

Configurazione VPN base su RV130 e RV130W

Obiettivo

Una rete VPN (Virtual Private Network) viene spesso utilizzata dalle aziende come mezzo per estendere le intranet delle reti aziendali, ovvero siti progettati per essere utilizzati solo dai dipendenti dell'azienda. Una VPN è una rete privata costruita all'interno di un'infrastruttura di rete pubblica. In un ambiente tipico di una piccola impresa, le VPN possono estendere la connettività geografica, ridurre i costi operativi rispetto alle tradizionali reti WAN e migliorare la produttività nel flusso di lavoro dei dipendenti.

La pagina Configurazione VPN di base consente di configurare facilmente un tunnel VPN da gateway a gateway con altri dispositivi gateway di posizione. Il tunnel VPN consente inoltre agli utenti remoti di accedere alla rete LAN (Local Area Network) del router utilizzando il software client VPN.

Nota: I modelli RV130 e RV130W supportano software VPN IPSec di terze parti. Per ulteriori informazioni, consultare la guida all'amministrazione del prodotto.

L'obiettivo di questo documento è spiegare come configurare la VPN base sui dispositivi RV130.

Dispositivi interessati | Versione firmware

- RV130 | V 1.0.3.28 ([scarica la versione più recente](#))
- RV130W | V 1.0.3.28 ([scarica la versione più recente](#))

Visualizza impostazioni VPN predefinite

Passaggio 1. Utilizzare l'utility di configurazione del router per scegliere **VPN > VPN IPSec da sito a sito > Configurazione VPN di base**. Viene visualizzata la pagina *Configurazione VPN di base*:

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](#)

Passaggio 2. Fare clic sul pulsante **View Default Settings** (Visualizza impostazioni predefinite) per visualizzare i valori predefiniti impostati dalla VPN di base.

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[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

La pagina *Configurazione VPN di base* visualizza le impostazioni predefinite:

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

Passaggio 3. Fare clic sul pulsante **Indietro** per tornare alla finestra *Configurazione VPN di base*.

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

Configurazione VPN di base

Passaggio 1. Utilizzare l'utilità di configurazione del router per scegliere **VPN > VPN IPsec da sito a sito > Configurazione VPN di base**. Viene visualizzata la pagina *Configurazione VPN di base*:

Basic VPN Setup

About Basic VPN Setup

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[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](#)

Passaggio 2. Immettere un nome di connessione nel campo *Nuovo nome connessione*. Questo nome verrà utilizzato per scopi di gestione e non ha alcun impatto sul funzionamento della VPN.

Basic VPN Setup

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[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

Passaggio 3. Immettere una chiave già condivisa nel campo *Chiave già condivisa*. Questa chiave è richiesta da un client VPN o da un gateway per stabilire una connessione VPN.

Basic VPN Setup

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[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](#)

Passaggio 4. Nell'elenco a discesa *Endpoint remoto*, scegliere **Indirizzo IP** o **FQDN** per il tipo di indirizzo che verrà utilizzato dal gateway remoto per stabilire una connessione.

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[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](#)

Le opzioni disponibili sono definite come segue:

- Indirizzo IP - Stringa univoca di numeri separati da punti che identifica ogni computer che utilizza il protocollo Internet per comunicare in rete.
- FQDN (Fully Qualified Domain Name): nome di dominio completo per Internet, un computer specifico o un host specifico. L'FQDN è costituito da due parti: il nome dell'host e il nome del dominio. Ad esempio, un FQDN per un ipotetico server di posta potrebbe essere *mymail.companynome.org*. Il nome host è *mymail* e l'host si trova nel dominio *nomeazienda.org*.

Passaggio 5. Immettere l'indirizzo IP o il nome FQDN, a seconda della selezione effettuata al passaggio 4, nel campo *Indirizzo IP Remote WAN (Internet)*.

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[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](#)

Passaggio 6. Immettere l'indirizzo IP e la subnet mask della LAN remota nei campi *Indirizzo IP (rete locale)* e *Subnet mask (rete locale)*.

Basic VPN Setup

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[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](#)

Passaggio 7. Immettere l'indirizzo IP e la subnet mask della LAN locale nei campi *Indirizzo IP LAN locale (rete locale)* e *Subnet mask LAN locale (rete locale)*.

Basic VPN Setup

About Basic VPN Setup

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[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](#)

Passaggio 8. Fare clic su **Save** per salvare le impostazioni.

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[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)

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