

# Table of Contents

<b><u>Password Recovery Procedure for the Cisco SN 542x</u></b> .....	<b>1</b>
<u>Document ID: 20746</u> .....	1
<u>Introduction</u> .....	1
<u>Prerequisites</u> .....	1
<u>Requirements</u> .....	1
<u>Conventions</u> .....	1
<u>Step-by-Step Procedure</u> .....	1
<u>NetPro</u> .....	4
<u>Related Information</u> .....	4

# Password Recovery Procedure for the Cisco SN 542x

Document ID: 20746

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- Introduction**
- Prerequisites**
  - Requirements
  - Conventions
- Step-by-Step Procedure**
- NetPro**
- Related Information**

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## Introduction

This document describes the procedure to recover a lost console password on the Cisco SN 542x. The console password is used to enable users to check passwords on the storage router console interface.

**Note:** This password recovery procedure applies to the Cisco SN 542x running version 2.1.1 and later.

## Prerequisites

### Requirements

There are no specific requirements for this document.

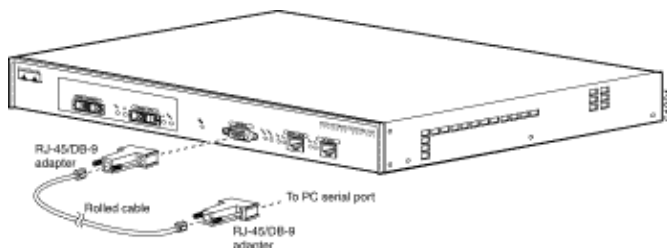
### Conventions

For more information on document conventions, refer to Cisco Technical Tips Conventions.

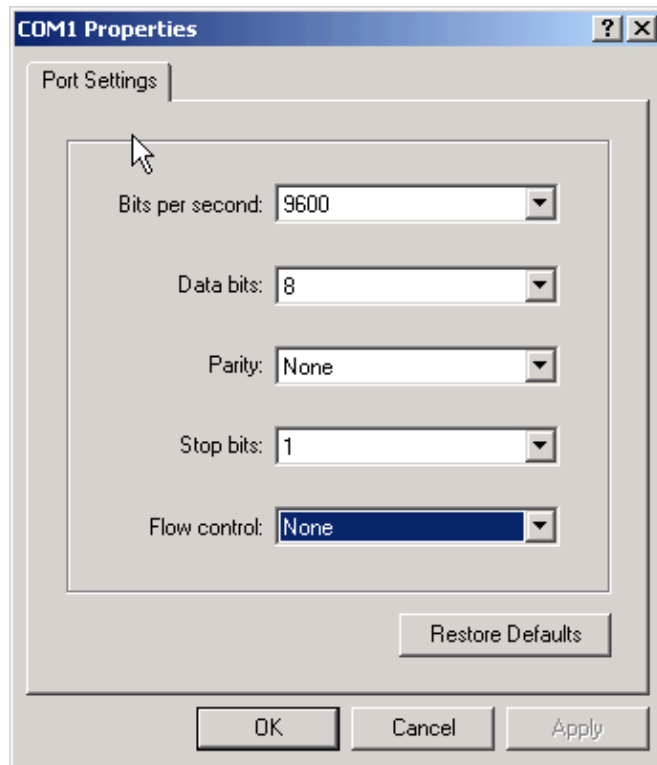
## Step-by-Step Procedure

Follow these instructions to recover a lost console password:

1. Establish a console session to the SN 542x by performing these steps:



- a. Connect one of the supplied RJ-45-to-DB-9 adapters to the PC serial (COM) port.
- b. Connect the other side of the supplied RJ-45-to-DB-9 adapter to the RS-232 management port (labeled CONSOLE) on the SN 542x storage router.
- c. Launch HyperTerminal on the PC, and configure these settings:



The terminal-emulation software, frequently a PC application such as HyperTerminal or Procomm Plus, makes communication between the storage router and your PC possible during setup and configuration.

2. Use the power switch to turn off the SN 542x, and then turn it back on.
3. Press the **ESC** key on your keyboard at the Press 'ESCAPE' key to stop auto-boot . . . prompt to stop the reboot.

**Note:** If you press the **ESC** key a few times during the boot process, the command stack sequence can interrupt the escape sequence prompt and bypass it, and you are not given a chance to break the process.

```

Boot Code Version:  Ver: 2.1.0.39
PON DRAM Test      Pass
PON Ethernet Test  Pass
PON ISABridge Test Pass
PON NVRAM Test     Pass
PON UART/COM Test  Pass
Press 'Escape' key to stop auto-boot...  <ESC>

[VxWorks Boot] :
  
```

4. Type **c** to change the Boot parameters.
5. Hit **Enter** repeatedly until you get to the flags (f) field. If you go too far, go to the end and type **c** to start again.

```

[VxWorks Boot]: c
'. ' = clear field; '-' = go to previous field; ^D = quit

boot device           : ide=0,000  <ENTER>
processor number      : 0          <ENTER>
host name             : <ENTER>
file name             : /ata0/vxWorks <ENTER>
inet on ethernet (e) : 10.1.10.181:ffffff00 <ENTER>
inet on backplane (b): <ENTER>
host inet (h)        : <ENTER>
gateway inet (g)     : <ENTER>
user (u)              : <ENTER>
ftp password (pw) (blank = use rsh): <ENTER>
flags (f)            : 0x0

```

6. Change the flags (f) field to 0X20.

```

flags (f)             : 0x0 0x20 <ENTER>
target name (tn)     : hart3 <ENTER>
startup script (s)   : /ata0/NuSpeed.start <ENTER>
other (o)            : fei <ENTER>

[VxWorks Boot]:

```

7. Type p to review Boot parameter settings if desired. Type @ to continue the reboot.

```

[VxWorks Boot]: p

boot device           : ide=0,00
unit number          : 0
processor number      : 0
file name            : /ata0/vxWorks
inet on ethernet (e) : 10.1.10.182:ffffff00
flags (f)            : 0x20
target name (tn)     : hart2
startup script (s)   : /ata0/NuSpeed.start
other (o)            : fei

[VxWorks Boot]: @

Attaching to IDE disk device... Adding AUTOSYNC...done.

```

**Note:** The change to the flag (f) value is a one-time override. There is no need to change it back once the password recovery is achieved.

8. Now that you have established a connection, you may choose one of these options:

- a. Change the administrator and monitor passwords to access the console interface of the storage router:

```
[SN542x]# admin password <password>
```

```
!--- Sets the administrator password (for system administrators, allowing con
```

```
[SN542x]# monitor password <password>
```

```
!--- Sets the monitor password (for users who only monitor storage router ope
```

- b. Remove password protection from the console port and save the changes to memory:

```
[SN542x]# no restrict console
```

```
!--- Disables password checking on the console interface.
```

```
[SN542x]# save all bootconfig
```

```
!--- Saves the current running configuration information
```

```
!--- to the storage router's bootable configuration, which is
```

```
!--- used when the SN 542x storage router is restarted.
```

**Note:** The next time that you try to connect to the console port of the SN 542x, you will be required to enter either the new admin or monitor password you created.

## NetPro

Networking Professionals Connection is a forum for networking professionals to share questions, suggestions, and information about networking solutions, products, and technologies. The featured links are some of the most recent conversations available in this technology.

<a href="#">NetPro Discussion Forums – Featured Conversations for Router and IOS Architecture</a>
<a href="#">Network Infrastructure: LAN Routing and Switching</a>
<a href="#">Network Infrastructure: WAN Routing and Switching</a>

## Related Information

- [Password Recovery Procedures Index](#)
- [Cisco SN 5420 Storage Router](#)
- [Technical Support – Cisco Systems](#)

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