

Configurar a VPN (Virtual Private Network) IPsec Site-to-Site em um roteador RV132W ou RV134W

Objetivo

As VPNs (Virtual Private Networks, redes virtuais privadas) de site a site são implementadas com base nas políticas IPsec atribuídas às topologias VPN. Uma política IPsec é um conjunto de parâmetros que definem as características da VPN site a site, como os protocolos de segurança e os algoritmos que serão usados para proteger o tráfego em um túnel IPsec.

Os roteadores RV132W e RV134W suportam VPN IPsec site a site para um único túnel VPN gateway a gateway. Depois de configurar as configurações básicas de VPN, você pode se conectar com segurança a outro roteador ativado para VPN. Por exemplo, você pode configurar seu dispositivo em uma filial para se conectar a um roteador que conecta túneis VPN de site a site no local corporativo, de modo que a filial tenha acesso seguro à rede corporativa.

Este artigo tem como objetivo mostrar como configurar as configurações básicas de VPN para uma conexão IPsec de site a site em seu roteador RV132W ou RV134W.

Dispositivos aplicáveis

- RV132W
- RV134W

Versão de software

- 1.0.0.17 — RV132W
- 1.0.0.21 — RV134W

Configurar VPN IPsec de site para site em um roteador

Etapa 1. Faça login no utilitário baseado na Web e escolha VPN > Site-to-Site IPsec VPN > Basic VPN Setup.



Etapa 2. No campo *New Connection Name*, digite um nome para o túnel VPN. O nome pode conter apenas letras, números e hífens.

Note: Neste exemplo, o nome é Branch1.

A screenshot of the 'Basic VPN Setup' configuration page. The page title is 'Basic VPN Setup'. Below the title is a section 'About Basic VPN Setup' with a 'View Default Settings' button. The main configuration area is titled 'Connection Name and Remote IP Type' and contains the following fields: 'New Connection Name:' with the value 'Branch1' (highlighted with a red box), 'Pre-Shared Key:' with the value 'Cisco1234\$', 'Protocol:' with a dropdown menu set to 'ESP', and 'Endpoint Information' section with a 'Remote Endpoint:' dropdown set to 'IP Address'. Below this are several IP address and subnet mask fields: 'Remote WAN (Internet) IP Address:' (10.11.12.13), 'Local WAN (Internet) IP Address:' (192.168.100.121), 'Remote LAN (Local Network) IP Address:' (10.10.100.162), 'Remote LAN (Local Network) Subnet Mask:' (255.0.0.0), 'Local LAN (Local Network) IP Address:' (192.168.100.128), and 'Local LAN (Local Network) Subnet Mask:' (255.255.255.0). At the bottom of the page are three buttons: 'Save', 'Cancel', and 'Back'.

Etapa 3. No campo *Pre-Shared Key*, insira a chave ou senha pré-compartilhada, que será trocada entre os dois roteadores. A senha deve ter entre 8 e 49 caracteres.

Note: Neste exemplo, a chave pré-compartilhada é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 4. Na lista suspensa Protocolo, escolha o nome do protocolo. As opções são:

- ESP — O protocolo ESP (Encapsulating Security Payload, payload de segurança de encapsulamento) fornece a autenticidade de origem, integridade e proteção de confidencialidade dos pacotes.
- AH — O protocolo AH (Authentication Header, cabeçalho de autenticação) autentica a origem dos datagramas e garante a integridade dos dados.

Note: Neste exemplo, o ESP é escolhido.

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:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 5. Escolha o ponto de extremidade remoto no menu suspenso. As opções são:

- Endereço IP — Essa opção identificará o roteador ao qual seu dispositivo se conectará com seu endereço IP.
- FQDN — Nome de domínio totalmente qualificado (FQDN) identificará o roteador ao qual seu dispositivo se conectará com seu nome de domínio.

Note: Neste exemplo, Endereço IP é escolhido.

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:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 6. Insira o endereço IP remoto da WAN (Internet) ou FQDN no campo *Endereço IP da WAN remota (Internet)*.

Note: Neste exemplo, o endereço IP da WAN remota (Internet) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: Hint: 1.2.3.4 or abc.com

Local WAN (Internet) IP Address:

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)

Passo 7. Verifique se o endereço IP origem no campo *Local WAN (Internet) IP Address (Endereço IP da WAN local)* está correto. Isso é gerado automaticamente.

Note: Neste exemplo, o endereço IP da WAN local (Internet) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 8. Insira o endereço IP da rede privada (LAN) do ponto final remoto no campo *Remote LAN (Local Network) IP Address (Endereço IP da LAN remota)*. Esse é o endereço IP da rede interna no local remoto.

Note: Neste exemplo, o Endereço IP da LAN Remota (Rede Local) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 9. Verifique a máscara de sub-rede da rede privada (LAN) do endpoint remoto no campo *LAN remota (Internet) Máscara de sub-rede*. Isso é gerado automaticamente.

Note: Neste exemplo, a máscara de sub-rede da LAN remota (rede local) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 10. Insira o endereço IP da rede privada (LAN) na rede local no campo *Local LAN (Local Network) IP Address*. Esse é o endereço IP da rede interna no dispositivo.

Note: Neste exemplo, o endereço IP da LAN local (rede local) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Etapa 11. Verifique a máscara de sub-rede da rede privada (LAN) do ponto de extremidade local no campo *Máscara de sub-rede Local LAN (Rede Local)*. Isso é gerado automaticamente.

Note: Neste exemplo, a máscara de sub-rede da LAN local (rede local) é 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:

Pre-Shared Key:

Protocol:

Endpoint Information

Remote Endpoint:

Remote WAN (Internet) IP Address: (Hint: 1.2.3.4 or abc.com)

Local WAN (Internet) IP Address:

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)

Note: Os endereços IP remotos da WAN e da LAN não podem estar na mesma sub-rede. Por exemplo, um endereço IP de LAN remota 192.168.1.100 e um endereço IP de LAN local 192.168.1.115 causam um conflito quando o tráfego é roteado pela VPN. O terceiro octeto deve ser diferente para que os endereços IP estejam em sub-redes diferentes. Por exemplo, um endereço IP de LAN remota 192.168.1.199 e um endereço IP de LAN local 192.168.2.100 são aceitáveis.

Etapa 12. Click **Save**.

Agora você deve ter configurado com êxito a VPN IPsec de site a site no roteador RV132W ou RV134W.