RV130和RV130W上的基本VPN设置

目标

企业通常使用虚拟专用网络(VPN)作为扩展企业网络内部网的一种方式，企业网络内部网是专为公司员工设计的站点。VPN是在公共网络基础设施内构建的专用网络。在典型的小型企业环境中，VPN可以扩展地理连接，降低与传统广域网(WAN)相比的运营成本，并提高员工工作流程的工作效率。

通过Basic VPN Setup页面，可以轻松地与其他位置网关设备设置网关到网关VPN隧道。VPN隧道还允许远程用户使用VPN客户端软件访问路由器的局域网(LAN)网络。

注意：RV130和RV130W支持第三方IPSec VPN软件。有关详细信息，请参阅产品管理指南。

本文档的目标是解释如何在RV130设备上配置基本VPN。

适用设备 |固件版本

- RV130 | V 1.0.3.28(下载最[新版本](#))
- RV130W | V 1.0.3.28(下载最[新版本](#))

查看默认VPN设置

步骤1.使用路由器配置实用程序选择VPN > Site-to-Site IPSec VPN > Basic VPN Setup。*Basic VPN Setup*页面打开：

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]

步骤2.单击View Default Settings按钮查看Basic VPN设置的默认值。

Basic VPN Setup

About Basic VPN Setup

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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]

"基本VPN设置"页面显示默认设置：

Basic VPN Setup

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

步骤3.单击**Back**按钮返回到*Basic VPN Setup*窗口。

Basic VPN Setup

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

基本VPN设置

步骤1.使用路由器配置实用程**序选择VPN >站点到站点IPSec VPN >基本VPN设置**。*Basic VPN Setup*页面打开：

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

步骤2.在*New Connection Name*字段中输入连接名称。此名称将用于管理，对VPN的操作没有影响。

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:	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]

步骤3.在*Pre-Shared Key*（预共享密钥）*字段*中输入预共享密钥。VPN客户端或网关需要此密钥才能建立VPN连接。

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: 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]

第4步：在*远程终端*下拉列表中，为远程网关将用于建立连接的地址类型选择**IP地址**或**FQDN**。

可用选项定义如下：

- IP地址 — 由句点分隔的唯一数字字符串，用于标识使用Internet协议的每台计算机，以便通过网络通信。
- FQDN（完全限定域名）— Internet、特定计算机或特定主机的完整域名。FQDN由两部分组成：主机名和域名。例如，假设邮件服务器的FQDN可能是*mymail.companyname.org*。主机名为*mymail*，主机位于域*companyname.org*中。

步骤5.根据您在步骤4中所做的选择，在*Remote WANs(Internet)IP Address字段*中输入*IP地址*或*FQDN*。

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: 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]

步骤6.在Remote LAN(Local Network)IP Address和Remote LAN(Local Network)Subnet Mask字段中输入远程LAN的IP地址和子网掩码。

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: | 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]

步骤7.在*Local LAN(Local Network)IP Address*和*Local LAN(Local Network)Subnet Mask*字段中输入本地LAN的IP地址和子网掩码。

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: | 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]

步骤8.单击**Save**保存设置。

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