How to remotely upgrade the old command line version to the new command line version on low-end and mid-range routers

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Q: How to remotely upgrade the old command line version to the new command line version on low-end and mid-range routers?

A: The configuration files of old and new command line versions are not universal. After the remote upgrade, the router will start with null configuration, while original configurations are lost. To solve it, do the follows:

0. Run the **show run** command and save the displayed router configuration;

1. Save the following contents as a text file named **config** (no suffix), and upload it to the router through FTP;

```
 version 1.74
 !
 interface Ethernet0
   ip address 169.254.0.1 255.255.0.0
 !
 interface Serial0
   ip address 1.1.1.1 255.255.255.0
 !
 interface Async0
   ip address 2.2.2.2 255.255.255.0
 !
 quit
 ip route-static 0.0.0.0 0.0.0.0 1.1.1.2 preference 60
 !
 return
```

The IP and interface need to be modified according to the actual situation.

2. Never execute the write operation! Upload the VRP version directly to the router through FTP, with the file name being **system** (no suffix);

3. Reboot the router;

4. Remotely log in to the router and reconfigure other related commands.

If you have a router of the same model on hand, perform the complete configurations locally and get its **config** file through FTP. Then follow the upgrade procedure from step 0 (upload the **config** file that is got just now).

It is recommended to perform the upgrade operation on the local router.

In case the remote upgrade is mandatory, someone should help configure the IP address and route on site, and perform upgrade operations if the remote upgrade fails.