Firmware Automatic Fallback Mechanism in RV34x

Objective

The objective of this article is to go over the firmware automatic fallback mechanism in the RV34x series routers.

Applicable Devices | Software Version

- RV34x | 1.0.03.28 (**Download latest**)

Introduction

The RV34x series router includes two firmware images in the flash to provide an automatic fallback mechanism. If the active firmware version running on an RV34x router is exhibiting issues, it should be possible to revert to the prior version using the automatic fallback mechanism.

When the router is updated, the prior firmware version that was running on the router is kept as an inactive image. If the router fails to boot five times in a row, this is interpreted as a firmware issue, and the router will revert to the inactive image and boot from it.

Keep reading to find out more!

Automatic Firmware Fallback Method

Step 1

Turn ON the router. Wait for 5 seconds. Turn OFF the router and wait for 5 seconds again.

Step 2

Turn ON the router. Wait for 5 seconds. Turn OFF the router and wait for 5 seconds again.

Step 3

Turn ON the router. Wait for 5 seconds. Turn OFF the router and wait for 5 seconds again.

Step 4

Turn ON the router. Wait for 5 seconds. Turn OFF the router and wait for 5 seconds again.

Step 5

Turn ON the router. Wait for 5 seconds. Turn OFF the router and wait for 5 seconds again.

Step 6

Turn ON the router and let the device boot up.

Step 7

After booting up with the secondary or inactive firmware, check to see if anything is wrong with the active firmware.

Step 8

Reload the new firmware again if necessary.

Conclusion

There you have it! You are now familiar with the firmware automatic fallback mechanism and the steps to perform it.