Resetting router to factory default (removing the startup configuration file)

To resolve this issue, perform these steps:

1. To erase the configuration file, issue the [**erase**](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=erase+&paging=25&counter=0&release=123&sa=Submit) **nvram:** command.

Reload the router by issuing the [**reload**](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=reload&paging=25&counter=0&release=123&su=Submit) command.

1. If this does not solve the problem, attempt to break into ROM Monitor (ROMmon) by issuing the break  sequence (usually **Ctrl** and **break** from the Hyperterminal) from a console connection.

Refer to the [Standard Break Key Combinations](http://www.cisco.com/en/US/customer/products/hw/routers/ps133/products_tech_note09186a0080174a34.shtml#topic1) section of [Standard Break Key Sequence Combinations During Password Recovery](http://www.cisco.com/en/US/customer/products/hw/routers/ps133/products_tech_note09186a0080174a34.shtml).

You should see this ROMmon prompt:

rommon 1>

1. Change the configure register value to ignore the startup configuration by issuing the **[confreg](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=confreg&paging=25&counter=0&release=123&sa=Submit" \t "_new)** command, as shown in this example:

rommon 2> confreg 0x2142

1. To reload the router, issue the [**reset**](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=reset&paging=25&counter=0&release=123&sa=Submit) command, as shown in this example:

rommon 3> reset

1. After the router boots, issue the **enable** command at the Router > prompt. The prompt changes to Router#, indicating that the router is now in privileged mode.
2. To enter config mode, issue the **[config terminal](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=config+terminal+&paging=25&counter=0&release=123&sa=Submit" \t "_new)** command. You should now see a Router(config)# prompt.
3. To change the configure register to recognize the startup configuration, issue the **[config-register](http://www.cisco.com/cgi-bin/Support/Cmdlookup/ios-command-lookup.pl?type=reference&query=config-register&paging=25&counter=0&release=123&sa=Submit" \t "_new)** command, as shown in this example:

Router (config)# **config-register 0x2102**

To break out of configuration mode, press **Cntl** and **Z**.

To save the blank configuration, issue the **copy-running config-startup config** command.

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COMMENTS



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Community Member

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**copy running-config startup-config** not **copy-running config-startup config**

Otherwise it worked great.

Reference: <https://supportforums.cisco.com/t5/network-infrastructure-documents/resetting-router-to-factory-default-removing-the-startup/ta-p/3131114>