Getting Started with I2P

## System Requirements

Windows, Mac, and Linux:
Java is required the run I2P. Download it <u>here</u>.

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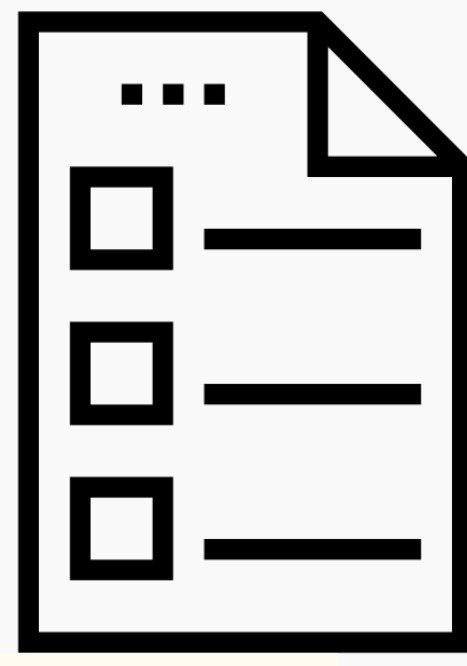
Debian and Ubuntu:
On Debian and Ubuntu when using a .deb package to install, the system will automatically install and configure a Java environment for you.
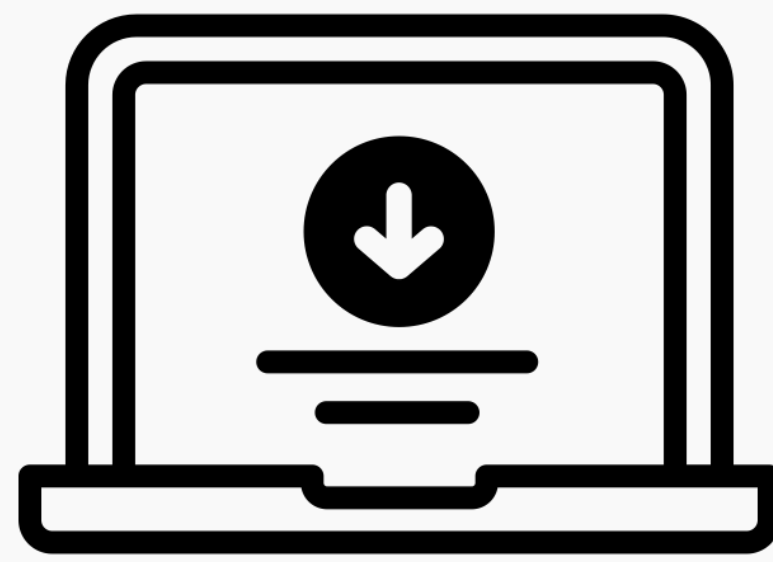
1. Download the Software

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.
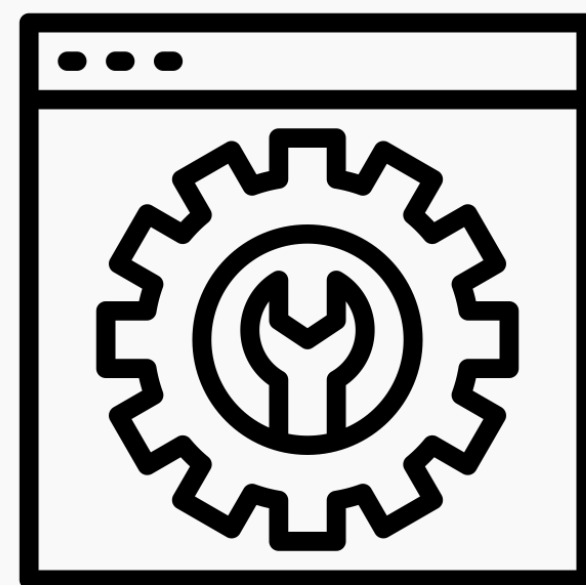
3. Configure your Browser

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.

Get started now

Download I2P

If you'd like to learn more about I2P and how the network runs, stop by the Support page.
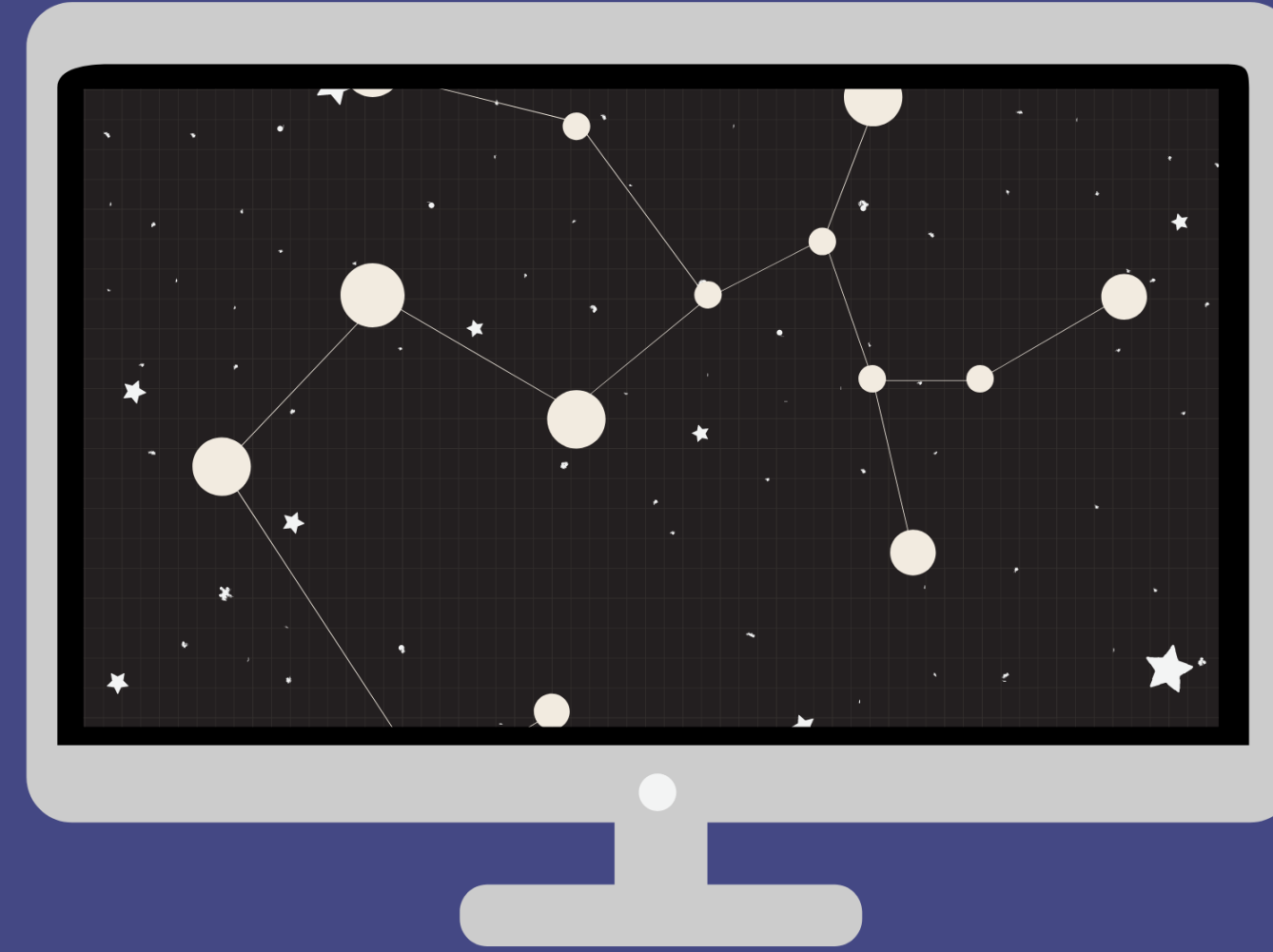
I2P for Mac
Latest version: 0.9.50

⬇ **Download I2P**

☕ Java is required run I2P

| select alternate mirror | verify signature |

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

| 🪟 Windows | 🍎 Mac | 🐧 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.

Additional Resources

Troubleshooting
Tour I2P
Support

Troubleshooting

Common Issues:

I get an error when I try to download I2P? Make sure you have downloaded Java.

I get a message that says "Unidentified Developer". Mac says this because … go ahead and click proceed.

Troubleshooting Qs specific to installing

DMG Bundle (beta) section?

Outside I2P download

use buttons like Mullvad?

No alt mirror button

I2P for Android
Latest version: 0.9.50

⬇ Download I2P for F-Droid

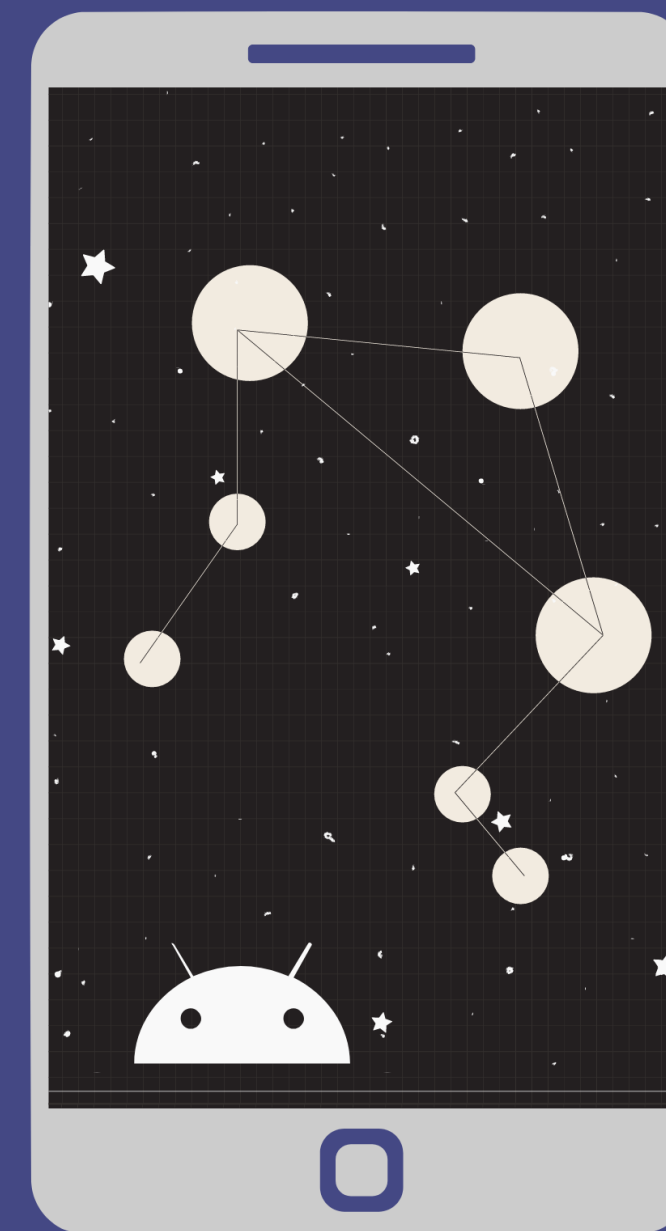⬇ Download I2P for Google Play

select alternate mirror   verify signature

What is this?

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What is this?

Windows   Mac   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.

Additional Resources

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Tour I2P
Support

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

Troubleshooting

Common Issues:

I get an error when I try to download I2P? Make sure you have downloaded Java.

I get a message that says "Unidentified Developer". Mac says this because … go ahead and click proceed.
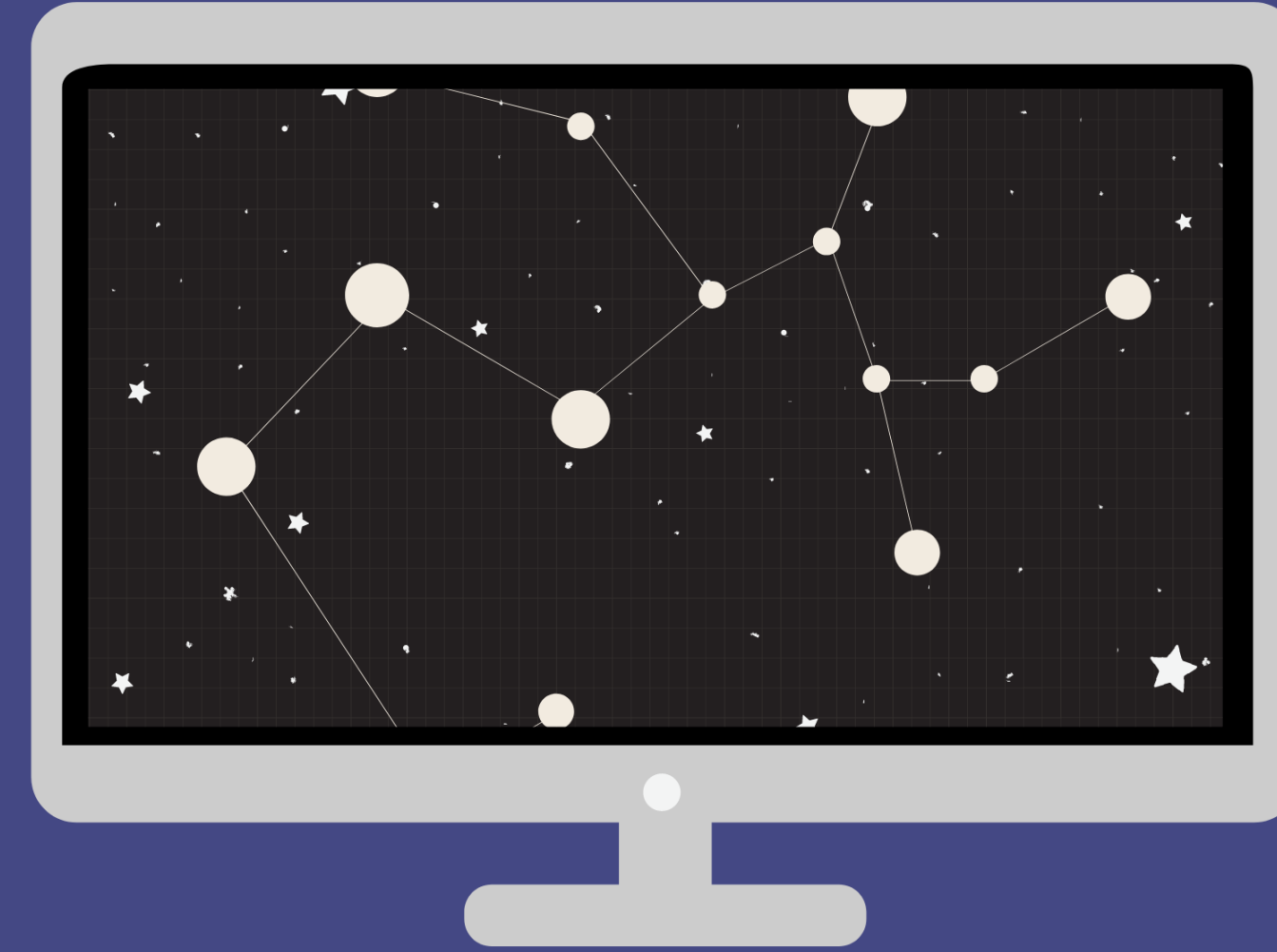
I2P for Linux
Latest version: 0.9.50

⬇ Download I2P

select alternate mirror   verify signature

What is this?

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

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Debian and Ubuntu

Debian and ubuntu on Linux page

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.

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

Instructions for Debian

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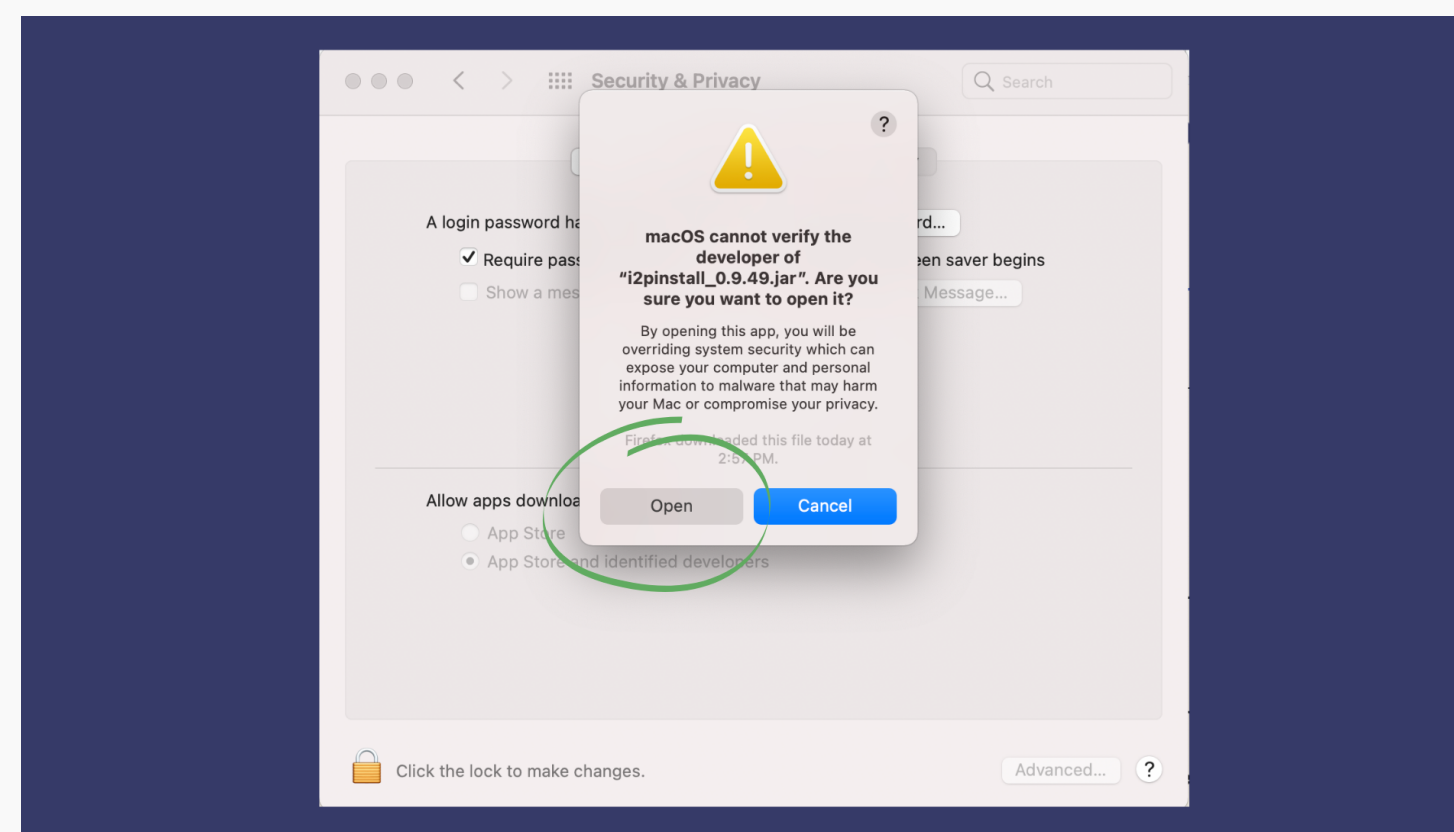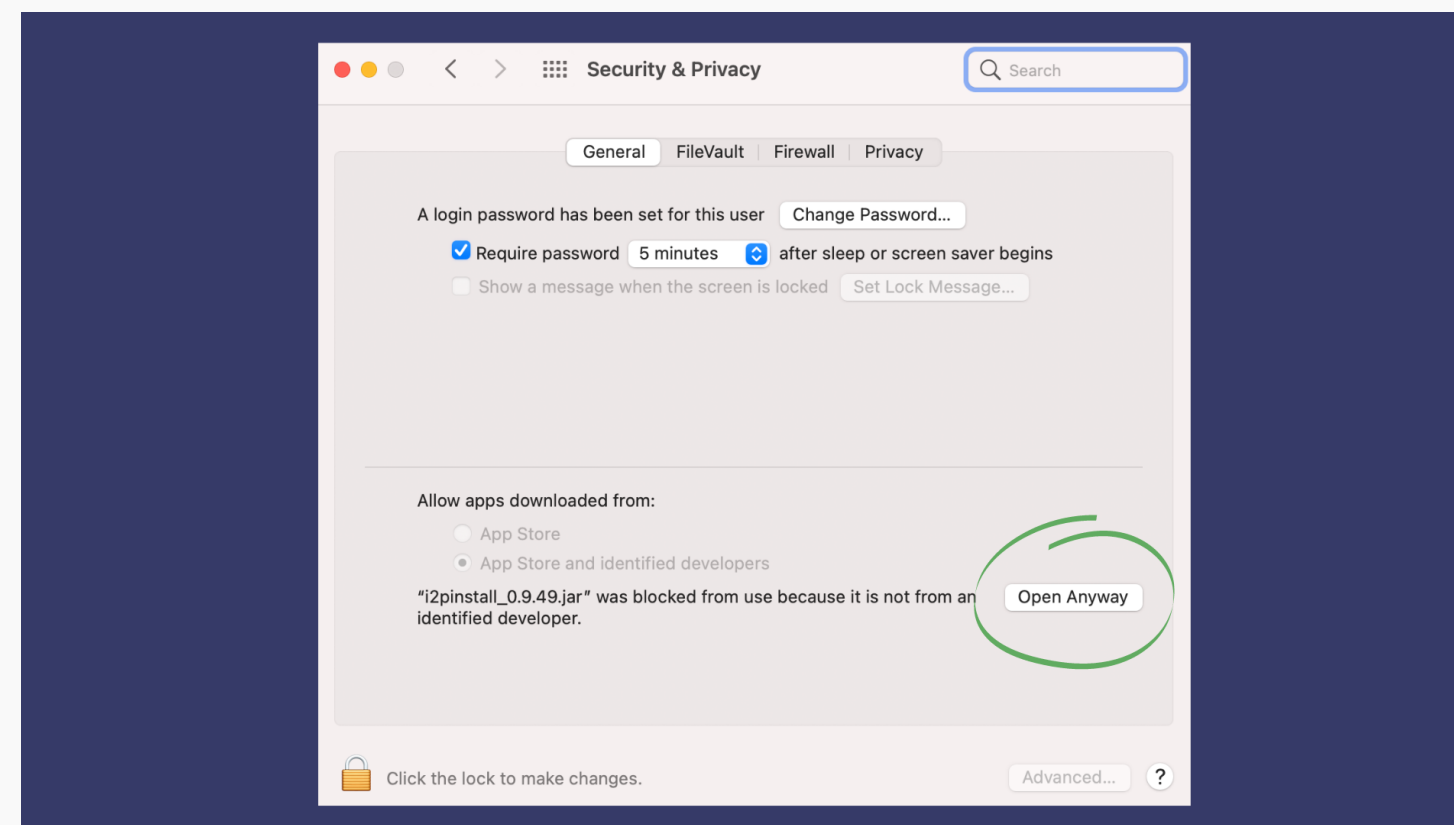
Adding the PPA Using Synaptic

Installation Instructions for Mac OS

I2P Installation

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

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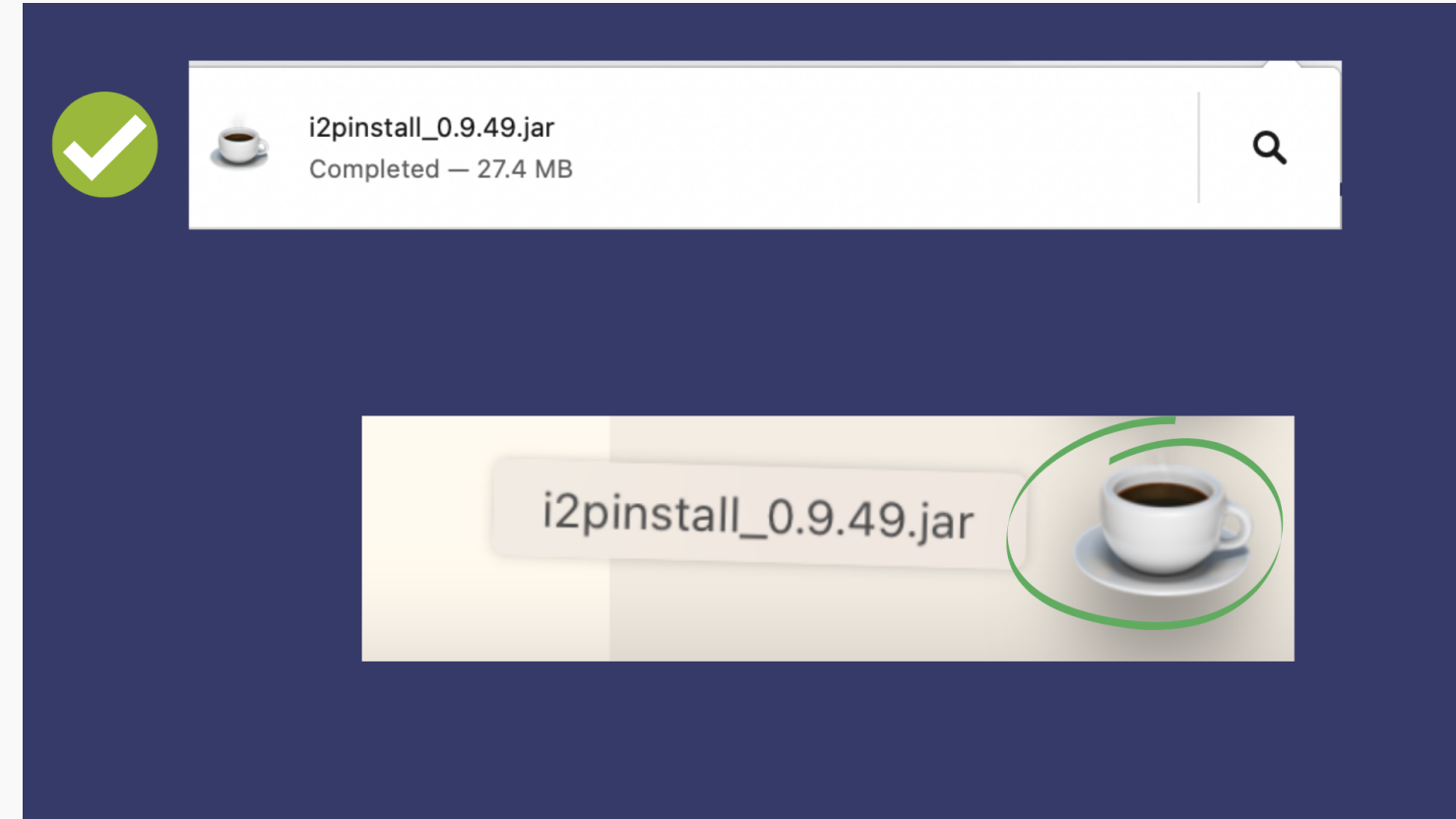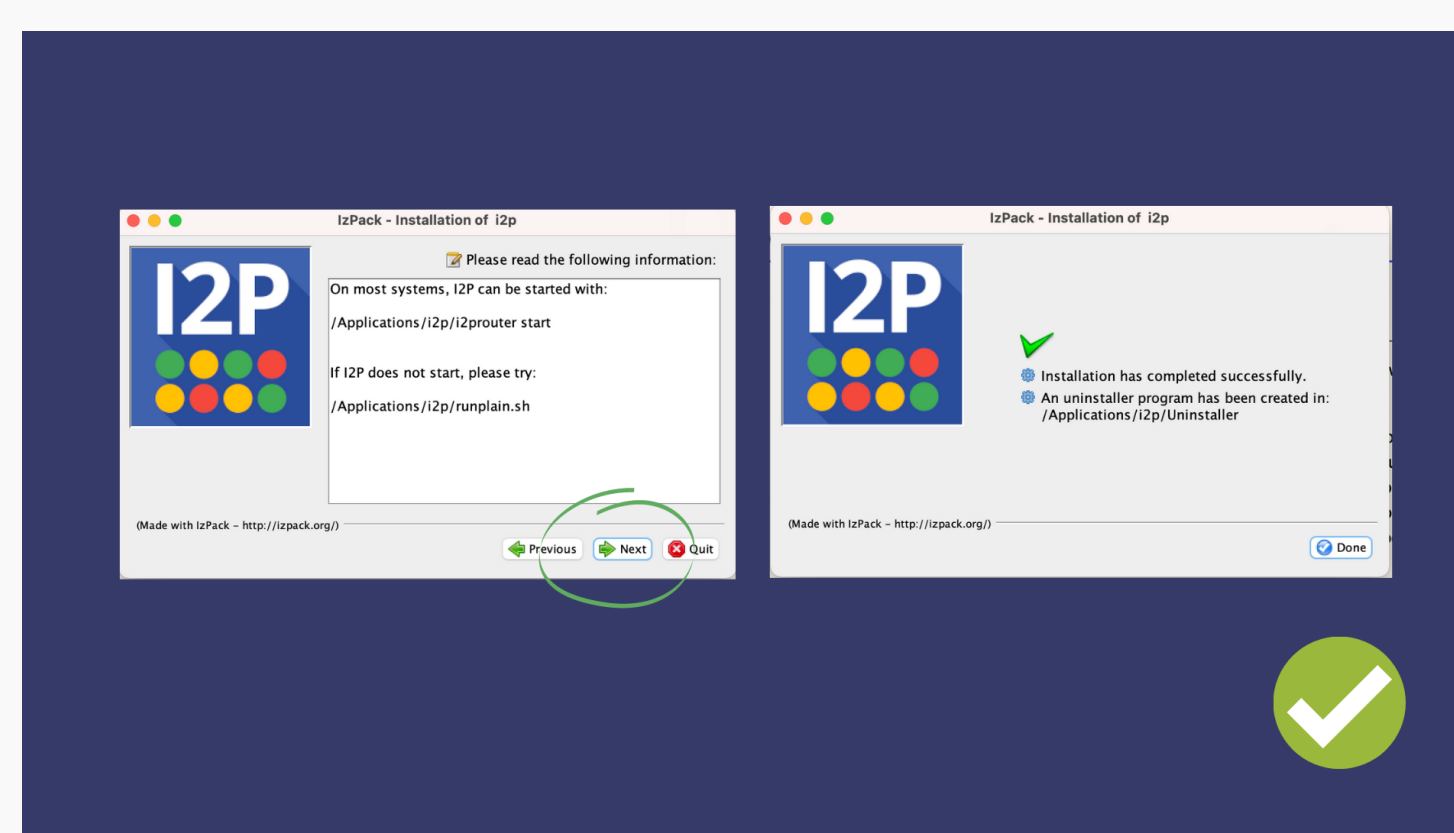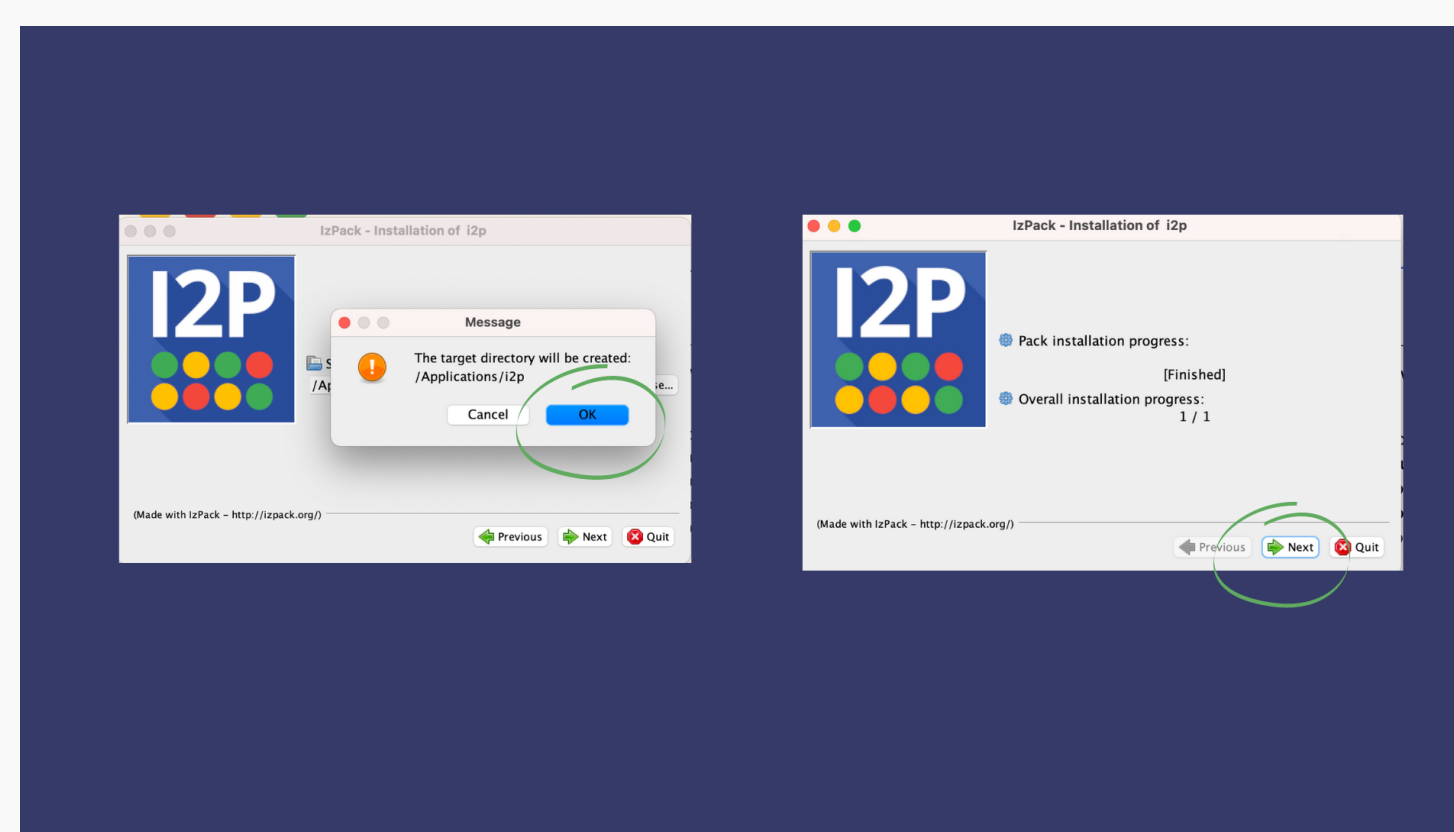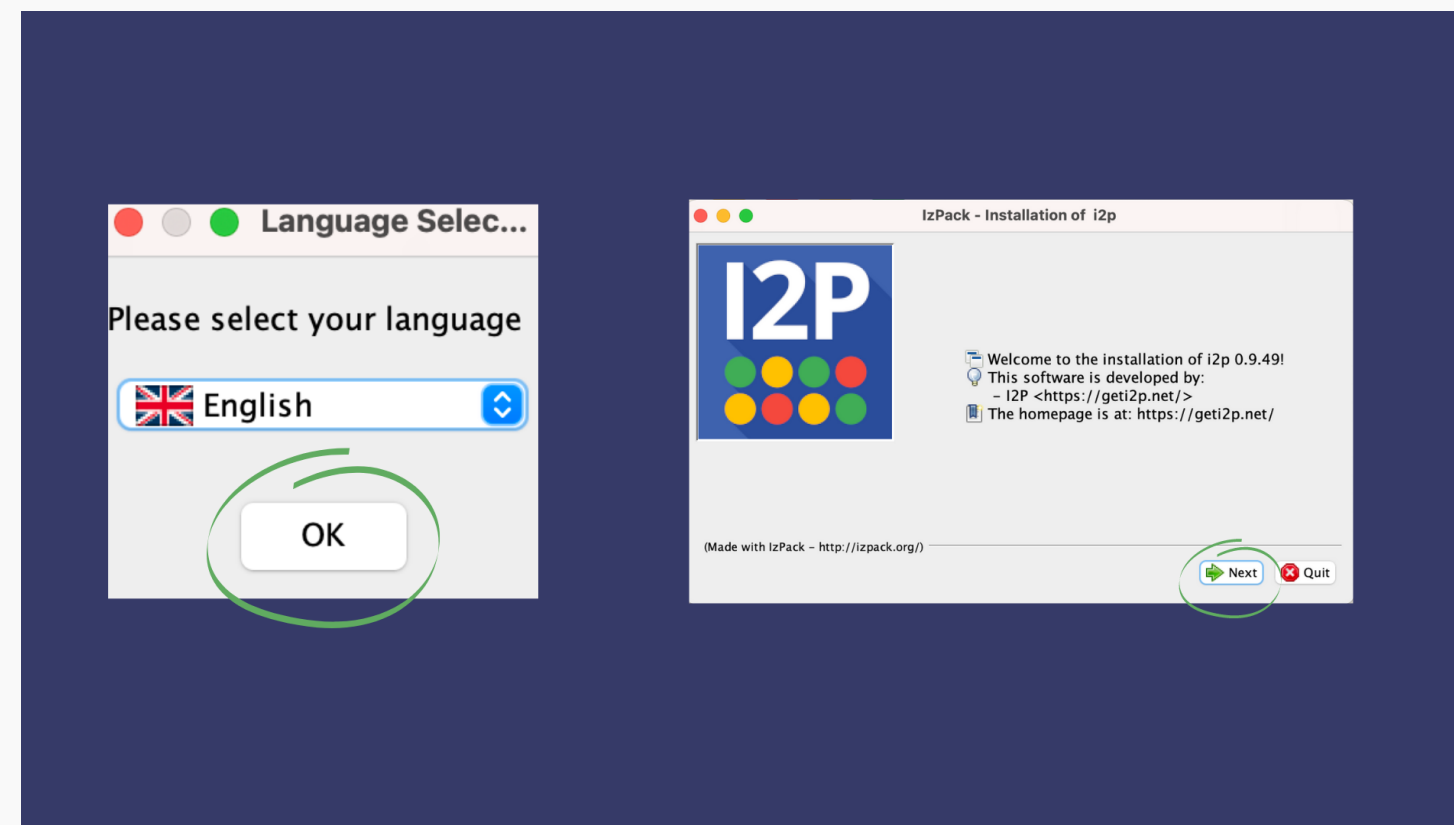

3️⃣ Mac will ask you to allow permissions to open the file.

Might seem scary, add tool tip

4️⃣ Follow the steps for installation.

I2P

Launching I2P

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

2 Locate Start I2P Router.

3 Drag the icon into your dock.

Wizard Walk-through

1 The wizard was created for a few reasons. One, to choose your router console language, the next to test and set your bandwidth for network participation, and finally, to allow your I2P network connection to get started so that you have some peers ready for you when it is done. Follow the prompts!

For the bandwidth settings, the software has good default sharing percentages in place, so no need to worry about picking the right amount. You can also adjust this later.
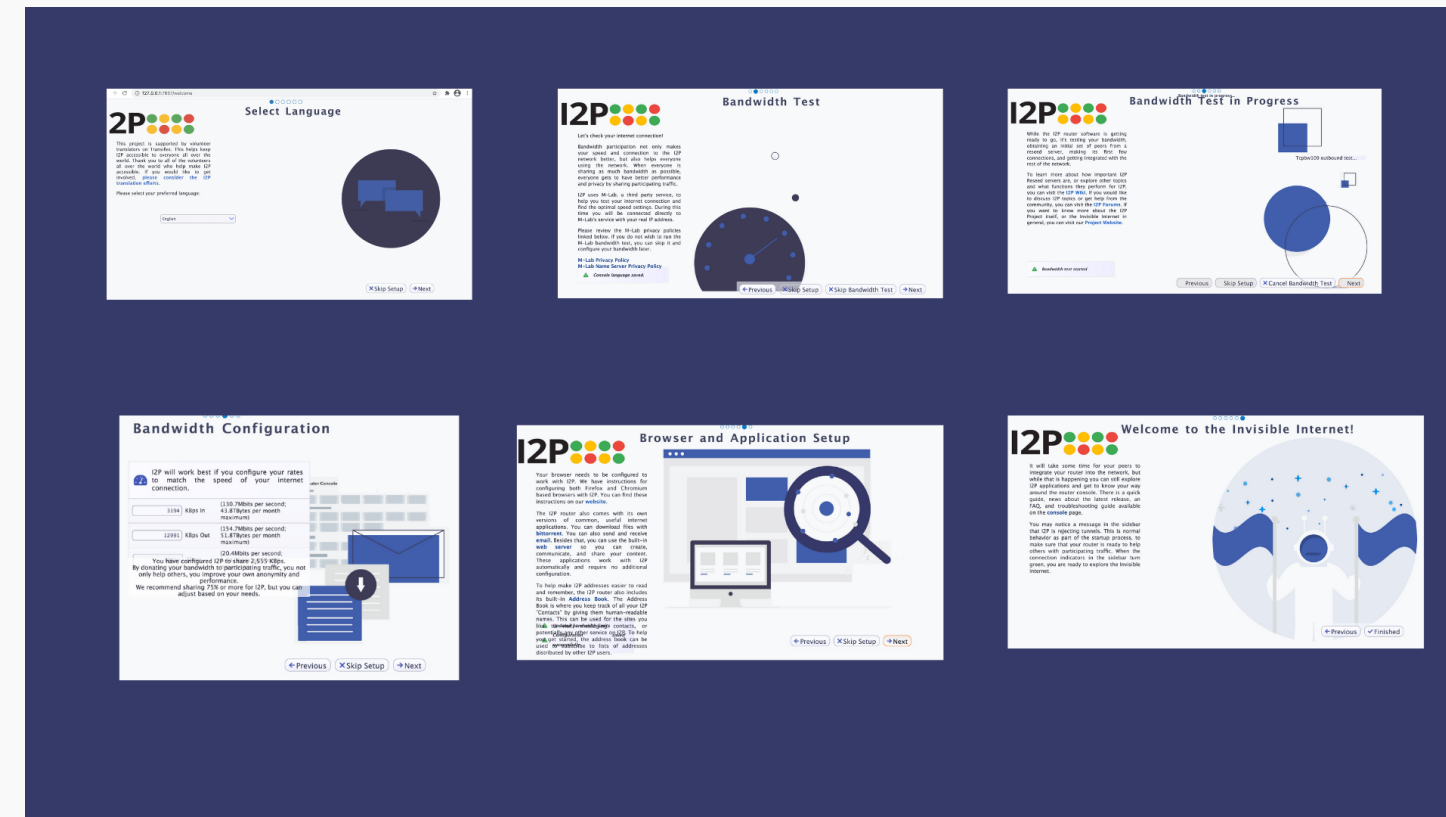
2 The router console will look like this.
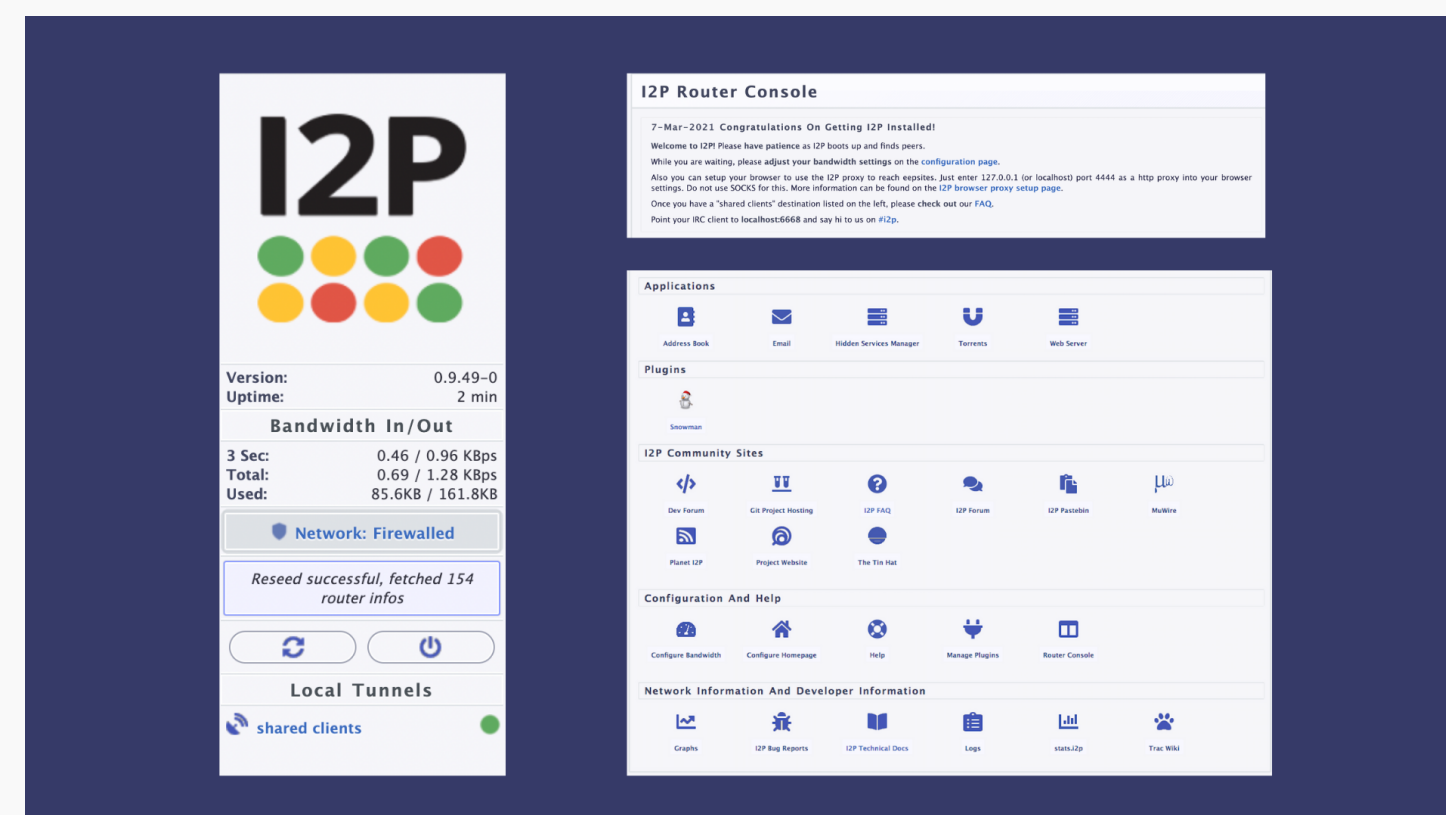
3 You've completed the installation process! You must configure your browser in order to use I2P. Choose your browser below for instructions.

- Firefox
- Chrome
- Android
- Internet Explorer 8

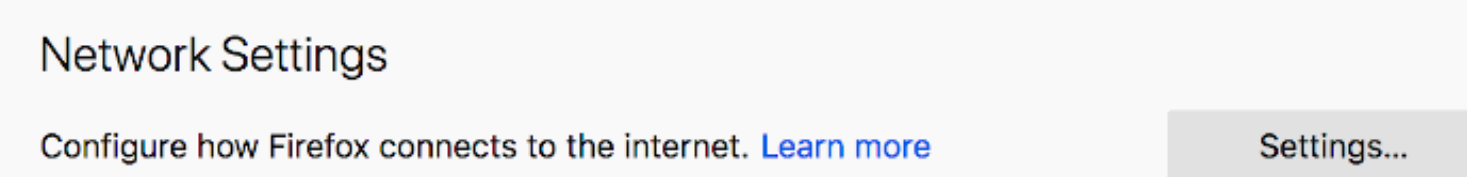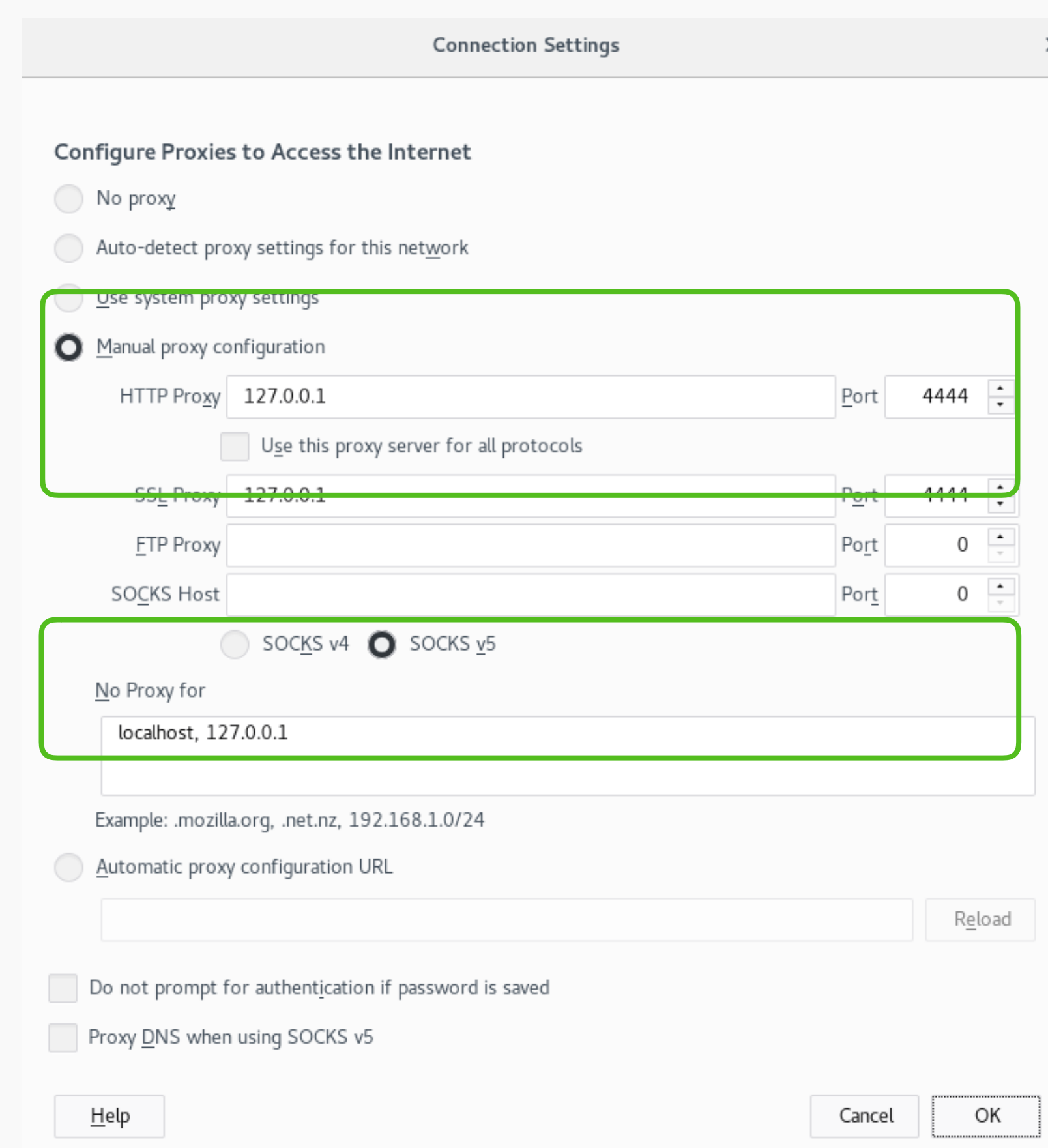# Configuring Your I2P Network Connections

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*

Network Settings

Configure how Firefox connects to the internet. Learn more   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.

Connection Settings   ✕

Configure Proxies to Access the Internet
○ No proxy
○ Auto-detect proxy settings for this network
○ Use system proxy settings
● Manual proxy configuration
    HTTP Proxy 127.0.0.1   Port 4444
        ☐ Use this proxy server for all protocols
    SSL Proxy   127.0.0.1   Port 4444
    FTP Proxy   Port 0
    SOCKS Host   Port 0
        ○ SOCKS v4 ● SOCKS v5
    No Proxy for
    localhost, 127.0.0.1

    Example: .mozilla.org, .net.nz, 192.168.1.0/24
○ Automatic proxy configuration URL
                                                 Reload
☐ Do not prompt for authentication if password is saved
☐ Proxy DNS when using SOCKS v5

Help   Cancel   OK

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

🔍 peerConnection.ice.proxy

media.peerconnection.ice.proxy_only   true   ⇄ ↩
media.peerconnection.ice.proxy_only_if_behind_proxy   false   ⇄

peerConnection.ice.proxy   ● Boolean ○ Number ○ String   +
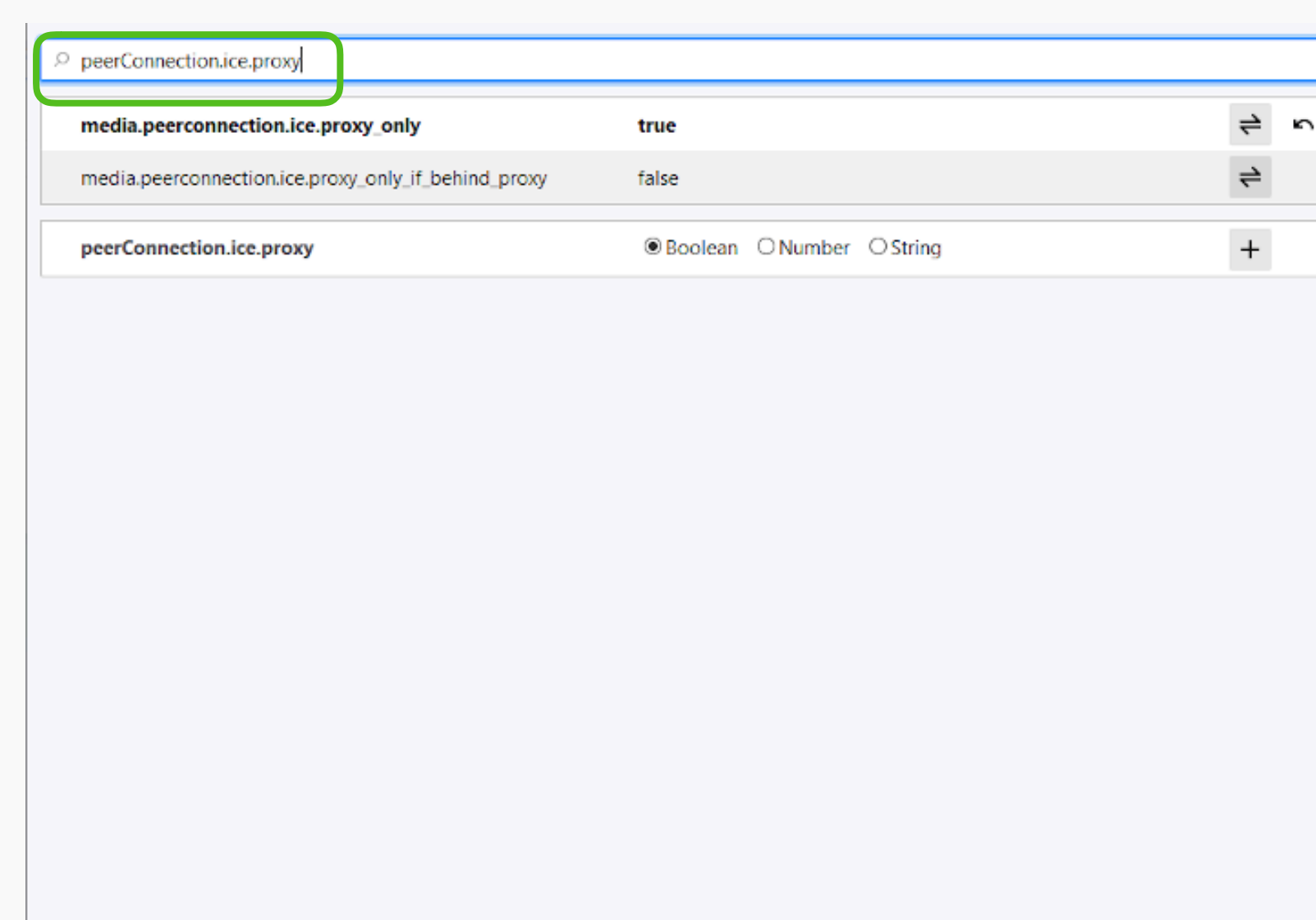
4 **You've completed the configuration and all required steps for I2P Installation!**

What's Next?
How to Use I2P
Resources
Tutorials