Troubleshooting: FindIT v. 2.1.1 Probe Software for the Raspberry Pi

Objective

This article shows the steps for a successful fresh install of FindIT v. 2.1.1 Probe Software with the Raspberry Pi OS Buster version.

Applicable Devices | Software Version

FindIT | 2.1.1

Introduction

Let's talk about FindIT 2.1.1 Probe Software when using a Raspberry Pi and the Raspberry Pi OS Buster version.

Are you about to do a fresh install, or have you tried to do a fresh install and received error messages and a failed download? Are you using a Raspberry Pi as a FindIT probe?

For most installations with Raspberry Pi and FindIT, you simply flash a software image onto a micro SD card, put it into the Pi, and run the installer. Upgrades are snap as well.

Unfortunately, there is a little bump in the road when you do a fresh install of FindIT v. 2.1.1 with the Raspberry Pi OS Buster version.

Whether this is your first attempt or you had a failed installation, you must follow these instructions. If your installation failed, the permissions changed so you essentially have to start over. I know, it's a bummer, but just follow these steps for success.

Download and Flash the Image

K

Step 1

Navigate to <u>Rapberry Pi Downloads</u> and download the appropriate version for your operating system. Open the download and unzip if needed. Flash the image to the micro SD card of the Raspberry Pi using a utility such as <u>etcher</u>.

If you already have this installed, you do not need to install this a second time, but you should confirm you have the correct software.



Raspberry Pi OS (32-bit) with desktop and recommended software Image with desktop and recommended software based on Debian Buster Version: August 2020

ersion:	August 2020
elease date:	2020-08-20
ernel version:	5.4

Step 2

Download FindIT Network Probe 2.1.1 all languages installer for Raspberry Pi (Debian Buster).

Cisco FindIT Network Probe 2.1.1 all languages installer for 01-Jun-2020 12.42 MB Raspberry Pi (Raspbian Buster) finditprobe-2.1.1.20200521-raspbian-buster_armhf.signed.sh

By default, Secure Shell (SSH) is disabled with a fresh Raspberry Pi OS image. It can be enabled by using the command **sudo raspi-config** and then use the menus to enable it. An alternate option would be to create a shortcut by creating a blank file called **ssh** on the memory card before you insert it into the Pi. If you use the second option, make sure there is no file extension in the file name.

Step 3

Put the micro SD card into the Raspberry Pi and power it up.

Step 4

Open the command prompt on your computer. Ping the IP address of the Pi to test for connectivity. When you see the reply messages, you can proceed.

Command Prompt - ping 10.0.0.200 -t Microsoft Windows [Version 10.0.17134.1667] (c) 2018 Microsoft Corporation. All rights reserved. C:\Users\j ping 10.0.0.200 Pinging 10.0.0.200 with 32 bytes of data: Reply from 10.0.0.102: Destination host unreachable. Request timed out. Request timed out. Request timed out. Ping statistics for 10.0.0.200: Packets: Sent = 4, Received = 1, Lost = 3 (75% loss), C:\Users\j e>ping 10.0.0.200 -t Pinging 10.0.0.200 with 32 bytes of data: Request timed out. Request timed out. Reply from 10.0.0.200: bytes=32 time=8ms TTL=64 Reply from 10.0.0.200: bytes=32 time=1ms TTL=64 Reply from 10.0.0.200: bytes=32 time=2ms TTL=64 Reply from 10.0.0.200: bytes=32 time=2ms TTL=64 Reply from 10.0.0.200: bytes=32 time=4ms TTL=64 Reply from 10.0.0.200: bytes=32 time=2ms TTL=64 Reply from 10.0.0.200: bytes=32 time=1ms TTL=64

Step 5

Use an STFP client, such as WinSCP, to access the Raspberry Pi. The default password is *raspberry*.

💫 Login		-	\times
*	Session		

Step 6

Enter the following command. Keep in mind that it takes some time between each of these steps. Be patient, it's worth it!



Step 7

Enter the following command.



Step 8 (Optional)

Enter the following command if you would like to see a list of the files in the current directory. If you know the file name, you can skip to Step 9.

Pi@raspbe	errypi: ~	-	\times
etting up	libnet-ssleay-perl (1.05-2+b1)		~
etting up	arp-scan (1.9.5-1)		
letting up	libhttp-date-perl (6.02-1)		
letting up	libfile-listing-perl (6.04-1)		
etting up	libnet-http-perl (6.18-1)		
etting up	libwww-robotrules-perl (6.02-1)		
etting up	libhtml-parser-perl (3.72-3+b2)		
etting up	libio-socket-ssl-perl (2.060-3)		
etting up	libhttp-message-perl (6.18-1)		
etting up	libhtml-form-perl (6.03-1)		
etting up	libhttp-negotiate-perl (6.01-1) .		
etting up	libhttp-cookies-perl (6.04-1)		
etting up	libhtml-tree-perl (5.07-2)		

Step 9

Enter the following command.

pi@raspberrypi:~\$sh finditprobe-2.1.1.20200521-raspbian-buster_armhf.signed.sh
pi@rapberrypi:~\$sh finditprobe-2.1.1.20200521-raspbian-buster_armhf.signed.sh
Setting up libhtp-daemon-perl (2.12-1) ...
Setting up libhtp-daemon-perl (2.04-1) ...
Setting up libhtp-daemon-perl (6.01-3) ...
Setting up libhuy-protocol-https-perl (6.07-2) ...
Setting up libhyw-perl (6.36-2) ...
pi@raspberrypi:* \$ ls
finditprobe-2.1.1.20200521-raspbian-buster_armhf.signed.sh
pi@raspberrypi:* \$ sh finditprobe-2.1.1.20200521-raspbian-buster_armhf.signed.sh
pi@raspbarrypi:* \$ sh finditprobe-2.1.1.20200521

Step 10

Once everything has loaded, enter the IP address of the Pi into a web browser.

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4		\rightarrow	c	4	Not secure	10.0.0	0.200/findit/auth/login

Step 11



Log into the probe. The default username and password, *cisco/cisco*, should be entered.

You will be asked to change the password.

Change Password					
Liser Name	cisco				
Old Password	i*				
				_	
New Passwo	rd"				
				_	
Returne New I	Password*				

Conclusion

There you have it, now you have your Raspberry Pi working as a probe to help manage your network. Enjoy!