

Enable VPN Passthrough on the RV016, RV042, RV042G and RV082 VPN Routers

Objective

VPN Passthrough is a feature which is used to allow VPN traffic generated from VPN clients connected to this router to pass through the router. Generally, every router supports Network Address Translation (NAT) in order to conserve IP addresses when you want to support several clients with the same Internet connection. The VPN passthrough allows the VPN to pass through to the Internet, which is initiated from a VPN client, and then sent to the remote VPN gateway. This feature is commonly found on home routers that support NAT.

This article explains how to enable the VPN passthrough on the RV016, RV042, RV042G, and RV082 VPN Routers.

Applicable Devices

- RV016
- RV042
- RV042G
- RV082

Software version

- v4.2.2.08

Enable VPN Passthrough

Step 1. Log in to the Router Configuration Utility and choose **VPN > VPN Passthrough**. The *VPN Passthrough* page opens:



VPN Passthrough

IPSec Passthrough : Enable Disable

PPTP Passthrough : Enable Disable

L2TP Passthrough : Enable Disable

Save Cancel

Step 2. (Optional) To allow IPSec tunnels to pass through the router click the **Enable** radio button in the *IPSec Passthrough* field. This option should be enabled when an IPSec VPN tunnel is in use on the RV0xx series routers or if the RV0xx Series routers lies between two end points of an IPSec VPN tunnel. IPSec uses encapsulated security payload and authentication header to secure data transfer.

Step 3. (Optional) To allow Point-to-Point Tunneling Protocol to pass through the router, click the **Enable** radio button in the *PPTP Passthrough* field. This option should be enabled when

the RV0xx series router lies between two end points of a PPTP VPN tunnel. PPTP is used to ensure reliable and secure transfer of traffic from one node of VPN to another as it supports both encryption and compression of data packets.

Step 4. (Optional) To allow Layer 2 Tunneling Protocol to pass through the router, click the **Enable** radio button in the *L2TP Passthrough* field. This option should be enabled when the RV0xx series router lies between two end points of a L2TP VPN tunnel. L2TP is more secure than PPTP but needs more time to compute as it has more encryption overhead.

Step 5. Click **Save**. The VPN passthrough configuration is saved.