# Welcome to the Invisible Internet

The Invisible Internet is a privacy by design, people-powered network. It is a truly free and anonymizing Internet alternative. Get I2P.

Get Started

## What is I2P?

The Invisible Internet Project (I2P) is a fully encrypted private network layer. It protects your activity and location. Every day people use the network to connect with people without worry of being tracked or their data being collected. In some cases people rely on the network when they need to be discrete or are doing sensitive work.

## I2P Cares About Privacy

I2P hides the server from the user and the user from the server. All I2P traffic is internal to the I2P network. Traffic inside I2P does not interact with the Internet directly. It is a layer on top of the Internet. It uses encrypted unidirectional tunnels between you and your peers. No one can see where traffic is coming from, where it is going, or what the contents are. Additionally I2P offers resistance to pattern recognition and blocking by censors. Because the network relies on peers to route traffic, location blocking is also reduced

## Peer-to-Peer

The network is people powered . Peers make a portion of their resources, particularly bandwidth, available to other network participants. This allows the network to function with relying on centralized servers. **Learn more about the Protocol Stack.**

## Privacy and Security By Design

I2P has created transport protocols that resist DPI censorship, and continuously improves its end to end encryption. **Read the I2P Transport Overview.**

## Built For Communication

I2P has an application layer with easy to use **APIs for creating your own privacy - aware apps.**

## News & Updates

2021-05-17 - **0.9.50 Release**

2021-02-17 - **0.9.49 Release**

2020-12-10 - **Hello Git, Goodbye Monotone**

2020-11-30 - **0.9.48 Release**

2020-08-24 - **0.9.47 Release**

2020-06-07 - **Help your Friends Join I2P by Sharing Reseed Bundles**

2020-05-25 - **0.9.46 Release**

2020-03-18 - **Using a git bundle to fetch the I2P source code**

***More blog posts…***

# Getting Started with I2P

The Invisible Internet Project (I2P) is a fully encrypted private network layer. It protects your activity and location. Every day people use the network to connect with people without worry of being tracked or their data being collected. In some cases people rely on the network when they need to be discrete or are doing sensitive work.

## Basic Steps

### 1 Download

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

Download

### 2 Installation

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

Install

### 3 Configuration

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

Configure

**Step 1: Download**

Windows
Mac OS X
GNU / Linux / BSD / Solaris
Android
Debian / Ubuntu
Docker

## I2P for Windows

Latest version: 0.9.50.jar

Download Java to run I2P

Download I2P

select alternate mirror sig

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

## I2P for Mac OS X

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select alternate mirror sig

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## I2P for Linux

Latest version: 0.9.50.jar

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**Step 1: Download**

Windows
Mac OS X
GNU / Linux / BSD / Solaris
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Docker

## I2P for Windows

Latest version: 0.9.50.jar

1 Download Java to run I2P

2 Download I2P

User said having step 1 & 2 makes it more obvious what you have to do, otherwise they might still skip Java and click green button. UI doesn't look so good to me.

select alternate mirror sig

What is this?

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What is this?

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What is this?

## I2P for Android

Latest version: 0.9.50.jar

Google Play

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.

Outside I2P

Google Play

F-Droid

select alternate mirror sig

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

## I2P for Debian and Ubuntu

Latest version: 0.9.50.jar

Google Play

I2P is available in the official repositories for Ubuntu Bionic 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.

Download Package

## I2P for Docker

Latest version: 0.9.50.jar

Google Play

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
```

User liked having all the steps shown. Helps them plan ahead what they need to do later on. Easy to navigate back to pages.

Just realized that having the Step 2: Installation doesn't make sense because it depends on what OS guide the user chooses on the post-download page. It could link to that page but not the current Mac install guide.

select alternate mirror sig

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

## I2P for Android

Latest version: 0.9.50.jar

Google Play

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.

Outside I2P

Google Play

F-Droid

select alternate mirror sig

What is this?

SHA256:
34902d2a7e678fda9261d489ab31566

What is this?

## I2P for Debien and Ubuntu

Latest version: 0.9.50.jar

Google Play

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.

Download Package

## I2P for Docker

Latest version: 0.9.50.jar

Google Play

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
```

**Your download will begin shortly. If it doesn't start within 5 seconds, click here.**

Once your download is complete, you can view the complete installation process by choosing the guide for your operating system.

Choose your guide:

| | | |
|---|---|---|
| Mac OS Instructions | Linux Instructions | Docker Instructions |
| Windows Instructions | Android Instructions | Debian and Ubuntu Instructions |

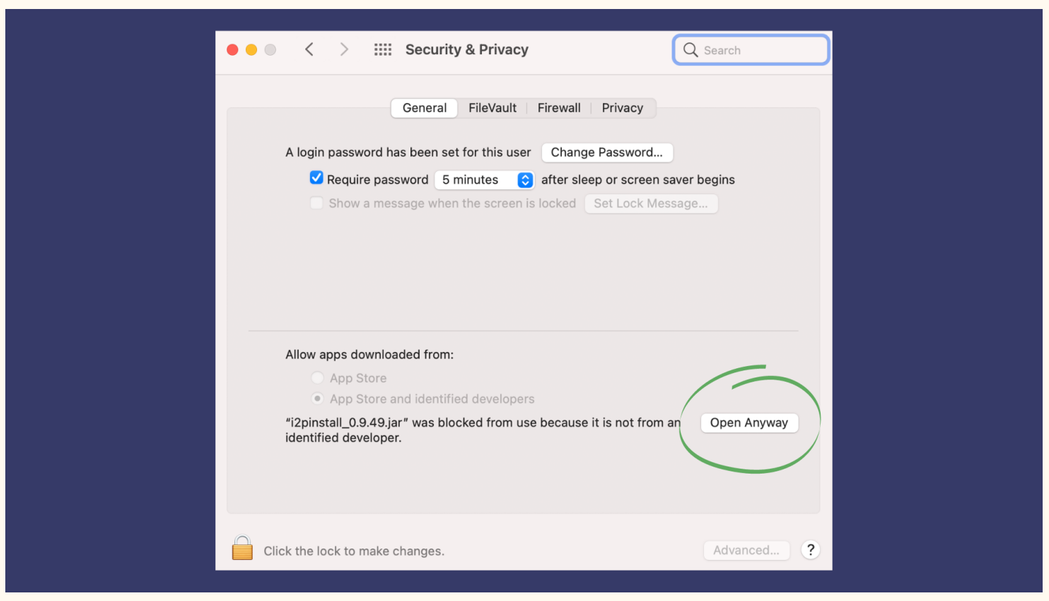
# Installation Instructions for Mac OS

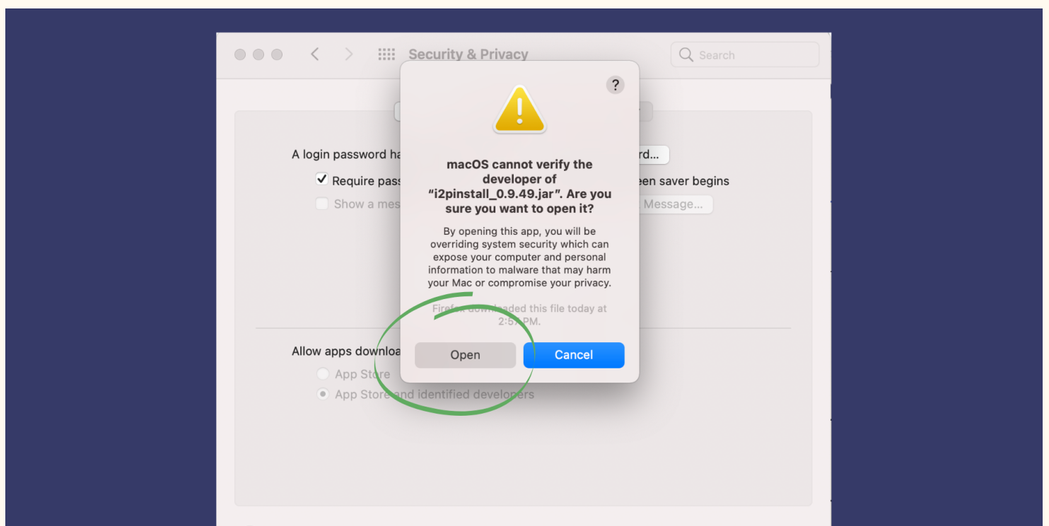
## I2P Installation

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

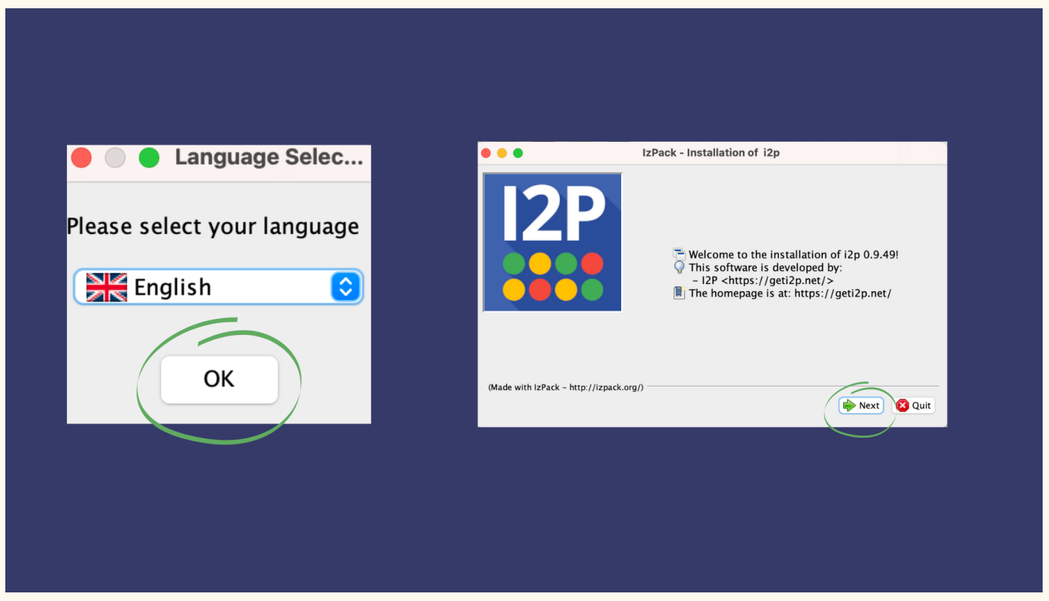
2. Open the .jar file. Notice the coffee cup icon, which means it can be opened since Java is installed.


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



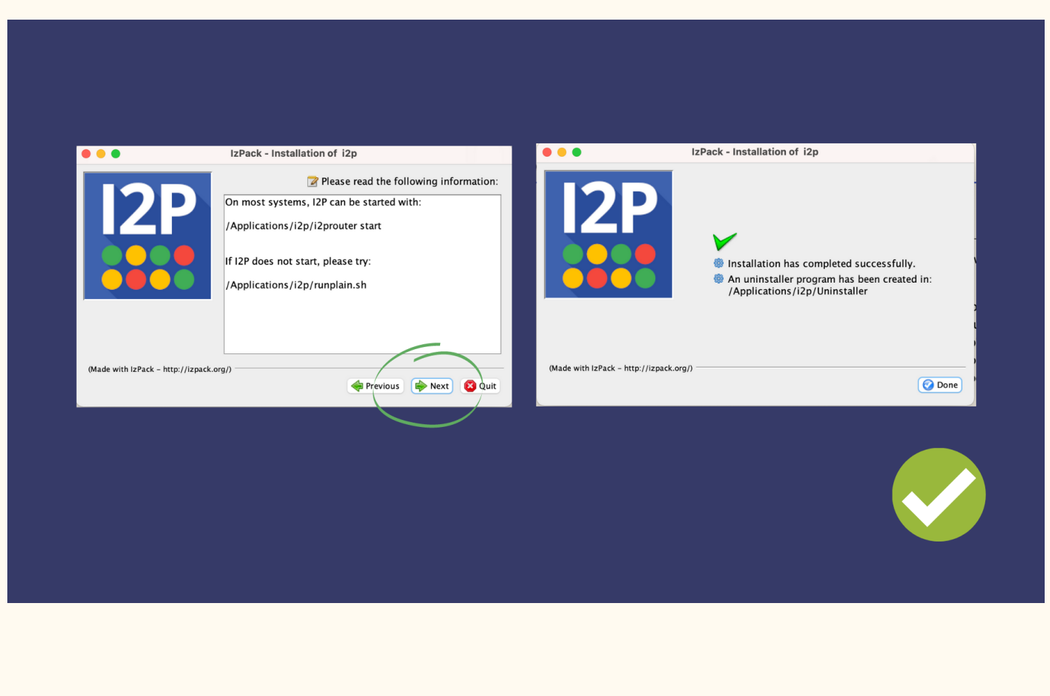




4. Follow the steps for installation.



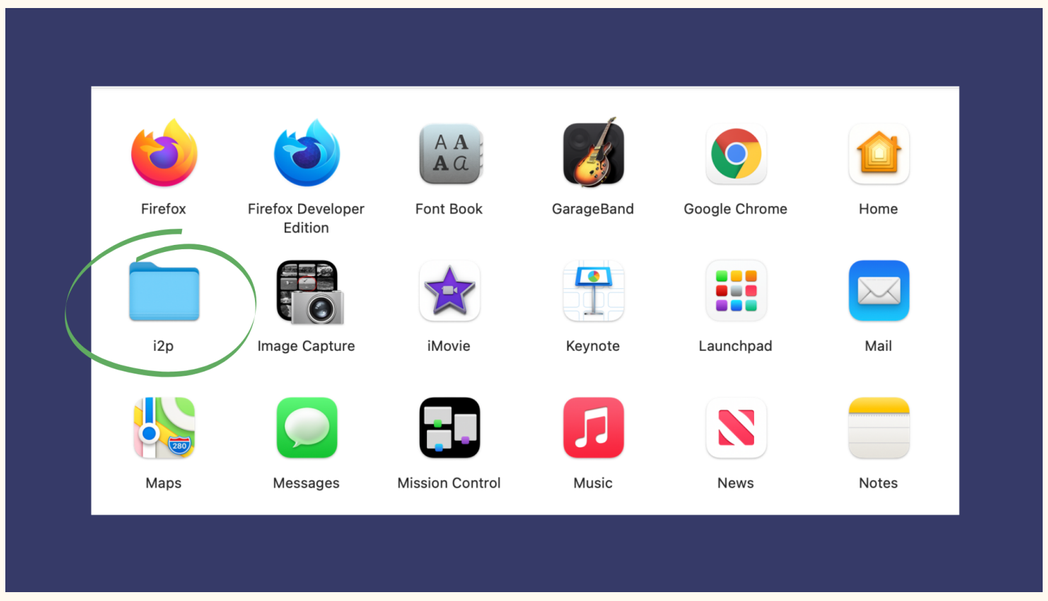


Cleaned up the side menu bar. Made the instructions clearer, removed the Java error and Java download steps. Added numbers for the steps.

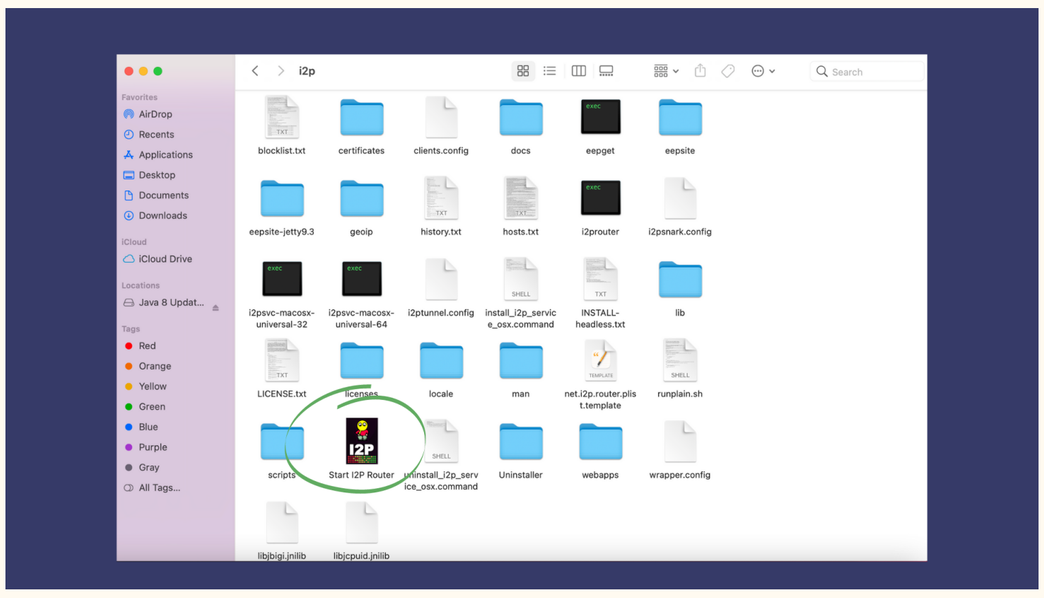




## Launching I2P

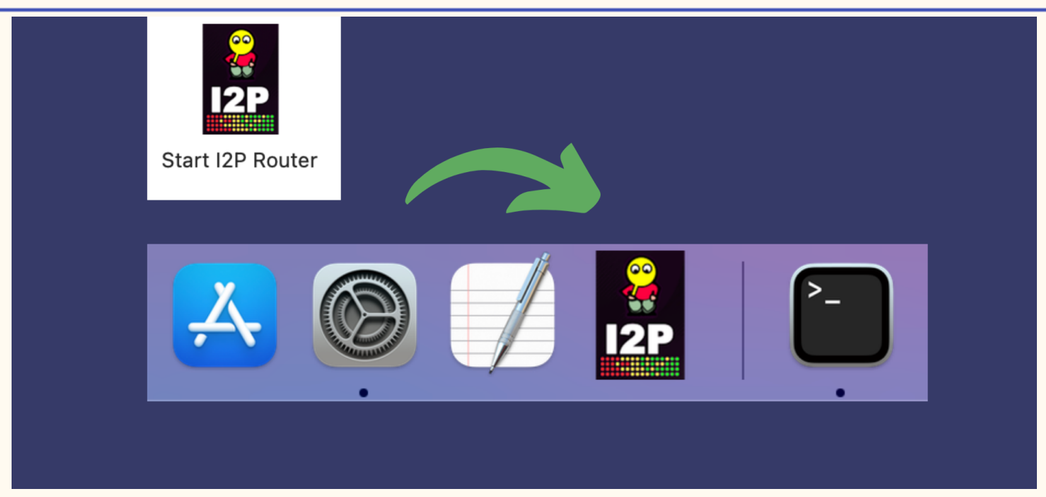
1. Go to Finder, and open your Applications to locate the I2P folder.




2. Locate Start I2P Router.



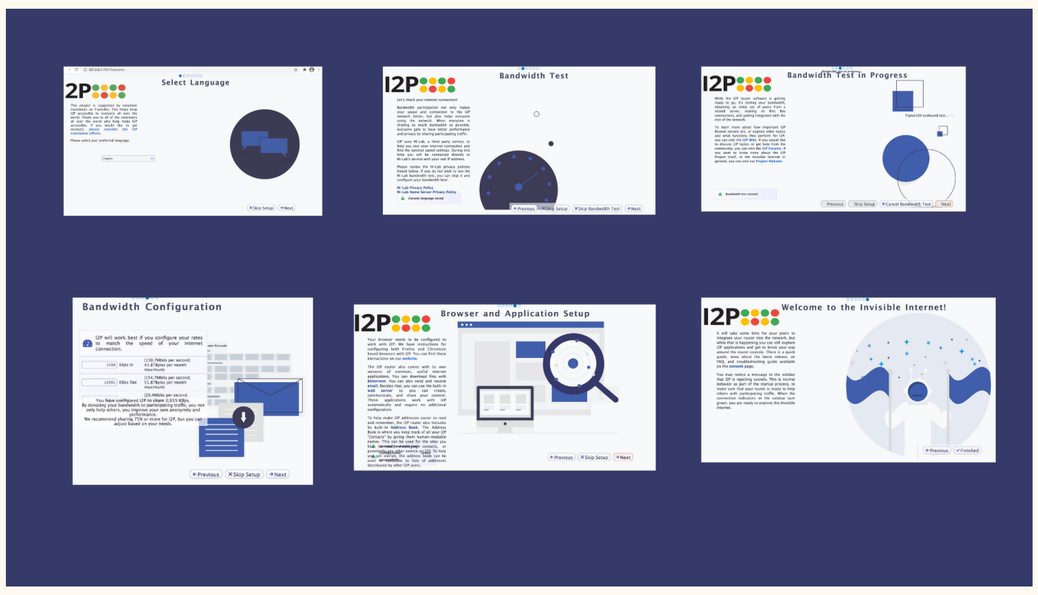

2. Drag the icon into your dock.



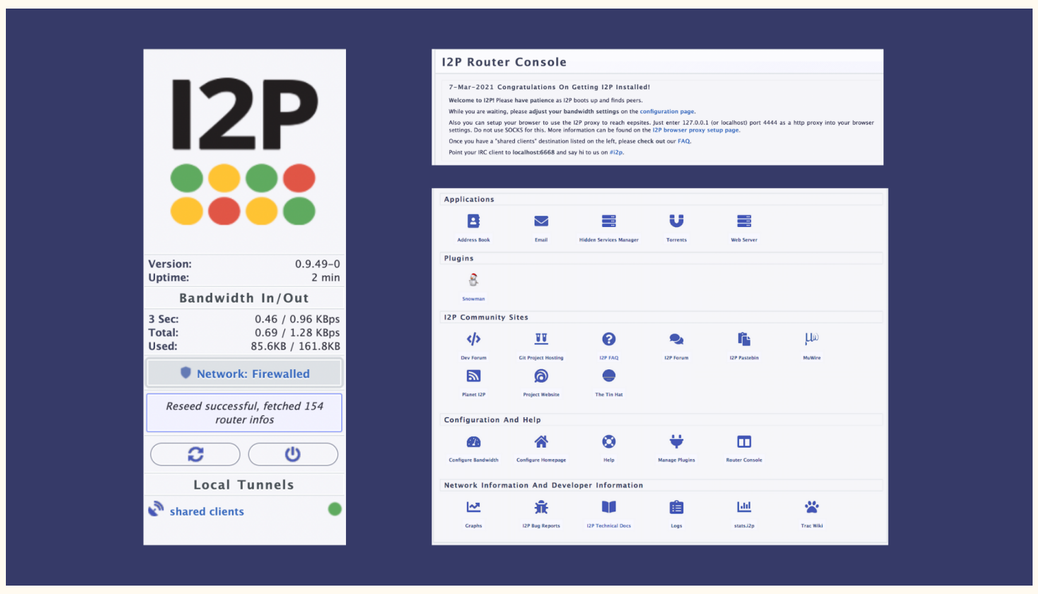

## Wizard Walk-through

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! Proceed to configure your browser.

Configure

# Configuring Your I2P Network Connections

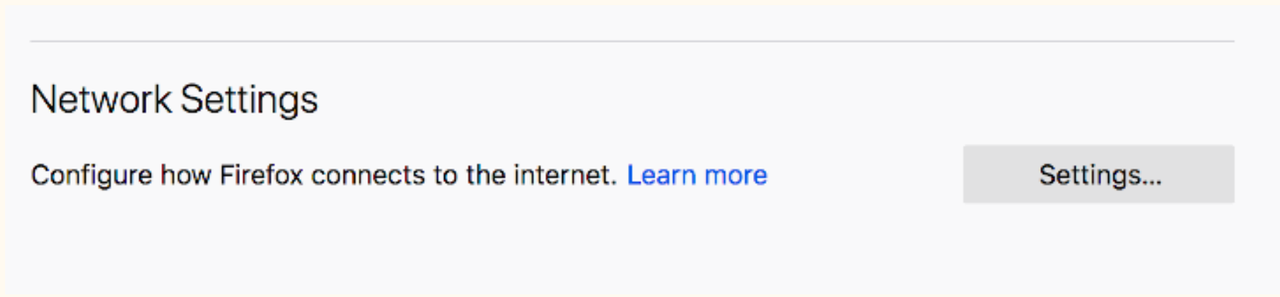
## Browser Configuration

You must configure your browser in order to use I2P. Choose your browser below for instructions.

- Firefox
- Chrome
- Android
- Internet Explorer 8

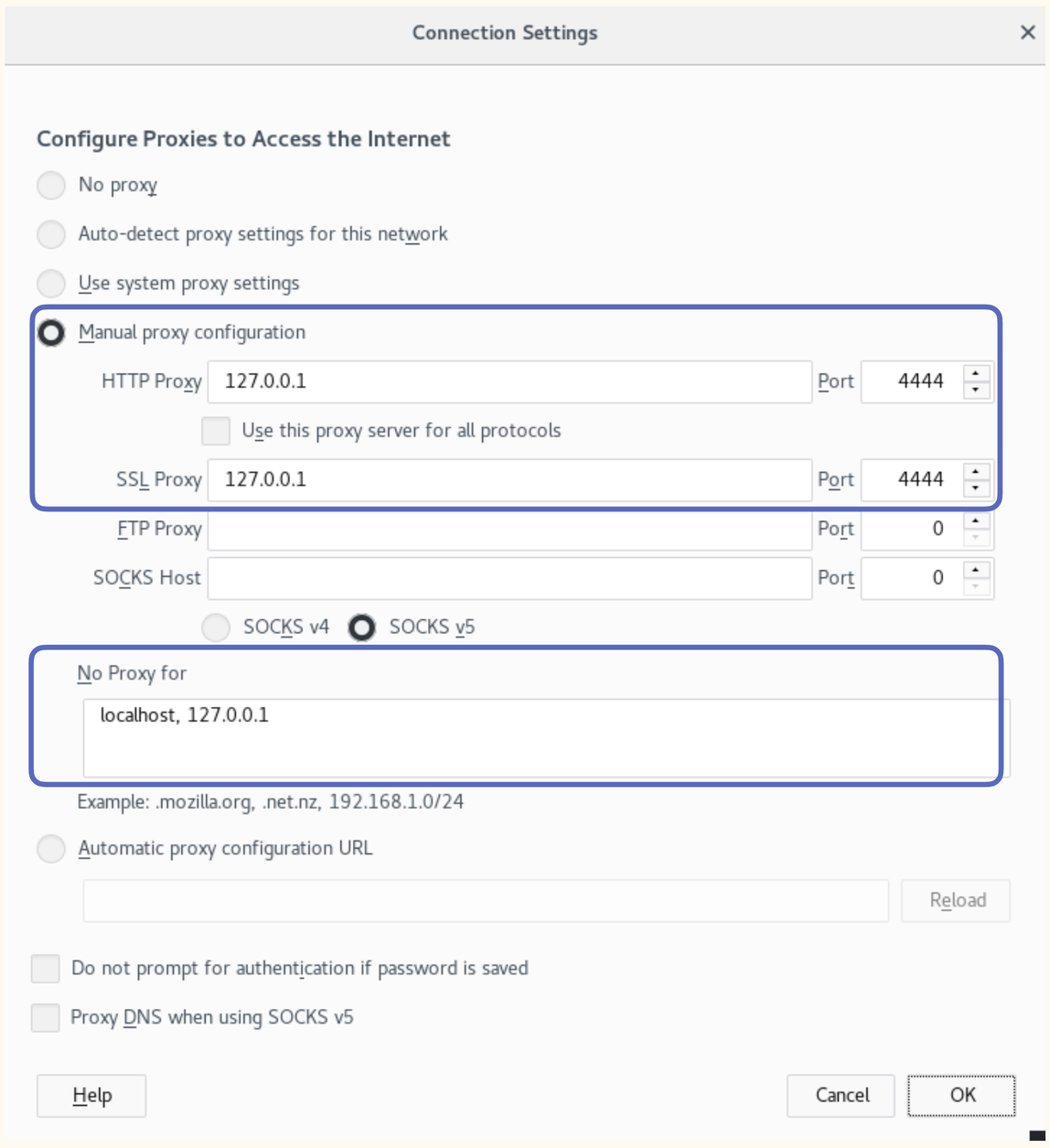
### Instructions for Firefox 57 and above:

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*

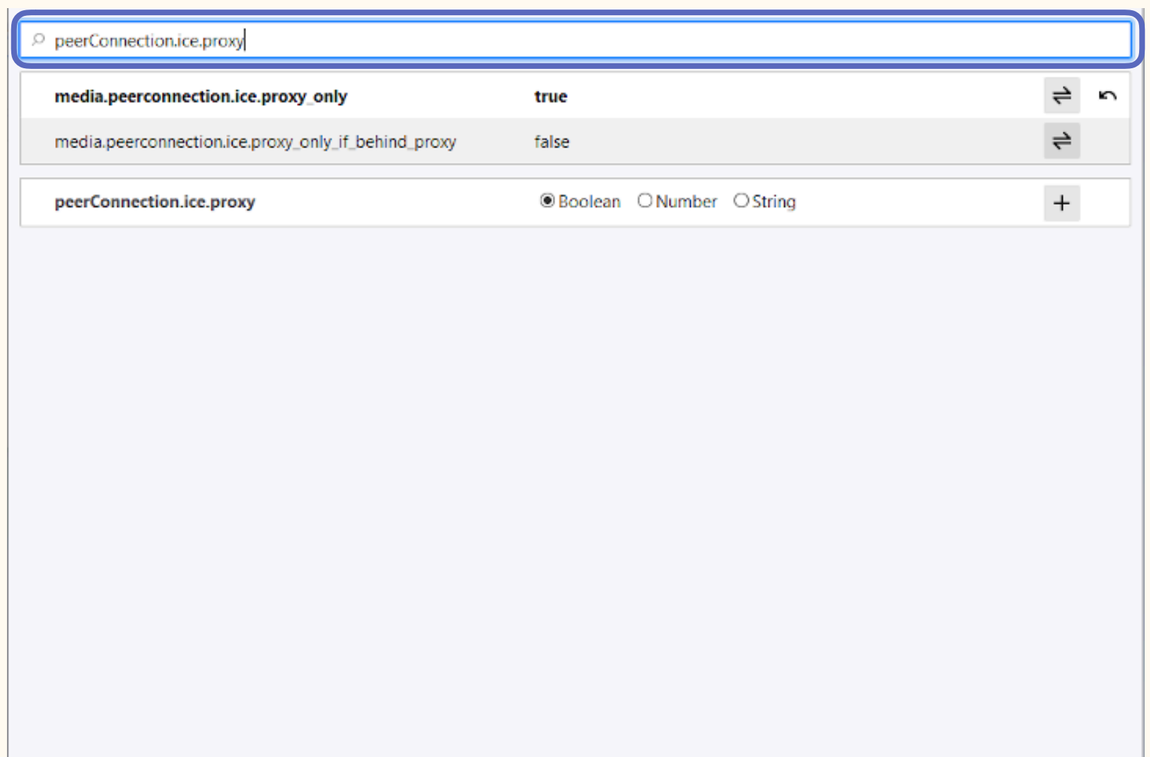



In the *Connection Settings* pop-up, select *Manual proxy configuration*. Set both the HTTP and SSL Proxy to address `127.0.0.1` with port `4444` as shown in the following screenshot.

An idea for the Firefox Privacy Add-On is to add it as part of the instructions.

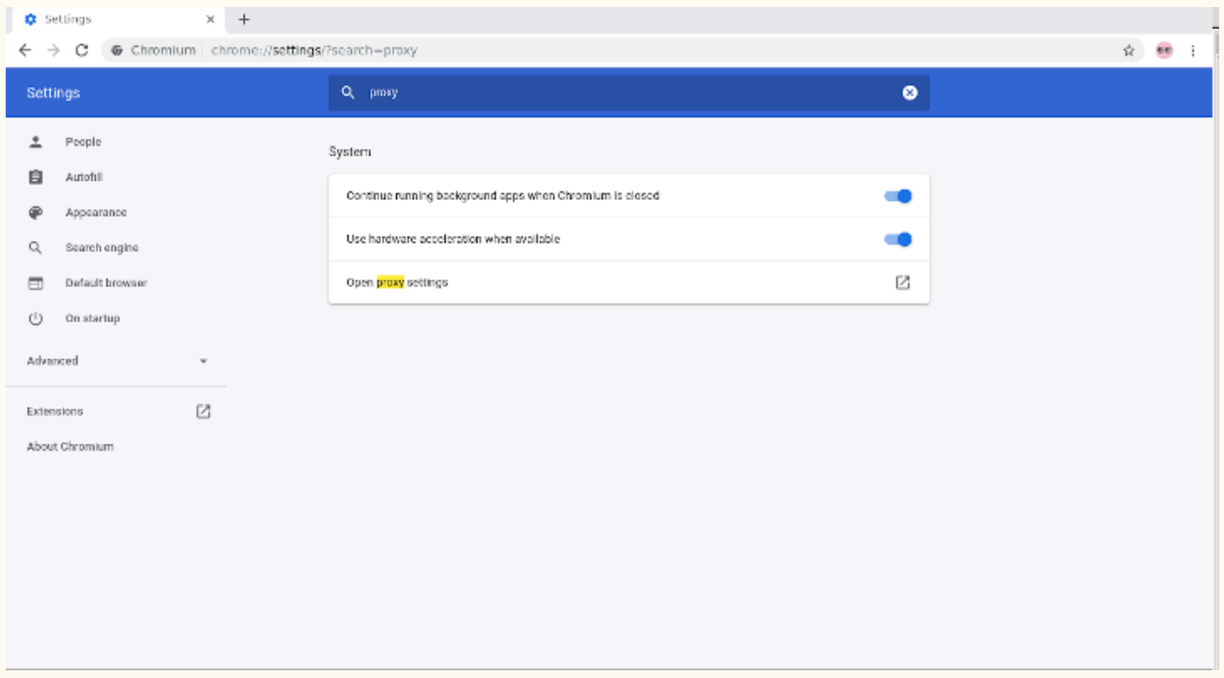



Finally, go to the address *about:config* and find the property media.peerConnection.ice.proxy_only. Ensure that this setting is True.



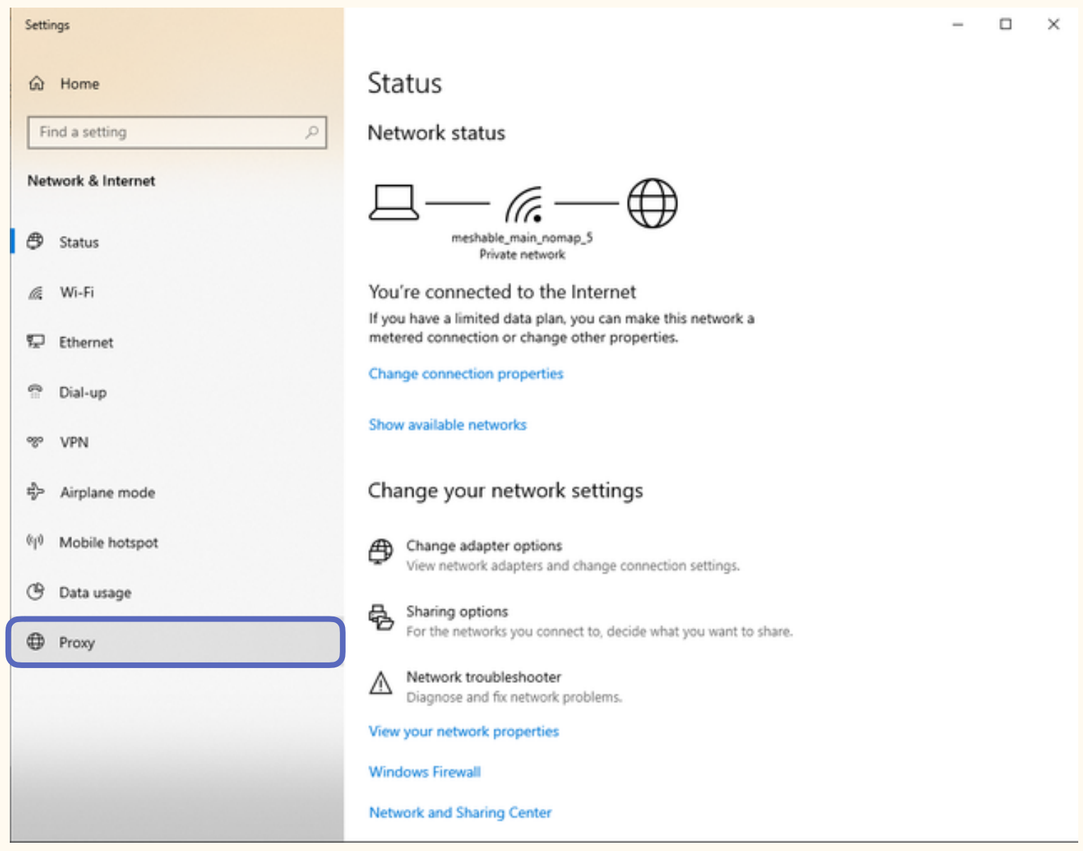
## Instructions for Chrome

From the *Main* menu, navigate to the *Settings*, and search for the menu item. Clicking it will open the right settings for your platform.

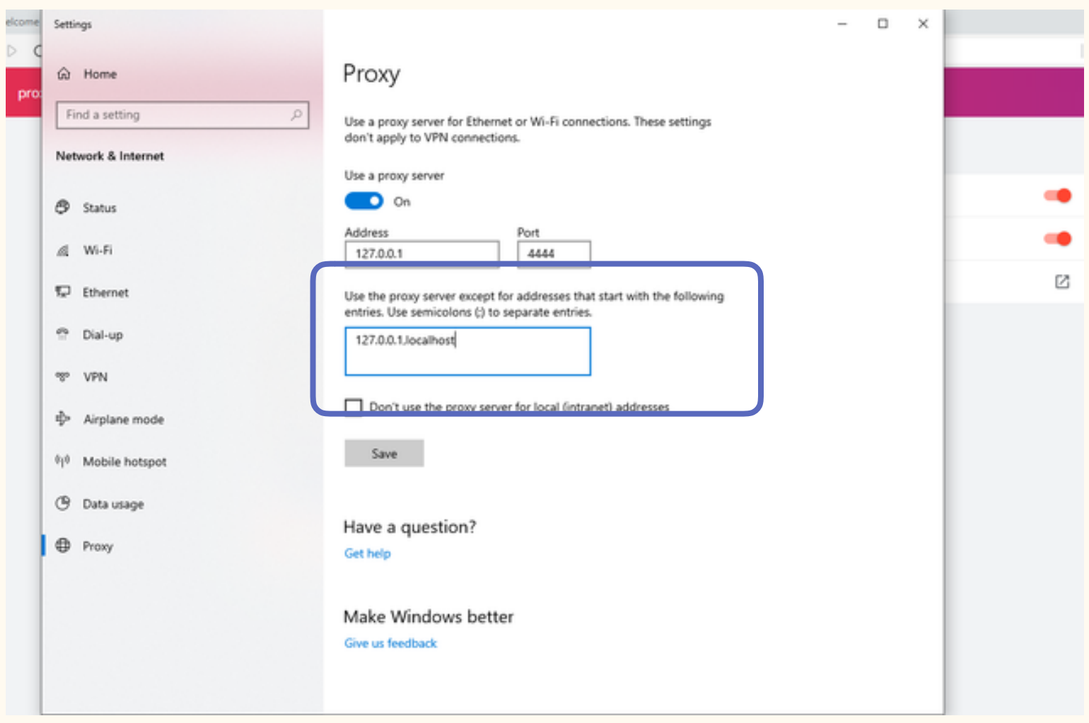



## Instructions for Internet Explorer

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.




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.




You've completed the Configuration process! Learn how to use and explore I2P here.