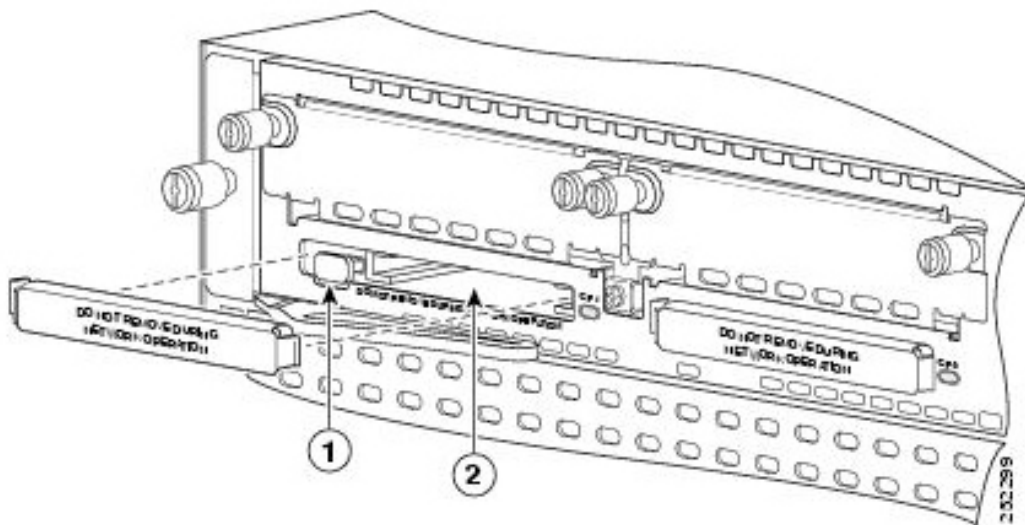


PASSWORD RECOVERY FOR CISCO ROUTERS

1. Turn off or shut down the router



2. Take out the Compact flash of the router (this step will ensure that the router boots into rommon mode which is where we can bypass the current config file)



3. Turn on the router. You should see the following prompt.

```
rommon 1>
```

4. Reinsert the compact flash card into the router.

5. From the rommon prompt type “confreg 0x2142” and “reset” which may look like this

```
rommon 1>confreg 0x2142
```

```
rommon 2>reset
```

Changing the configuration register to 0x2142 tells the router to bypass the current configuration file and load as if there is no configuration file on the router, and then the "Reset" command will take us out of rommon mode and boot the router like normal now that the flash is reinserted.

6. Wait for the router to boot up and enter "No" when prompted to enter the initial configuration dialogue.

System Bootstrap, Version 15.0(1r)M1, RELEASE SOFTWARE (fc1)

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TAC:Home:SW:IOS:Specials for info

C2900 platform with 524288 Kbytes of main memory

program load complete, entry point: 0x80008000, size: 0x6fdb4c

Self decompressing the

image: #####

[OK]

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Cisco Systems, Inc.

170 West Tasman Drive

San Jose, California 95134-1706

Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.0(1)M1,

RELEASE SOFTWARE (fc1)

Technical Support: <http://www.cisco.com/techsupport>

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Compiled Wed 02-Dec-09 15:23 by prod_rel_team

Cisco CISC02921/K9 (revision 1.0) with 475136K/49152K bytes of memory.

Processor board ID FHH1230P04Y

1 DSL controller

3 Gigabit Ethernet interfaces

9 terminal lines

1 Virtual Private Network (VPN) Module

1 Cable Modem interface

1 cisco Integrated Service Engine-2(s)

```
Cisco Foundation 2.2.1 in slot 1
DRAM configuration is 64 bits wide with parity enabled.
255K bytes of non-volatile configuration memory.
248472K bytes of ATA System CompactFlash 0 (Read/Write)
62720K bytes of ATA CompactFlash 1 (Read/Write)
- System Configuration Dialog -
Would you like to enter the initial configuration dialog? [yes/no]: n
Press RETURN to get started!
```

7. Type “enable” at the Router> prompt.

```
Router>enable
Router#
```

8. Enter “copy startup-config running-config” this will copy the existing configuration file from NVRAM your running config or RAM

```
Router#copy startup-config running-config
Destination filename [running-config]?
1324 bytes copied in 2.35 secs (662 bytes/sec)
Router#
```

9. From the privilege prompt enter global configuration by typing “config t”

```
Router#config t
Router(config)#
```

10. From global configuration type in “enable secret <password>” to change the password to what you want

```
Router(config)#enable secret cisco
Router(config)#
```

11. Don’t forget to save your work!!! “copy running-config startup-config”

```
Router(config)#end
Router#copy running-config startup-config
```

NOTE: If you’re not comfortable with removing the compact flash there is also a way to perform a password recovery by leaving the flash where it is. Follow the same instructions but ignore step #2 and step #4. After you turn on the router it should look a little something like this...

```
System Bootstrap, Version 15.0(1r)M1, RELEASE SOFTWARE (fc1) Copyright (c)
2009 by cisco Systems, Inc. TAC:Home:SW:IOS:Specials for info C2900
platform with 524288 Kbytes of main memory
program load complete, entry point: 0x80008000, size: 0x6fdb4c
Self decompressing the image : #####
```

While the image is decompressing enter the routers break sequence by pressing <Ctrl+Break> this should bring you to rommon mode where you can follow the same instructions to recover the password.