



# Password Recovery for the Cisco Nexus 1000V

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This document describes how to recover a lost network administrator password for the Cisco Nexus 1000V.

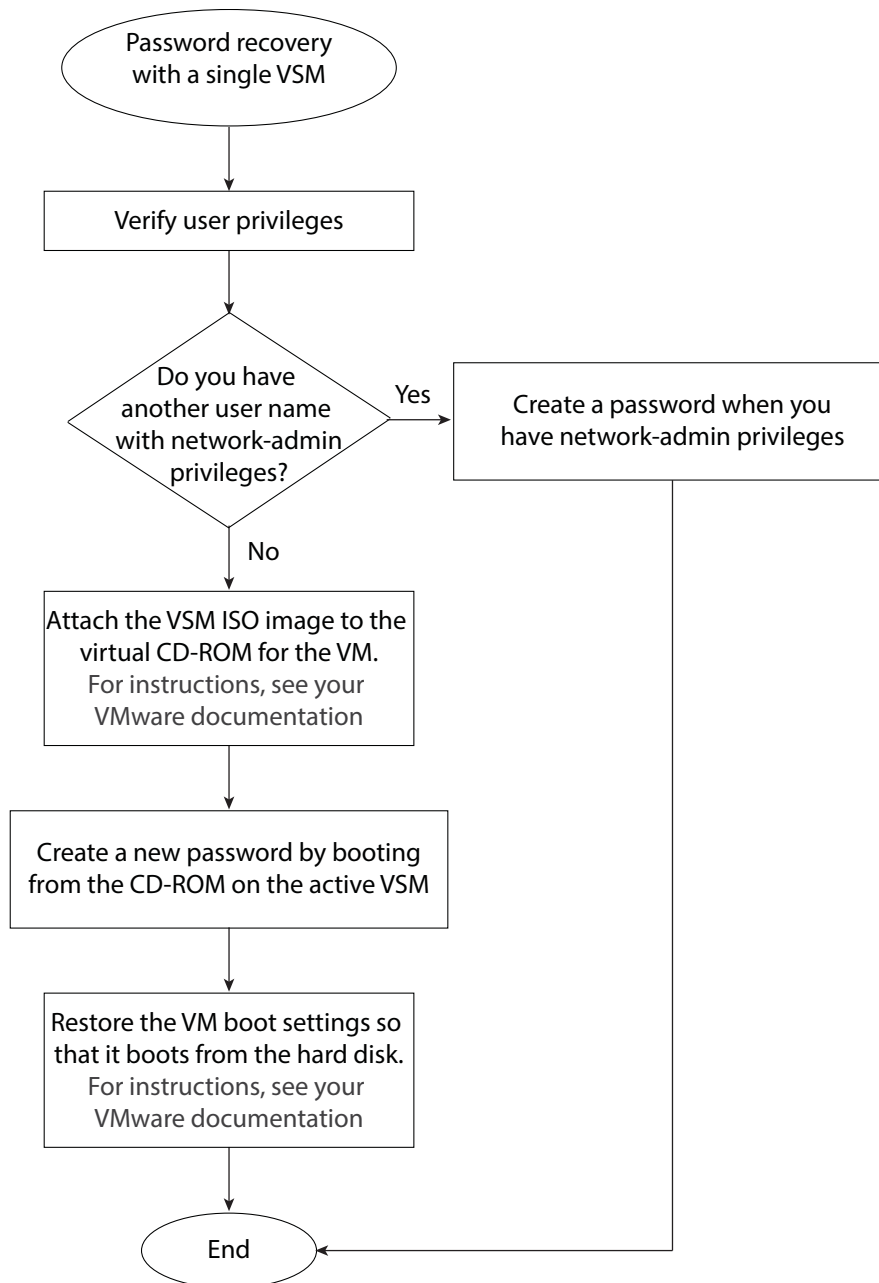
## Creating a New Network Administrator Password

This section describes how to recover a lost password. This section includes the following topics:

- [Flow Chart: Password Recovery with a Single VSM, page 1-1](#)
- [Flow Chart: Password Recovery with Dual VSMs, page 1-3](#)
- [Verifying User Privileges, page 1-4](#)
- [Creating a Password When You Have Network-Admin Privileges, page 1-4](#)
- [Creating a New Password By Booting from the CD-ROM on the Active VSM, page 1-5](#)

## Flow Chart: Password Recovery with a Single VSM

The following flow chart (see [Figure 1-1](#)) is designed to guide you through the password recovery process for a VSM that is not in high availability mode. After completing each procedure, return to the flow chart to make sure that you complete all required procedures in the correct sequence.

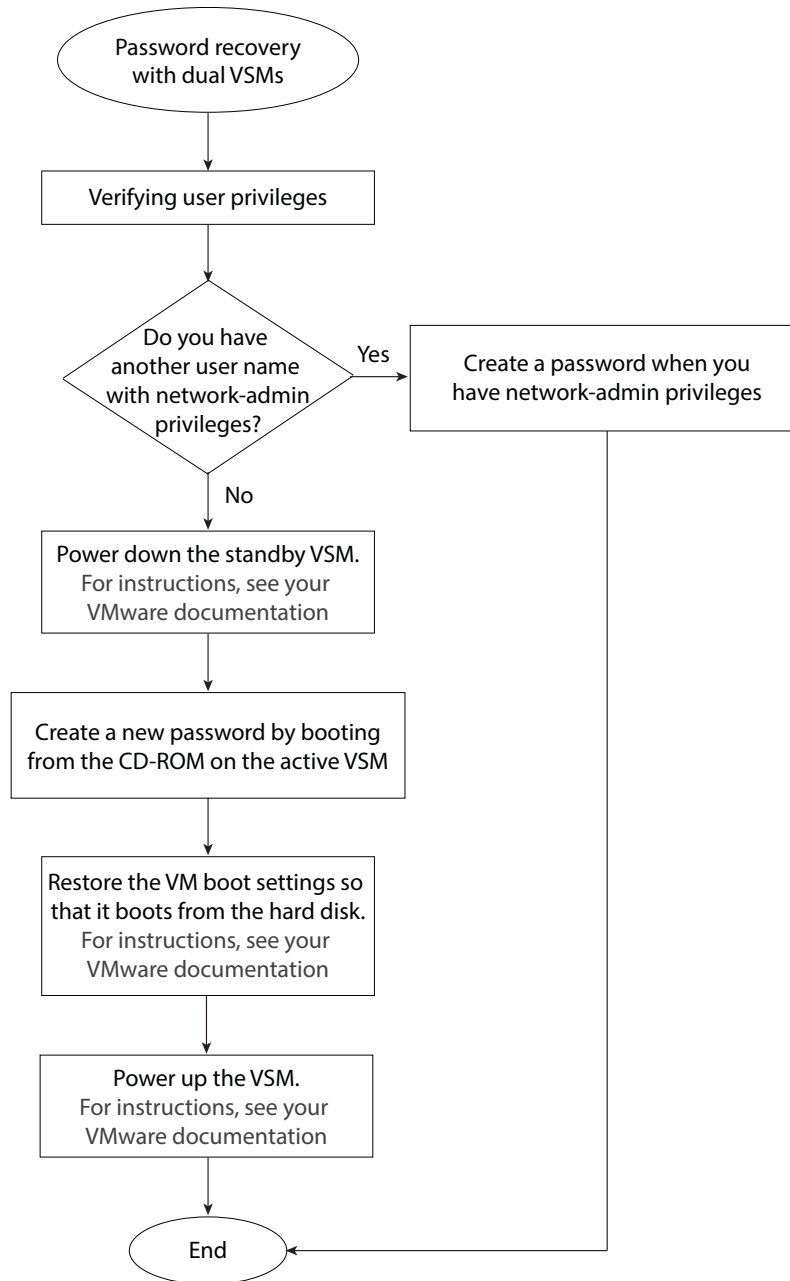
**Figure 1-1 Password Recovery with a Single VSM**

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## Flow Chart: Password Recovery with Dual VSMs

The following flow chart (see [Figure 1-2](#)) is designed to guide you through the password recovery process for VSMs that are in high availability mode. After completing each procedure, return to the flow chart to make sure you that complete all required procedures in the correct sequence.

**Figure 1-2** Password Recovery with Dual VSMs



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## Verifying User Privileges

You can verify that your username has network admin privileges that let you create a new password.

### BEFORE YOU BEGIN

Before beginning this procedure, log in to the CLI in EXEC mode.

### DETAILED STEPS

	Command	Purpose
Step 1	<pre>show user-account</pre> <p><b>Example:</b></p> <pre>n1000v# show user-account user:admin   this user account has no expiry date   roles:network-admin user:adminbackup   this user account has no expiry date   roles:network-operator user:test   this user account has no expiry date   roles:network-operator n1000v#</pre>	<p>Displays usernames and their roles.</p> <p>Only users with the network-admin role can change the network administrator password.</p>

## Creating a Password When You Have Network-Admin Privileges

You can create a network administrator password when you have network-admin privileges.

### BEFORE YOU BEGIN

Before beginning this procedure, make sure that:

- You are logged in to the CLI in EXEC mode.
- Your username has network-admin privileges. To verify your privileges, see [Verifying User Privileges, page 1-4](#).

### SUMMARY STEPS

1. `config t`
2. `username admin password new password`
3. `exit`
4. `copy running-config startup-config`

## DETAILED STEPS

	Command	Purpose
Step 1	<code>config t</code>  <b>Example:</b> n1000v# config t n1000v(config)#	Places you into CLI global configuration mode.
Step 2	<code>username admin password &lt;new password&gt;</code>  <b>Example:</b> n1000v(config)# username admin password <new password>	Changes the network admin password in the running configuration.
Step 3	<code>exit</code>  <b>Example:</b> n1000v(config)# exit n1000v#	Exits global configuration mode and returns you to EXEC mode.
Step 4	<code>copy running-config startup-config</code>  <b>Example:</b> n1000v# copy running-config startup-config	Saves the running configuration persistently through reboots and restarts by copying it to the startup configuration.

## Creating a New Password By Booting from the CD-ROM on the Active VSM

You can create a new password if you cannot start a session on the device with a username that has network-admin privileges. In this case, you must create the network administrator password by booting the Cisco Nexus 1000V from the CD-ROM.

## BEFORE YOU BEGIN

Before beginning this procedure, make sure that the VM is booting from the CD-ROM. For more information, see your VMware documentation.

**Caution**

This procedure disrupts all traffic on the device. All connections to the device will be lost for 2 to 3 minutes.

- Step 1** Power off the VSM.
- Step 2** Open the VSM console and map the .iso file.
- Step 3** In the **Edit Settings for the VSM** window, under **hardware**, choose **CD/DVD drive** and check the **connect at power on** check box.
- Step 4** Under the **Options** tab, choose **Boot Options** and check the **Force BIOS Setup** check box.
- Step 5** Power on the VM and change the boot order to boot from the CD-ROM. Press **F10** to save and exit.
- Step 6** Choose **Install Nexus 1000V and go to vsh shell**.

Install Nexus 1000V and bring up the new image

**Install Nexus 1000V and go to vsh shell**

Install Nexus 1000V only if the disk is unformatted and bring up new image

Install Nexus 1000V only if the disk is unformatted and go to vsh shell

Use the  $\uparrow$  and  $\downarrow$  keys to select which entry is highlighted.

Press enter to boot the selected OS, 'e' to edit the commands before booting, or 'c' for a command line.

```
Cisco Nexus Operations System (NX-OS) Software
TAC Support: http://www.cisco.com/tac
Copyright (c) 2002-2015, Cisco Systems, Inc. All rights reserved.
The copyrights to certain work contained in this software are owned by
other third parties and used and distributed under license. Certain
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http://www.opensource.org/license/gpl-2.0.php and
http://www.opensource.org/license/lgpl-2.1.php
```

```
switch (boot)#
```




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**Note** It might take up to 5 minutes for the VM to power on.

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**Step 7** Create a new password:

```
switch(boot)# config terminal
switch(boot-config)# admin-password new_password
switch(boot-config)# exit
```

**Step 8** Load the mz image.

In the following example, the image filename is *nexus-1000v-mz.4.0.4.SV1.1.bin*:

```
switch(boot)# load bootflash:nexus-1000v-mz.4.0.4.SV1.1.bin
load_isanimg: entry
load_isanimg: uri_info:0x80c8460
load_isanimg: type:0x8
Uncompressing system image: bootflash:/nexus-1000v-mz.4.0.4.SV1.1.bin
```

```
Load plugins that defined in image conf: /isan/plugin_img/img.conf
Loading plugin 0: core_plugin...
```

```
User Access verification
switch login:
```

**Step 9** Use the new administrator password to log in to the VSM CLI:

```
User Access Verification
n1000v login: admin
Password:
```

```
Cisco Nexus Operating System (NX-OS) Software
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http://www.opensource.org/licenses/gpl-2.0.php and
http://www.opensource.org/licenses/lgpl-2.1.php
n1000v#
```

- Step 10** Save the running configuration to the startup configuration so that the new password persists across reboots and restarts:

```
n1000v# copy running-config startup-config
[#####] 100%
n1000v#
```

- Step 11** Using your VMware documentation, restore the VM boot settings so that it boots from the hard disk. You have completed this procedure and restored the admin user password. If needed, you can create a new password. See [Creating a Password When You Have Network-Admin Privileges, page 1-4](#).
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