Configuring an IPSEC VPN using the MAC Built in Client to RV32x Series Router

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Objective

The objective of this document is to show users how to use the MAC Built in client to connect to an RV32x Router.

Applicable Devices | Software Version

RV320 | 1.3.2.02

RV325 | 1.4.2.22

Introduction

An Internet Protocol Security Virtual Private Network (IPSEC VPN) allows you to securely obtain remote resources by establishing an encrypted tunnel across the internet. The MAC built-in client, is a built in Client available on all MACs that allows you to connect to the VPN using IPSEC. The RV32x routers work as IPSEC VPN servers and support the MAC built-in client.

This document has two parts:

Configure RV32x Series Router

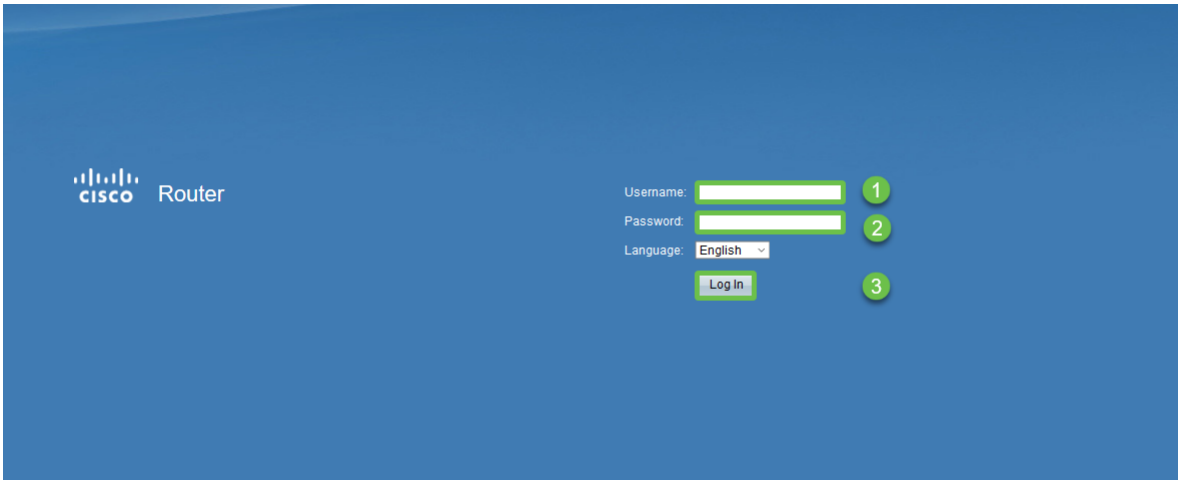
Configure MAC built-in Client

Configure RV32x Series Router:

We will start by configuring the Client-to-Site VPN on the RV32x series router.

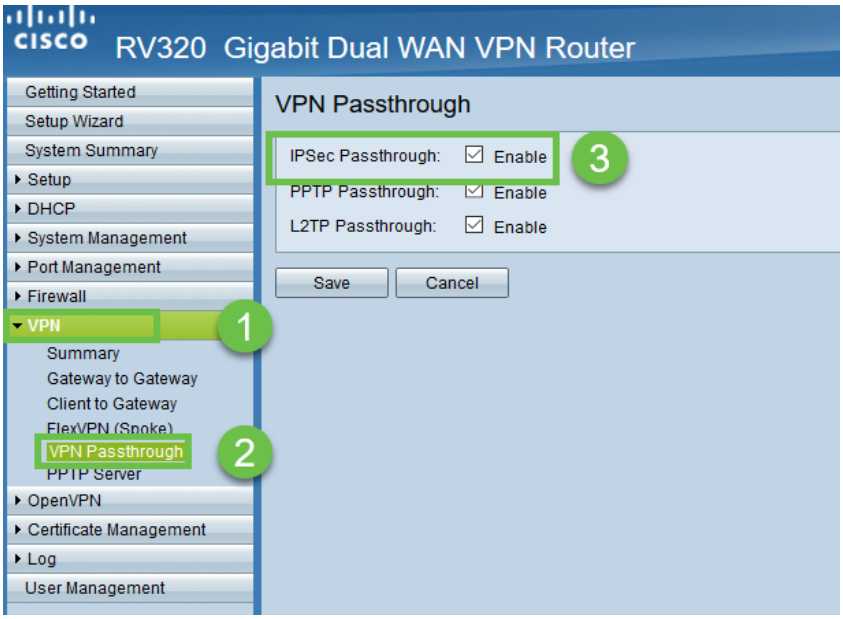
Step 1

Log in to the router using valid credentials.



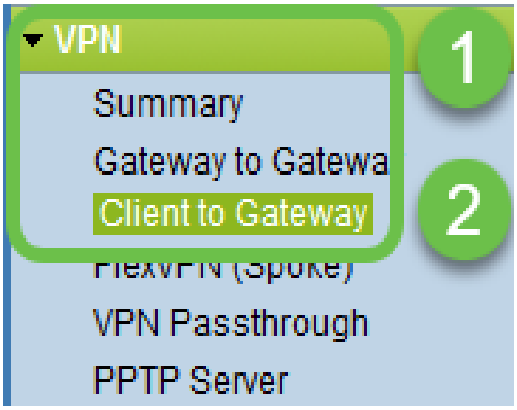
Step 2

Navigate to **VPN > VPN passthrough**. Confirm IPSEC Passthrough is enabled and click **Save.**



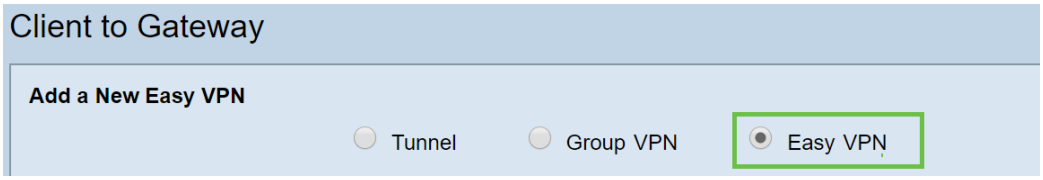
Step 3

Navigate to **VPN > Client to Gateway.**



Step 4

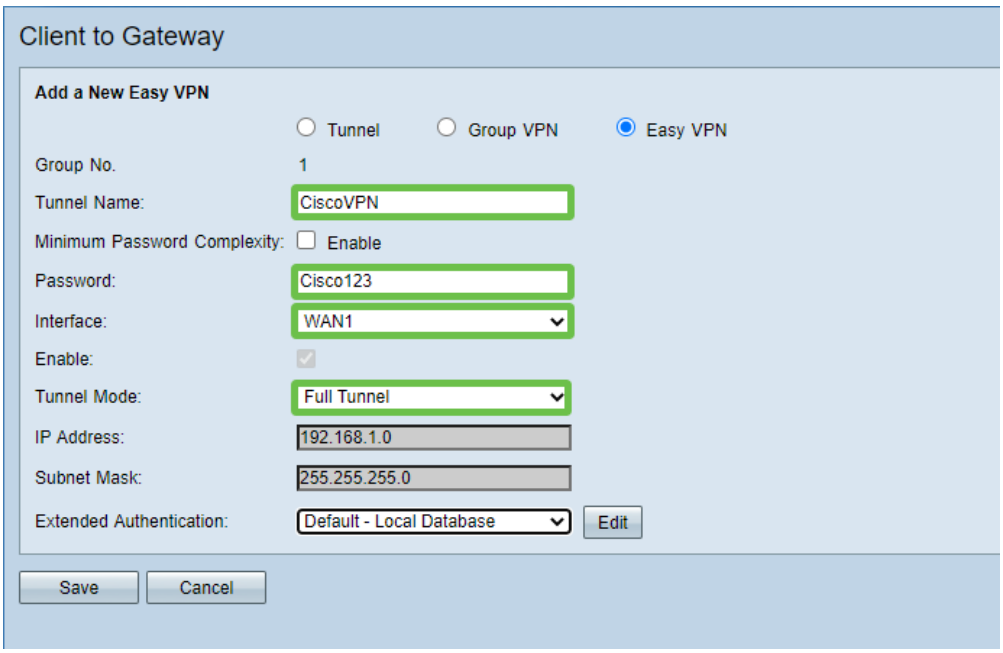
Select the **Easy VPN Option.**



Step 5

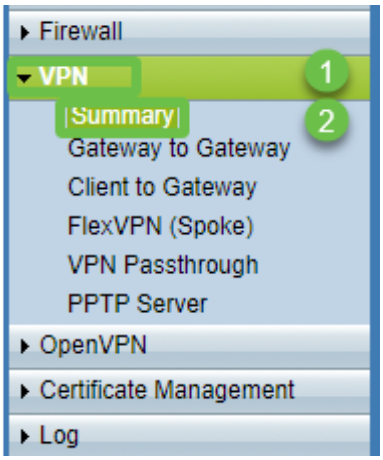
Configure *Tunnel Name,* enter a *Password,* select the *WAN interface,* and *enable* the Tunnel and select *Tunnel Mode. Click* **Save** to save the configurations.

Full tunnel mode chosen and password complexity has been disabled.



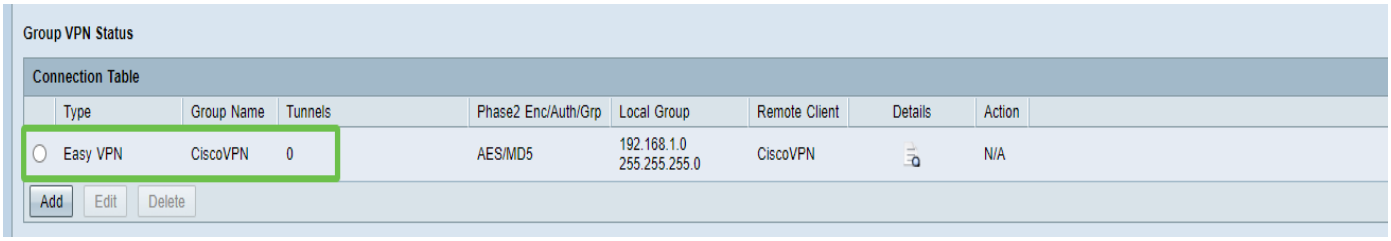
Step 6

Navigate to **VPN > Summary** and confirm VPN tunnel has been configured.



Step 7

Confirm the VPN tunnel has been configured.

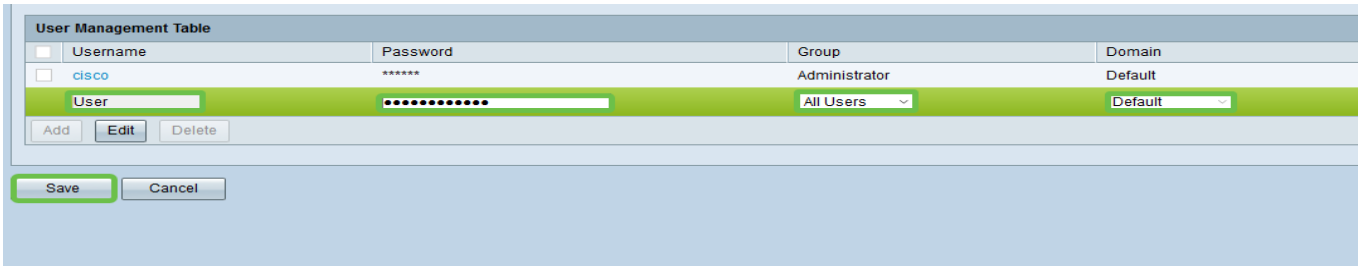


Step 8

Navigate to User Management and select the **add** button under User Management table

Step 9

Enter *Username, Password*, select *Group*, *Domain* and click **Save**.

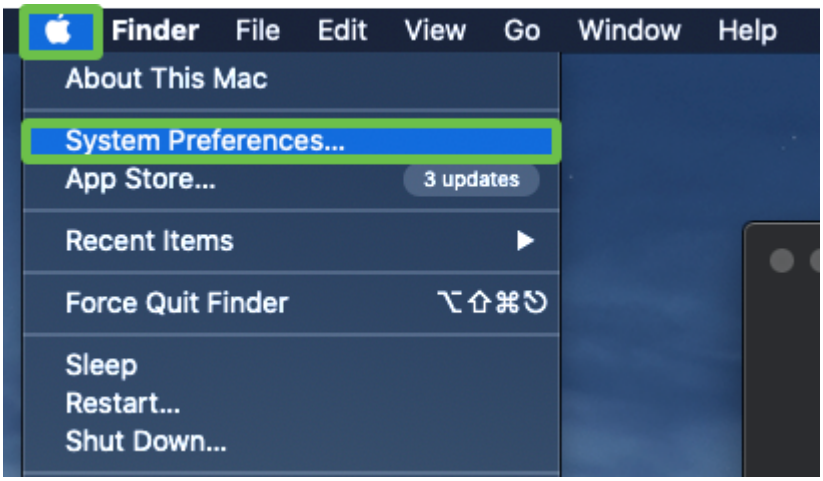


Configure MAC Built in Client

We will now configure the MAC Built in Client.

Step 1

Navigate to the apple icon in the tool bar. Choose **System Preferences**.

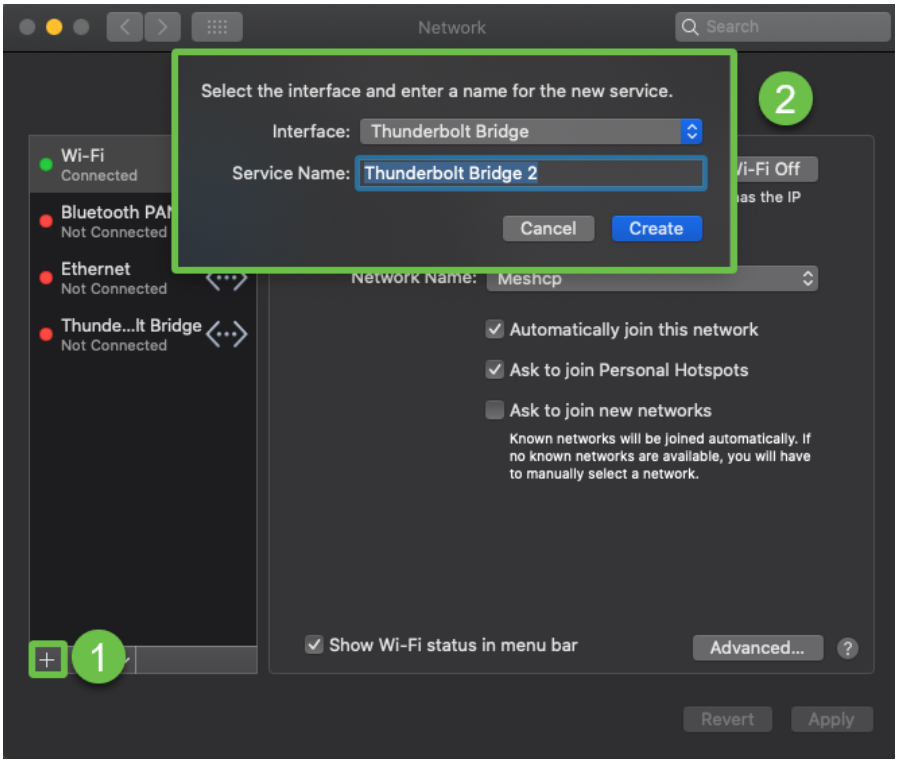


Step 2

Navigate to **Network**

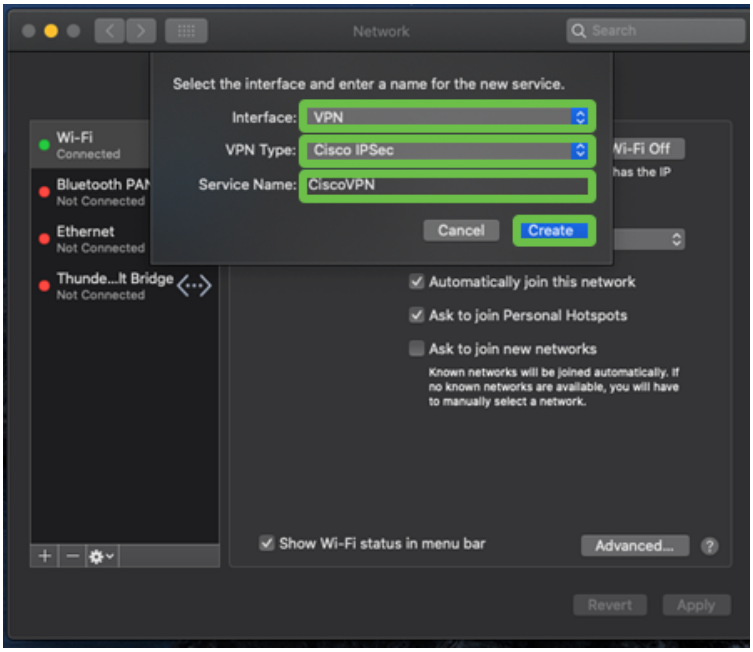
Step 3

Go to **Add** button and then **select interface** tab will appear.



Step 4

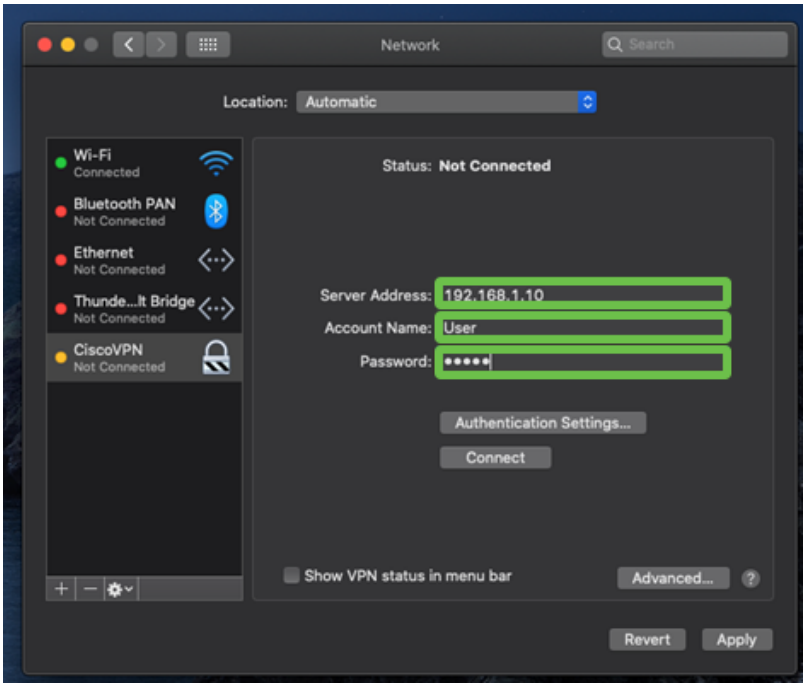
Select *Interface* as **VPN**, *VPN Type* as **Cisco IPSec**, and enter the *Service Name* to match the Tunnel name that was configured in your router. Click **Create**.



Step 5

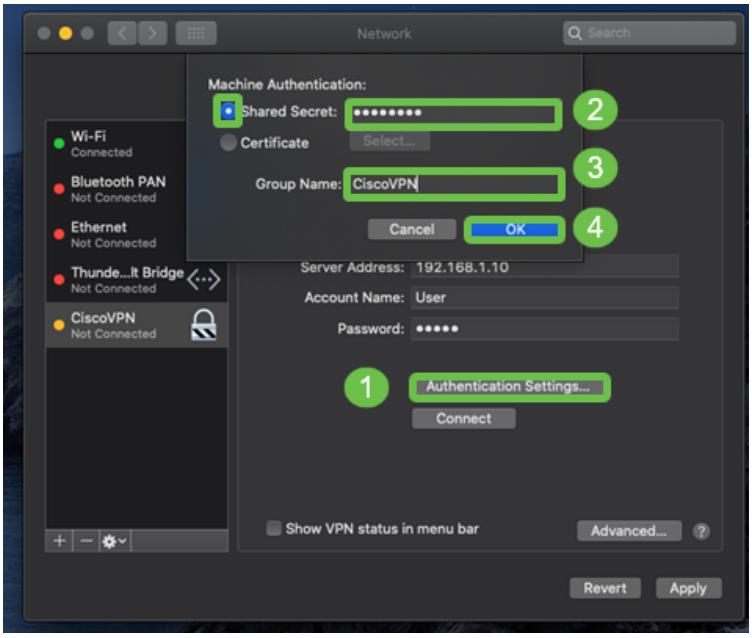
Navigate to the VPN, enter *Server Address*, *Account Name* and *Password*.

The account name and password are those configured in User Accounts.



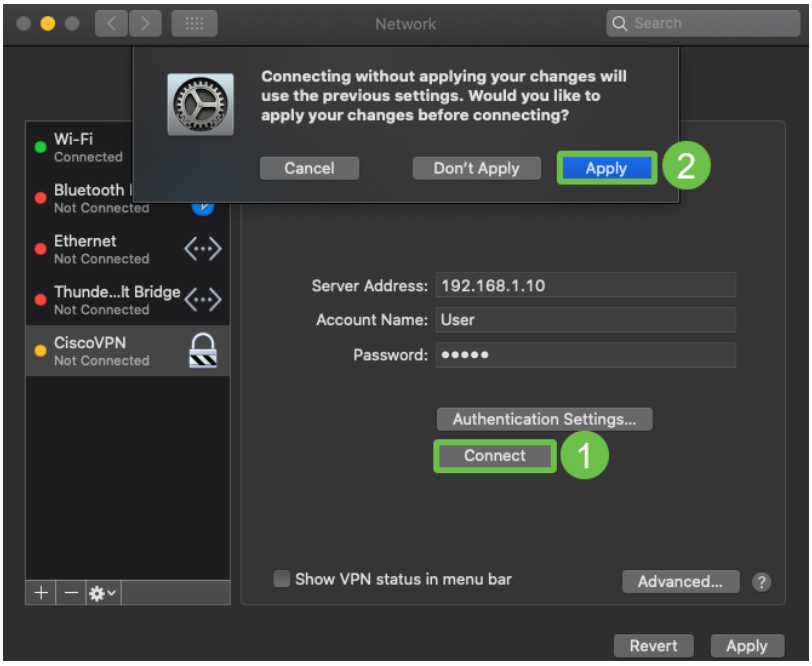
Step 6

Choose **Authentication Settings** button, the Machine Authentication tab will appear. Enter the Tunnel password key in *Shared Secret* and Tunnel name in *Group Name*, press **OK**.



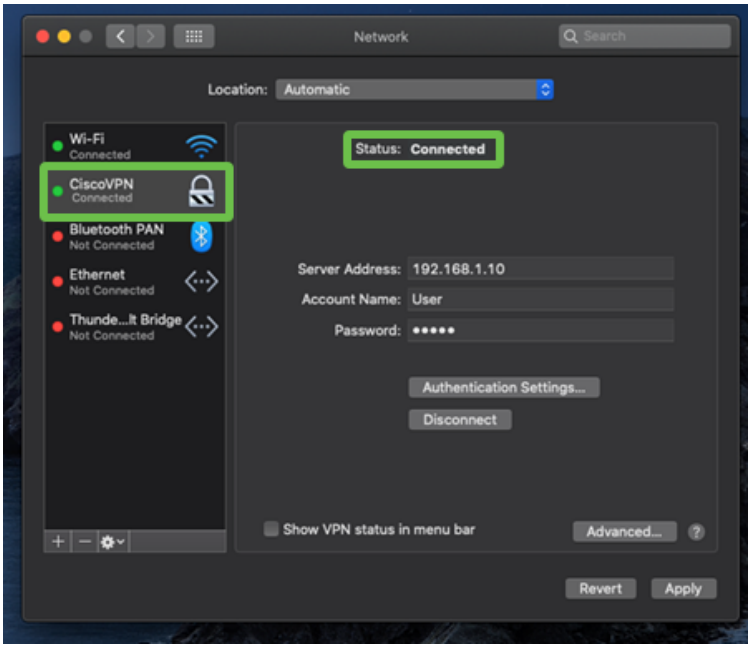
Step 7

Press **Connect,** a warning will appear, press **Apply.**



Step 8

The connection status should show as **Connected.**



Conclusion

We have configured the Easy VPN tunnel using IPSEC IKEV1 between the RV32X series router and a MAC computer by using the MAC built-in client. It's important to be sure the tunnel is configured on the router using Easy VPN for this connection and entering the same information on the client side to ensure a connection. Now you are able to connect to your VPN and access the information you may need to access.