Enable WAN Port Packet Capture Capabilities on RV340 series Routers

Objective

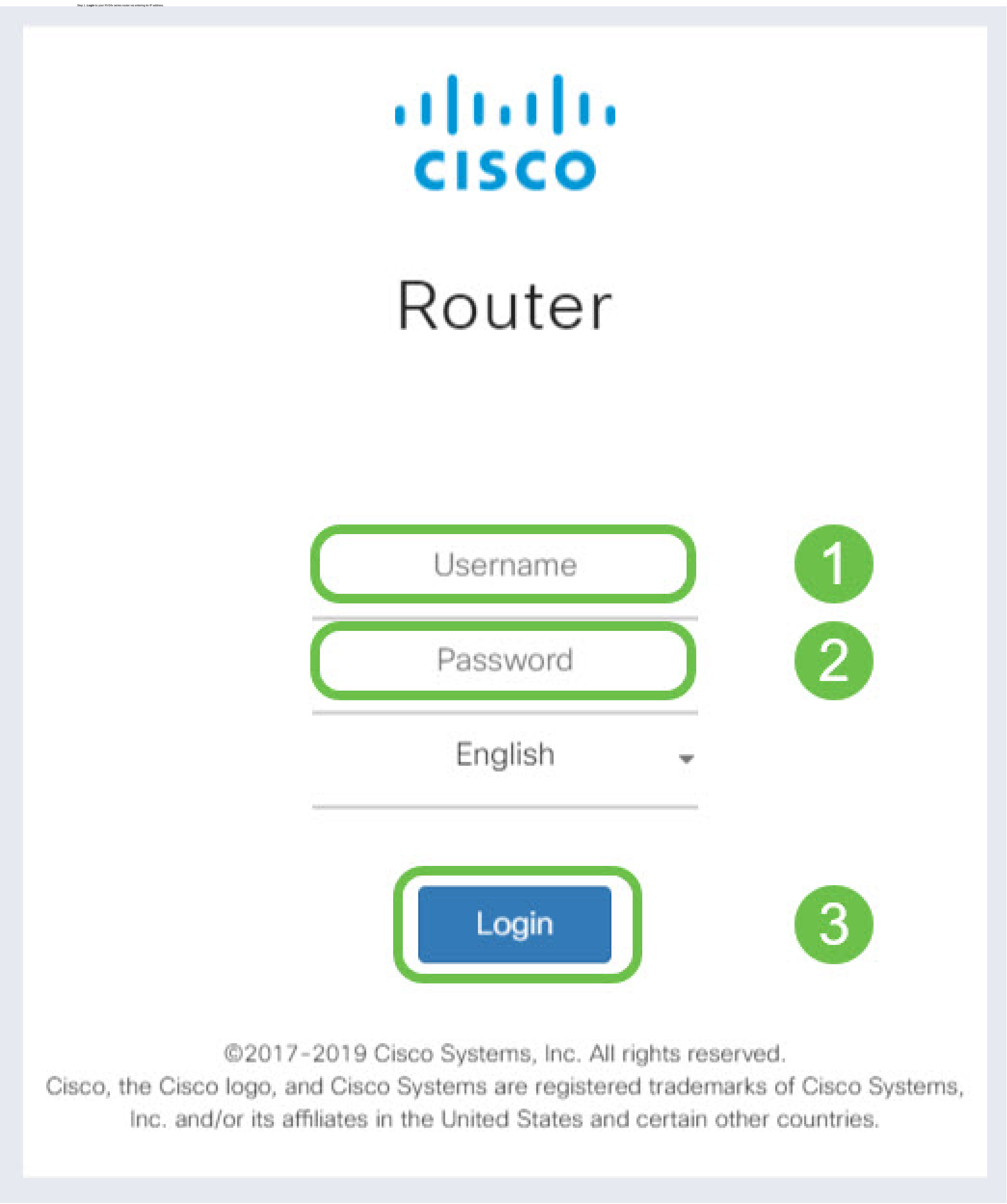
The purpose of this article is to provide you with the steps for performing packet capture via the packet capture debug page on the RV340 WAN port.

Requirements

- RV34X Series Devices - Firmeware version 1.0.03.15 or higher
  Defect Reference ID: CSCdy12345

Steps to Enable Packet Capture Via Debug Menu

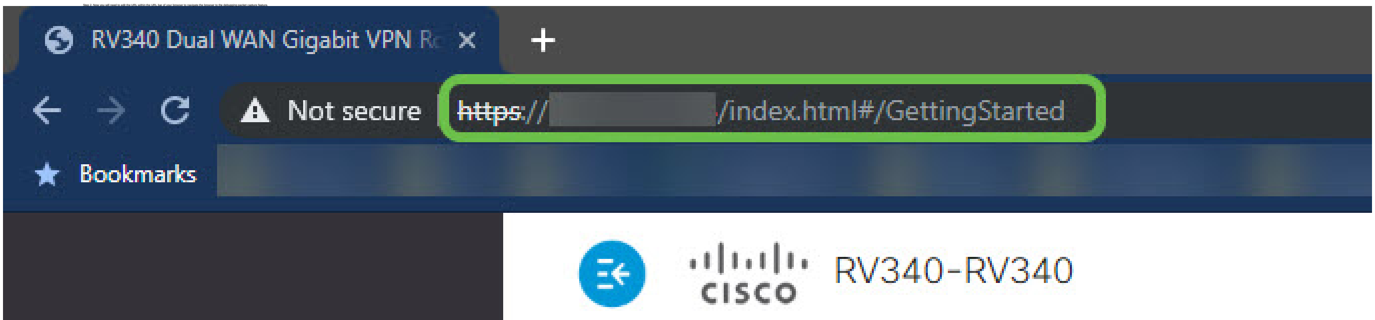
Step 1. **Login** to your RV34x series router via entering its IP address.



©2017-2019 Cisco Systems, Inc. All rights reserved.
Cisco, the Cisco logo, and Cisco Systems are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

Note: The default IP address for Cisco RV devices are 192.168.1.1. If you have more than one router on your local area network, the IP may be different from the 192.168.1.1 IP address.

Step 2. Now you will need to edit the URL within the URL bar of your browser to navigate the browser to the debugging packet capture feature.



~~https~~://[redacted]/index.html#/GettingStarted

Editing the URL to Point to the Debug Page

Prior to editing the URL it wil appear as so: https://router-IP-address/*index.html#/GettingStarted*

Delete *index.html#/GettingStarted*

Add *debug/packet_capture.html* to the end of "https://router-IP-address/"

The URL will appear as so: https://router-IP-address/debug/packet_capture.html

A live example may appear as such:

https://192.168.1.1/debug/packet_capture.html

Now with the cursor in the URL bar still active, click **Enter** to navigate to the page with the additional debug parameter added.

Note: If you have previously set an alternate port to access the device for remote management, you will need to modify your URL to include your custom port number.

Append ":PortID" after the router IP address in the URL bar: EX- https://router-IP-address:portID/debug/packet_capture.html

A live example may appear as such:

https://192.168.1.1:445/debug/packet_capture.html

Step 3. Once the debug page has opened, you'll have the option to select between available ports. In the case of the RV340, there are three options, Wan1, Wan2, and LAN. **Select your desired port from the drop-down box.**

Note: Carefully review the warning at the top of the screen prior to the capture. There may be an impact on your network.

Step 4. Click the **Start** button.

Note: A counter will begin counting up from 0 to denote time elapsed.

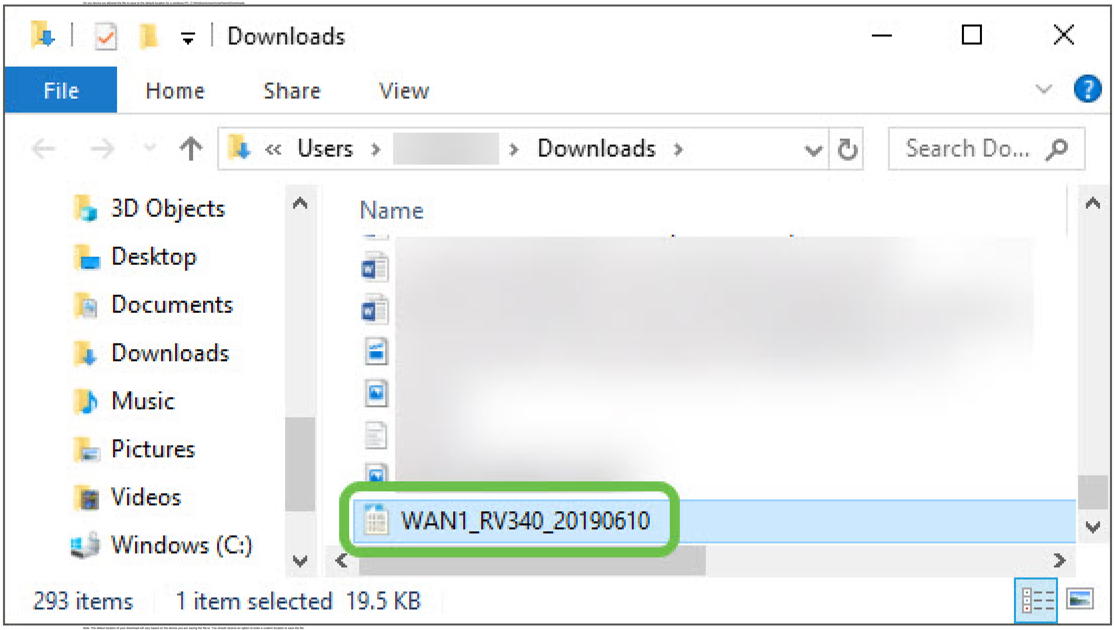
Step 5. After you've satisfied the requirement of the packet capture, click the **Stop** button to cease capturing packets.

Step 6. Now you may export the just completed capture to your local device. Do so by clicking the **Export** button.

The browser will prompt you to select the location. The name format of the download file will be as follows:

PortID_DevicePID_Date.PCAP

On our device we allowed the file to save to the default location for a windows PC, C:\Windows\\Users\\UserName\Downloads


Downloads
File
Home
Share
View
Users
Downloads
Search Do...
Name
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)

WAN1_RV340_20190610

293 items 1 item selected 19.5 KB

Note: The defaut location of your download will vary based on the device you are saving the file to. You should receive an option to enter a custom location to save the file.

Conclusion

You have now exported your packet capture to your device, which is available for your review and analysis or for sending to trusted persons.

View a video related to this article...

[Click here to view other Tech Talks from Cisco]