

RV130 및 RV130W에서 기본 VPN 설정

목표

VPN(Virtual Private Network)은 기업 네트워크 인트라넷을 확장하기 위한 수단으로 기업에서 자주 사용되며, 이는 회사 직원에게만 사용하도록 설계된 사이트입니다. VPN은 공용 네트워크 인프라 내에 구축된 사설 네트워크입니다. 일반적인 소규모 비즈니스 환경에서 VPN은 지리적 연결을 확장하고, 기존 WAN(Wide Area Network)에 비해 운영 비용을 줄이며, 직원 워크플로의 생산성을 높일 수 있습니다.

Basic VPN Setup(기본 VPN 설정) 페이지에서는 다른 위치 게이트웨이 디바이스와 함께 게이트웨이 간 VPN 터널을 쉽게 설정할 수 있습니다. 또한 VPN 터널을 사용하면 원격 사용자가 VPN 클라이언트 소프트웨어를 사용하여 라우터의 LAN(Local Area Network) 네트워크에 액세스할 수 있습니다.

참고: RV130 및 RV130W는 타사 IPSec VPN 소프트웨어를 지원합니다. 자세한 내용은 제품 관리 가이드를 참조하십시오.

이 문서의 목적은 RV130 디바이스에서 기본 VPN을 구성하는 방법을 설명하는 것입니다.

적용 가능한 디바이스 | 펌웨어 버전

- RV130 | V 1.0.3.28([최신 다운로드](#))
- RV130W | V 1.0.3.28([최신 다운로드](#))

기본 VPN 설정 보기

1단계. 라우터 컨피그레이션 유틸리티를 사용하여 **VPN > Site-to-Site IPSec VPN > Basic VPN Setup**을 선택합니다. Basic VPN Setup 페이지가 열립니다.

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](#)

2단계. View Default **Settings**(기본 설정 보기) 버튼을 클릭하여 Basic VPN에서 설정한 기본값을 확인합니다.

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

Basic VPN Setup(기본 VPN 설정) 페이지에는 기본 설정이 표시됩니다.

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

3단계. Back(뒤로) 버튼을 클릭하여 *Basic VPN Setup*(기본 VPN 설정) 창으로 돌아갑니다.

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

기본 VPN 설정

1단계. 라우터 컨피그레이션 유틸리티를 사용하여 **VPN > Site-to-Site IPSec VPN > Basic VPN Setup**을 선택합니다. Basic VPN Setup 페이지가 열립니다.

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: ▼

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](#)

2단계. *New Connection Name* 필드에 연결 이름을 입력합니다. 이 이름은 관리 용도로 사용되며 VPN 작동에는 영향을 주지 않습니다.

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

3단계. 사전 공유 키 필드에 사전 공유 키를 입력합니다. 이 키는 VPN 클라이언트 또는 게이트웨이가 VPN 연결을 설정하기 위해 필요합니다.

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:

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](#)

4단계. Remote Endpoint(원격 엔드포인트) 드롭다운 목록에서 IP 주소 또는 원격 게이트웨이가 연결을 설정하는 데 사용할 주소 유형에 대한 FQDN을 선택합니다.

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:

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](#)

사용 가능한 옵션은 다음과 같이 정의됩니다.

- IP Address(IP 주소) - 인터넷 프로토콜을 사용하여 네트워크를 통해 통신하는 각 시스템을 식별하는 마침표로 구분된 고유한 숫자 문자열입니다.
- FQDN(정규화된 도메인 이름) - 인터넷, 특정 컴퓨터 또는 특정 호스트의 전체 도메인 이름입니다. FQDN은 두 부분으로 구성됩니다. 호스트 이름 및 도메인 이름을 들어 가상 메일 서버의 FQDN은 mymail.companynamename.org일 수 있습니다. 호스트 이름은 mymail이며 호스트는 도메인 companynamename.org에 있습니다.

5단계. 4단계에서 선택한 내용에 따라 IP 주소 또는 FQDN을 *Remote WANs (Internet) IP Address* 필드에 입력합니다.

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:

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](#)

6단계. 원격 LAN(로컬 네트워크) IP 주소 및 원격 LAN(로컬 네트워크) 서브넷 마스크 필드에 원격 LAN의 IP 주소와 서브넷 마스크를 입력합니다.

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:

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](#)

7단계. 로컬 LAN(로컬 네트워크) IP 주소 및 로컬 LAN(로컬 네트워크) 서브넷 마스크 필드에 로컬 LAN의 IP 주소와 서브넷 마스크를 입력합니다.

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:

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](#)

8단계. 설정을 저장하려면 저장을 클릭합니다.

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:

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)

이 문서와 관련된 비디오 보기...

[여기를 클릭하여 Cisco의 다른 기술 대화를 확인하십시오.](#)