

Router Password Recovery

The username and password can be recovered. **NOTE:** In some examples a version of IOS software is specified; be advised that the current version of IOS may have changed.

To recover the router username or password:

1. These steps assume that PuTTY and the console port is setup and connected. If not follow the steps found in the [Connecting to the Device CON Port](#) chapter.
2. Power off/on the module. The "startup" information displays. **NOTE:** It is important that you turn off then back on the module, because the information that you need comes up at "startup".
3. Follow these steps. Based on the following color legend.

COLOR	DESCRIPTION
BLACK	Typical output
BLUE	User input
<BLUE> with <>	Text is entered but not seen on the screen.
[BLUE]	Fill in the blank with what you want. Used for your created username and password.
GREEN	Additional notes. Not seen on the screen output.
RED	Typical output but highlighted to verify

```
System Bootstrap, Version 15.2(1r)GC1, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 2011 by cisco Systems, Inc.
```

```
Rommon signature verification PASSED for Readonly Rommon
C5915 platform with 524288 Kbytes of main memory
```

```
Readonly ROMMON initialized
```

Press the **Break** key on the computer keyboard AFTER you see the above output.

```
<BREAK key>
```

```
monitor: command "boot" aborted due to user interrupt
rommon 1 > confreg 0x2142<ENTER key>
```

```
You must reset or power cycle for new config to take effect
rommon 2 > reset<ENTER key>
```

```
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```

Rommon signature verification PASSED for Readonly Rommon
C5915 platform with 524288 Kbytes of main memory

Readonly ROMMON initialized

flash:c5915-adventerprisek9-mz.SPA.152-4.GC.bin: Digitally Signed Release Software
with key version A

program load complete, entry point: 0x82000000, size: 0x273b61c

Self decompressing the image :

```
#####  
#####  
#####  
#####  
#####  
##### [OK]
```

*** No sreloc section

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cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco IOS Software, C5915 Software (C5915-ADVENTERPRISEK9-M), Version 15.2(4)GC,
RELEASE SOFTWARE (fc2)

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Compiled Tue 17-Sep-13 14:53 by prod_rel_team

Initializing flashfs...

flashfs[6]: 2 files, 1 directories

flashfs[6]: 0 orphaned files, 0 orphaned directories

flashfs[6]: Total bytes: 258951168

flashfs[6]: Bytes used: 41146368

flashfs[6]: Bytes available: 217804800

flashfs[6]: flashfs fsck took 1 seconds.

flashfs[6]: Initialization complete.

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third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

ROUTER PASSWORD RECOVERY

A summary of U.S. laws governing Cisco cryptographic products may be found at:
<http://www.cisco.com/wvl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco C5915 (MPC8300) processor (revision 1.0) with 472064K/52224K bytes of
memory. Installed image archive

Processor board ID FOC16350X0Z

5 FastEthernet interfaces
1 terminal line
1 Virtual Private Network (VPN) Module
256K bytes of non-volatile configuration memory.
256MB of processor board system flash (NUMONYX M29EWH)

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no<ENTER key>

Press RETURN to get started!

```
*Mar 1 00:00:04.375: %VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed
to: Initialized
*Mar 1 00:00:06.231: %VPN_HW-6-INFO_LOC: Crypto engine: onboard 0 State changed
to: Enabled
*Mar 1 00:00:22.039: %LINEPROTO-5-UPDOWN: Line protocol on Interface VoIP-Null0,
changed state to up
*Mar 1 00:00:22.039: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to
up
*Mar 1 00:00:22.039: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to
up
*Mar 1 00:00:22.043: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/1, changed state to down
*Mar 1 00:00:22.075: %SYS-6-STARTUP_CONFIG_IGNORED: System startup configuration
is ignored based on the configuration register setting.
*Mar 1 00:00:22.479: %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1,
changed state to down
*Mar 1 00:00:23.039: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/0, changed state to up
*Mar 1 00:00:30.515: %SYS-5-RESTART: System restarted --
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*Mar 1 00:00:30.515: %SNMP-5-COLDSTART: SNMP agent on host Router is undergoing a
cold start
*Mar 1 00:00:30.595: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Mar 1 00:00:30.595: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Mar 1 00:00:31.983: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to
administratively down
```

ROUTER PASSWORD RECOVERY

```
*Mar 1 00:00:31.983: %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to
administratively down
*Mar 1 00:00:31.987: %LINK-3-UPDOWN: Interface FastEthernet0/2, changed state to
up
*Mar 1 00:00:32.983: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/0, changed state to down
*Mar 1 00:00:32.987: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/2, changed state to up
*Mar 1 00:00:32.995: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/3, changed state to down
*Mar 1 00:00:33.007: %LINEPROTO-5-UPDOWN: Line protocol on Interface
FastEthernet0/4, changed state to down
Router>enable<ENTER key>
Router#copy startup-config running-config<ENTER key>
Destination filename [running-config]? <ENTER key>
2054 bytes copied in 0.492 secs (4175 bytes/sec)
```

```
18544-5915-test#
*Mar 1 00:01:22.411: WARNING: Enabling the declassify feature allows the erasure
*Mar 1 00:01:22.411: of critical sections of the router memory when a signal is
*Mar 1 00:01:22.411: sent through the router GPIO port. If the router GPIO port
is
*Mar 1 00:01:22.411: used for the connection of data devices, such as modems, we
*Mar 1 00:01:22.411: recommend that you disable this feature by using the "no
*Mar 1 00:01:22.411: service declassify" command. Otherwise, the data device
*Mar 1 00:01:22.411: might activate this feature when the behavior is not
desired.
*Mar 1 00:01:23.471: %LINEPROTO-5-UPDOWN: Line protocol on Interface NVI0,
changed state to up
*Mar 1 00:01:23.699: %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1,
changed state to down
*Mar 1 00:01:23.747: %LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan2,
changed state to up
*Mar 1 00:01:24.735: %LINK-5-CHANGED: Interface Vlan1, changed state to
administratively down
18544-5915-test#show ip interface brief<ENTER key>
Any interface listed with OK? value "NO" does not have a valid configuration
```

Interface	IP-Address	OK?	Method
Status	Protocol		
FastEthernet0/0	unassigned	YES	TFTP administratively down
FastEthernet0/1	unassigned	YES	TFTP administratively down
FastEthernet0/2	unassigned	YES	
unset up	up		
FastEthernet0/3	unassigned	YES	
unset down	down		
FastEthernet0/4	unassigned	YES	
unset down	down		
NVI0	unassigned	NO	unset up up
Vlan1	unassigned	YES	unset administratively down
down			
Vlan2	192.168.1.1	YES	
TFTP up	up		

```
18544-5915-test#configure terminal<ENTER key>
```

```

Enter configuration commands, one per line.  End with CNTL/Z.
18544-5915-test(config)#username [username] password [password]<ENTER key>
18544-5915-test(config)#enable password [password]<ENTER key>
18544-5915-test(config)#interface fastEthernet 0/0<ENTER key>
18544-5915-test(config-if)#no shutdown<ENTER key>
18544-5915-test(config-if)#interface fastEthernet 0/1<ENTER key>
18544-5915-test(config-if)#no shutdown<ENTER key>
18544-5915-test(config-if)#exit<ENTER key>
18544-5915-test(config)#config-register 0x2102<ENTER key>
18544-5915-test(config-if)#end<ENTER key>
18544-5915-test#show ip interface brief<ENTER key>
Any interface listed with OK? value "NO" does not have a valid configuration

```

Interface Status	IP-Address Protocol	OK?	Method
FastEthernet0/0 DHCP down	unassigned down	YES	
FastEthernet0/1 TFTP down	unassigned down	YES	
FastEthernet0/2 unset up	unassigned up	YES	
FastEthernet0/3 unset down	unassigned down	YES	
FastEthernet0/4 unset down	unassigned down	YES	
NVI0	unassigned	NO	unset up up
Vlan1 down	unassigned	YES	unset administratively down
Vlan2 TFTP up	192.168.1.1 up	YES	

```

18544-5915-test#write memory<ENTER key>
Building configuration...
[OK]
18544-5915-test#
<Power OFF and ON the router>

```