

在RV132W或RV134W路由器上配置站点到站点IPsec虚拟专用网(VPN)

目标

站点到站点虚拟专用网络(VPN)根据分配给VPN拓扑的IPsec策略实施。IPsec策略是一组参数，用于定义站点到站点VPN的特征，例如用于保护IPsec隧道中流量的安全协议和算法。

RV132W和RV134W路由器支持单个网关到网关VPN隧道的站点到站点IPsec VPN。配置基本VPN设置后，您可以安全地连接到另一个启用VPN的路由器。例如，您可以配置分支机构站点的设备以连接到连接企业站点站点到站点VPN隧道的路由器，以便分支机构站点能够安全访问企业网络。

本文旨在向您展示如何在RV132W或RV134W路由器上为站点到站点IPsec连接配置基本VPN设置。

适用设备

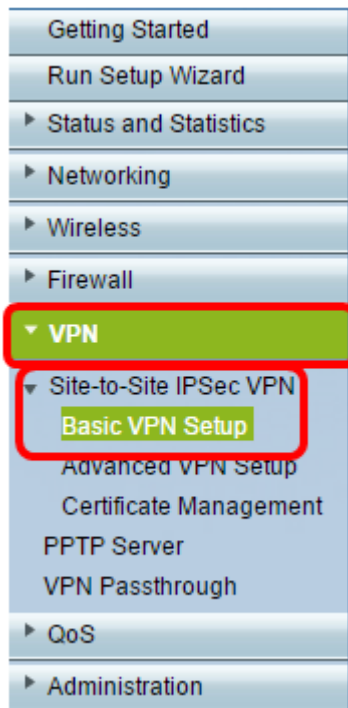
- RV132W
- RV134W

软件版本

- 1.0.0.17 — RV132W
- 1.0.0.21 — RV134W

在路由器上配置站点到站点IPSec VPN

步骤1. 登录到基于Web的实用程序，然后选择VPN > Site-to-Site IPSec VPN > Basic VPN Setup。



步骤2.在New Connection Name字段中，输入VPN隧道的名称。名称只能包含字母、数字和连字符。

注意：在本例中，名称为Branch1。

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)

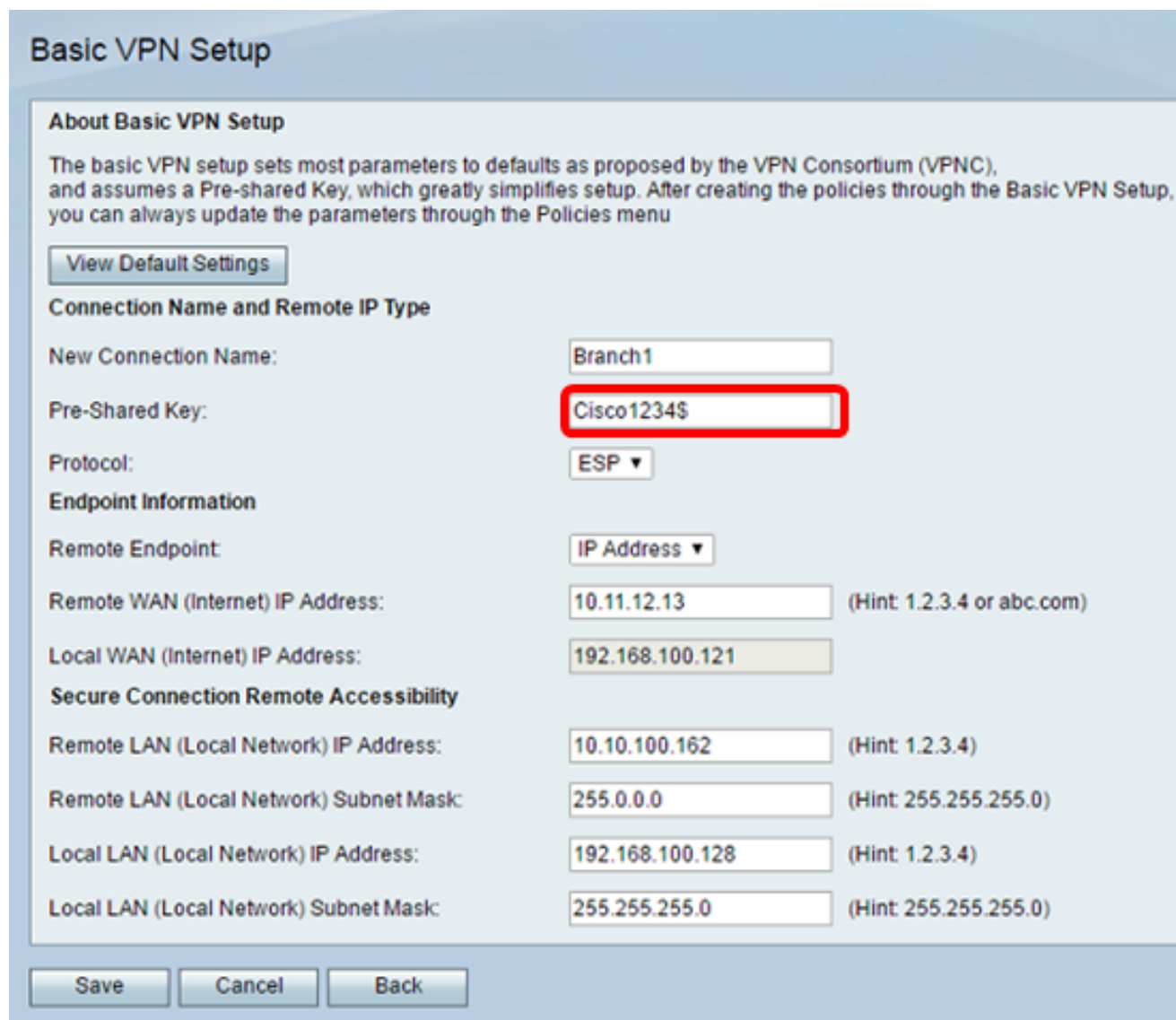
Remote LAN (Local Network) Subnet Mask: (Hint: 255.255.255.0)

Local LAN (Local Network) IP Address: (Hint: 1.2.3.4)

Local LAN (Local Network) Subnet Mask: (Hint: 255.255.255.0)

步骤3.在预共享密钥字段中，输入将在两台路由器之间交换的预共享密钥或密码。密码必须介于8到49个字符之间。

注意：在本例中，预共享密钥是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:

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)

步骤4.在Protocol下拉列表中，选择协议名称。选项有：

- ESP — 封装安全负载(ESP)协议为数据包提供原始真实性、完整性和机密性保护。
- AH — 身份验证报头(AH)协议验证数据报的来源并保证数据的完整性。

注意：在本例中，选择ESP。

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)

步骤5.从下拉菜单中选择Remote Endpoint。选项有：

- IP地址 — 此选项将标识您的设备将连接到的路由器及其IP地址。
- FQDN — 完全限定域名(FQDN)将标识您的设备将连接到的路由器及其域名。

注意：在本例中，选择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:

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)

步骤6.在Remote WAN(Internet)IP Address(远程WAN(Internet)IP地址)字段中输入远程WAN(Internet)IP地址。

注意：在本例中，远程WAN（互联网）IP地址为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)

步骤7.验证Local WAN(Internet)IP Address(本地WAN(互联网)IP地址)字段中的源IP地址是否正确。这是自动生成的。

注意：在本例中，本地WAN (互联网) IP地址为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)

步骤8.在Remote LAN(Local Network)IP Address字段中输入远程终端的专用网络(LAN)IP地址。这是远程站点内部网络的IP地址。

注意：在本例中，远程LAN（本地网络）IP地址为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)

步骤9.在Remote LAN(Internet)Subnet Mask(远程LAN(Internet)子网掩码)字段中，检验远程终端的专用网络(LAN)子网掩码。这是自动生成的。

注意：在本例中，远程LAN（本地网络）子网掩码为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)

步骤10.在Local LAN(Local Network)IP Address字段中输入本地网络的专用网络(LAN)IP地址。这是设备上内部网络的IP地址。

注意：在本例中，本地LAN（本地网络）IP地址为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)

步骤11.在本地LAN (本地网络)子网掩码字段中检验本地终端的专用网(LAN)子网掩码。这是自动生成的。

注意：在本例中，本地LAN (本地网络)子网掩码为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)

注意：远程WAN和远程LAN IP地址不能位于同一子网中。例如，当流量通过VPN路由时，远程LAN IP地址192.168.1.100和本地LAN IP地址192.168.1.115会导致冲突。第三个二进制八位数必须不同，以便IP地址位于不同的子网中。例如，可以接受远程LAN IP地址192.168.1.199和本地LAN IP地址192.168.2.100。

步骤12.单击“保存”。

现在，您应该已在RV132W或RV134W路由器上成功配置了站点到站点IPsec VPN。