

RV 130 and RV 130W Tutorial

Step 1

From the web interface Choose **Administration** and then **Device Properties**

Give a name to all of your devices (Make sure the Host names are different between each router)

For this example I have named my first device CISCORV001 and my second device DEVICE2



The screenshot displays the Cisco RV130W Web Management Interface. The top header shows the Cisco logo and the device model "RV130W Wireless-N VPN Firewall". On the left, a navigation menu is visible with the following items: Getting Started, Status, Networking, Wireless, Firewall, VPN, QoS, Administration (expanded), Device Properties (highlighted), Password Complexity, Users, Session Timeout, SNMP, Diagnostics, Logging, Bonjour, Time Settings, Backup / Restore Settings, Firmware/Language Upgrade, Reboot, and Setup Wizard. The main content area is titled "Device Properties" and contains two input fields: "Host Name:" with the value "CISCORV001" and "Domain Name:" which is empty. Below these fields are "Save" and "Cancel" buttons.

Step 2

Under the **VPN** section choose,

-**Site-to-Site IPsec VPN** and then

-- **Advanced VPN Setup**

Under **IKE Policy Table** choose **Add Row**

Follow the details using your own details like the image below.

The screenshot shows the configuration interface for a Cisco RV130W Wireless-N VPN Firewall. The left sidebar contains a navigation menu with the following items: Getting Started, Status, Networking, Wireless, Firewall, VPN (expanded), Site-to-Site IPsec VPN (expanded), Basic VPN Setup, Advanced VPN Setup (highlighted), IPsec VPN Server, PPTP Server, VPN Passthrough, SSL Certificate, VPN Setup Wizard, QoS, and Administration. The main content area is titled "Advanced VPN Setup" and contains the "Add / Edit IKE Policy Configuration" form. The form fields are as follows:

Field	Value
IKE Name:	Office
Exchange Mode:	Aggressive
Local	
Local Identifier Type:	FQDN
Local Identifier:	CISCORV001
Remote	
Remote Identifier Type:	FQDN
Remote Identifier:	DEVICE2
IKE SA Parameters	
Encryption Algorithm:	AES-128
Authentication Algorithm:	MD5
Authentication Method:	Pre-Shared Key
Pre-Shared Key:	password12345
DH Group:	Group2 (1024 bit)
SA-Lifetime:	28800 Seconds (Range: 30 - 86400, Default: 28800)
Dead Peer Detection:	<input type="checkbox"/> Enable
DPD Delay:	10 (Range: 10 - 999, Default: 10)
DPD Timeout:	30 (Range: 30 - 1000, Default: 30)

At the bottom of the form are three buttons: Save, Cancel, and Back.

Click Save when you're done and proceed to step 3

Step 3

From the **VPN Policy Table** choose **Add Row**

Follow the steps using your own details like the image below.

The screenshot shows the 'Add / Edit VPN Policy Configuration' page. The left sidebar has 'VPN' selected, with sub-options like 'Advanced VPN Setup'. The main configuration area is titled 'Add / Edit VPN Policy Configuration' and contains the following fields:

- General:** IPSec Name: Office; Policy Type: Auto Policy; Remote Endpoint: IP Address, 8.8.8.8 (Hint: 1.2.3.4 or abc.com); NetBios Enabled:
- Local Traffic Selection:** Local IP: Subnet; IP Address: 192.168.1.0 (Hint: 1.2.3.4); Subnet Mask: 255.255.255.0 (Hint: 255.255.255.0)
- Remote Traffic Selection:** Remote IP: Subnet; IP Address: 192.168.2.0 (Hint: 1.2.3.4); Subnet Mask: 255.255.255.0 (Hint: 255.255.255.0)
- Manual Policy Parameters:** SPI-Incoming: 0x; SPI-Outgoing: 0x; Manual Encryption Algorithm: 3DES; Key-In: ; Key-Out: ; Manual Integrity Algorithm: SHA-1; Key-In: ; Key-Out:
- Auto Policy Parameters:** IPSec SA Lifetime: 3600 Seconds (Range: 30 - 86400, Default: 3600); Encryption Algorithm: 3DES; Integrity Algorithm: MD5; PFS Key Group: Enable; DH Group: Group 1(768 bit); Select IKE Policy: Office

A 'View' button is located at the bottom right of the configuration area.

This is an example, I'm not using my original names and IP's as you can understand.

Under remote management add your **Remote Endpoint IP**

*Important at the **Local Traffic Section** you must add the IP of your RV router and at the **Remote Traffic Selection** the IP of the other RV router*

For this example I have used 192.168.1.0, BUT I have also in the past used the IP of the actual router 192.168.1.1, it has worked as well.

Make sure you test it and see which works for you best, although both options will work.

Once everything is filled out just save and you should be good to go.

If you don't see the routers connecting to each other just reboot them.

Good luck

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