在RV132W或RV134W路由器上配置站點到站點IPsec虛擬專用網路(VPN)

目標

基於分配給VPN拓撲的IPsec策略實施站點到站點虛擬專用網路(VPN)。IPsec策略是一組定義站點到站點VPN特性的引數，例如將用於保護IPsec隧道中流量的安全協定和演算法。

RV132W和RV134W路由器支援用於單個網關到網關VPN隧道的站點到站點IPsec VPN。配置基本VPN設定後，您可以安全地連線到另一個啟用VPN的路由器。例如，您可以在分支機構站點配置您的裝置以連線到路由器，該路由器連線企業站點上的站點到站點VPN隧道，以便分支機構站點能夠安全地訪問企業網路。

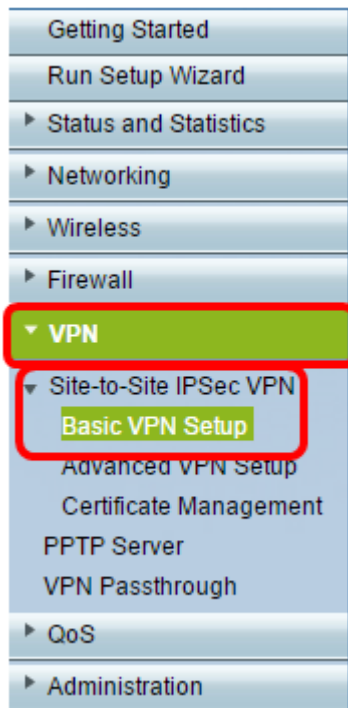本文旨在展示如何在RV132W或RV134W路由器上配置站點到站點IPsec連線的基本VPN設定。

適用裝置

- RV132W
- RV134W

軟體版本

- 1.0.0.17 — RV132W
- 1.0.0.21 — RV134W

在路由器上配置站點到站點IPSec VPN

步驟1.登入到基於Web的實用程式，然後選擇VPN > Site-to-Site IPSec VPN > Basic VPN Setup。

步驟2.在*New Connection Name*欄位中，輸入VPN通道的名稱。名稱只能包含字母、數字和連字元。

附註：在本示例中，名稱為Branch1。

步驟3.在*Pre-Shared Key*欄位中，輸入要在兩台路由器之間交換的預共用金鑰或密碼。密碼必須介於8到49個字元之間。

附註：在本例中，預共用金鑰是Cisco1234$。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟4.在Protocol下拉選單中，選擇協定名稱。選項包括：

- ESP — 封裝安全負載(ESP)協定為資料包提供源真實性、完整性和機密性保護。
- AH — 身份驗證報頭(AH)協定驗證資料包的來源並確保資料的完整性。

附註：在本示例中，選擇了ESP。

Basic VPN Setup

About Basic VPN Setup

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you can always update the parameters through the Policies menu

View Default Settings

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼
	ESP
Endpoint Information	AH
Remote Endpoint:	IP Address ▼
Remote WAN (Internet) IP Address:	10.11.12.13 (Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121
Secure Connection Remote Accessibility	
Remote LAN (Local Network) IP Address:	10.10.100.162 (Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0 (Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128 (Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0 (Hint: 255.255.255.0)

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步驟5.從下拉選單中選擇遠端終端。選項包括：

- IP地址 — 此選項將標識您的裝置將與其連線的IP地址的路由器。
- FQDN — 完全限定域名(FQDN)將標識裝置將與其域名連線的路由器。

附註：在本例中，選擇了IP地址。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
	IP Address	
Remote WAN (Internet) IP Address:	FQDN	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟6.在*Remote WAN(Internet)IP Address*欄位中輸入遠端WAN(Internet)IP地址或FQDN。

附註：在本示例中，遠端WAN(Internet)IP地址為10.11.12.13。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	Hint: 1.2.3.4 or abc.com
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟7.驗證*Local WAN(Internet)IP Address*欄位中的源*IP地址*是否正確。這是自動生成的。

附註：在本示例中，本地WAN(Internet)IP地址為192.168.100.121。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟8.在*Remote LAN(Local Network)IP Address(遠端LAN（本地網路）IP地址)*欄位中輸入遠端終端的專用網路*(LAN)IP*地址。這是遠端站點內部網路的IP地址。

附註：在本例中，遠端LAN（本地網路）的IP地址為10.10.100.162。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟9.在Remote LAN(Internet)Subnet Mask（子網掩碼）欄位中驗證遠端終點的專用網路 (LAN)子網掩碼。這是自動生成的。

附註：在本示例中，遠端LAN（本地網路）子網掩碼為255.0.0.0。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

View Default Settings

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▾

Endpoint Information

Remote Endpoint:	IP Address ▾	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟10.在*Local LAN(Local Network)IP Address*欄位中輸入本地網路的專用網路(LAN)IP地址。這是裝置上內部網路的IP地址。

附註：在本例中，本地LAN（本地網路）IP地址為192.168.100.128。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC), and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup, you can always update the parameters through the Policies menu

View Default Settings

Connection Name and Remote IP Type

New Connection Name:	Branch1
Pre-Shared Key:	Cisco1234$
Protocol:	ESP ▼

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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步驟11.在*Local LAN(Local Network)Subnet Mask*欄位中驗證本地端點的專用網路(LAN)子網掩碼。這是自動生成的。

附註：在本例中，本地LAN（本地網路）子網掩碼為255.255.255.0。

Basic VPN Setup

About Basic VPN Setup

The basic VPN setup sets most parameters to defaults as proposed by the VPN Consortium (VPNC),
and assumes a Pre-shared Key, which greatly simplifies setup. After creating the policies through the Basic VPN Setup,
you can always update the parameters through the Policies menu

[View Default Settings]

Connection Name and Remote IP Type

New Connection Name:	Branch1	
Pre-Shared Key:	Cisco1234$	
Protocol:	ESP ▼	

Endpoint Information

Remote Endpoint:	IP Address ▼	
Remote WAN (Internet) IP Address:	10.11.12.13	(Hint: 1.2.3.4 or abc.com)
Local WAN (Internet) IP Address:	192.168.100.121	

Secure Connection Remote Accessibility

Remote LAN (Local Network) IP Address:	10.10.100.162	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.0.0.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.100.128	(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)

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附註：遠端WAN和遠端LAN IP地址不能位於同一子網中。例如，當流量通過VPN路由時，遠端LAN IP地址192.168.1.100和本地LAN IP地址192.168.1.115會導致衝突。第三個八位組必須不同，以使IP地址位於不同的子網中。例如，遠端LAN IP地址192.168.1.199和本地LAN IP地址192.168.2.100是可接受的。

步驟12.按一下「**Save**」。

現在，您應該已經在RV132W或RV134W路由器上成功配置站點到站點IPsec VPN。