設定RV110W上的第2層通道通訊協定(L2TP)

目標

第2層通道通訊協定(L2TP)是網際網路服務供應商(ISP)用來支援虛擬私人網路(VPN)的通道通訊協定。 它依靠在隧道內通過的加密協定來提供隱私。

本文檔的目的是向您展示如何在RV110W上配置L2TP設定。
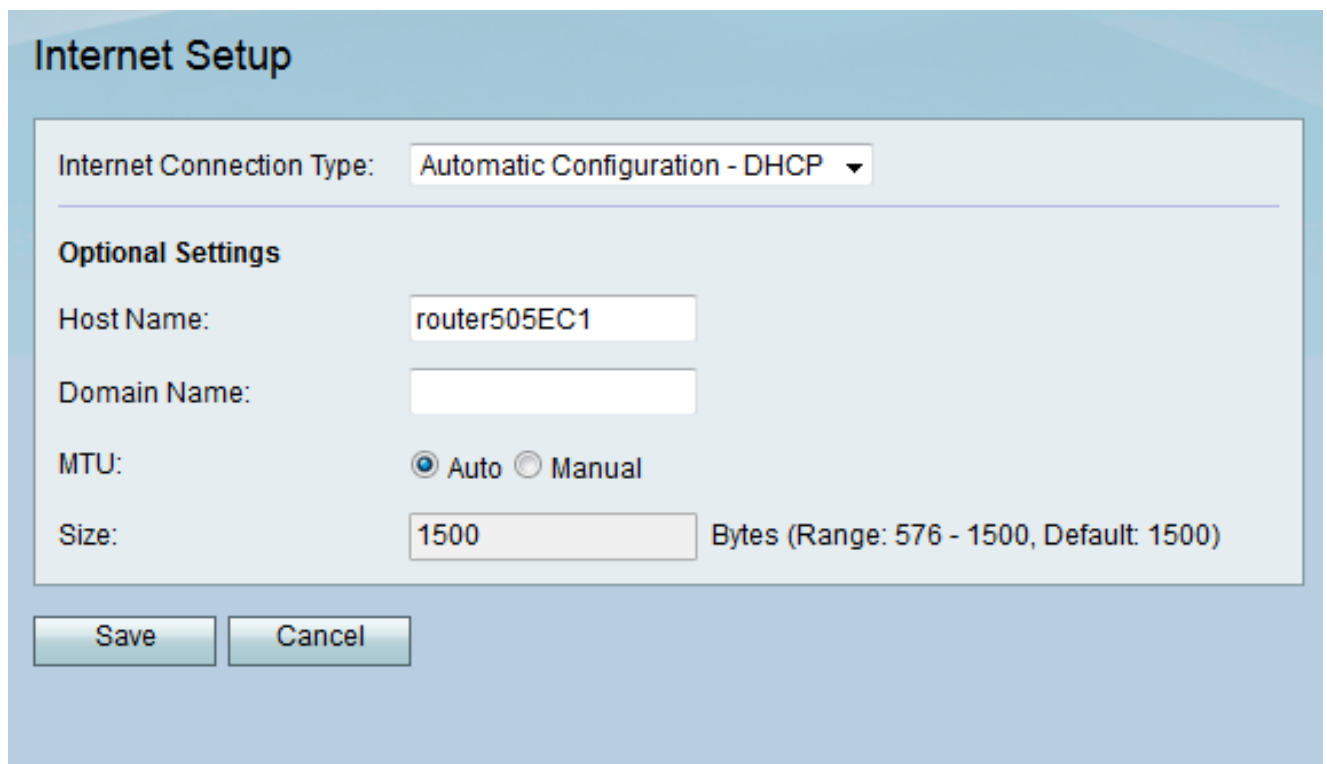
適用裝置

• RV110W

軟體版本

• v1.2.1.4

設定程式

步驟1.使用Web配置實用程式選擇**Network > WAN**。此時將開啟*Internet Setup*頁：

步驟2.從*Internet Connection Type*下拉清單中選擇**L2TP**。

Internet Setup

Internet Connection Type: Automatic Configuration - DHCP

- Automatic Configuration - DHCP
- Static IP
- PPPoE
- PPTP
- L2TP

Optional Settings

Host Name:

Domain Name:

MTU: ● Auto ○ Manual

Size: 1500 Bytes (Range: 576 - 1500, Default: 1500)

Save Cancel

步驟3.在*IP Address*欄位中，輸入WAN埠的IP地址。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	0 . 0 . 0 . 0
Version:	2 ▼
Cookie Length:	0 ▼
Vendor ID:	⊙ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	○ Enable ⊙ Disable
Username:	
Password:	

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

⊙ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▼
Service Name:	
MPPE Encryption:	☐ Enable

步驟4.在*Subnet Mask*欄位中輸入子網的子網掩碼。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	0 . 0 . 0 . 0
Version:	2 ▾
Cookie Length:	0 ▾
Vendor ID:	◉ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	○ Enable ◉ Disable
Username:	
Password:	

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▾
Service Name:	
MPPE Encryption:	☐ Enable

步驟5.在「*L2TP Server*」欄位中,輸入L2TP伺服器的IP地址。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	2 ▾
Cookie Length:	0 ▾
Vendor ID:	◉ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	○ Enable ◉ Disable
Username:	
Password:	

○ Connect on Demand: Max Idle Time 5   minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30   seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▾
Service Name:	
MPPE Encryption:	☐ Enable

步驟6.從*Version*下拉選單中選擇L2TP伺服器版本。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	2 ▼
Cookie Length:	2 / 3
Vendor ID:	⦿ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	○ Enable ⦿ Disable
Username:	
Password:	
	○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)
	⦿ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)
Authentication Type:	Auto Negotiation ▼
Service Name:	
MPPE Encryption:	☐ Enable

附註：如果您選擇版本2，請跳至步驟13。

*步驟7.*從*Cookie Length*下拉選單中，選擇Cookie持續的時間長度。

L2TP Settings

IP Address:	123	.110	.139	.92
Subnet Mask:	255	.255	.255	.0
Gateway:	123	.110	.139	.254
L2TP Server:	1	.1	.1	.1

Version: 3 ▾

Cookie Length: 0 ▾
- 0
- 4
- 8

Vendor ID: andard ⊙ Cisco

Virtual Circuit ID: 0 (Range: 0 - 4294967295)

Authentication: ⊙ Enable ⦿ Disable

Username: [   ]

Password: [   ]

⊙ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

⦿ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation ▾

Service Name: [   ]

MPPE Encryption: ☐ Enable

步驟8.在*Vendor ID*欄位中，按一下**Standard**單選按鈕以使用標準廠商ID，或按一下**Cisco**單選按鈕以輸入虛擬電路ID。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	3 ▾
Cookie Length:	0 ▾
Vendor ID:	⦿ Standard ◯ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	◯ Enable ⦿ Disable
Username:	
Password:	
◯ Connect on Demand: Max Idle Time	5 minutes (Range: 1 - 9999, Default: 5)
⦿ Keep Alive: Redial period	30 seconds (Range: 20 - 180, Default: 30)
Authentication Type:	Auto Negotiation ▾
Service Name:	
MPPE Encryption:	☐ Enable

附註：如果您選擇「Standard」，請跳至步驟10。

步驟9.在*虛擬電路ID*欄位中，輸入要使用的虛擬電路ID。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	3 ▾
Cookie Length:	0 ▾
Vendor ID:	○ Standard ◉ Cisco
Virtual Circuit ID:	1 (Range: 0 - 4294967295)
Authentication:	○ Enable ◉ Disable
Username:	
Password:	

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▾
Service Name:	
MPPE Encryption:	☐ Enable

步驟10。在*Authentication*欄位中，按一下Enable單選按鈕以要求使用者名稱和密碼，或按一下Disable單選按鈕以關閉身份驗證。

L2TP Settings

IP Address:	123	110	139	92
Subnet Mask:	255	255	255	0
Gateway:	123	110	139	254
L2TP Server:	1	1	1	1

Version: 3 ▾

Cookie Length: 0 ▾

Vendor ID: ○ Standard ◉ Cisco

Virtual Circuit ID: 1 (Range: 0 - 4294967295)

Authentication: ◉ Enable ○ Disable

Username: [   ]

Password: [   ]

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation ▾

Service Name: [   ]

MPPE Encryption: ☐ Enable

附註：如果您選擇「**Disable**」，請跳至步驟16。

步驟11.在*Username*欄位中，輸入L2TP伺服器的使用者名稱。

L2TP Settings

IP Address:	123	.110	.139	.92
Subnet Mask:	255	.255	.255	.0
Gateway:	123	.110	.139	.254
L2TP Server:	1	.1	.1	.1

Version: 3 ▾

Cookie Length: 0 ▾

Vendor ID: ◉ Standard ◯ Cisco

Virtual Circuit ID: 0 (Range: 0 - 4294967295)

Authentication: ◉ Enable ◯ Disable

Username: test

Password:

◯ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation ▾

Service Name:

MPPE Encryption: ☐ Enable

步驟12.在*Password*欄位中，輸入L2TP伺服器的密碼。

L2TP Settings

IP Address:	123	. 110	. 139	. 92
Subnet Mask:	255	. 255	. 255	. 0
Gateway:	123	. 110	. 139	. 254
L2TP Server:	1	. 1	. 1	. 1

Version: 3 ▾

Cookie Length: 0 ▾

Vendor ID: ◉ Standard ○ Cisco

Virtual Circuit ID: 0 (Range: 0 - 4294967295)

Authentication: ◉ Enable ○ Disable

Username: test

Password: ●●●●●●●●●●●

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type: Auto Negotiation ▾

Service Name:

MPPE Encryption: ☐ Enable

步驟13.單擊**按需連線**單選按鈕,在*Max Idle Time*欄位中輸入允許的最大空閒時間(以分鐘為單位),或者單擊Keep Alive單選按鈕在*Redial period*欄位中輸入連線重新連線的頻率(以秒為單位)。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	3 ▾
Cookie Length:	0 ▾
Vendor ID:	◉ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	◉ Enable ○ Disable
Username:	test
Password:	●●●●●●●●●●●●

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▾
Service Name:	
MPPE Encryption:	☐ Enable

步驟14.從*Authentication Type*下拉選單中選擇身份驗證型別。 可用選項定義如下：

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	2 ▼
Cookie Length:	0 ▼
Vendor ID:	◉ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	◉ Enable ○ Disable
Username:	test
Password:	●●●●●●●●●●●

○ Connect on Demand: Max Idle Time 5   minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30   seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▼
	Auto Negotiation
	PAP
	CHAP
	MS-CHAP
	MS-CHAP2
Service Name:	
MPPE Encryption:	

- 自動交涉 — L2TP伺服器向RV110W傳送要求安全資訊的請求。RV110W將安全資訊傳送到 L2TP伺服器。
- PAP — 此選項使用密碼身份驗證協定(PAP)連線到Internet服務提供商(ISP)。
- CHAP協商 — 此選項使用質詢握手身份驗證協定(CHAP)連線到ISP。
- MS-CHAP協商 — 此選項使用Microsoft質詢握手身份驗證(MS-CHAP)連線到ISP。
- MS-CHAPv2協商 — 此選項使用Microsoft Challenge Handshake Authentication version 2(MS-CHAPv2)連線到ISP。

步驟15.在*Service Name*欄位中輸入服務名稱。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	2 ▾
Cookie Length:	0 ▾
Vendor ID:	◉ Standard ◯ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	◉ Enable ◯ Disable
Username:	test
Password:	●●●●●●●●●●●
	◯ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)
	◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)
Authentication Type:	Auto Negotiation ▾
Service Name:	TestServiceName
MPPE Encryption:	☐ Enable

步驟16.在*MPPE Encryption*欄位中，勾選Enable覈取方塊以啟用Microsoft點對點加密(MPPE)，此加密功能會透過點對點通訊協定(PPP)和虛擬私人網路(VPN)加密資料。

L2TP Settings

IP Address:	123 . 110 . 139 . 92
Subnet Mask:	255 . 255 . 255 . 0
Gateway:	123 . 110 . 139 . 254
L2TP Server:	1 . 1 . 1 . 1
Version:	2 ▾
Cookie Length:	0 ▾
Vendor ID:	◉ Standard ○ Cisco
Virtual Circuit ID:	0 (Range: 0 - 4294967295)
Authentication:	◉ Enable ○ Disable
Username:	test
Password:	●●●●●●●●●●●●

○ Connect on Demand: Max Idle Time 5 minutes (Range: 1 - 9999, Default: 5)

◉ Keep Alive: Redial period 30 seconds (Range: 20 - 180, Default: 30)

Authentication Type:	Auto Negotiation ▾
Service Name:	TestServiceName
MPPE Encryption:	☑ Enable

步驟17.按一下Save儲存更改，或按一下Cancel放棄更改。

可選設定

以下步驟說明如何調整可選設定以進一步配置RV110W。

步驟1.在*Host Name*欄位中，輸入RV110W的主機名。

步驟2.在*Domain Name*欄位中輸入網路的域名。

步驟3.在*MTU*欄位中，按一下**Auto**單選按鈕將「Maximum Transmit Unit(MTU)」設定為預設的1500位元組，或按一下**Manual**單選按鈕手動輸入MTU大小。

步驟4.如果您在上一步中選擇**手動**，請在「大小」欄位中輸入MTU大小（以位元組為單位）。

步驟5.按一下**Save**以儲存變更或**Cancel**以捨棄變更。