RV130和RV130W上的基本VPN設定

目標

虛擬專用網路(VPN)通常被企業用作擴展企業網路內部網的一種方式,企業網路內部網是專為公司 員工設計的站點。VPN是在公共網路基礎設施內構建的專用網路。在典型的小型企業環境中 ,VPN可以擴展地理連線,降低與傳統廣域網(WAN)相比的運營成本,並提高員工工作流程的工作 效率。

Basic VPN Setup(基本VPN設定)頁面允許您與其他位置網關裝置輕鬆設定網關到網關VPN隧道。VPN隧道還允許遠端使用者使用VPN客戶端軟體訪問路由器的區域網(LAN)網路。

附註:RV130和RV130W支援第三方IPSec VPN軟體。有關詳細資訊,請參閱產品管理指南。

本文檔的目的是解釋如何在RV130裝置上配置基本VPN。

適用裝置 | 韌體版本

- RV130 | 1.0.3.28版(下載<u>最新版</u>)
- RV130W | 1.0.3.28版(下載<u>最新版</u>)

檢視預設VPN設定

步驟1.使用路由器配置實用程式選擇VPN > Site-to-Site IPSec VPN > Basic VPN Setup。Basic VPN Setup頁面開啟:

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:		
Pre-Shared Key		
Endpoint Information		
	ID Address	
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:		(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
· · · · · · · · · · · · · · · · · · ·		
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟2.按一下View Default Settings按鈕檢視基本VPN設定的預設值。

About Basic VPN Setup

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View Default Settings		
Connection Name and Remote IP Type		
New Connection Name:		
Bra Charad Kau		
Pre-Shared Key.		
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:		(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Demote L (N) (Least Natural) Subpat Maak		(Uppt 255 255 255 0)
Remote LAN (Local Network) Subilet Mask.		(Hill: 200.200.200.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local J AN (Local Natwork) Subpat Mask:		(Lint 255 255 255 0)
Eucar EAN (Eucar Network) Subnet Mask.		(mm. 200.200.200.0)
Save Cancel		

「基本VPN設定」頁面顯示預設設定:

Basic VPN Setup Default Values for IKE		
Exchange Mode:	Main	
Local WAN (Internet) ID:	Local WAN (Internet) IP Address	
Remote WAN (Internet) ID:	Remote WAN (Internet) IP Address	
Encryption Algorithm:	AES-128	
Authentication Algorithm:	MD5	
Authentication Method:	Pre-Shared Key	
Diffie-Hellman (DH) Group:	Group2 (1024 bit)	
SA-Lifetime:	8 Hours	
Basic VPN Setup Default Values for VPN		
Encryption Algorithm:	AES-128	
Integrity Algorithm:	MD5	
SA-Lifetime:	1 Hours	
PFS Key Group:	Group 2(1024 bit)	
Back		

步驟3.按一下Back按鈕返回到Basic VPN Setup視窗。

Basic VPN Setup		
Basic VPN Setup Default Va	lues for IKE	
Exchange Mode:	Main	
Local WAN (Internet) ID:	Local WAN (Internet) IP Address	
Remote WAN (Internet) ID:	Remote WAN (Internet) IP Address	
Encryption Algorithm:	AES-128	
Authentication Algorithm:	MD5	
Authentication Method:	Pre-Shared Key	
Diffie-Hellman (DH) Group:	Group2 (1024 bit)	
SA-Lifetime:	8 Hours	
Basic VPN Setup Default Va	lues for VPN	
Encryption Algorithm:	AES-128	
Integrity Algorithm:	MD5	
SA-Lifetime:	1 Hours	
PFS Key Group:	Group 2(1024 bit)	
Back		

基本VPN設定

步驟1.使用路由器配置實用程**序選擇VPN >站點到站點IPSec VPN >基本VPN設定**。Basic VPN Setup頁面開啟:

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:		
Pre-Shared Key:		
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:		(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟2.在*New Connection Name*(新連線名稱)*欄位中輸入連線*名稱。此名稱將用於管理,對 VPN的操作沒有影響。

About Basic VPN Setup

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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:	cisco_sb)
Pre-Shared Key:		
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:		(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟3.在Pre-Shared Key欄位中輸入預共用密鑰。VPN客戶端或網關需要此金鑰才能建立VPN連線

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:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:		(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟4.在「*Remote Endpoint*」下拉選單中,選擇**IP Address**或**FQDN**作為遠端網關用於建立連線的 地址型別。

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:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:	IP Address FQDN	(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

可用選項定義如下:

- IP地址 由句點分隔的唯一數字字串,用於標識使用Internet協定通過網路進行通訊的每台電 腦。
- FQDN(完全限定域名)— Internet、特定電腦或特定主機的完整域名。FQDN由兩部分組成 :主機名和域名。例如,假設郵件伺服器的FQDN可能是*mymail.companyname.org*。主機名為 *mymail*,主機位於域*companyname.org*中。

步驟5.根據您在步驟4中所做的選擇,在*Remote WAN(Internet)IP Address欄位中輸入IP地址或 FQDN*。

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:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:	64 32 341 533	(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟6.在Remote LAN(Local Network)IP Address和Remote LAN(Local Network)Subnet Mask欄位 中輸入遠端LAN的IP地址和子網掩碼。

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:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 🔻	
Remote WAN (Internet) IP Address:	1.2.3.4	(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:	192.168.2.100	(Hint: 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:		(Hint: 1.2.3.4)
Local LAN (Local Network) Subnet Mask:		(Hint: 255.255.255.0)
Save Cancel		

步驟7.在Local LAN(Local Network)IP Address和Local LAN(Local Network)Subnet Mask欄位中輸 入本地LAN的IP地址和子網掩碼。

Basic VPN Setup		
About Basic VPN Setup		
The basic VPN setup sets most parameters and assumes a Pre-shared Key, which great you can always update the parameters throug	to defaults as proposed y simplifies setup. After gh the Policies menu	by the VPN Consortium (VPNC), creating the policies through the Basic VPN Setup,
View Default Settings		
Connection Name and Remote IP Type		
New Connection Name:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:	1.2.3.4	(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:	192.168.2.100	(Hint 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.8.100	(Hint 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.255	(Hint: 255.255.255.0)
Save Cancel		

步驟8.按一下Save以儲存設定。

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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:	cisco_sb	
Pre-Shared Key:	password1	
Endpoint Information		
Remote Endpoint:	IP Address 👻	
Remote WAN (Internet) IP Address:	1.2.3.4	(Hint: 1.2.3.4 or abc.com)
Secure Connection Remote Accessibility		
Remote LAN (Local Network) IP Address:	192.168.2.100	(Hint 1.2.3.4)
Remote LAN (Local Network) Subnet Mask:	255.255.255.0	(Hint: 255.255.255.0)
Local LAN (Local Network) IP Address:	192.168.8.100	(Hint 1.2.3.4)
Local LAN (Local Network) Subnet Mask:	255.255.255.255	(Hint: 255.255.255.0)
Save Cancel		

檢視與本文相關的影片……

按一下此處檢視思科的其他技術對話

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