# Basic Steps

System Requirements

For Windows, Mac, and Linux:
Java is required the run I2P. Download it here.

For Android:
Android comes with a Java virtual machine as part of the platform, which I2P for Android uses. Therefore it is not necessary to install Java to use I2P for Android
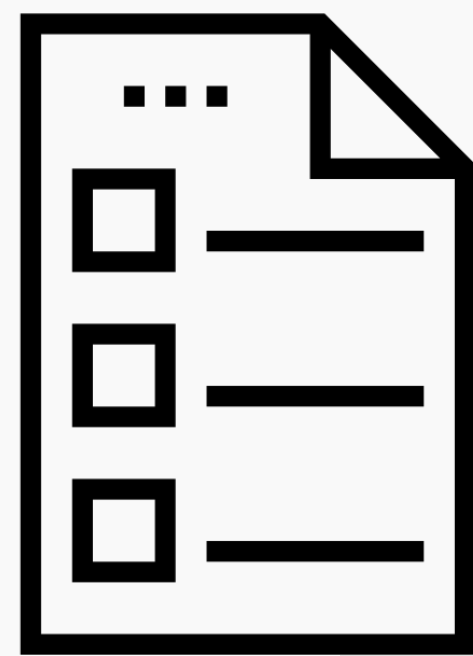
Debian and Ubuntu:
On Debian and Ubuntu when using a .deb package to install, the system will automatically install and configure a Java environment for you.
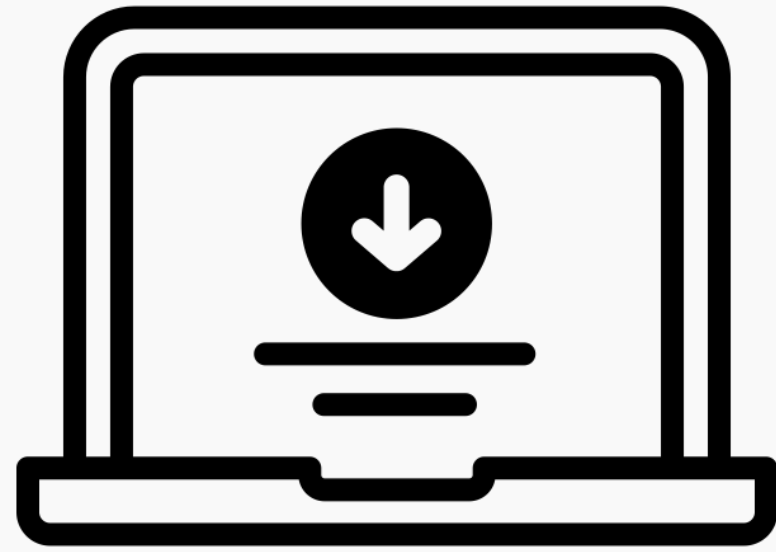
1. Download the Software

Download will take you to a download page based on your operating system. Keep in mind that for Mac, Windows, and Linux you will need to also have Java downloaded and installed.

2. Follow the Installation Instructions

Installation will consist of instructions on how to install the software once you've got it downloaded. You will follow each step and it will take you through a wizard walk through. Finally, you will open and launch I2P for the first time.
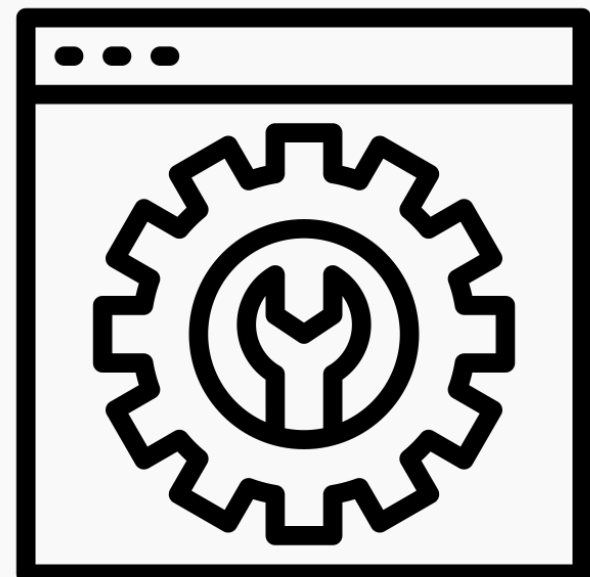
3. Configure your Browser

Configuration requires that you configure your browser. This is necessary because of these reasons here blah blah blah. We recommend Firefox so that you can bypass this with the privacy add-on.

Download I2P

I2P for Windows

Latest version: 0.9.50

⬇ **Download I2P**
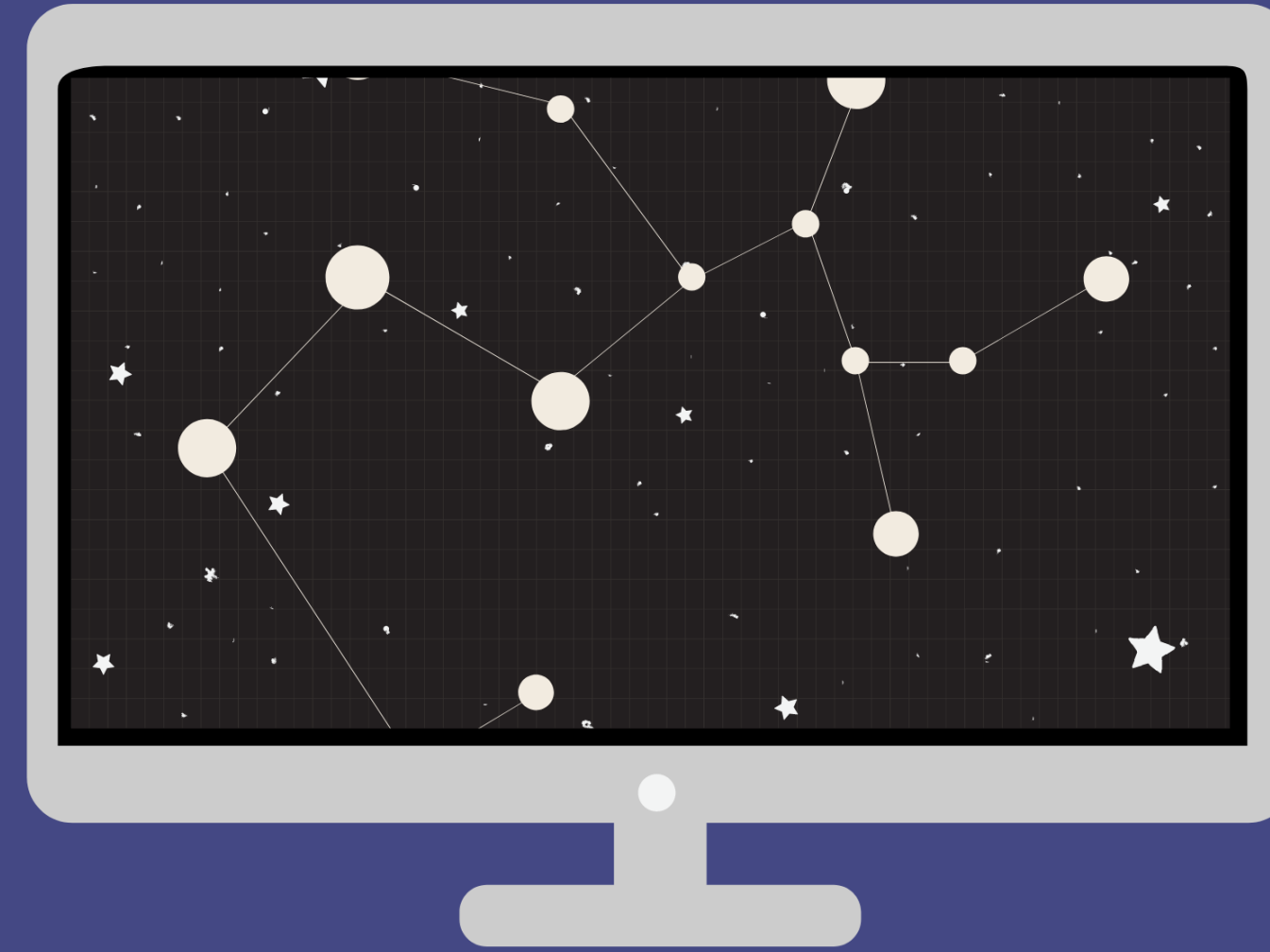
☕ Java is required run I2P

| select alternate mirror | verify signature |

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

| 🪟 **Windows** | 🍎 Mac | Ⓤ Ubuntu | 🌀 Debian | 🐧 Linux | 🤖 Android | 🐋 Docker |

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to three steps:

① Download Java

I2P needs Java to run for Windows, Mac, and Linux.

Go to java.com to download.

② Installation Guide

Step-by-step installation guide include setting up Java, installing I2P, and using the I2P set-up wizard.

Follow the guide.

③ Browser Configuration

Configure your browser settings to be compatible with the I2P network.

Firefox
Chrome
Internet Explorer

Terminal Instructions

The most reliable way to launch the installer is from a terminal like this: java -jar i2pinstall_1.5.0.jar. This will launch the GUI installer. Depending on how your computer is set up, you may be able to start the installer by double-clicking the "i2pinstall_1.5.0.jar" file or right-clicking the file and selecting "Open with Java". Unfortunately, this behaviour is difficult to predict.

Command Line (Headless) Install

I2P can also be installed in a terminal environment, which may be especially useful for servers, containers, or certain virtual machines. If you wish to use the installer without a GUI, you can use the command java -jar i2pinstall_1.5.0.jar -console to follow the install procedure in your terminal.

DMG Bundle (BETA)

If you do not want to use the installer or do not have a Java Runtime Environment available on your Windows PC, you can try our latest DMG bundle.

⬇ **Windows DMG Bundle (BETA)**

DMG bundle

Additional Resources

If you are having issues on downloading, see the Troubleshooting page.

Get to know the I2P software here.

I2P for Mac
Latest version: 0.9.50

⬇ Download I2P
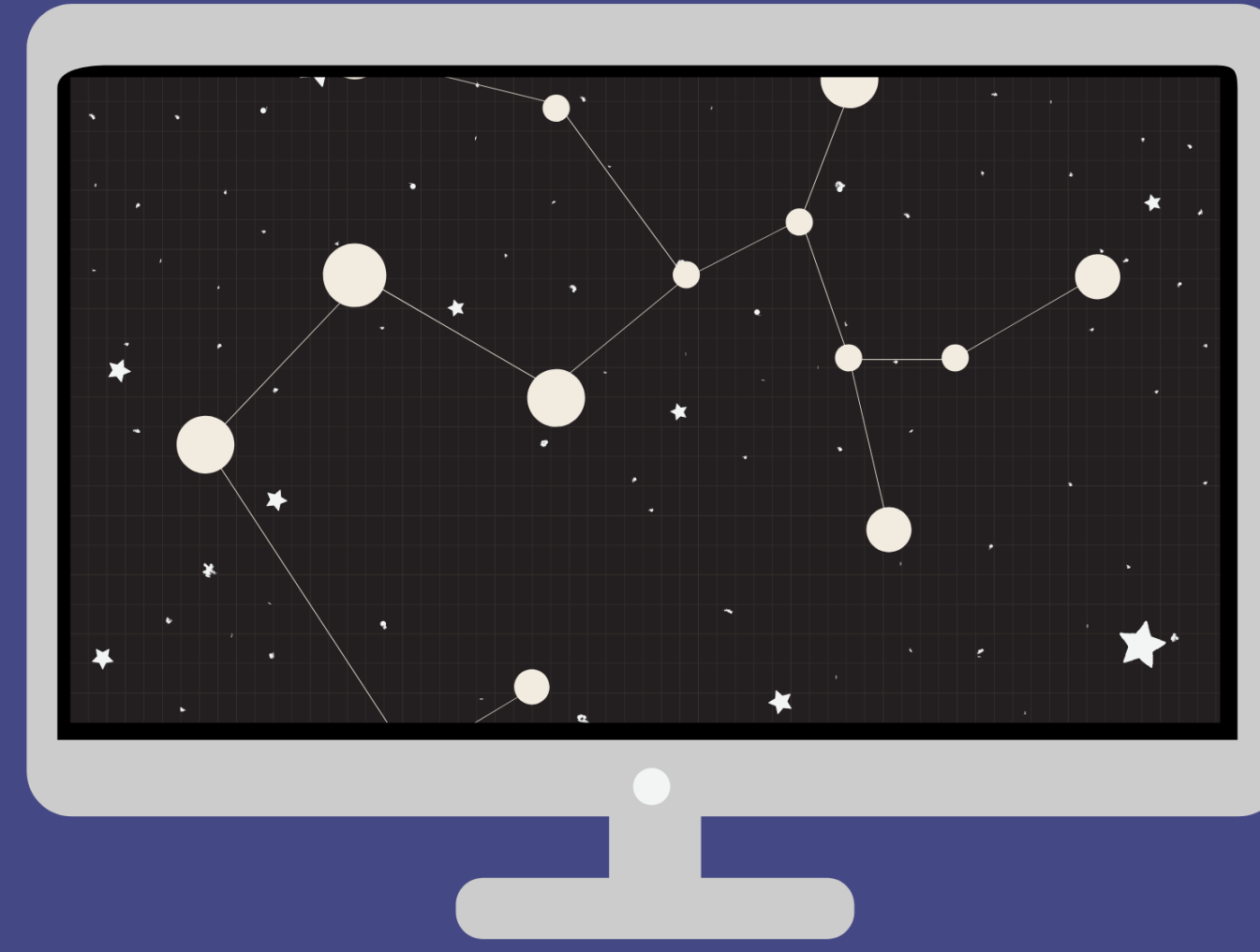
☕ Java is required run I2P

select alternate mirror   verify signature

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

🪟 Windows   🍎 Mac   ⬤ Ubuntu   🌀 Debian   🐧 Linux   🤖 Android   🐳 Docker

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to three steps:

1   Download Java

I2P needs Java to run for Windows, Mac, and Linux.

Go to java.com to download.

2   Installation Guide

Step-by-step installation guide include setting up Java, installing I2P, and using the I2P set-up wizard.

Follow the guide.

3   Browser Configuration

Configure your browser settings to be compatible with the I2P network.

Firefox
Chrome
Internet Explorer

Terminal Instructions

The most reliable way to launch the installer is from a terminal like this: java -jar i2pinstall_1.5.0.jar. This will launch the GUI installer. Depending on how your computer is set up, you may be able to start the installer by double-clicking the "i2pinstall_1.5.0.jar" file or right-clicking the file and selecting "Open with Java". Unfortunately, this behaviour is difficult to predict.

Command Line (Headless) Install

I2P can also be installed in a terminal environment, which may be especially useful for servers, containers, or certain virtual machines. If you wish to use the installer without a GUI, you can use the command java -jar i2pinstall_1.5.0.jar -console to follow the install procedure in your terminal.

DMG Bundle (BETA)

If you do not want to use the installer or do not have a Java Runtime Environment available on your Mac, you can try our latest DMG bundle.

⬇ MacOS DMG Bundle (BETA)

DMG bundle

Additional Resources

If you are having issues on downloading, see the Troubleshooting page.

Get to know the I2P software here.

I2P for Ubuntu
Latest version: <u>0.9.50</u>

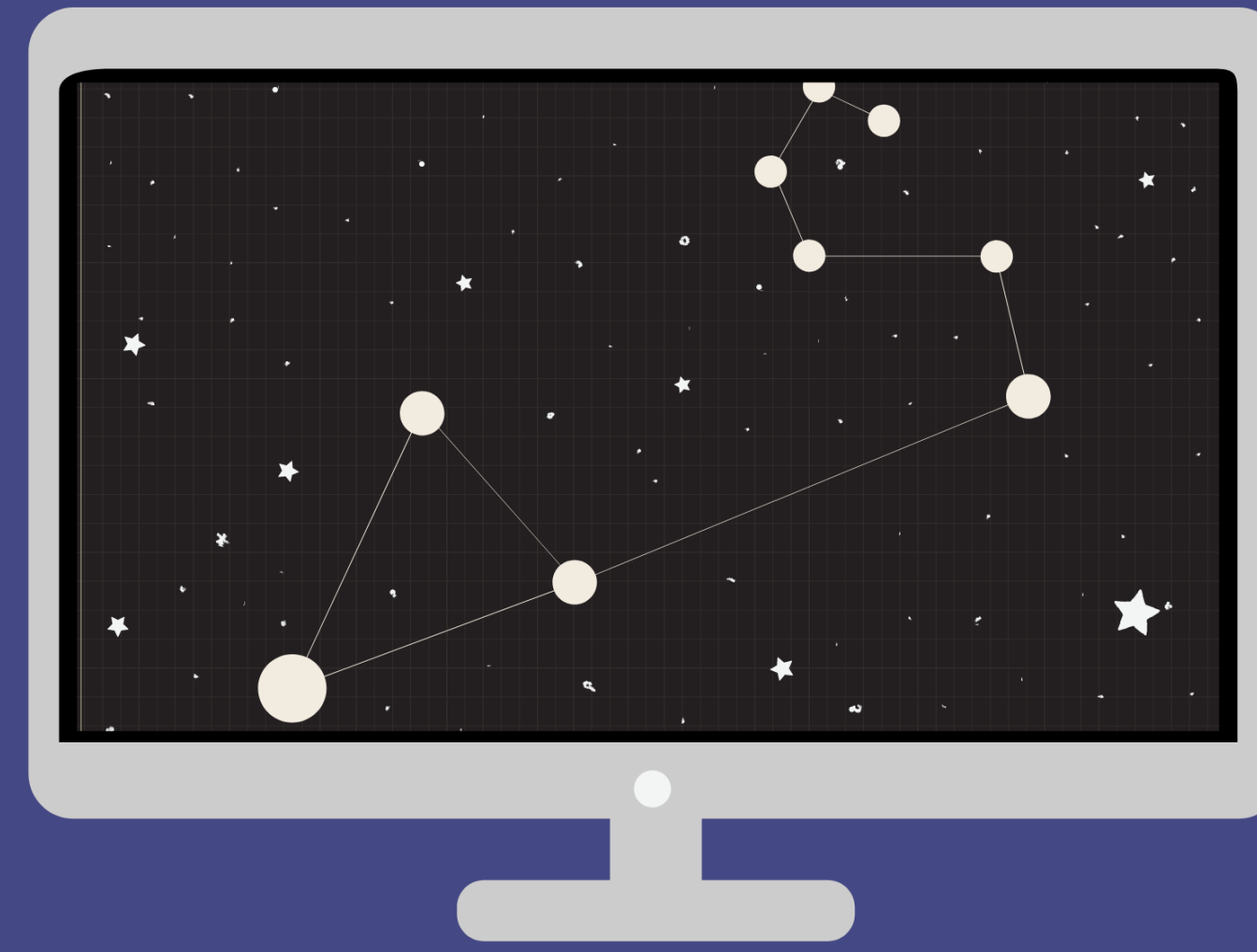**Packages for Ubuntu**

| select alternate mirror | verify signature |

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

Windows   Mac   Ubuntu   Debian   Linux   Android   Docker

Improvements on copy coming

Ubuntu

I2P is available in the official repositories for Ubuntu Bionic and later, and Debian Buster and Sid. However, Debian Buster and Ubuntu Bionic (LTS) distributions will have older I2P versions. If you are not running Debian Sid or the latest Ubuntu release, use our Debian repo or Launchpad PPA to ensure you're running the latest I2P version.

On Debian and Ubuntu when using a .deb package to install, the system will automatically install and configure a Java environment for you.

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to two steps:

1 **Installation Guide**

Instructions for Ubuntu and derivatives like Linux Mint & Trisquel

2 **Browser Configuration**

Configure your browser settings to be compatible with the I2P network.

Firefox
Chrome
Internet Explorer

Instructions for Ubuntu and derivatives like Linux Mint & Trisquel

Adding the PPA via the command line and installing I2P
1. Open a terminal and enter:
2. `sudo apt-add-repository ppa:i2p-maintainers/i2p`
3. This command will add the PPA to /etc/apt/sources.list.d and fetch the gpg key that the repository has been signed with. The GPG key ensures that the packages have not been tampered with since being built.
4. Notify your package manager of the new PPA by entering:
5. `sudo apt-get update`
6. This command will retrieve the latest list of software from each repository that is enabled on your system, including the I2P PPA that was added with the earlier command.
7. You are now ready to install I2P!
8. `sudo apt-get install i2p`

Adding the PPA Using Synaptic
1. Open Synaptic (System -> Administration -> Synaptic Package Manager).
2. Once Synaptic opens, select *Repositories* from the *Settings* menu.
3. Click the *Other Sources* tab and click *Add*. Paste `ppa:i2p-maintainers/i2p` into the APT-line field and click *Add Source*. Click the *Close* button then *Reload*.
4. In the Quick Filter box, type in `i2p` and press enter. When `i2p` is returned in the results list, right click `i2p` and select *Mark for Installation*. After doing so you may see a *Mark additional required changes?* popup. If so, click *Mark* then *Apply*.

After the installation process completes you can move on to the next part of starting I2P and configuring it for your system.

Instructions on the same page or links to separate pages?

Make it a link to
launchpad page (hosts repo.)
or scrolls down

I2P for Debian
Latest version: 0.9.50

Packages for Debian

select alternate mirror   verify signature

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

Windows   Mac   Ubuntu   Debian   Linux   Android   Docker

Improvements on copy coming

Debian

I2P is available in the official repositories for Ubuntu Bionic and later, and Debian Buster and Sid. However, Debian Buster and Ubuntu Bionic (LTS) distributions will have older I2P versions. If you are not running Debian Sid or the latest Ubuntu release, use our Debian repo or Launchpad PPA to ensure you're running the latest I2P version.

On Debian and Ubuntu when using a .deb package to install, the system will automatically install and configure a Java environment for you.

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to two steps:

1 Installation Guide

Follow the step-by-step installation Instructions for Debian.

2 Browser Configuration

Configure your browser settings to be compatible with the I2P network.

Firefox
Chrome
Internet Explorer

Instructions for Debian

Adding the PPA via the command line and installing I2P
1. Open a terminal and enter:
2.   `sudo apt-add-repository ppa:i2p-maintainers/i2p`
3. This command will add the PPA to /etc/apt/sources.list.d and fetch the gpg key that the repository has been signed with. The GPG key ensures that the packages have not been tampered with since being built.
4. Notify your package manager of the new PPA by entering:
5.   `sudo apt-get update`
6. This command will retrieve the latest list of software from each repository that is enabled on your system, including the I2P PPA that was added with the earlier command.
7. You are now ready to install I2P!
8.   `sudo apt-get install i2p`

Adding the PPA Using Synaptic
1. Open Synaptic (System -> Administration -> Synaptic Package Manager).
2. Once Synaptic opens, select *Repositories* from the *Settings* menu.

Currently supported architectures: amd64, i386, armhf, arm64, powerpc, ppc64el, s390x

Note: The steps below should be performed with root access (i.e., switching user to root with `su` or by prefixing each command with `sudo`).

1. Ensure that `apt-transport-https` and `curl` are installed.
2.   `sudo apt-get update`
3.   `sudo apt-get install apt-transport-https curl`
4.
5. Check which version of Debian you are using on this page at the Debian wiki and verify with /etc/debian_version on your system. Then, add lines like the following to /etc/apt/sources.list.d/i2p.list.

7. For Buster (stable):
8.   `deb https://deb.i2p2.de/ buster main`
9.   `deb-src https://deb.i2p2.de/ buster main`
10.

11. For Stretch (oldstable):
12.   `deb https://deb.i2p2.de/ stretch main`
13.   `deb-src https://deb.i2p2.de/ stretch main`
14.

15. For Jessie (oldoldstable):
16.   `deb https://deb.i2p2.de/ jessie main`
17.   `deb-src https://deb.i2p2.de/ jessie main`
18.

19. For Wheezy (obsolete):
20.   `deb https://deb.i2p2.de/ wheezy main`
21.   `deb-src https://deb.i2p2.de/ wheezy main`
22.

23. Note: If you are running Debian Sid (testing), then you can install I2P directly from Debian's main repository: `sudo apt-get install i2p`
24.
25. Download the key used to sign the repository:
26.   `curl -o i2p-debian-repo.key.asc https://geti2p.net/_static/i2p-debian-repo.key.asc`

29. Check the fingerprint and owner of the key without importing anything:
30.
31.   `gpg -n --import --import-options import-show i2p-debian-repo.key.asc`
32.
33. Add the key to APT's keyring:

Instructions on the same page or links to separate pages?
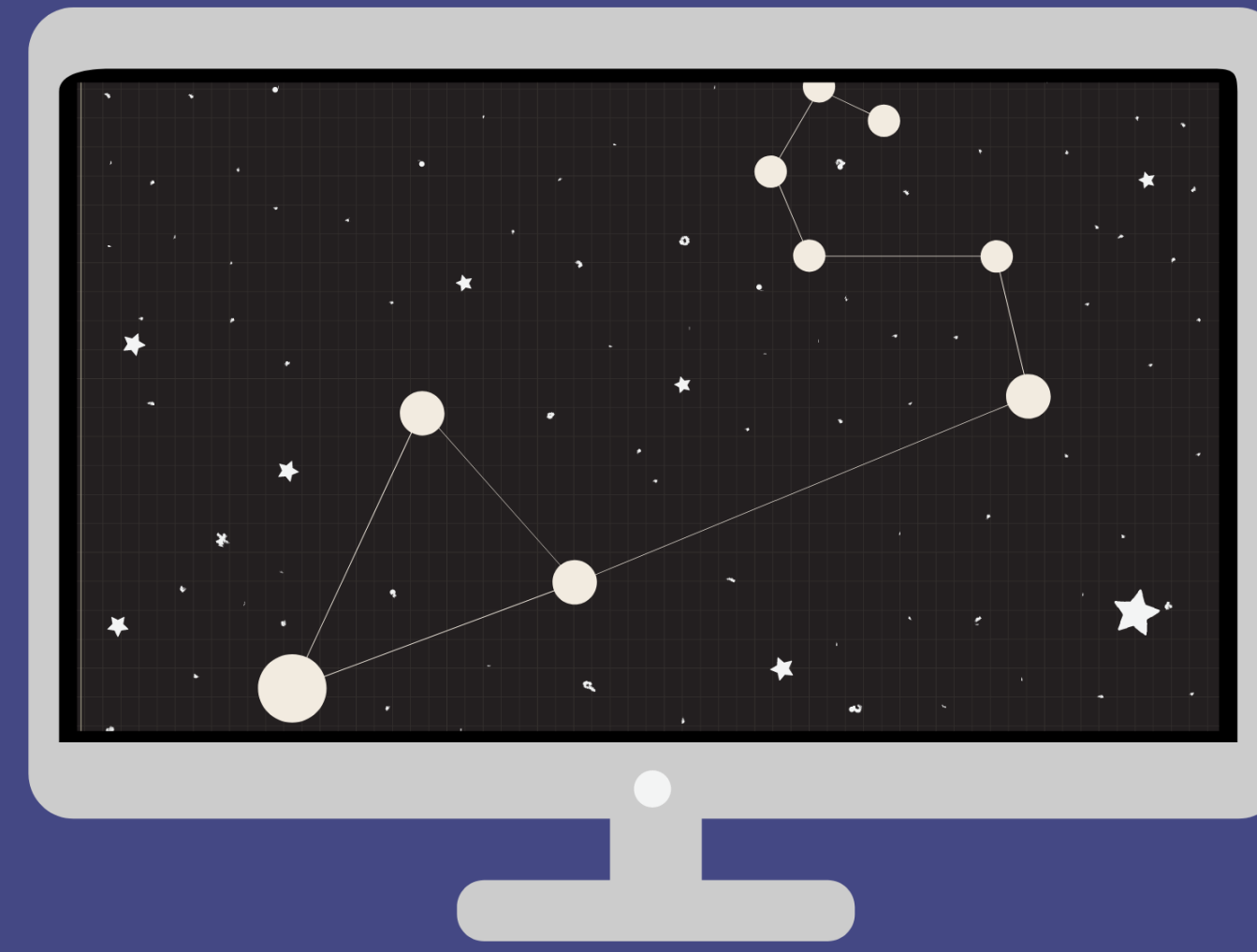
I2P for Linux
Latest version: 0.9.50

⬇ Download I2P

☕ Java is required run I2P

select alternate mirror	verify signature

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

🪟 Windows   🍎 Mac   Ⓤ Ubuntu   🌀 Debian   🐧 Linux   🤖 Android   🐳 Docker

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to three steps:

1 Download Java

I2P needs Java to run for Windows, Mac, and Linux.

Go to java.com to download.

2 Installation Guide

Step-by-step installation guide include setting up Java, installing I2P, and using the I2P set-up wizard.

Follow the guide.

3 Browser Configuration

Configure your browser settings to be compatible with the I2P network.

Firefox
Chrome
Internet Explorer

Terminal Instructions

The most reliable way to launch the installer is from a terminal like this: java -jar i2pinstall_1.5.0.jar. This will launch the GUI installer. Depending on how your computer is set up, you may be able to start the installer by double-clicking the "i2pinstall_1.5.0.jar" file or right-clicking the file and selecting "Open with Java". Unfortunately, this behaviour is difficult to predict.
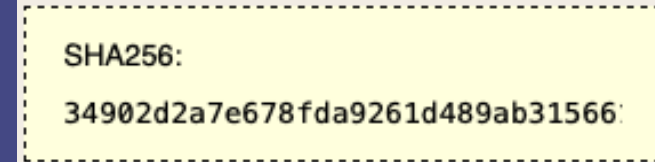
Command Line (Headless) Install

I2P can also be installed in a terminal environment, which may be especially useful for servers, containers, or certain virtual machines. If you wish to use the installer without a GUI, you can use the command java -jar i2pinstall_1.5.0.jar -console to follow the install procedure in your terminal.
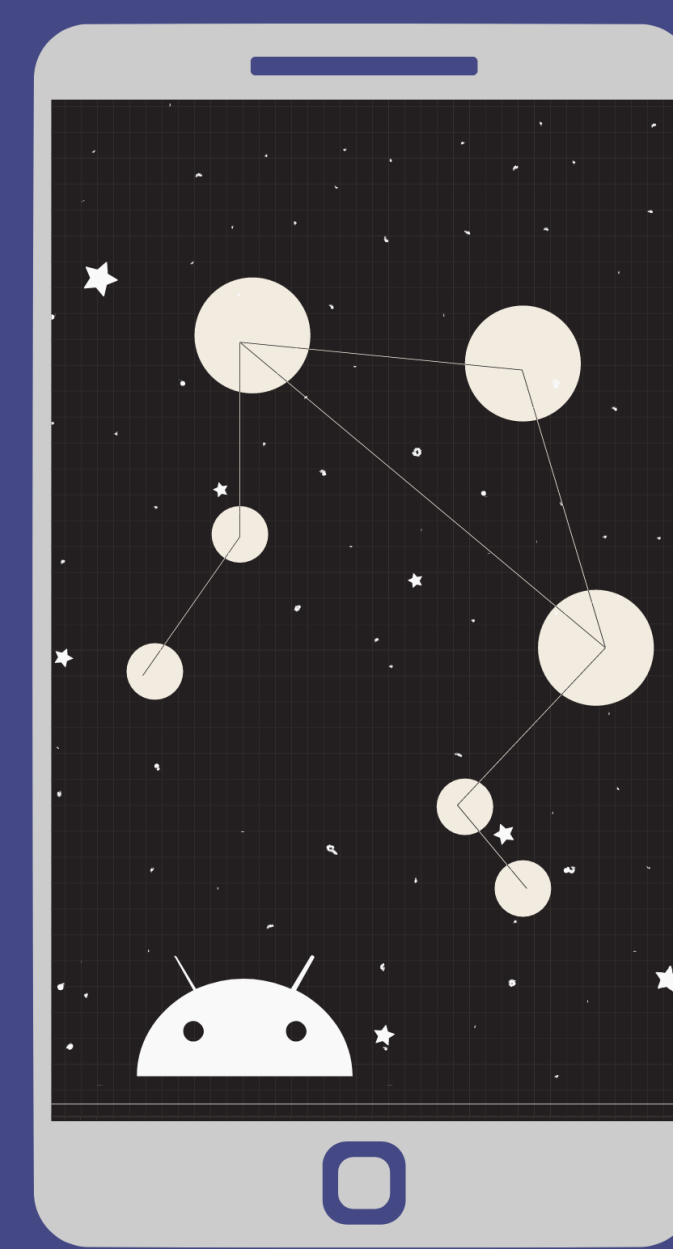
I2P for Android
Latest version: 0.9.50

GET IT ON
Google Play

GET IT ON
F-Droid

⬇ Download .apk

| select alternate mirror | verify signature |

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

🪟 Windows   🍎 Mac   Ubuntu   Debian   🐧 Linux   🤖 Android   Docker

System Requirements

Requires Android 4.0 (Ice Cream Sandwich) or higher. If you earlier installed I2P, unfortunately this release fixes some IPC issues which will force you to uninstall your current installation before installing this.

512 MB RAM minimum; 1 GB recommended. The releases are not compatible with each other, as they have different signatures. Uninstall them completely before installing any other version. The apk's from download.i2p2.de are signed by idk.

Installation Guide

Follow the step-by-step installation guide. You can write a little more here to fill out the space some more. Some people will want to see the instructions for Android.

Instructions

Additional Resources

If you are having issues on downloading, see the Troubleshooting page.

Get to know the I2P software here.

Browser Set-up

These browsers work best in Android:
Link
Link

I2P for Android
Latest version: 0.9.50

GET IT ON Google Play

GET IT ON F-Droid

⬇ Download .apk

| select alternate mirror | verify signature |

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

🪟 Windows   🍎 Mac   Ⓤ Ubuntu   Debian   🐧 Linux   🤖 Android   🐳 Docker

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Requires Android 4.0 (Ice Cream Sandwich) or higher. If you earlier installed I2P, unfortunately this release fixes some IPC issues which will force you to uninstall your current installation before installing this.

512 MB RAM minimum; 1 GB recommended. The releases are not compatible with each other, as they have different signatures. Uninstall them completely before installing any other version. The apk's from download.i2p2.de are signed by idk.

Does it need the cards

Installation Requirements

Once you've got I2P downloaded, getting I2P installed and running will consist of up to two steps:

1   Installation Guide

Follow the step-by-step installation guide. Some people will want to see the instructions for Android.

2   Browser Set-Up

These browsers work best with Android:

Firefox
Chrome
Internet Explorer

Additional Resources

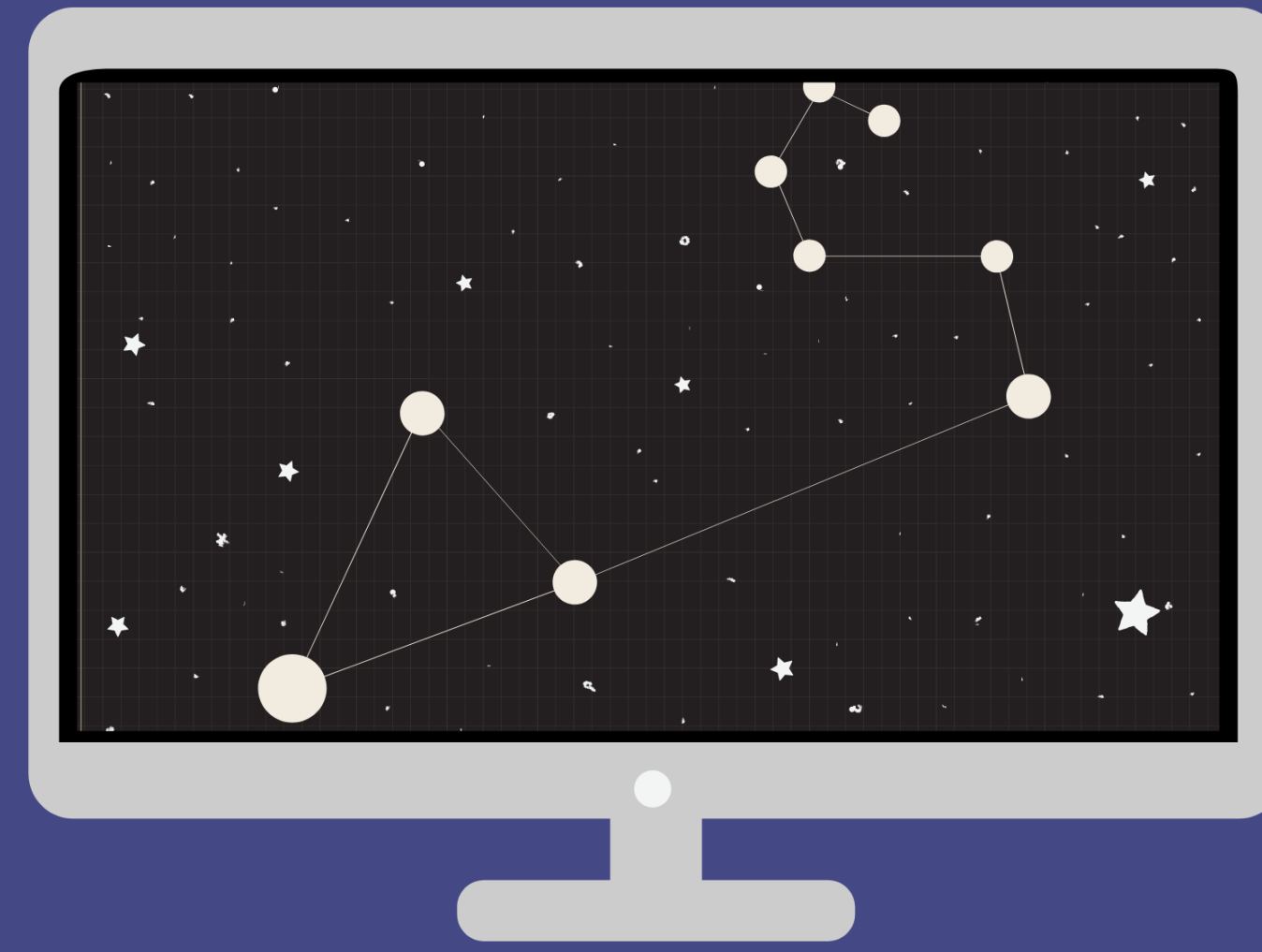If you are having issues on downloading, see the Troubleshooting page.

Get to know the I2P software here.

I2P for Docker
Latest version: 0.9.50

Get it at DockerHub

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

	Windows		Mac		Ubuntu		Debian		Linux		Android		Docker

I2P is now available as a Docker package from the Docker Hub. You may retrieve the image by running the 'docker pull' command.

docker pull geti2p/i2p

System Requirements

Requires Docker to be installed on any host system.

For Windows and OSX click here. (https://www.docker.com/products/docker-desktop)

Additional Resources

If you are having issues on downloading, see the Troubleshooting page.

Get to know the I2P software here.

Advanced Installation Instructions

Docker instructions for those that are curious about composing Docker containers together.

Instructions

Browser Configuration

You can use any of these browsers on your operating system:
Firefox
Chrome
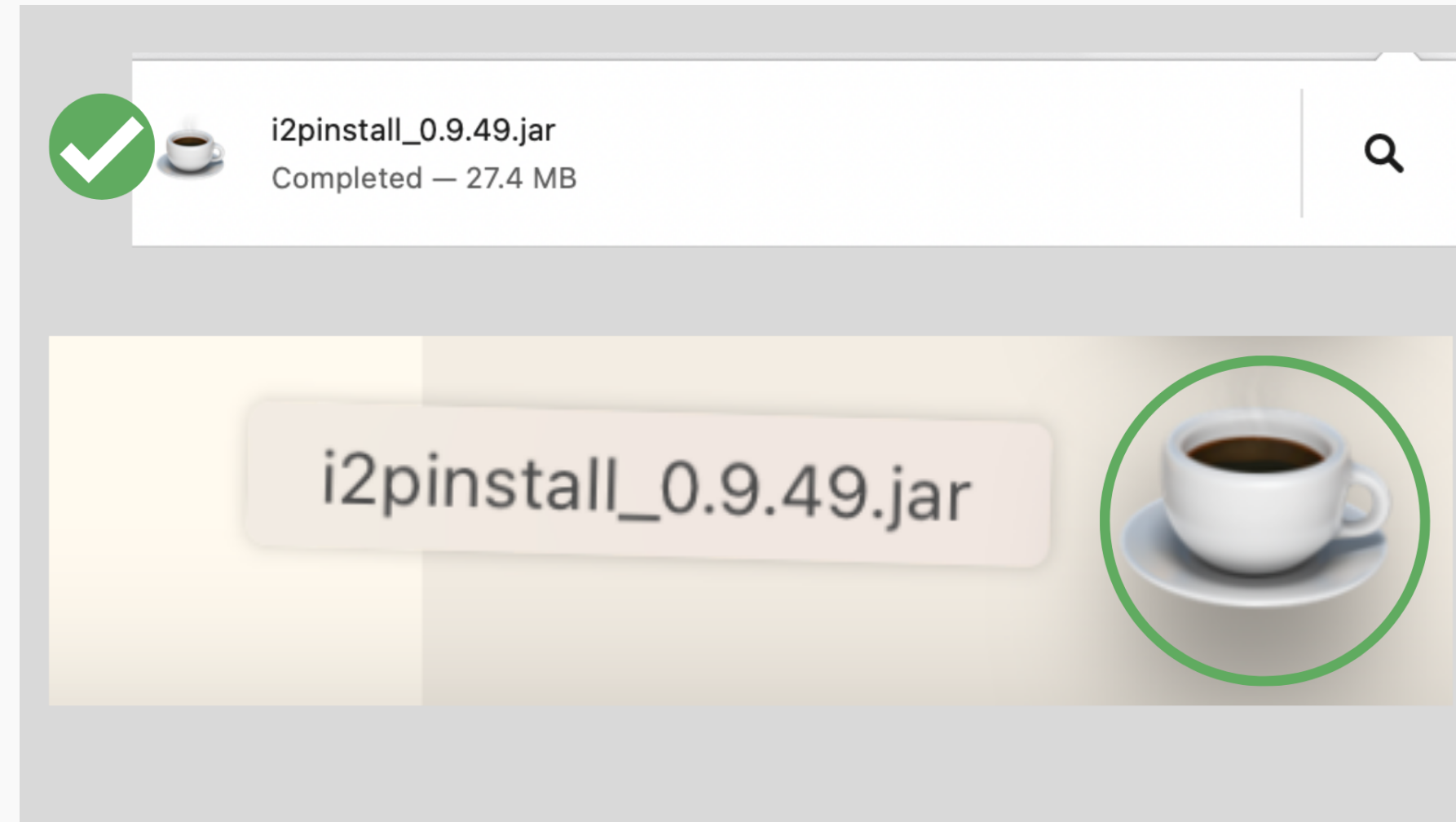Internet Explorer

For a pure Docker webflow:

```
xhost + local:docker
    docker run -it --rm \
        --net=host \
        -e DISPLAY=unix$(DISPLAY) \
        -v /tmp/.X11-unix:/tmp/.X11-unix \
        geti2p/i2p.firefox firefox --profile /src/build/profile
```
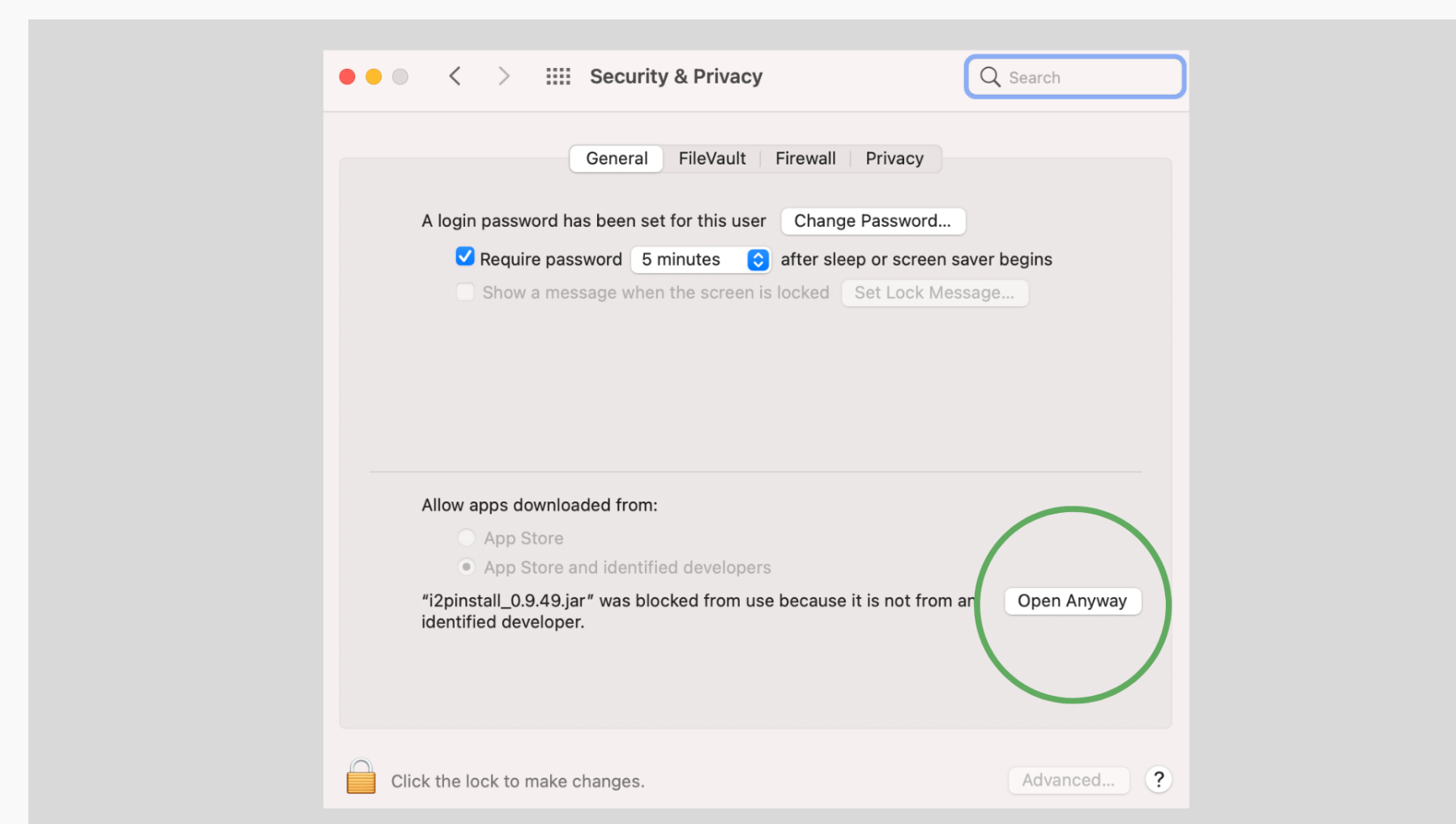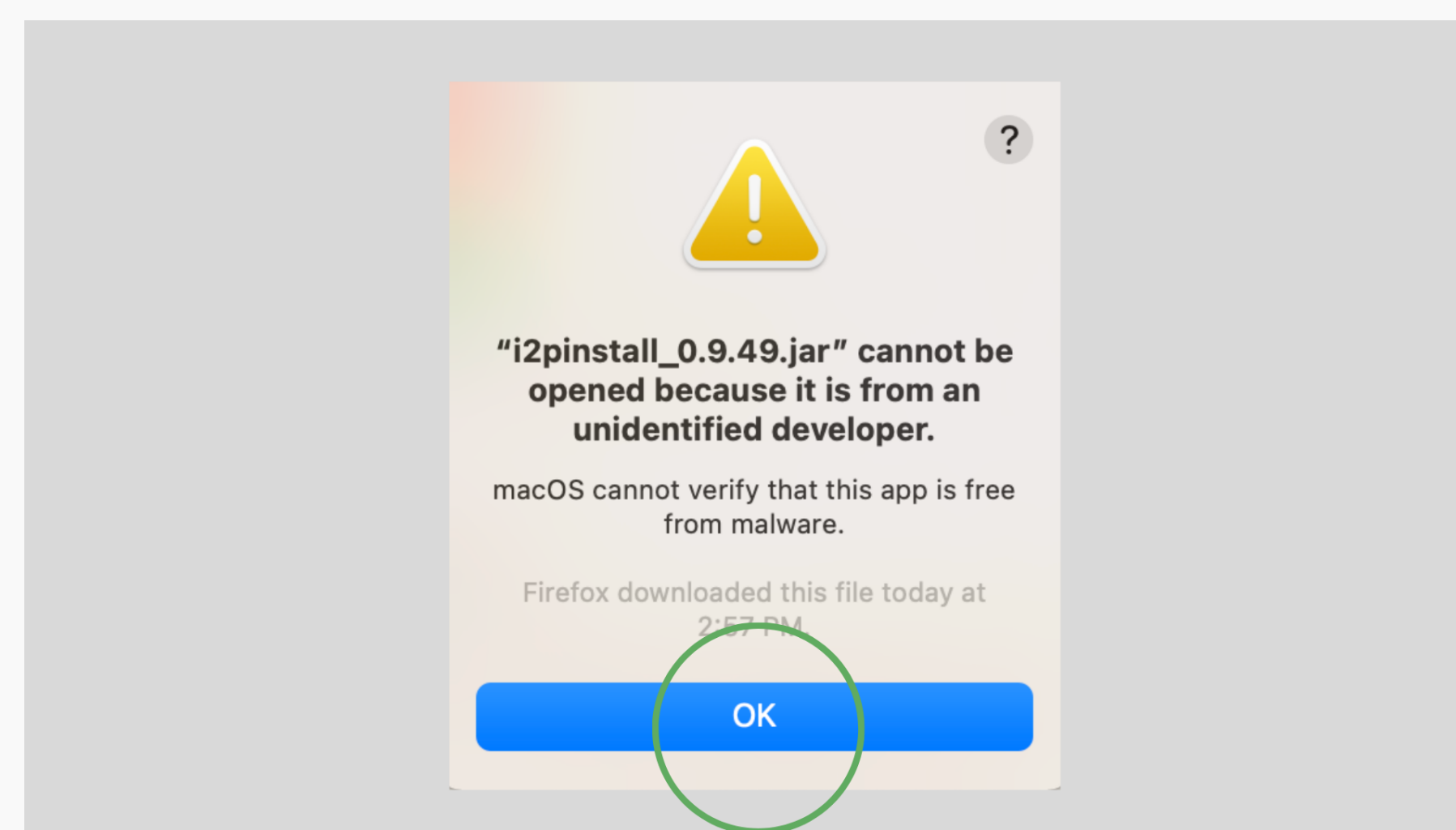
I2P

Installation Instructions for Mac OS

I2P Installation

1 Download and install Java if you have not already. Step by step installation instructions for Java can be found here.

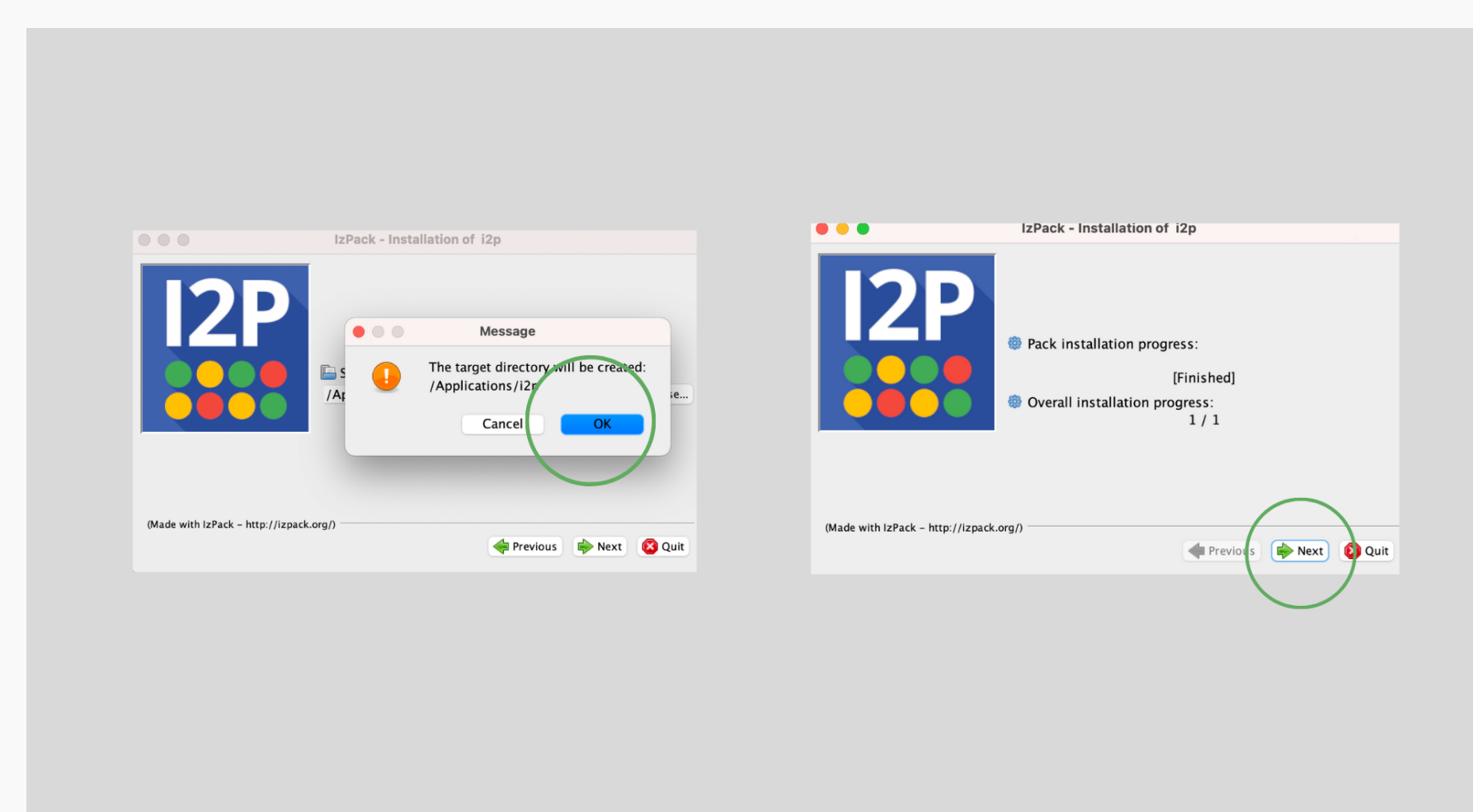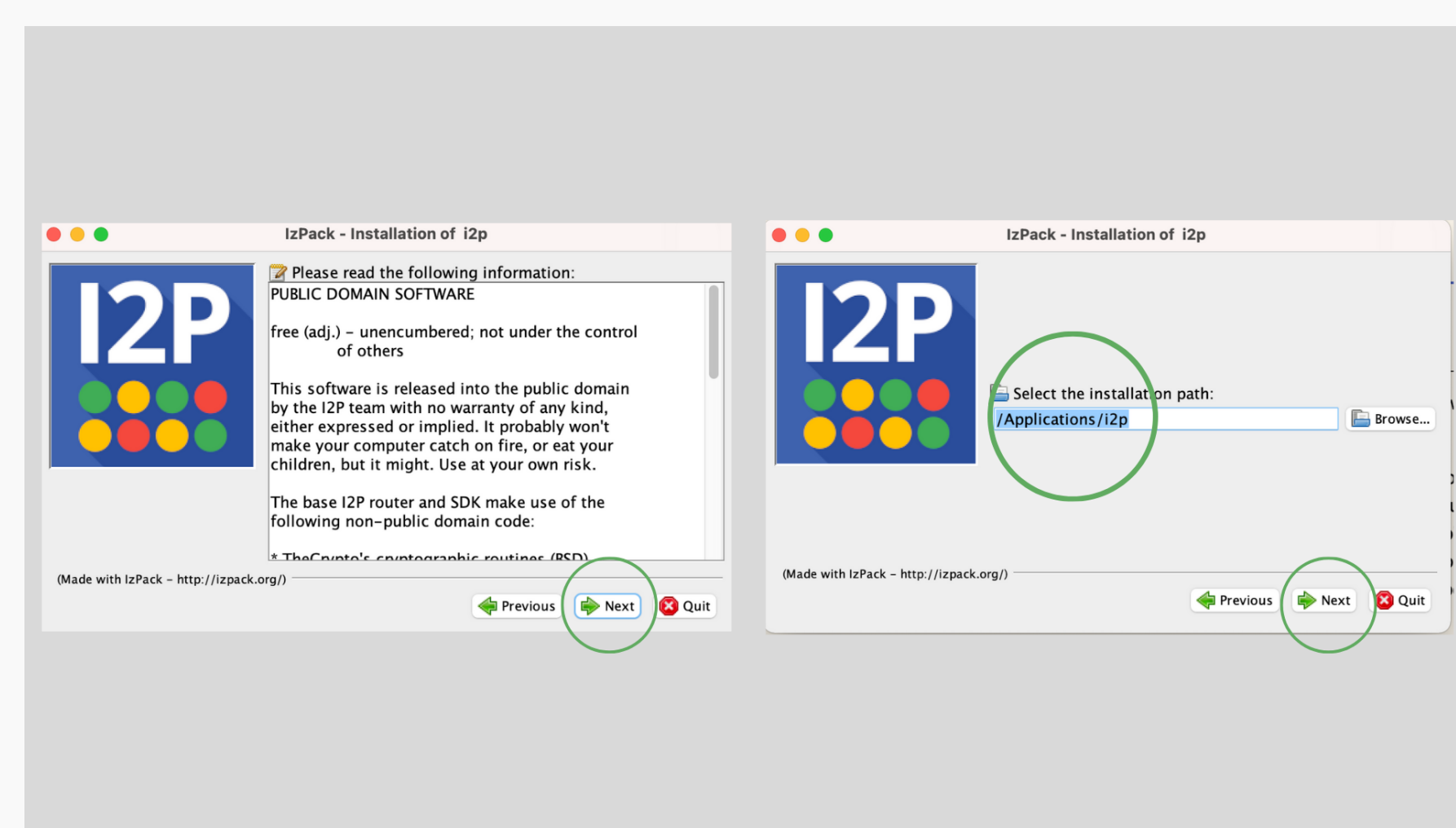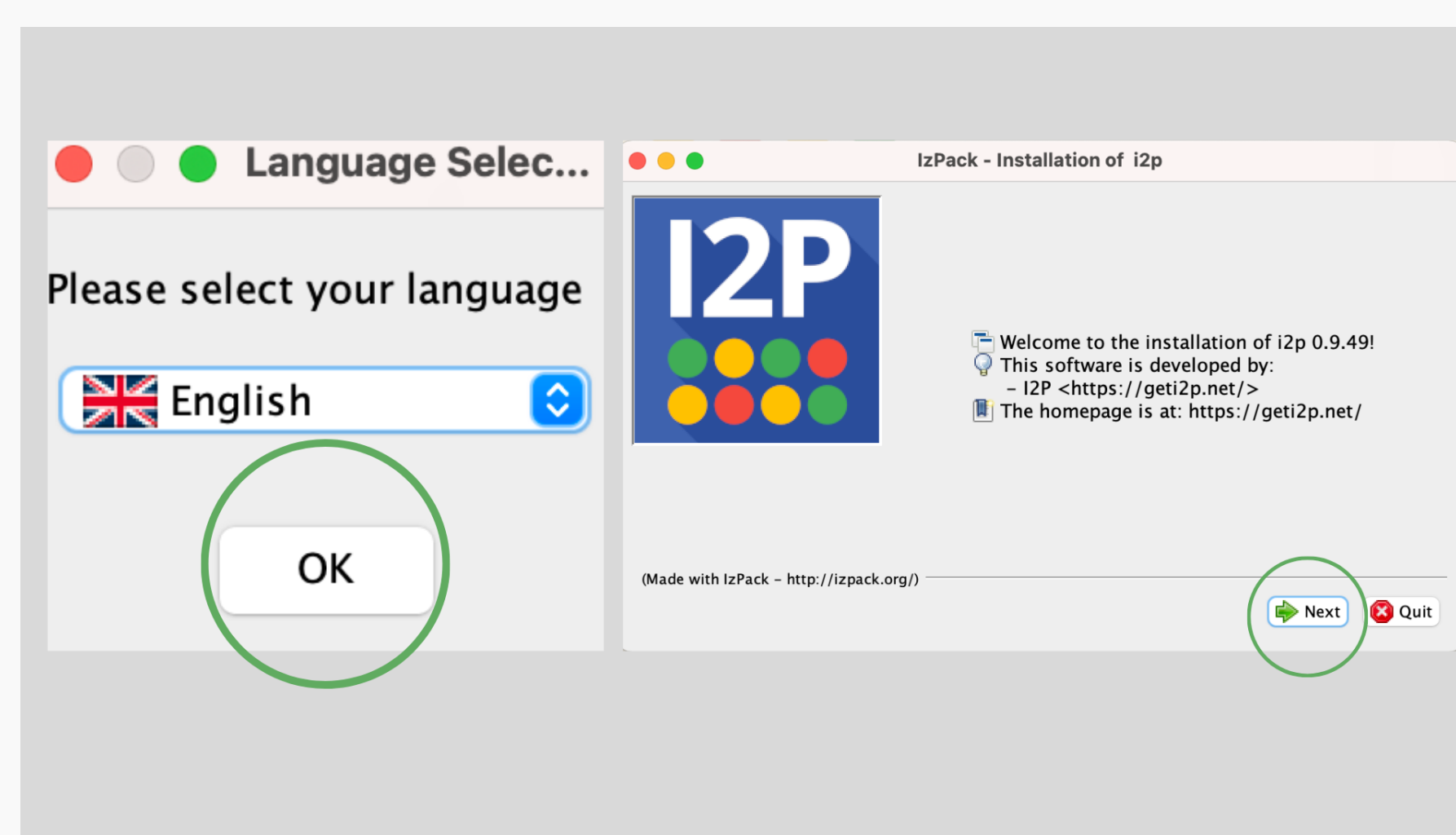**2** Open the .jar file. Notice the coffee cup icon, which means it can be opened since Java is installed.

✅ i2pinstall_0.9.49.jar
Completed — 27.4 MB   🔍

i2pinstall_0.9.49.jar   ☕
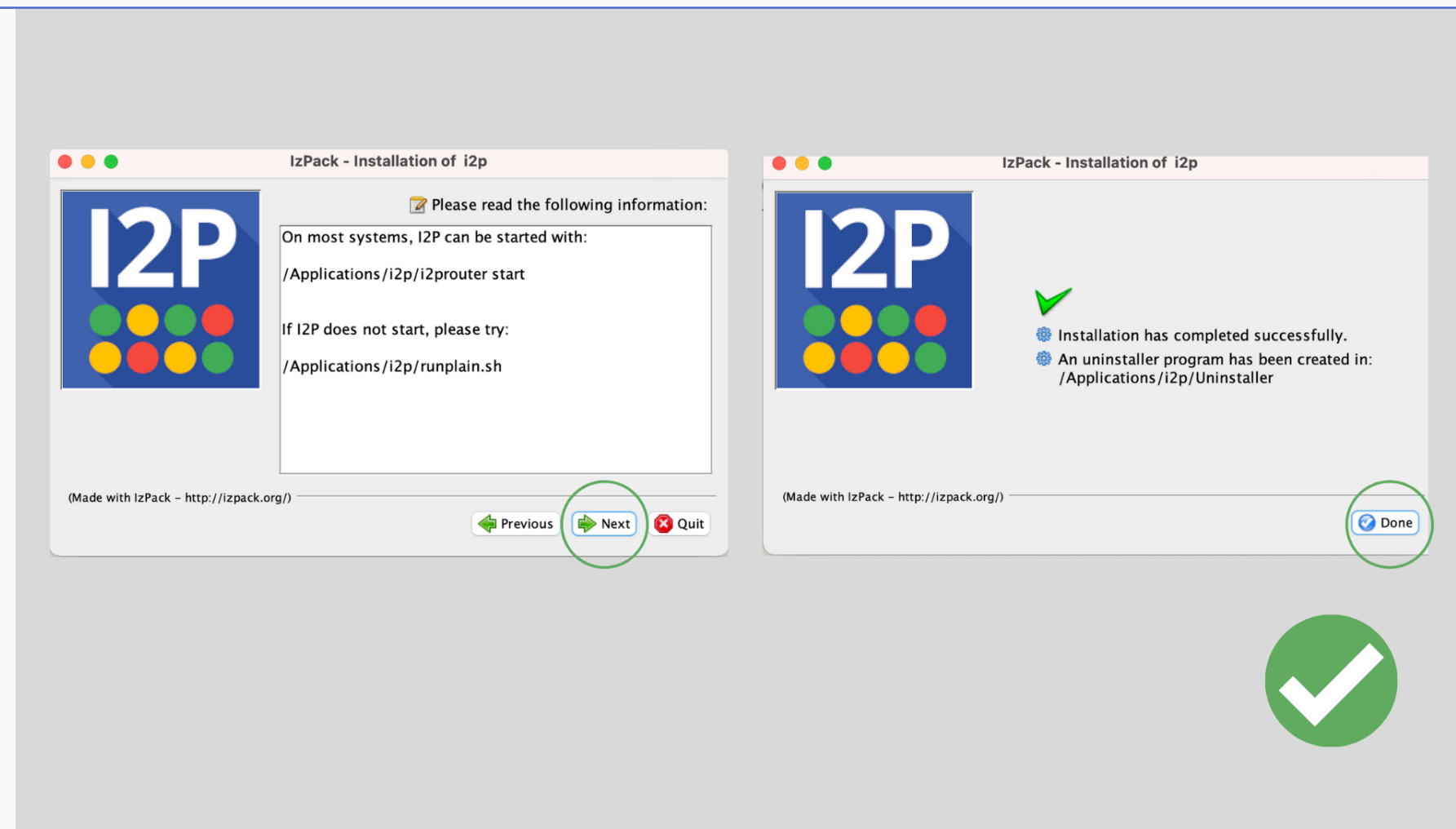
3 Mac will ask you to allow permissions to open the file.

⚠️

"i2pinstall_0.9.49.jar" cannot be opened because it is from an unidentified developer.

macOS cannot verify that this app is free from malware.

Firefox downloaded this file today at

OK

Security & Privacy

General   FileVault   Firewall   Privacy

A login password has been set for this user   Change Password...
☑ Require password 5 minutes ☑ after sleep or screen saver begins
☐ Show a message when the screen is locked   Set Lock Message...

Allow apps downloaded from:
  ○ App Store
  ○ App Store and identified developers
"i2pinstall_0.9.49.jar" was blocked from use because it is not from an identified developer.

Open Anyway

🔒 Click the lock to make changes.   Advanced...   ?

Might seem scary,
add tool tip

4 Follow the steps for installation.

Language Selec...

Please select your language

🇬🇧 English ▾

OK

IzPack - Installation of i2p

I2P

Welcome to the installation of i2p 0.9.49!
This software is developed by:
 – I2P <https://geti2p.net/>
The homepage is at: https://geti2p.net/

(Made with IzPack – http://izpack.org/)   Next   Quit

IzPack - Installation of i2p

I2P

Please read the following information:
PUBLIC DOMAIN SOFTWARE

free (adj.) – uncumbered; not under the control of others

This software is released into the public domain by the I2P team with no warranty of any kind, either expressed or implied. It probably won't make your computer catch on fire, or eat your children, but it might. Use at your own risk.

The base I2P router and SDK make use of the following non-public domain code:

(Made with IzPack – http://izpack.org/)   Previous   Next   Quit

IzPack - Installation of i2p

I2P

Select the installation path:
/Applications/i2p   Browse...

(Made with IzPack – http://izpack.org/)   Previous   Next   Quit

IzPack - Installation of i2p

I2P

Message
The target directory will be created:
/Applications/i2p
Cancel   OK

(Made with IzPack – http://izpack.org/)   Previous   Next   Quit

IzPack - Installation of i2p

I2P

Pack installation progress:
[Finished]
Overall installation progress:
1 / 1

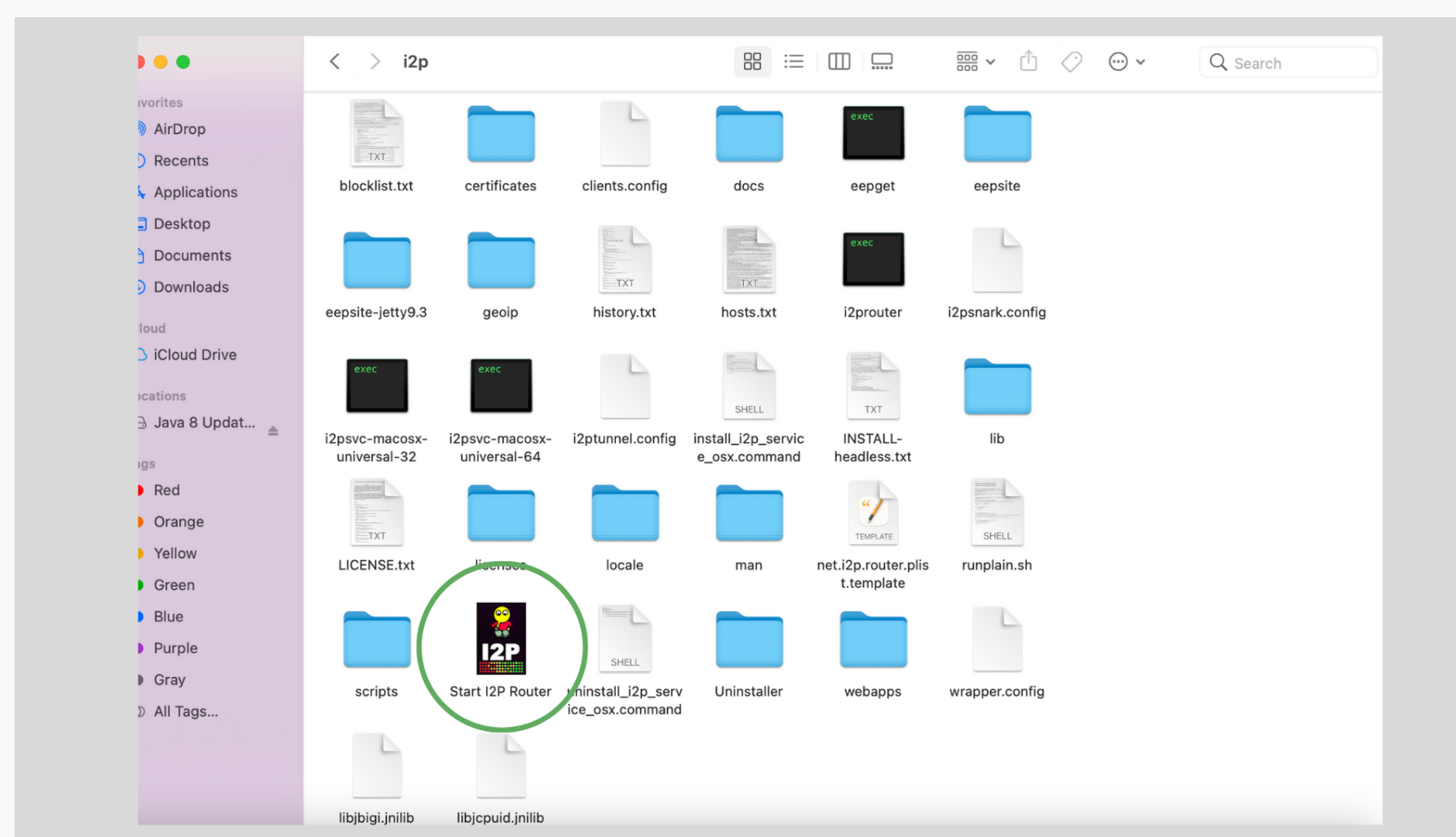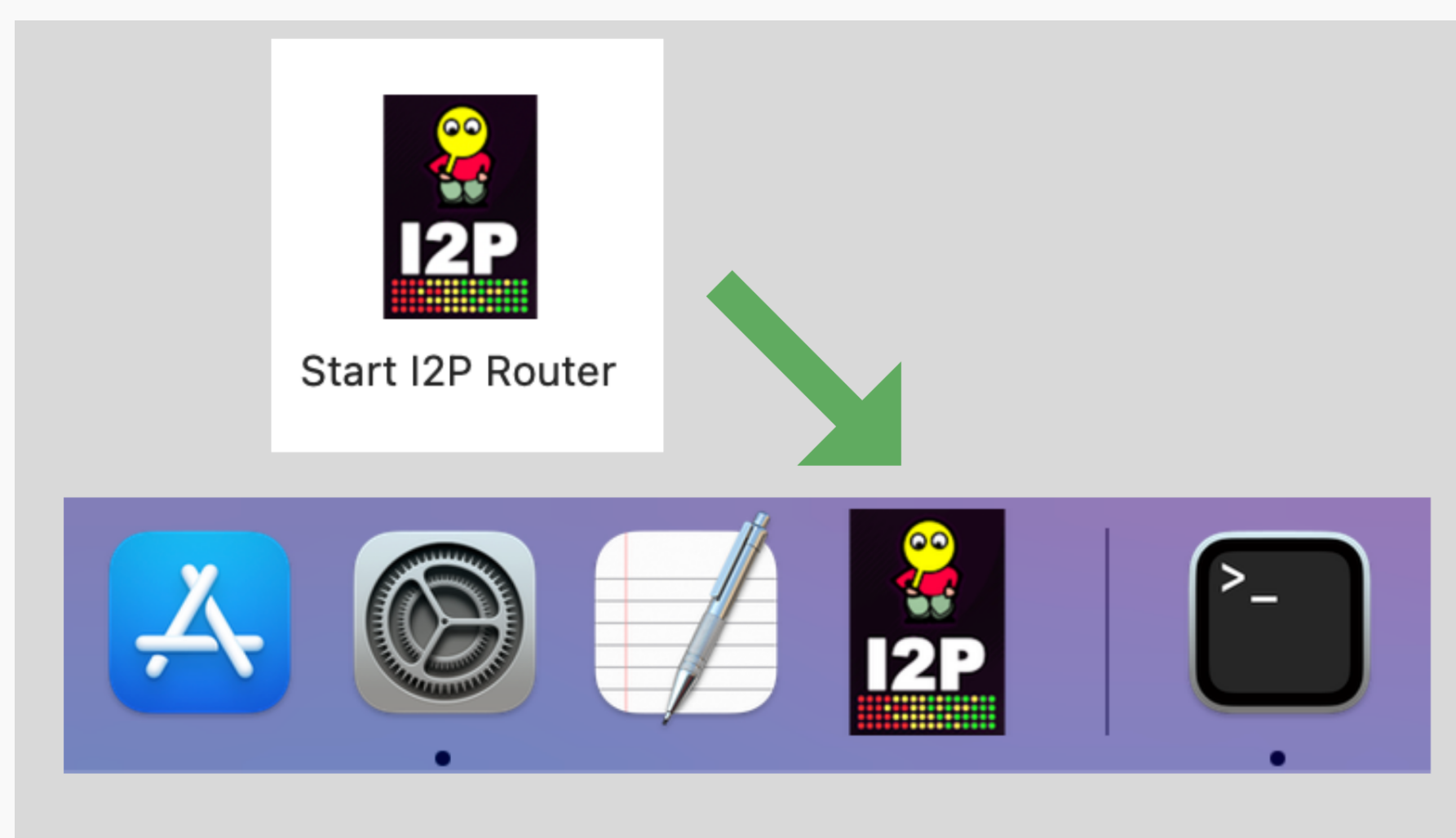(Made with IzPack – http://izpack.org/)   Previous   Next   Quit

Launching I2P

① Go to Finder, and open your Applications to locate the I2P folder.

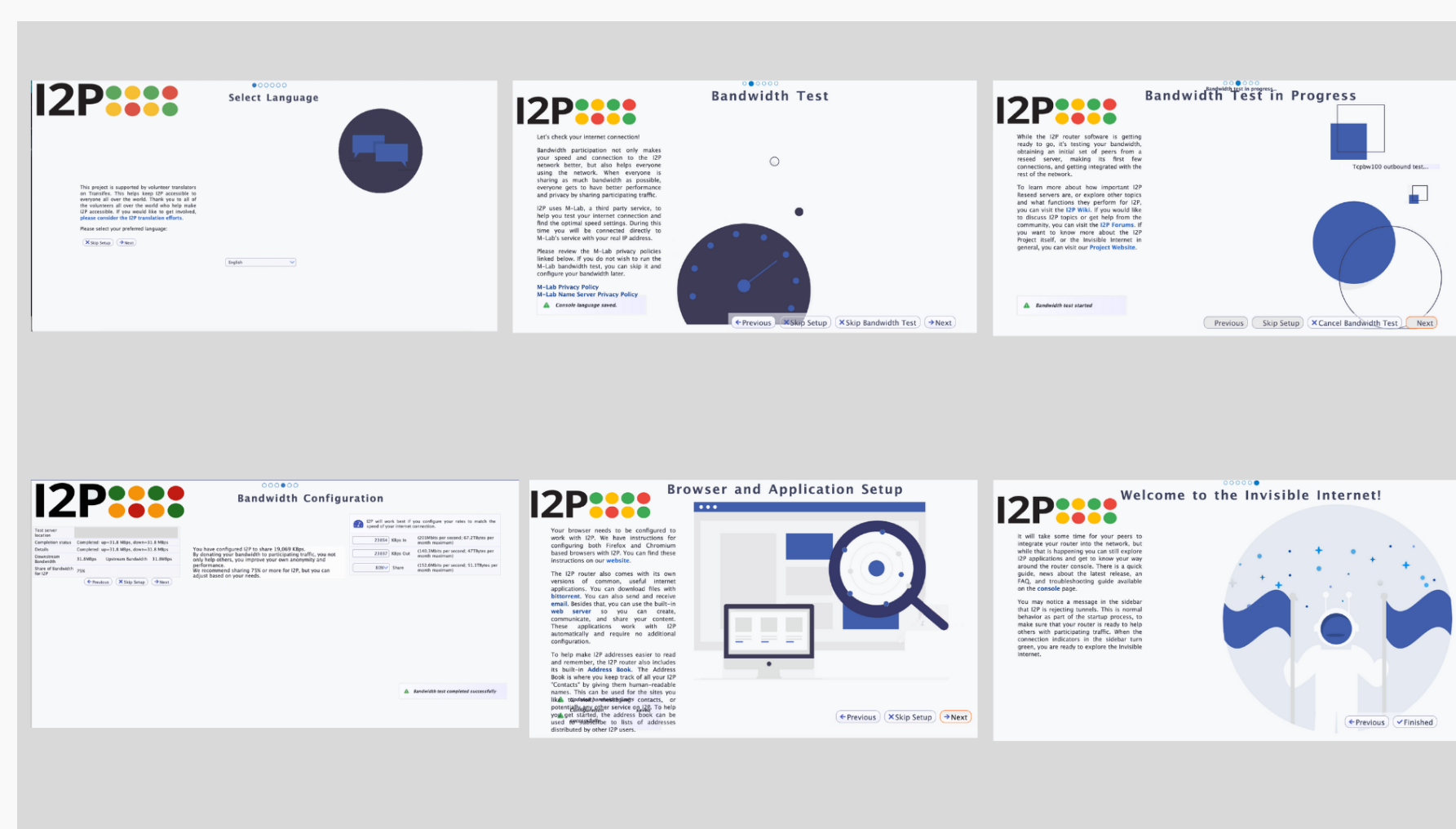② Go to Finder, and open your Applications to locate the I2P folder.

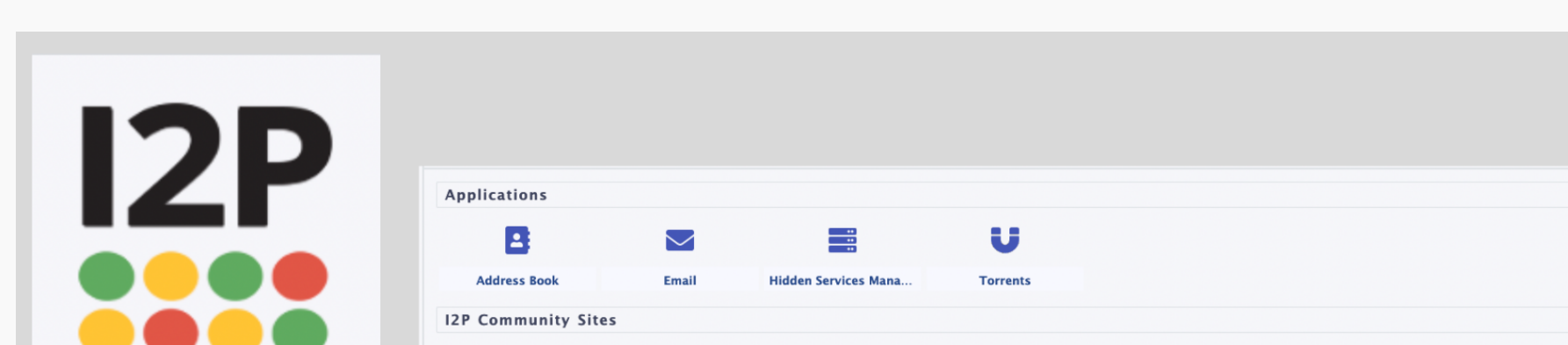③ Go to Finder, and open your Applications to locate the I2P folder.
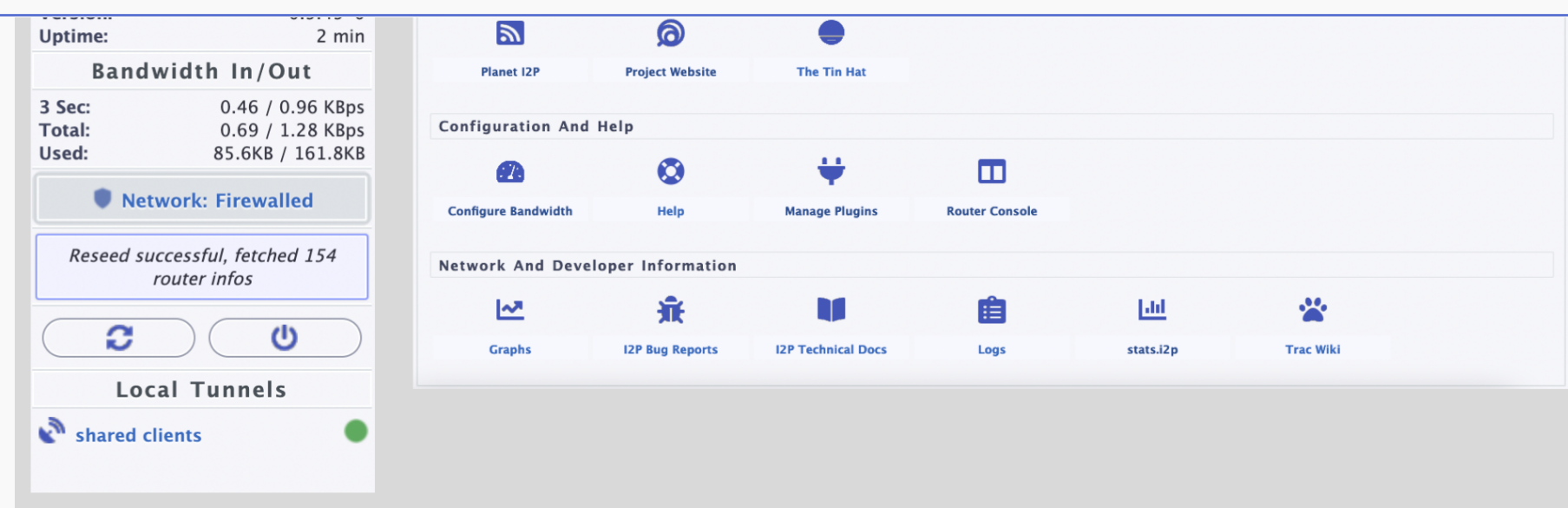

Wizard Walk-through

① Go to Finder, and open your Applications to locate the I2P folder.

② The router console will look like this:

You've completed the installation process! You must configure your browser in order to use I2P. Choose your browser below for instructions.

Firefox
Chrome
Internet Explorer 8

Configuring Your I2P Network Connections

Browser Configuration for Firefox 57 and above

1 From the Menu button in the top right, select *Preferences*. Scroll down until you see the *Network Proxy* section, as shown in the screenshot below. Click on *Settings*
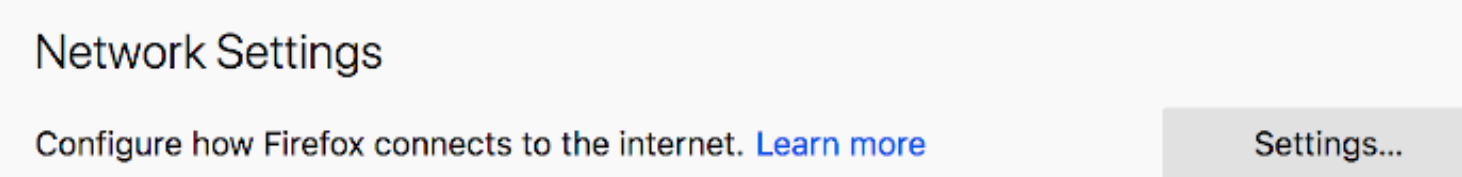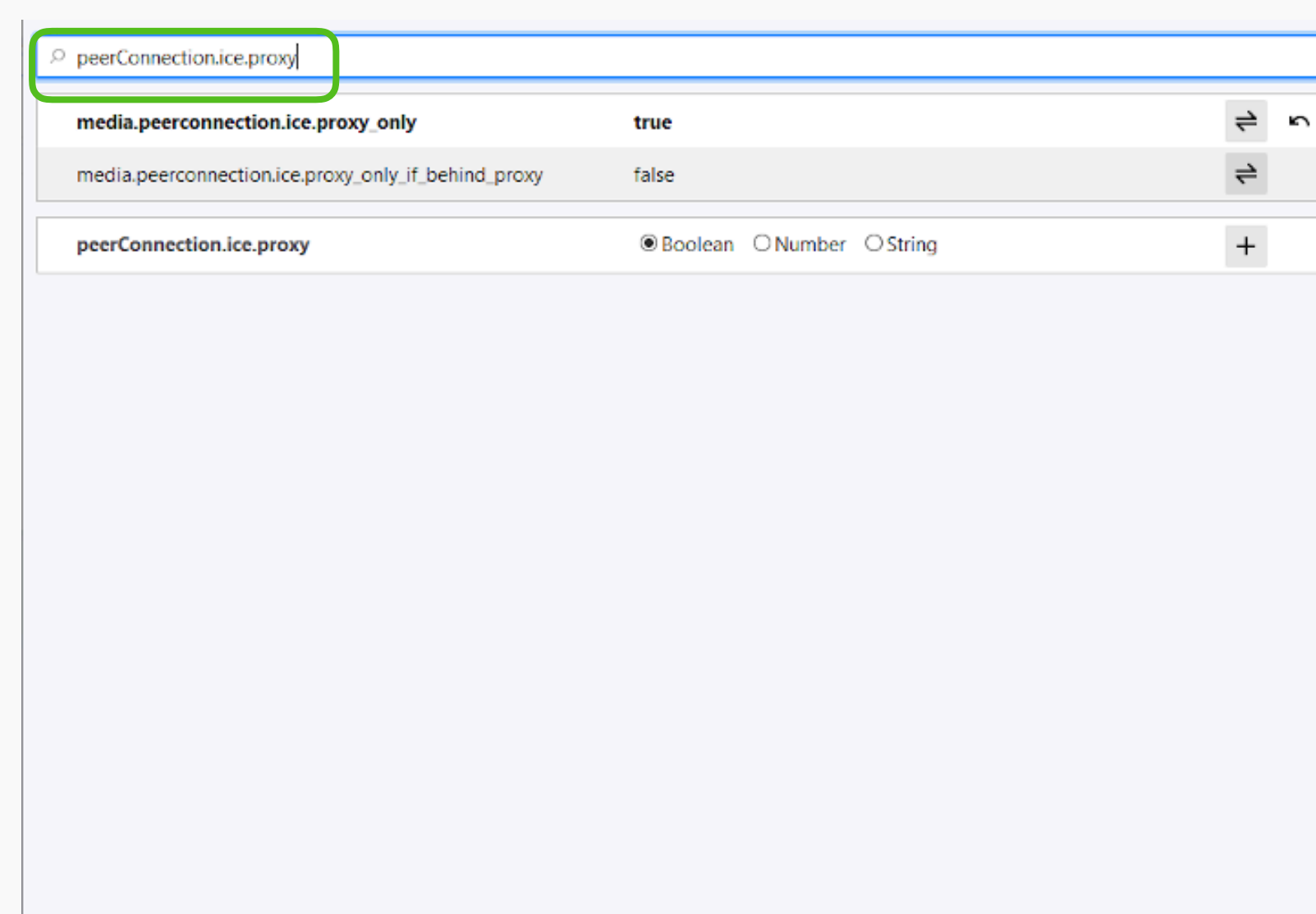

2 In the *Connection Settings* pop-up, select *Manual proxy configuration*. Set both the HTTP and SSL Proxy to address 127.0.0.1 with port 4444 as shown in the following screenshot.
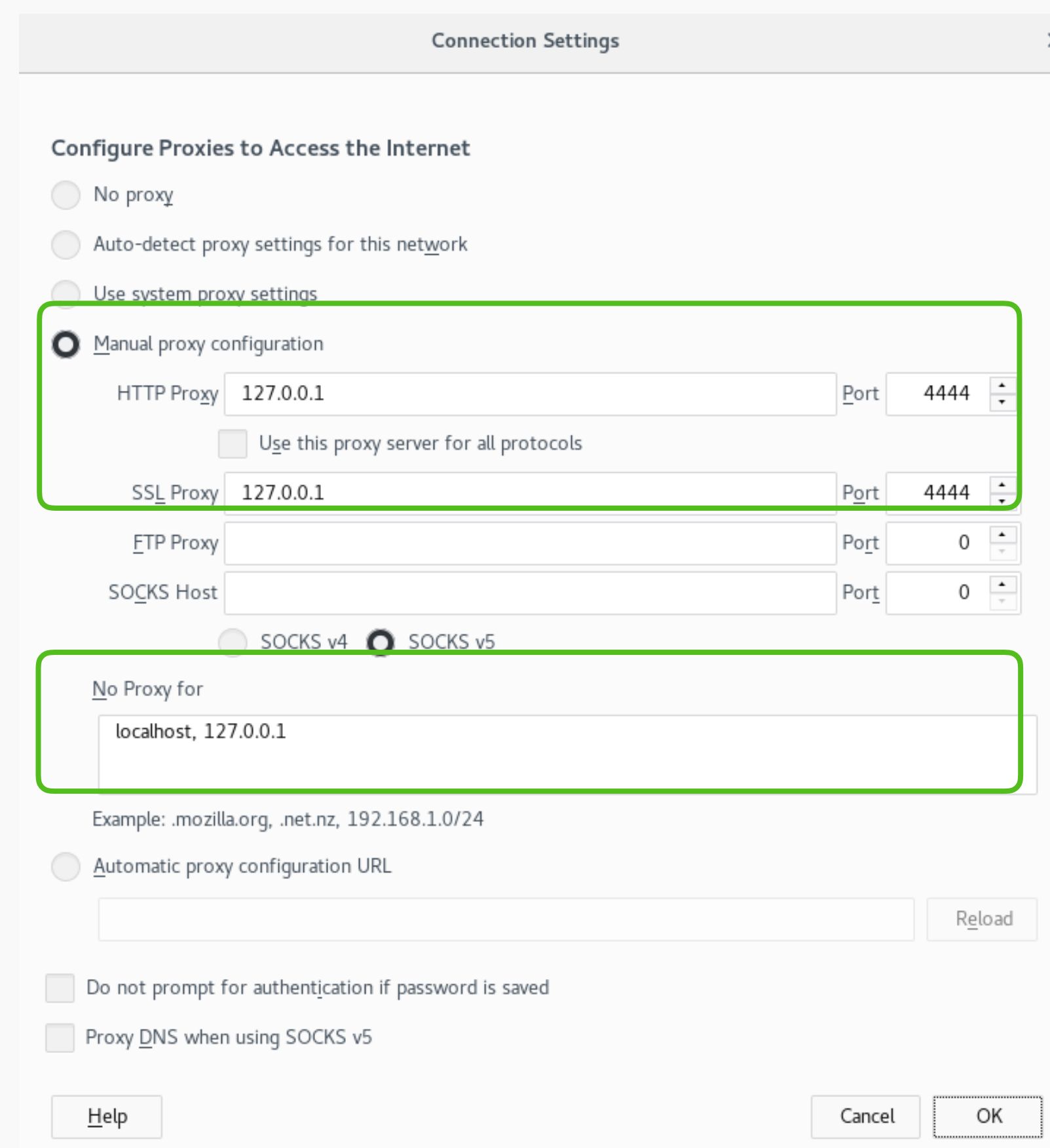
New screenshots

3 Finally, go to the address *about:config* and find the property media.peerConnection.ice.proxy_only. Ensure that this setting is True.

Tool tip for warning

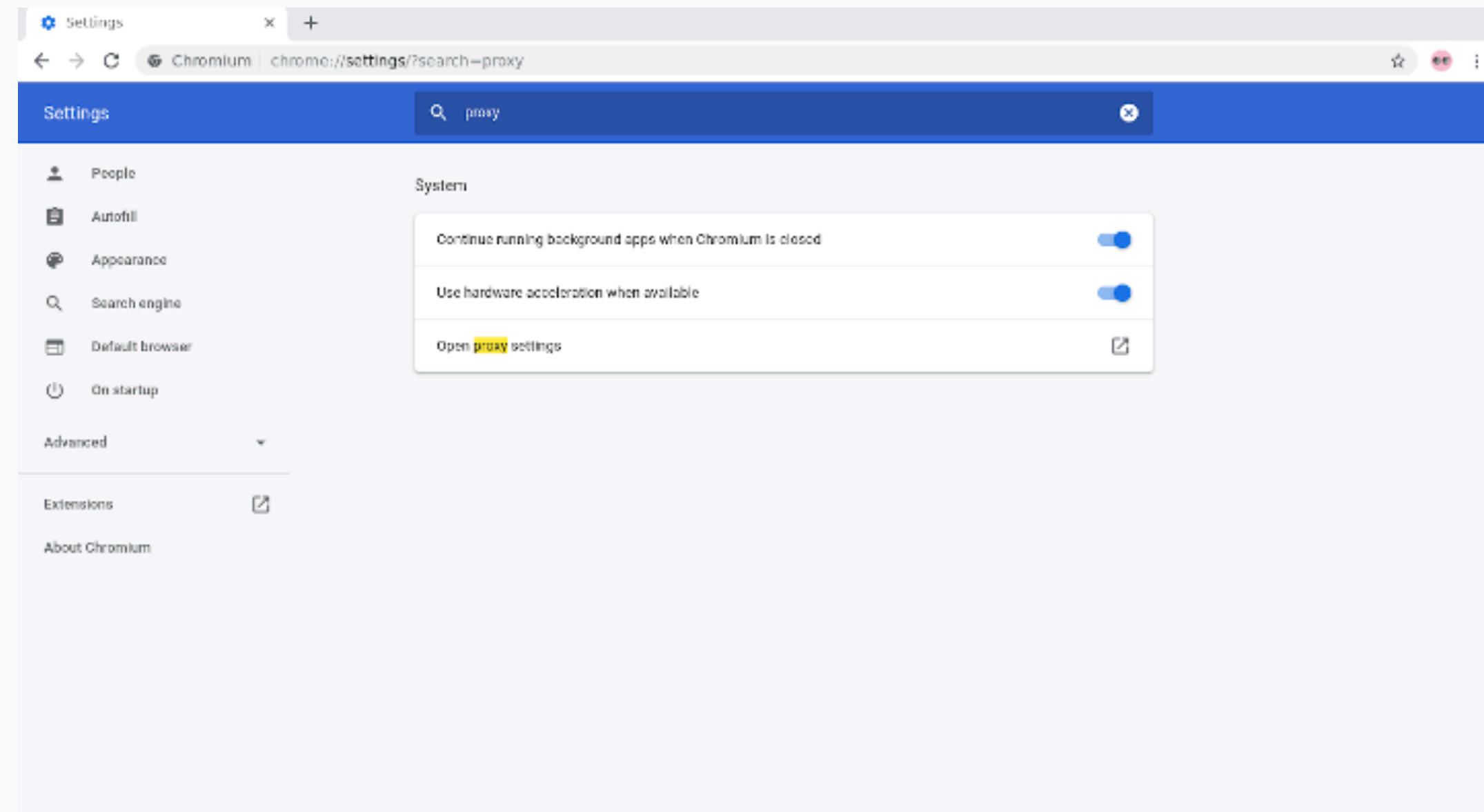**You've completed the configuration and all required steps for I2P Installation!**

What's Next?
Get to Know I2P Software
Get Involved and Contribute

Configuring Your I2P Network Connections

Browser Configuration for Chrome

1 Chromium-Based Browsers like Chrome have slightly different places for their proxy settings depending on variant and platform. These instructions may be slightly different in Brave or Iridium, for instance. From the *Main* menu, navigate to the *Settings*, and search for the menu item. Clicking it will open the right settings for your platform.

New screenshots

Re-do the steps?

Experimental, Extension-Based Configuration

1 An experimental, partially-automated configuration process for Chrome is available. In order to configure it, create a new *Profile* especially for your I2P browsing, separate from the default profile. Then install this *Extension* in your newly-created profile. This profile is now configured to use I2P. Highly detailed instructions are available at the homepage.

You've completed the configuration and all required steps for I2P Installation!
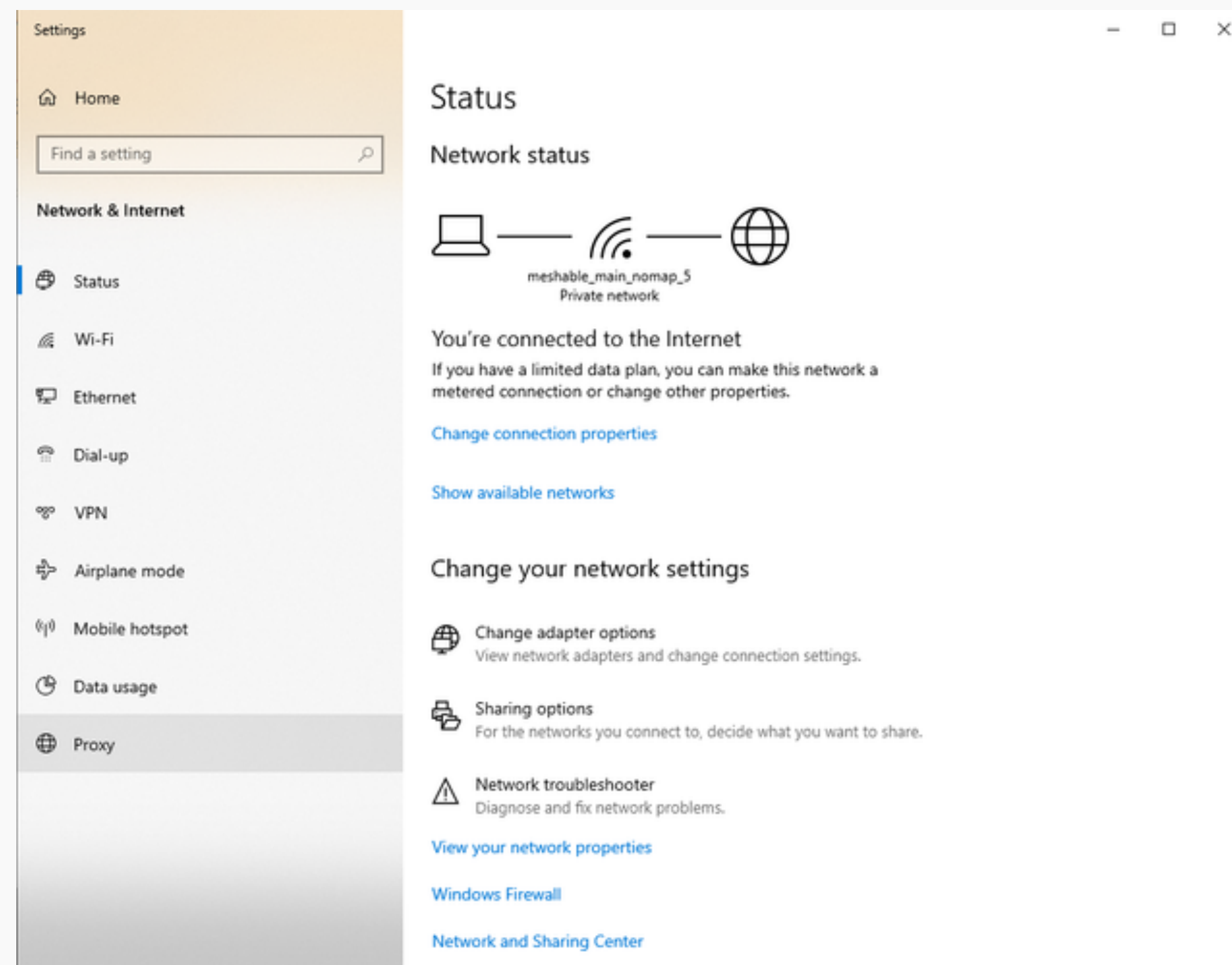
What's Next?
Get to Know I2P Software
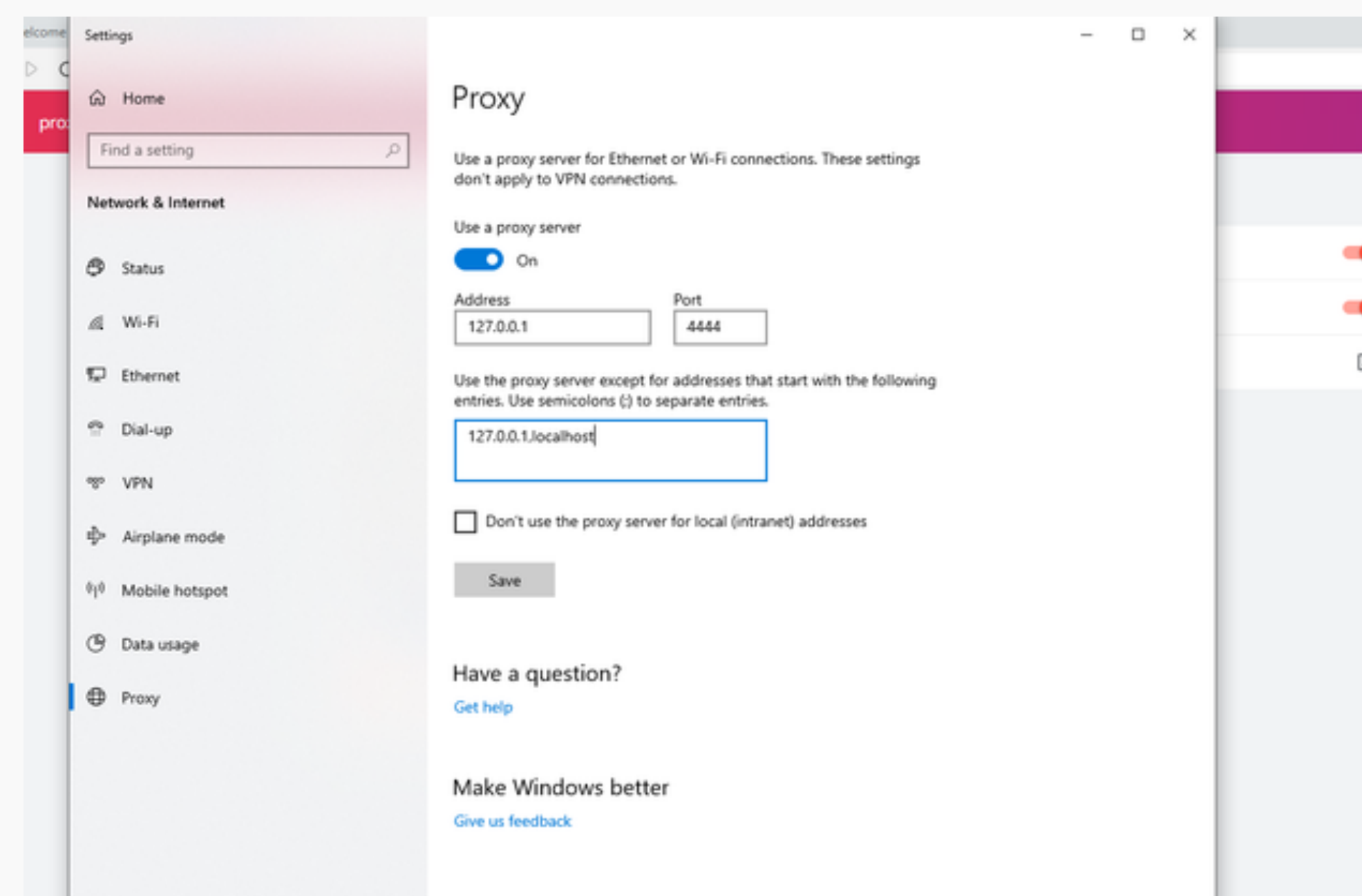Get Involved and Contribute

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Browser Configuration for Internet Explorer 8 and above

1 In the start menu search for the the "Network and Internet Settings" to open the settings. The last entry in the menu is the Proxy Settings, click it to your proxy to connect to I2P.

2 Now set the checkmark at "use a proxy server for your LAN" and at the "Bypass proxy server for local addresses". With a click on Advanced-button you open the window to open the ports. Enter the values like on the picture, IP 127.0.0.1 and port 4444 for HTTP, port 4445 for HTTPS. With clicks on OK you save the settings and your browser is set to use the I2P proxy.

New screenshots

Very long Step 2

You've completed the configuration and all required steps for I2P Installation!

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