



# Release Notes for Cisco FindIT Network Manager & Probe, Version 2.1.0

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**First Published:** 2020-03-05

## Introduction

These release notes describe the recommended practices and known issues that apply to software version 2.1.0 of Cisco FindIT Network Manager and Cisco FindIT Network Probe.

## What's New in Cisco FindIT Network Manager & Probe Release 2.1.0

Cisco FindIT Network Manager and Probe release 2.1.0 introduces the following new features and changes:

- Support has been added for PnP Configuration Templates. These templates allow a single configuration file to be used with multiple devices by allowing the configuration file to contain placeholders that will be replaced with per-device data at the time the device connects to the server.
- FindIT Network Manager will use the MAC address OUI (Organizationally Unique Identifier) to identify the vendor associated with a device if the information is not available through any other means.

## System Requirements for Cisco FindIT Network Manager

Cisco FindIT Network Manager is distributed as a virtual machine image, as an installer for use with the Ubuntu Linux distribution, and is available for Amazon Web Services (AWS) through the AWS Marketplace (<https://aws.amazon.com/marketplace>).

When running FindIT Network Manager in virtual machine, your hypervisor must be one of the following:

- Microsoft Hyper-V version 10.0 or above
- Oracle VirtualBox version 5.0.2 or above
- VMWare—It can be one of the following:
  - ESXi version 5.5 or above
  - Fusion version 7 or above
  - Workstation version 12 or above

To run FindIT Network Manager under Ubuntu Linux, your environment must be running Ubuntu version 16.04.x (Xenial Xerus) on a 64-bit Intel architecture platform. Cisco recommends using the Ubuntu server distribution and only installing packages required by FindIT Network Manager.

Table 1 lists the compute resources required for FindIT Network Manager based on the number of devices under management.

**Table 1: FindIT Network Manager Compute Resource Requirements**

#Device Supported	# vCPU	RAM	Disk Space
Up to 300	2	4GB	60GB
Up to 2500	12	24GB	60GB

To run FindIT Network Manager in AWS, you will need an AWS account. The following AWS instances types are supported:

- t2.medium—up to 150 devices under management
- c4.4xlarge/c5.4xlarge—up to 2500 devices under management

FindIT Network Manager is administered through a web user interface. To use this interface, your browser must be one of the following:

- Apple Safari version 11 (macOS only) or above
- Google Chrome version 72 (Recommended) or above
- Microsoft Edge version 42 or above
- Mozilla Firefox version 65 or above



**Note** When using Safari, check that the certificate from FindIT Network Probe is set to **Always Trust**. Otherwise, certain functions that depend on the use of secure websockets are expected to fail. This is a limitation of the Safari web browser.

Your network must allow all instances of FindIT Network Probe to establish TCP connectivity with FindIT Network Manager. For more details on the ports and protocols used, see *Frequently Asked Questions*, in the [Cisco FindIT Network Manager and Probe Quick Start Guide](#).

## System Requirements for Cisco FindIT Network Probe

Cisco FindIT Network Probe is distributed as a virtual machine image, and as installers for use with the following operating systems:

- Ubuntu Linux distribution running on a PC
- Raspbian Linux distribution running on a Raspberry Pi

FindIT Network Probe is also available as an embedded feature of select Cisco 100 to 500 series products.

To run FindIT Network Probe as a virtual machine, your environment must meet the following requirements:

- Hypervisor:
  - Microsoft Hyper-V version 10.0 or above
  - Oracle VirtualBox version 5.0.2 or above
  - VMWare—It can be one of the following:

- ESXi version 5.5 or above
- Fusion version 7 or above
- Workstation version 12 or above
- Virtual machine resource requirements:
  - CPU: 1x 64-bit Intel architecture
  - Memory: 512MB
  - Disk space: 5GB

To run FindIT Network Manager under Ubuntu Linux operating system, your environment must meet the following requirements:

- Ubuntu version 16.04.x (Xenial Xerus)
- CPU: 1x 64-bit Intel architecture
- Memory: 512MB
- Disk space: 5GB

To run the FindIT Network Probe on a Raspberry Pi operating system, your environment must meet the following requirements:

- Hardware: Raspberry Pi 3 Model B
- Disk space: 5GB
- OS: Raspbian Stretch or Buster

To run the FindIT Network Probe as an embedded application on a Cisco 100 to 500 series product, you must have a supported product running a firmware version that supports the FindIT Network Probe feature. Consult the [Cisco FindIT Network Manager – Device Support List](#) for details of hardware and version requirements. Also consult the administration guide for the product to determine any additional platform-specific requirements.

FindIT Network Probe is administered through a web user interface. To use this interface, your browser must be one of the following:

- Apple Safari version 11 (macOS only) or above
- Google Chrome version 72 (Recommended) or above
- Microsoft Edge version 42 or above
- Mozilla Firefox version 65 or above

FindIT Network Probe monitors and accesses the network devices that meet the following requirements:

- Must be in the same subnet as the PC that is running the FindIT Network Probe, or be directly attached to a managed device and reachable via TCP/IP
- Must be a Cisco 100 to 500 Series device with the Bonjour service enabled

## Cisco Supported Devices

FindIT Network Manager supports the Cisco 100 to 500 series products. For a detailed list of devices and features supported, please refer to the [Cisco FindIT Network Manager - Device Support List](#).

## License Requirements

FindIT Network Manager is a licensed application. Device licenses are required for each Cisco 100 to 500 series product being managed. A count of up to ten Cisco 100 to 500 series devices may be managed in **Evaluation Mode** without a license. For more information, please refer to the [FindIT Network Manager Datasheet](#) page.

## Upgrading to Cisco FindIT 2.1.0 from 2.0.x

To upgrade from FindIT Network Manager or Probe version 2.0.x to version 2.1.0, do the following:

1. On the Manager, click **About FindIT**
2. Select the radio button next to the Manager update and click **Upgrade**. The Manager will download and apply the update and then restart
3. Log back on to the Manager, click **About FindIT** again
4. Select the radio button next to the Probe update and click **Upgrade**. Each Probe will download and apply the update and then restart



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**Note**

For more details on each step of this process, refer to the corresponding section of the *Cisco FindIT Network Management Administration Guide*.

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## Upgrading to Cisco FindIT 2.1.0 from 1.1.x

Direct upgrades from release 1.x to 2.1.0 are not supported. It will be necessary to upgrade to release 2.0.1 first, and then upgrade to 2.1.0. Refer to the upgrading instructions in release 2.0.1 release notes.

## Limitations and Restrictions

The Cisco FindIT Network limitations and restrictions are described in the following sections:

- [General Limitations](#)
- [System Backup and Restore](#)

### General Limitations

- The web interface on FindIT Network Manager takes a few minutes to become operational after the application is started
- Depending on the size of the network, it may take the Probe several minutes to discover all devices and calculate the network topology
- Up to 50 network devices can be managed by single Probe instance

- Up to 2500 devices can be managed by a single Manager instance
- SNMPv3 authentication keys and privacy keys must be at least 8 characters in length
- When using Safari, ensure that the certificate presented by the FindIT Network Probe is set to **Always Trust**

## System Backup and Restore

- When performing a system backup or restore, FindIT will prevent you from doing any further configuration actions
- Prior to beginning a system backup or restore, the idle timeout value in **Administration > User Management > User Session Settings** should be set to at least 30 minutes (default is 60 minutes)

## Caveats

The following table lists the open caveats for version 2.1.0

**Table 2: Open Caveats**

Caveat ID Number	Headline
<a href="#">CSCvc02341</a>	Roaming devices connect to multiple APs on topology. <b>Workaround</b> There is no workaround at this time.
<a href="#">CSCvc03176</a>	System configurations and network settings don't apply on devices when restoring configurations. <b>Workaround</b> Apply configuration to device using <b>Apply Pending Config</b> button in the <b>Device Detail</b> page.
<a href="#">CSCvc04204</a>	Getting the duplicated entry in the credentials table for switch stack after power off the master. <b>Workaround</b> When the stack is stable, reboot Probe.
<a href="#">CSCvf49309</a>	FindIT displays outside WAN IP instead of device IP on Network Plug and Play - Unclaimed Devices page. <b>Workaround</b> None
<a href="#">CSCvf49332</a>	FindIT responses are slow when display is over 300 hosts on topology page. <b>Workaround</b> Don't try displaying hosts when there are many.

Caveat ID Number	Headline
<a href="#">CSCvq25755</a>	Probe does NOT update ca-bundle periodically. <b>Workaround</b> Reboot probe.
<a href="#">CSCvq25771</a>	System does not sync time from the host on VirtualBox. <b>Workaround</b> Install VirtualBox Guest additions in the virtual machine with the command 'sudo apt-get install -y virtualbox-guest-utils' and reboot the virtual machine. <b>Note</b> The presence of VirtualBox Guest Additions in the virtual machine will prevent timesyncd from running and NTP will not function.
<a href="#">CSCvq25794</a>	Profile with duplicated name is allowed to create in Network Configuration. <b>Workaround</b> Select unique names when creating configuration profiles.
<a href="#">CSCvq25807</a>	Stack switch unit configuration is missing after master recovery from offline. <b>Workaround</b> Manually read and accept current config or wait for the daily schedule job.
<a href="#">CSCvq25817</a>	It doesn't show real VLAN setting info on a LAG port. <b>Workaround</b> Review the VLAN configuration for the LAG on the device administration GUI.

The following table lists the resolved caveats for version 2.1.0

**Table 3: Resolved Caveats**

Caveat ID Number	Headline
<a href="#">CSCvc04252</a>	Sometimes it report error when online upgrade device firmware.
<a href="#">CSCvf58349</a>	Sometimes the data related to time in wireless report is not correct on modifying time setting.
<a href="#">CSCvr68094</a>	Platform settings should not be supported on non-cisco VM.
<a href="#">CSCvs49830</a>	Platform settings should not be supported on non-cisco VM.

## Where to Find Support

For current support information, visit the following URLs:

**Table 4: Where to Find Support**

<b>Support</b>	
Cisco FindIT Network Support Forums	<a href="http://www.cisco.com/go/findit-support">http://www.cisco.com/go/findit-support</a>
Phone Support Contacts	<a href="http://www.cisco.com/go/sbse">http://www.cisco.com/go/sbse</a>
<b>Product Documentation</b>	
Cisco FindIT Network Management Support and Documentation Resources	<a href="http://www.cisco.com/go/findit-docs">http://www.cisco.com/go/findit-docs</a>
<b>Cisco Small Business</b>	
Cisco Small Business Home	<a href="http://www.cisco.com/go/smb">http://www.cisco.com/go/smb</a>
Cisco Small Business Support Community	<a href="http://www.cisco.com/go/smallbizsupport">http://www.cisco.com/go/smallbizsupport</a>

