

Why Does My Router Lose Its Configuration During Reboot? 0x2102 0x2142

From the `Router#` prompt:

1. Type `configure terminal`, and press ENTER.
2. Type `config-register 0x2102`, and press ENTER.
3. Type `end`, and press ENTER.

To verify the configuration register change, type `show version` at the `Router#` prompt, and review your `show version` command output again. Look for the configuration register setting, which must show a new value upon the next reload. Here is an example:

```
Router#configure terminal
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

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

```
Router(config)#end
```

```
Router#show version
```

```
Cisco Internetwork Operating System Software
IOS (tm) 2500 Software (C2500-JS-L), Version 12.1(5),
RELEASE SOFTWARE (fcl)
Copyright (c) 1986-2000 by cisco Systems, Inc.
Compiled Wed 25-Oct-00 05:18 by cmong
Image text-base: 0x03071DB0, data-base: 0x00001000
```

```
ROM: System Bootstrap, Version 5.2(8a), RELEASE SOFTWARE
BOOTFLASH: 3000 Bootstrap Software (IGS-RXBOOT), Version 10.2(8a),
RELEASE SOFTWARE (fcl)
```

```
Router uptime is 11 minutes
System returned to ROM by reload
System image file is "flash:c2500-js-l_121-5.bin"
```

```
cisco 2500 (68030) processor (revision D) with 16384K/2048K bytes of
memory.
```

```
Processor board ID 03867477, with hardware revision 00000000
```

```
Bridging software.
```

```
X.25 software, Version 3.0.0.
```

```
SuperLAT software (copyright 1990 by Meridian Technology Corp).
```

```
TN3270 Emulation software.
```

```
1 Token Ring/IEEE 802.5 interface(s)
```

```
2 Serial network interface(s)
```

```
32K bytes of non-volatile configuration memory.
```

```
16384K bytes of processor board System flash (Read ONLY)
```

Configuration register is 0x2142 (will be 0x2102 at next reload)

When the router is reloaded, the new configuration register setting becomes active.

```
Router#reload
```

```
System configuration has been modified. Save? [yes/no]: n
```

```
Proceed with reload? [confirm]
```

Your router now loads with the startup configuration, and the configuration register is set to 0x2102.
Your configuration loads properly after the next reload or power cycle.