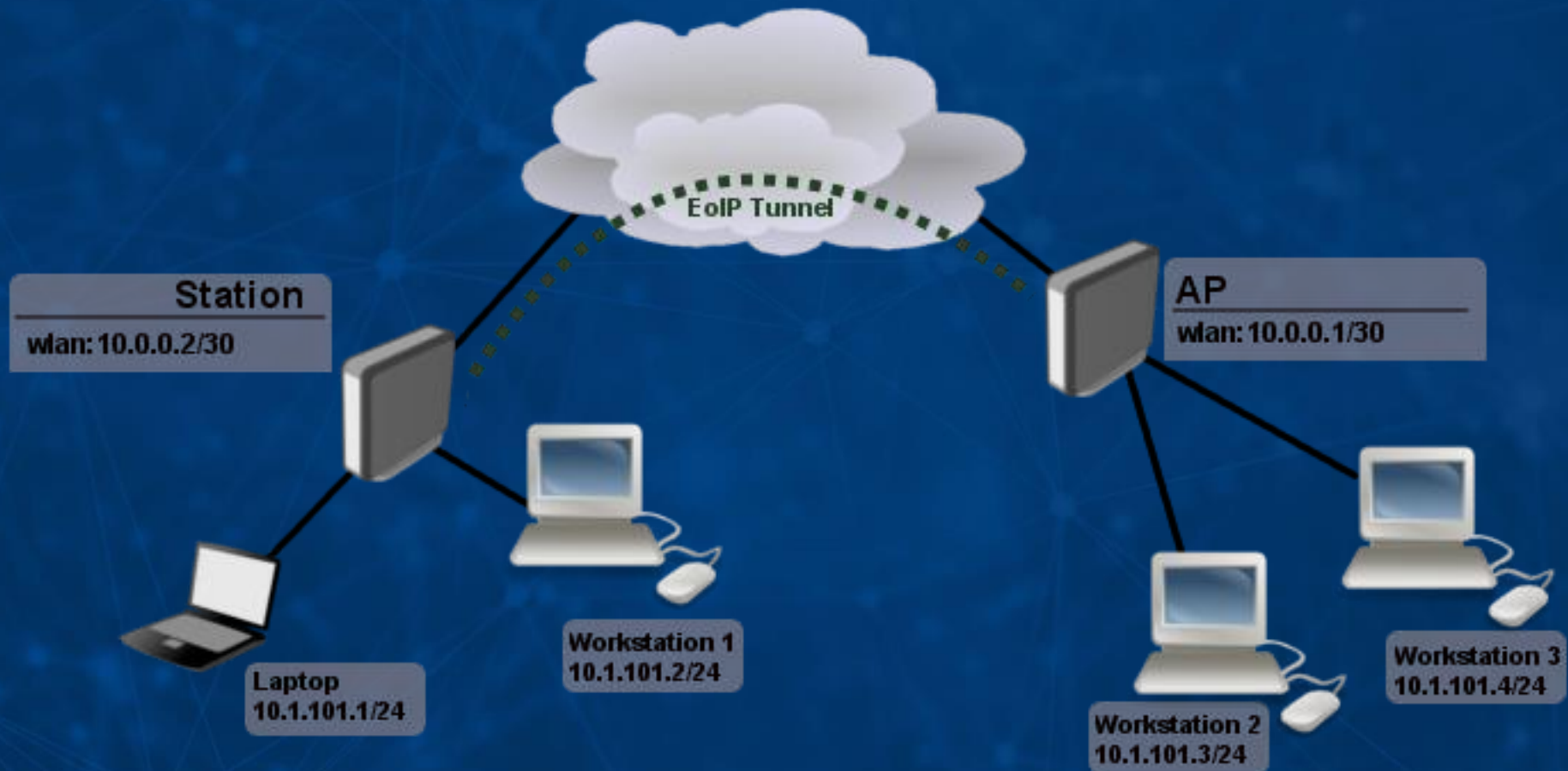
Cuando la función de puente del enrutador está habilitada, todo el tráfico de Ethernet (todos los protocolos de Ethernet) se puenteará **como si hubiera una interfaz Ethernet física** y un cable entre los dos enrutadores. Este protocolo hace posible múltiples esquemas de red.

El protocolo EoIP encapsula las tramas de Ethernet en paquetes GRE (número de protocolo IP 47) (al igual que PPTP) y las envía al lado remoto del túnel EoIP.



HONDURAS
DEL 3 AL 8 DE FEBRERO





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Interface List

Interface Interface List Ethernet **EoIP Tunnel** IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE

Find

Name	Type	Actual ...	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx
------	------	------------	--------	----	----	-----------------	-----------------	-------	-------

New Interface

General Loop Protect Status Traffic

Name: eoip-tunnel1

Type: EoIP Tunnel

MTU:

Actual MTU:

L2 MTU:

MAC Address: 02:E5:2E:89:5E:1D

ARP: enabled

ARP Timeout:

Local Address: 172.16.95.10

Remote Address: 172.16.95.100

Tunnel ID: 100

Ipssec Secret:

Keepalive:

DSCP: inherit

Dont Fragment: no

☒ Clamp TCP MSS

☒ Allow Fast Path

enabled running slave

OK Cancel Apply Disable Comment Copy Remove Torch

Interface <42p-mmz>

General Status Traffic

Last Link Down Time:

Last Link Up Time: Mar/30/2020 03:31:23

Link Downs: 0

Uptime: 3d 08:02:14

User: mmz

Caller ID: 186.151.92.55

Encoding: MPPE128 stateless

MTU: 1450

MRU: 1450

Local Address: 172.16.95.10

Remote Address: 172.16.95.100

dynamic

enabled

running

slave

Status: connected

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Interface List

Interface Interface List Ethernet **EoIP Tunnel** IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE



Name	Type	Actual ...	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
------	------	------------	--------	----	----	-----------------	-----------------

Interface <l2p-out 1>

General Dial Out Status Traffic

Last Link Down Time: Jan/11/2020 16:30:54

Last Link Up Time: Jan/11/2020 16:31:29

Link Downs: 6

Uptime: 3d 08:09:26

Encoding: MPPE128 stateless

MTU: 1450

MRU: 1450

Local Address: 172.16.95.100

Remote Address: 172.16.95.10

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Torch

enabled

running

slave

Status: connected

New Interface

General Loop Protect Status Traffic

Name: eoip-tunnel1-Remoto

Type: EoIP Tunnel

MTU:

Actual MTU:

L2 MTU:

MAC Address: 02:6A:DB:45:7F:D8

ARP: enabled

ARP Timeout:

Local Address: 172.16.95.100

Remote Address: 172.16.95.10

Tunnel ID: 100

IPsec Secret:

Keepalive:

DSCP: inherit

Dont Fragment: no

☒ Clamp TCP MSS

☒ Allow Fast Path

enabled

running

slave

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Interface List

Interface	Interface List	Ethernet	EoIP Tunnel	IP Tunnel	GRE Tunnel	VLAN	VRRP	Bonding	LTE
+	-	✓	✗	📄	🔍				
Name	Type	Actual ...	L2 MTU	Tx	Rx				
RS	eoip-tunnel1-Remoto	EoIP Tunnel	1408	65535	6.8 kbps	424 bps			
1 item out of 21 (1 selected)									

Bridge

Bridge	Ports	VLANs	MSTIs	Port MST Overrides	Filters	NAT	Hosts	MDB
+	-	✓	✗	📄	🔍			
Bridge	contains	pruebas						
#	Interface	Bridge	Horizon	Priority (h...	Path Cost	Role	Root Pat...	Comm
5	eoip-tunnel1-Remoto	Pruebas1		80	10	root port	10	
3	ether5	Pruebas1		80	10	disabled port		
2 items out of 6								

Interface <eoip-tunnel1-Remoto>

General Loop Protect Status Traffic

Tx/Rx Rate: 6.8 kbps / 424 bps

Tx/Rx Packet Rate: 2 p/s / 1 p/s

FP Tx/Rx Rate: 0 bps / 0 bps

FP Tx/Rx Packet Rate: 0 p/s / 0 p/s

Tx/Rx Bytes: 295.6 KiB / 16.7 KiB

Tx/Rx Packets: 729 / 231

Tx/Rx Drops: 0 / 0

Tx/Rx Errors: 0 / 0

Tx: 6.8 kbps Rx: 424 bps

Tx Packet: 2 p/s Rx Packet: 1 p/s

enabled running slave

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Interface List

Interface	Interface List	Ethernet	EoIP Tunnel	IP Tunnel	GRE Tunnel	VLAN	VRRP	Bonding	LTE
+	-	✓	✗	📄	🔍				
Name	Type	Actual ...	L2 MTU	Tx	Rx				
RS	eoip-tunnel1	EoIP Tunnel	1408	65535	0 bps	5.4 kbps			
1 item out of 29 (1 selected)									

Bridge

BridgePortsFiltersNATHosts

Find

BridgecontainstempFilter

Interface	Bridge	Priority (h...	Path Cost	Horizon	Role	Root Pat...	Co
↗eoip-tunnel1	bridge-temp	80	10		designated port		
↗ether1-UTP-20-71	bridge-temp	80	10		designated port		

Interface <eoip-tunnel1>

General Loop Protect Status Traffic

Tx/Rx Rate: 0 bps / 5.4 kbps

Tx/Rx Packet Rate: 0 p/s / 2 p/s

FP Tx/Rx Rate: 0 bps / 0 bps

FP Tx/Rx Packet Rate: 0 p/s / 0 p/s

Tx/Rx Bytes: 74.9 KiB / 491.6 KiB

Tx/Rx Packets: 465 / 1 505

Tx/Rx Drops: 0 / 0

Tx/Rx Errors: 0 / 0

Tx: 0 bps Rx: 5.4 kbps

Tx Packet: 0 p/s Rx Packet: 2 p/s

enabled running slave

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Interface List

Interface Interface List Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE

Name	Type	Actual ...	L2 MTU	Tx	Rx
RS eoip-tunnel1-Remoto	EoIP Tunnel	1408	65535	13.6 kbps	424 bp

1 item out of 21 (1 selected)

DHCP Server

DHCP Networks Leases Options Option Sets Alerts

+ - ✓ ✗ Filter DHCP Config DHCP Setup Find

Name	Interface	Relay	Lease Time	Address Pool	Add AR...
dhcp1	Pruebas1		00:10:00	dhcp_pool3	no

DHCP Server <dhcp1>

Name: dhcp1 OK Cancel

Interface: Pruebas1 Apply

Relay: Disable

Lease Time: 00:10:00 Copy

Bootp Lease Time: forever Remove

Address Pool: dhcp_pool3

DHCP Option Set:

Src. Address:

Delay Threshold:

Authoritative: yes

Bootp Support: static

Lease Script:

☐ Add ARP For Leases☐ Always Broadcast

Use RADIUS: no

enabled

DHCP Network <10.88.10.0/24>

Address: 10.88.10.0/24 OK Cancel

Gateway: 10.88.10.1 Apply

Netmask: Apply

DNS Servers: 8.8.8.8 Comment

208.67.222.222 Copy

Domain: Remove

WINS Servers:

NTP Servers:

CAPS Managers:

Next Server:

Boot File Name:

DHCP Options:

DHCP Option Set:

Address <10.88.10.1/24>

Address: 10.88.10.1/24 OK

Network: 10.88.10.0 Cancel

Interface: Pruebas1 Apply

Disable

Comment

Copy

Remove

enabled

DHCP Lease <10.88.10.2,10.88.10.2>

General Active OK

Active Address: 10.88.10.2 Copy

Active MAC Address: 02:E5:2E:89:5E:1D Remove

Active Client ID: 1:2e5:2e:89:5e:1d Make Static

Active Host Name: Office-Blue1 Check Status

Active Server: dhcp1

Expires After: 00:06:54

Last Seen: 00:03:05

Agent Circuit Id:

Agent Remote Id:

dynamic enabled radius blocked bound

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Interface List

Interface	Type	Actual ...	L2 MTU	Tx	Rx
RS	EoIP Tunnel	1408	65535	0 bps	8.2 kbps

1 item out of 29 (1 selected)

DHCP Client

Interface	Use P...	Add D...	IP Address	Expires After	Status	Comment
bridge-temp	yes	no	10.88.10.2/24	00:07:26	bound	

1 item out of 3 (1 selected)

Bridge

Interface	Bridge	Priority (h...	Path Cost	Horizon	Role	Root Pat...	Cc
eoip-tunnel1	bridge-temp	80	10		designated port		
ether1-UTP-20-71	bridge-temp	80	10		designated port		

2 items out of 7

DHCP Client <bridge-temp>

DHCP	Advanced	Status	OK
IP Address:	10.88.10.2/24		Cancel
Gateway:	10.88.10.1		Apply
DHCP Server:	10.88.10.1		Disable
Expires After:	00:07:26		Comment
Primary DNS:	8.8.8.8		Copy
Secondary DNS:	208.67.222.222		Remove
Primary NTP:			Release
Secondary NTP:			Renew
CAPS Managers:			
enabled	Status: bound		

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Auto Upgrade

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Console

Disks

Drivers

History

Identity

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License

Logging

Packages

Password

Ports

Reboot

Reset Configuration

Resources

Routerboard

SNTP Client

Scheduler

Scripts

Shutdown

Special Login

Users

Watchdog

Logging

Rules Actions

+ - ✓ ✗

Find

Topics	Prefix	Action
critical		echo
critical		remote
error		memory
error		remote
info		memory
info		remote
l2tp		memory
warning		memory
warning		remote

9 items (1 selected)

Log Rule <l2tp>

Topics: ☐ l2tp

Prefix:

Action: memory

OK Cancel Apply

Disable Copy Remove

enabled

Log

Freeze

all

Jan/16/2020 14:46:55	memory	l2tp, debug, packet	tunnel-id=1226, session-id=0, ns=144, nr=143
Jan/16/2020 14:46:55	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:46:55	memory	l2tp, debug, packet	rcvd control message (ack) from 190.113.90.250:1701 to 192.168.0.23:1701
Jan/16/2020 14:46:55	memory	l2tp, debug, packet	tunnel-id=94, session-id=0, ns=143, nr=145
Jan/16/2020 14:47:08	memory	l2tp, ppp, debug, pac...	l2tp-out5: sent LCP EchoReq id=0x4e
Jan/16/2020 14:47:08	memory	l2tp, ppp, debug, pac...	<magic 0x6e921deb>
Jan/16/2020 14:47:08	memory	l2tp, ppp, debug, pac...	l2tp-out5: rcvd LCP EchoRep id=0x4e
Jan/16/2020 14:47:08	memory	l2tp, ppp, debug, pac...	<magic 0xdc78ca37>
Jan/16/2020 14:47:10	memory	l2tp, debug, packet	rcvd control message from 201.216.128.116:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:10	memory	l2tp, debug, packet	tunnel-id=93, session-id=0, ns=528, nr=530
Jan/16/2020 14:47:10	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:10	memory	l2tp, debug, packet	sent control message (ack) to 201.216.128.116:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:10	memory	l2tp, debug, packet	tunnel-id=61, session-id=0, ns=530, nr=529
Jan/16/2020 14:47:11	memory	l2tp, debug, packet	sent control message to 201.216.128.116:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:11	memory	l2tp, debug, packet	tunnel-id=61, session-id=0, ns=530, nr=529
Jan/16/2020 14:47:11	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:11	memory	l2tp, debug, packet	rcvd control message (ack) from 201.216.128.116:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:11	memory	l2tp, debug, packet	tunnel-id=93, session-id=0, ns=529, nr=531
Jan/16/2020 14:46:08	memory	l2tp, ppp, debug, pac...	<magic 0xdc78ca37>
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	sent control message to 181.189.148.78:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	tunnel-id=2399, session-id=0, ns=11585, nr=11583
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	rcvd control message from 181.189.148.78:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	tunnel-id=18, session-id=0, ns=11583, nr=11585
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	sent control message (ack) to 181.189.148.78:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	tunnel-id=2399, session-id=0, ns=11586, nr=11584
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	rcvd control message (ack) from 181.189.148.78:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	tunnel-id=18, session-id=0, ns=11584, nr=11586
Jan/16/2020 14:47:33	memory	l2tp, debug, packet	rcvd control message from 190.113.90.250:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	tunnel-id=94, session-id=0, ns=143, nr=145
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	sent control message (ack) to 190.113.90.250:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	tunnel-id=1226, session-id=0, ns=145, nr=144
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	sent control message to 190.113.90.250:1701 from 192.168.0.23:1701
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	tunnel-id=1226, session-id=0, ns=145, nr=144
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	(M) Message-Type=HELLO
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	rcvd control message (ack) from 190.113.90.250:1701 to 192.168.0.23:1701
Jan/16/2020 14:47:55	memory	l2tp, debug, packet	tunnel-id=94, session-id=0, ns=144, nr=146

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- New Terminal
- MetaROUTER
- Partition
- Make Supout.tif
- Manual
- New WinBox
- Exit

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

#	Action
0	✓ accept
1	✓ accept
2	X drop
3	X fasttrack
4	✓ accept
5	✓ drop

Firewall Rule <>

General Advanced Extra Action Statistics

Chain: input

Src. Address:

Dst. Address:

Protocol: ☐ 47 (gre)

Src. Port:

Dst. Port:

Any. Port:

In. Interface:

Out. Interface:

In. Interface List:

Out. Interface List:

Packet Mark:

Connection Mark:

Routing Mark:

Routing Table:

Connection Type:

Connection State:

Connection NAT State:

OK

Cancel

Apply

Disable

Comment

Copy

Remove

Reset Counters

Reset All Counters

Log

Freeze

Time	Memory	Firewall	Info	Log
Jan/16/2020 15:14:44	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:46	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:48	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:50	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:52	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:52	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 88
Jan/16/2020 15:14:54	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:55	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 207
Jan/16/2020 15:14:55	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 227
Jan/16/2020 15:14:55	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 141
Jan/16/2020 15:14:55	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 178
Jan/16/2020 15:14:56	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:14:58	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:00	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:02	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:04	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:06	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:08	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:10	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:12	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:14	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:16	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:18	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:20	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:22	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:22	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 489
Jan/16/2020 15:15:22	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 417
Jan/16/2020 15:15:22	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 88
Jan/16/2020 15:15:24	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:26	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:28	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:30	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:32	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:34	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:36	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:38	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:40	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:42	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81
Jan/16/2020 15:15:44	memory	firewall	info	GRE input: in:12p-out:1 out:(unknown 0), proto 47, 172.16.95.10->172.16.95.100, len 81



OFERTA EN STAND **MUM**

INSCRIBETE HOY
EN NUESTROS PROXIMOS CURSOS
Y OBTEN UN

50% DE
DESCUENTO

MikroTik@blue.net.gt



GUATEMALA
DEL 17 AL 22 DE FEBRERO

INTRODUCCIÓN
Y TCP/IP



HONDURAS
DEL 3 AL 8 DE FEBRERO

INTRODUCCIÓN
Y TCP/IP



GRACIAS



HONDURAS
DEL 3 AL 8 DE FEBRERO



Configuración

Establecer el Server de L2TP

L2TP Server

☒ Enabled

Max MTU: 1450

Max MRU: 1450

MRRU:

Keepalive Timeout: 30

Default Profile: default-encryption

Max Sessions:

Authentication: ☒ mschap2 ☒ mschap1
☒ chap ☒ pap

Use IPsec: no

IPsec Secret:

Caller ID Type: ip address

☐ One Session Per Host
☐ Allow Fast Path

OK Cancel Apply

New PPP Secret

Name: bn-1

Password: p@ssW0r\$\$

Service: l2tp

Caller ID:

Profile: default

Local Address:

Remote Address:

Remote IPv6 Prefix:

Routes:

Limit Bytes In:

Limit Bytes Out:

Last Logged Out:

enabled

OK Cancel Apply Disable Comment Copy Remove

New PPP Profile

General Protocols Limits Queue Scripts

Name: profile1

Local Address: 10.50.25.1

Remote Address: 10.50.25.100

Remote IPv6 Prefix Pool:

DHCPv6 PD Pool:

Bridge:

Bridge Port Priority:

Bridge Path Cost:

Bridge Horizon:

Incoming Filter:

Outgoing Filter:

Address List:

Interface List:

DNS Server:

WINS Server:

- Change TCP MSS
☐ no ☐ yes ☒ default

- Use UPnP
☐ no ☐ yes ☒ default

OK Cancel Apply Comment Copy Remove