

The Invisible Internet Project

Language



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

Learn More

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

News & Updates

Added a Learn More secondary button

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

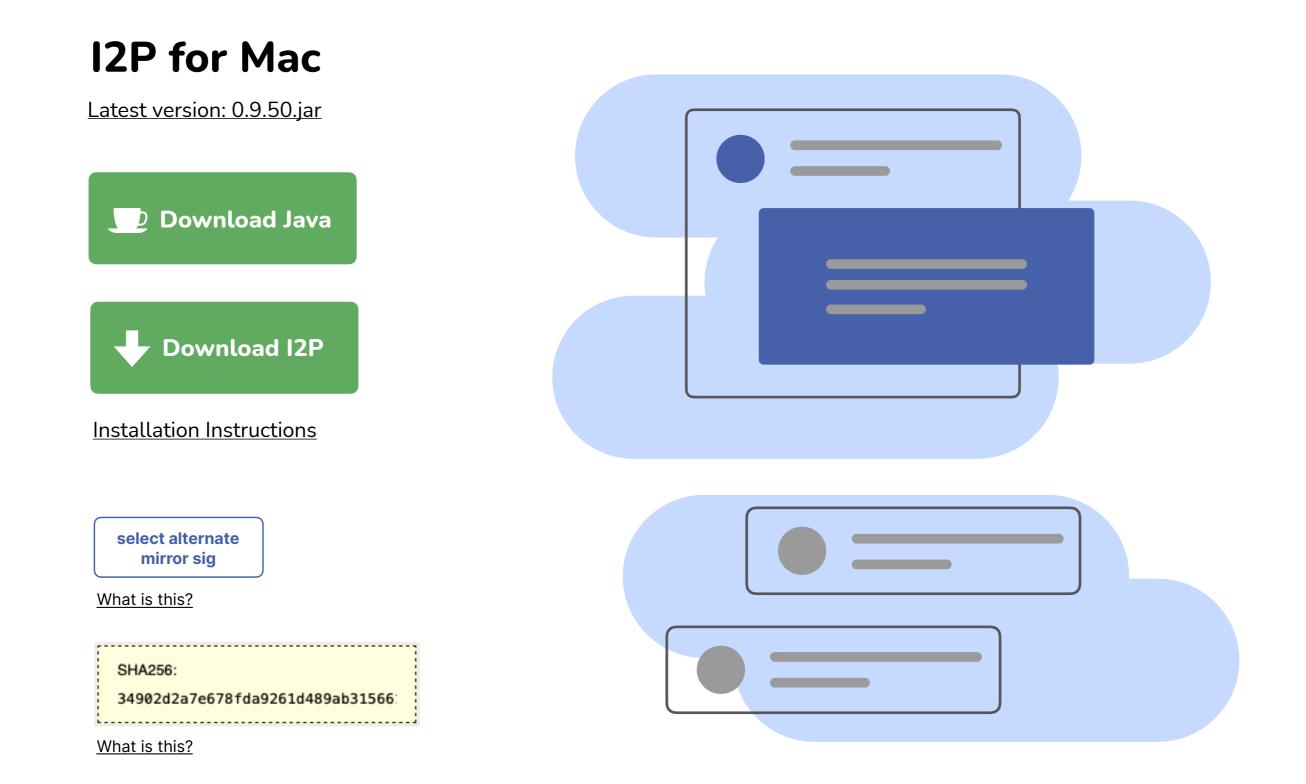
More blog posts...

creating your own privacy - aware apps.



Getting Started Resources About Community Blog

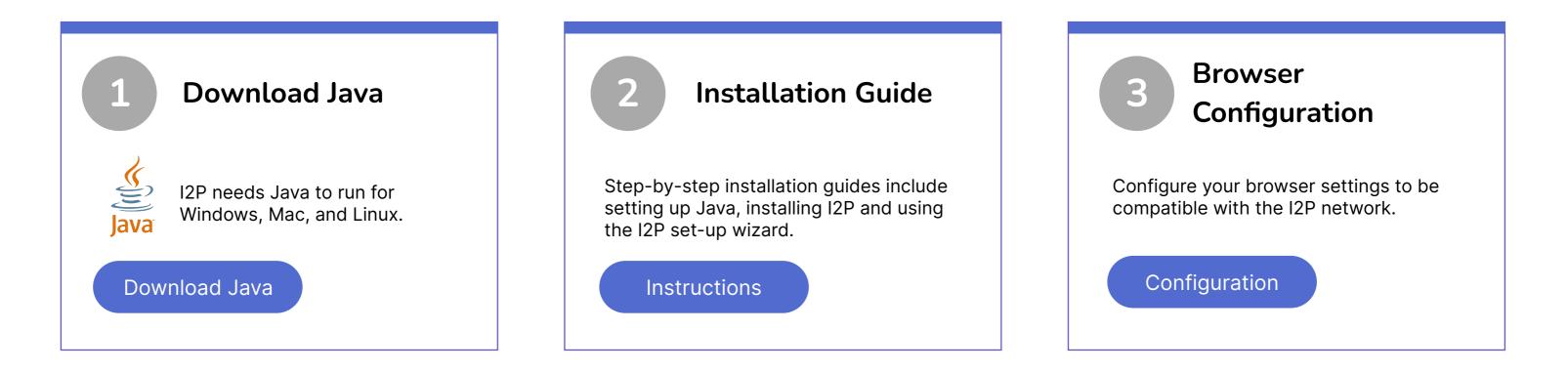
Language





Basic Steps for Installation

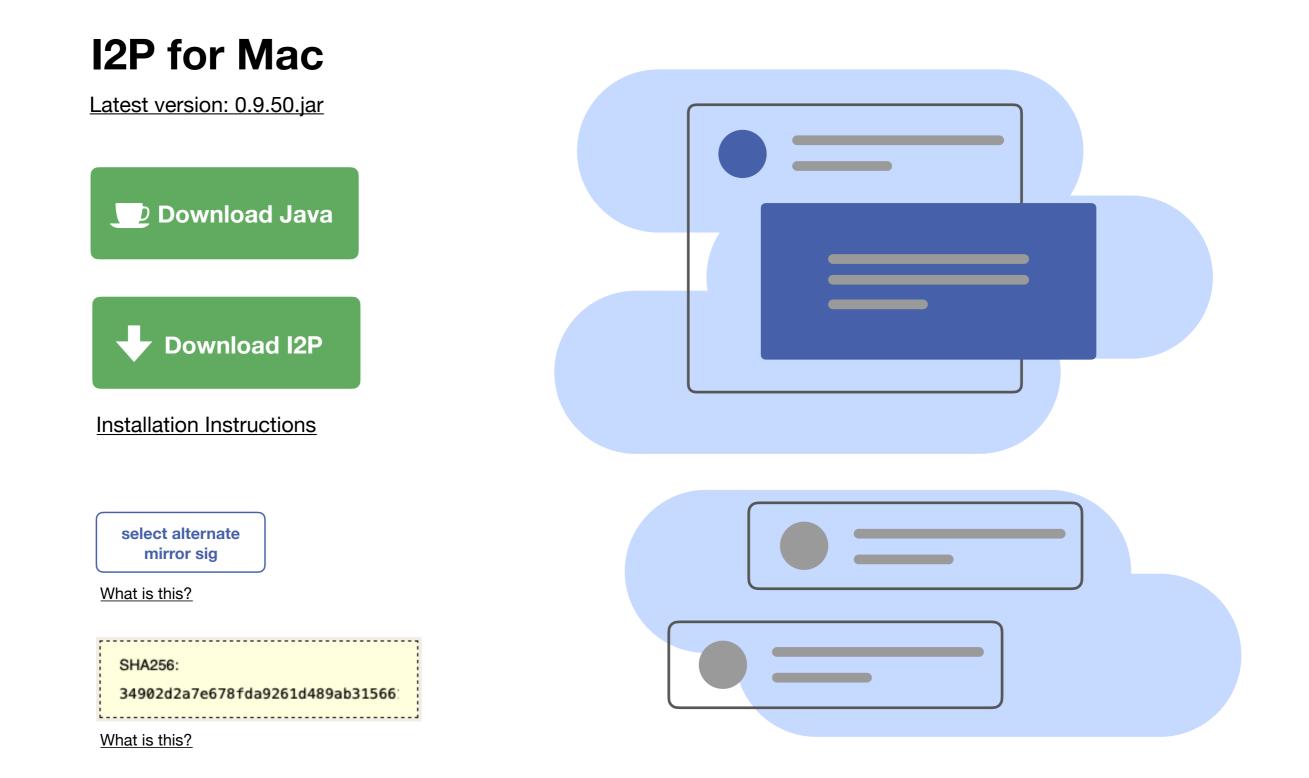
Once you've got I2P downloaded, getting I2P installed and running will consist of up to three steps





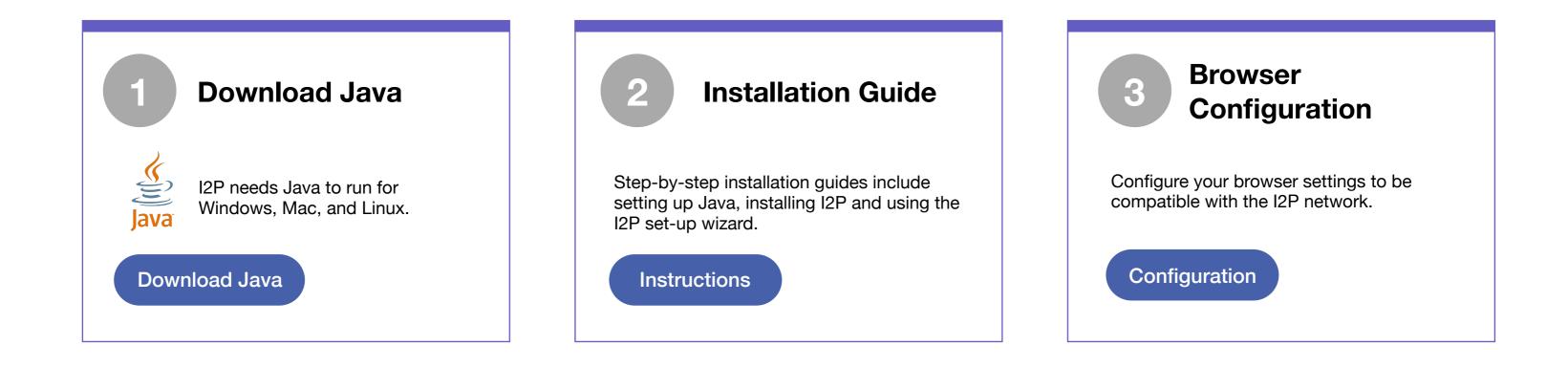
Getting Started Resources About Community Blog

Language



Basic Steps for Installation

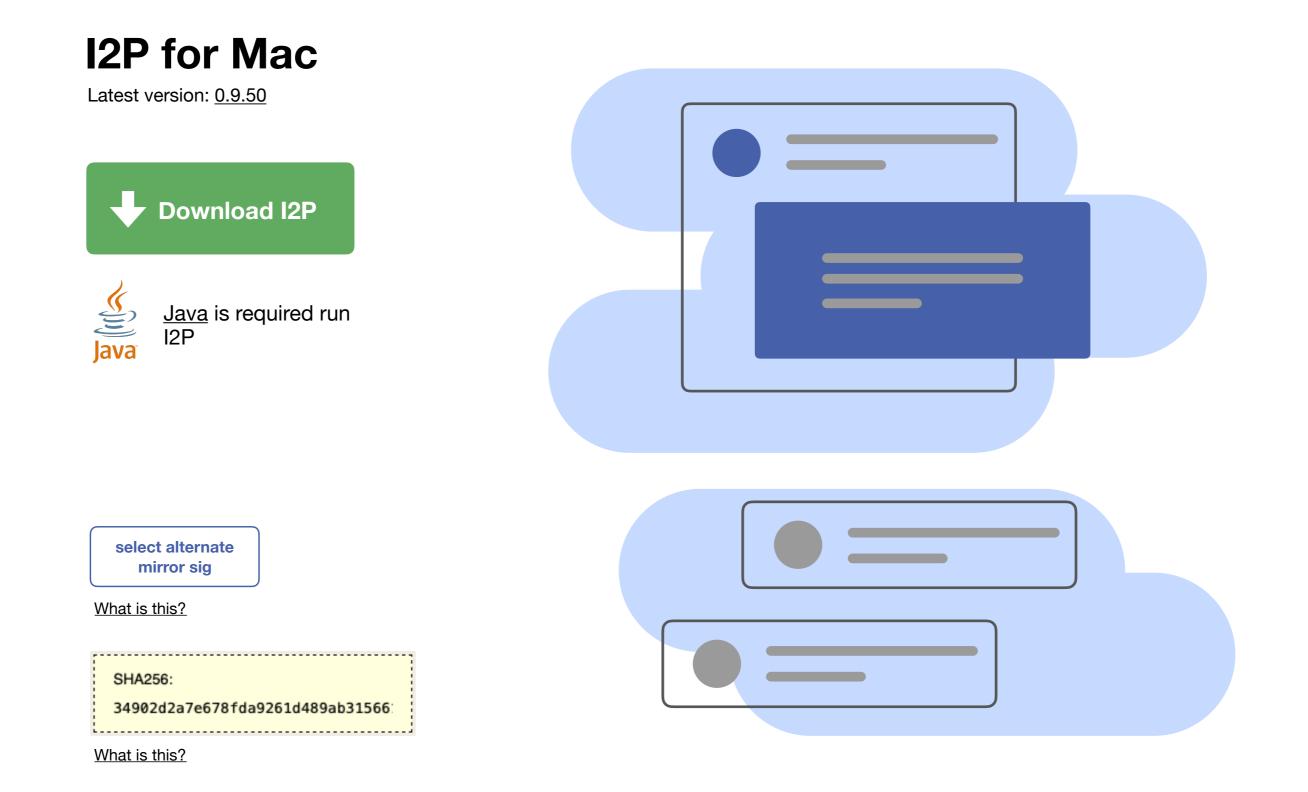
Once you've got I2P downloaded, getting I2P installed and running will consist of up to three steps





Getting Started Resources About Community Blog

Language















Docker

Basic Steps for Installation

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





1

2

Language

Installation

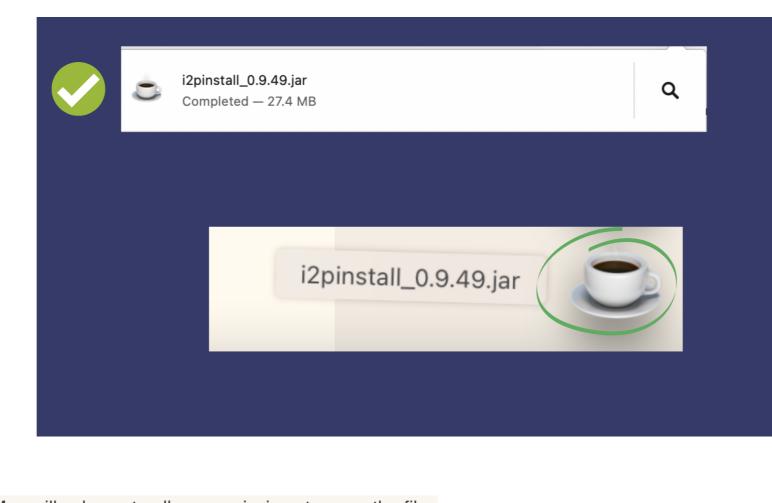
I2P Installation Launching I2P Wizard Walk-through

Installation Instructions for Mac OS

I2P Installation

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

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

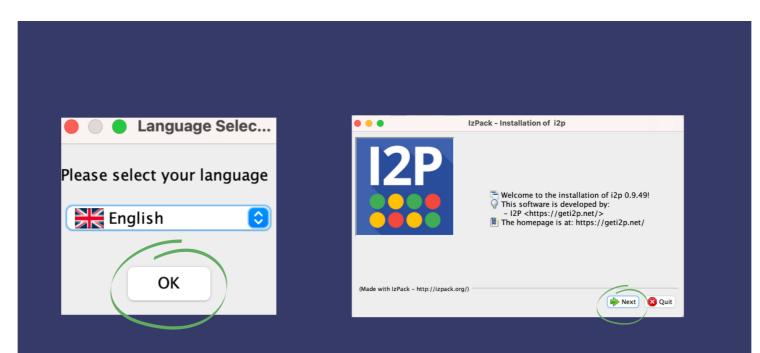


3 Mac will ask you to allow permissions to open the file.

General FileVault Firewall Privacy A login password has been set for this user Change Password Require password 6 minutes 3 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 "i2pinstal_0.9.49.jar" was blocked from use because it is not from an identified developer.
 Require password 5 minutes 3 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 App Store and identified developers "i2pinstall_0.9.49.jar" was blocked from use because it is not from an Open Anyway
Show a message when the screen is locked Set Lock Message Allow apps downloaded from: App Store App Store App Store and identified developers "i2pinstall_0.9.49.jar" was blocked from use because it is not from an Open Anyway
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 Open Anyway

••• < > s	ecurity & Privacy	Q Search	
A login password ha Require pass Show a mes Allow apps downloa App Store and	macOS cannot verify the developer of 'i2pinstall_0.9.49.jar". Are you sure you want to open it? By opening this app, you will be overse your computer and personal information to malware that may harm your Mac or compromise your privacy. First norm added this file today at 2:50 PM. Open Cancel Identified developers	rd en saver begins Message	
Click the lock to make char	nges.	Advanced ?	







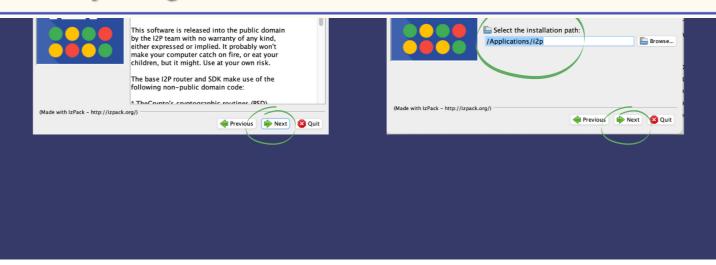


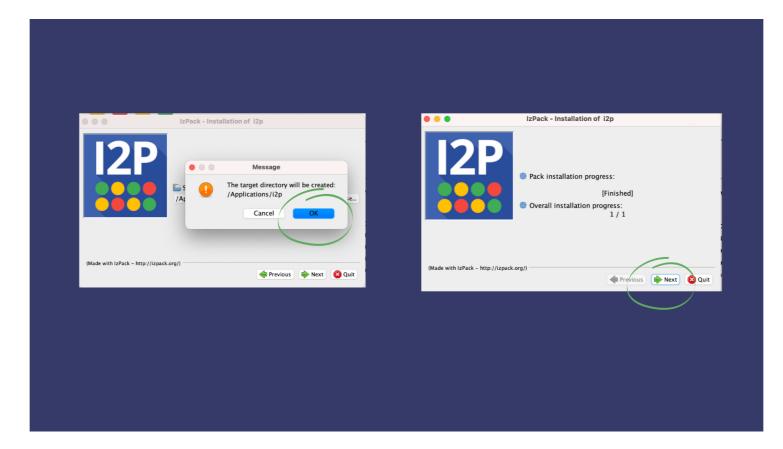


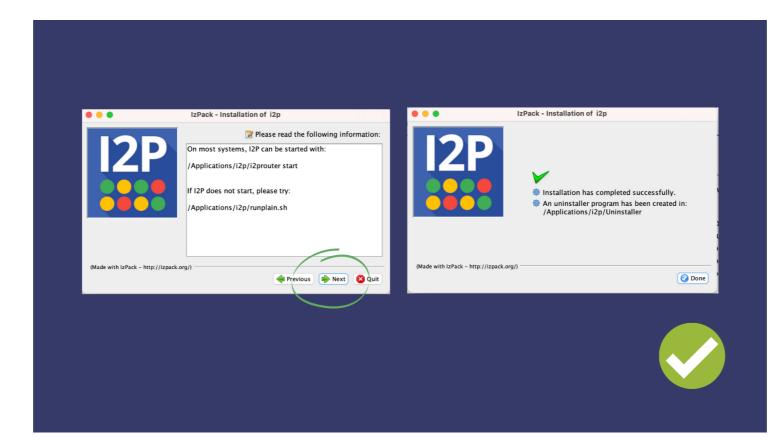
Language

Installation

I2P Installation Launching I2P Wizard Walk-through



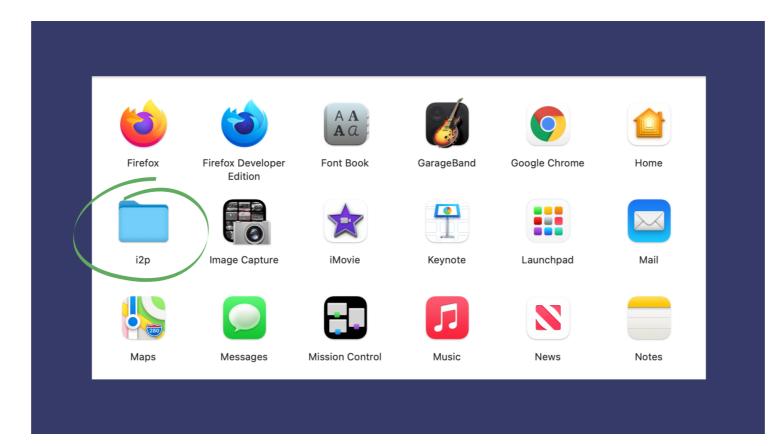




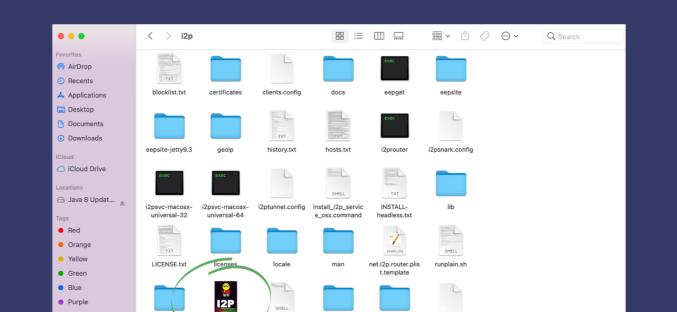
Launching I2P

1

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











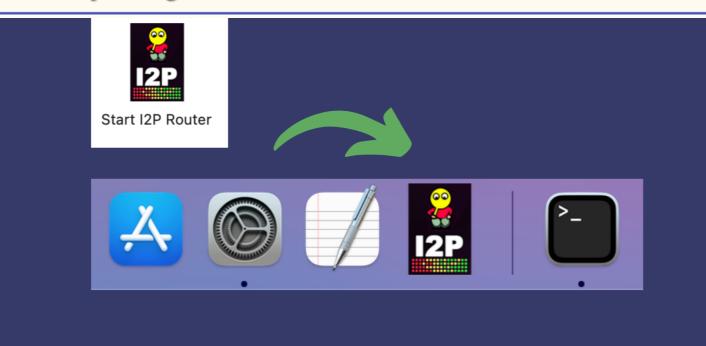




1

Language

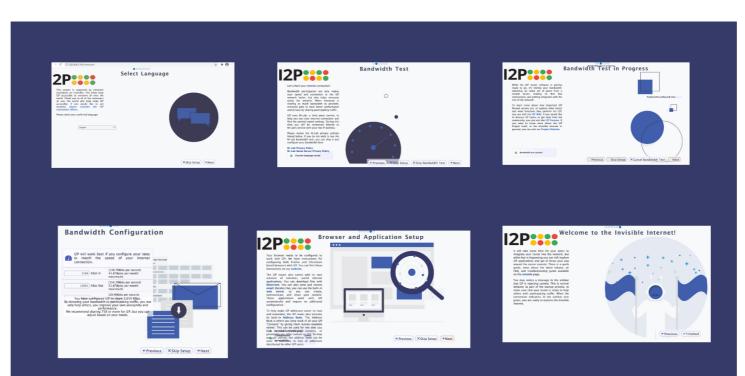
Installation I2P Installation Launching I2P Wizard Walk-through



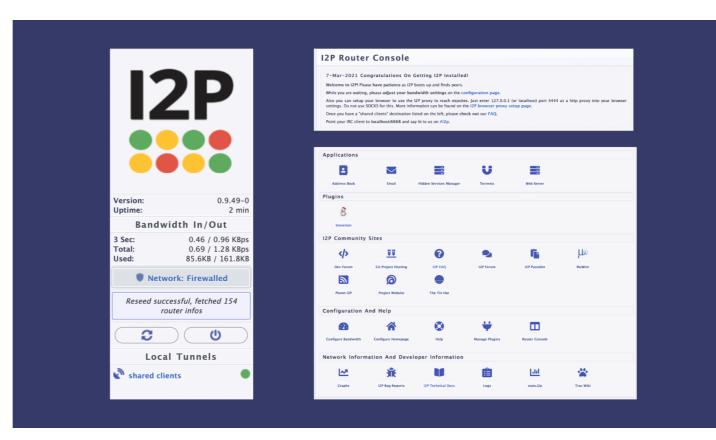
Wizard Walk-through

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.







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

Firefox

3

- <u>Chrome</u>
- <u>Android</u>
- Internet Explorer 8



1

Language

Configuration

Firefox

Chrome

Android

Internet Explorer

Configuring Your I2P Network Connections

Browser Configuration 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*

Network Settings

Configure how Firefox connects to the internet. Learn more

Settings

2

3

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			×
No proxy	s to Access the Internet			
Auto-detect pro	oxy settings for this net <u>w</u> ork			
Use system pro	xy settings			
O <u>M</u> anual proxy co	onfiguration			
HTTP Pro <u>x</u> y	127.0.0.1	<u>P</u> ort	4444	•
	Use this proxy server for all protocols			
SS <u>L</u> Proxy	127.0.0.1	P <u>o</u> rt	4444	•
<u>F</u> TP Proxy		Po <u>r</u> t	0	*
SO <u>C</u> KS Host		Por <u>t</u>	0	▲
	SOCKS v4 O SOCKS v5			
No Proxy for localhost, 12	7.0.0.1			
Example: .mozill	a.org, .net.nz, 192.168.1.0/24			
<u>A</u> utomatic prox	y configuration URL			
			R <u>e</u> l	oad
Do not prompt f	or authentication if password is saved			
Proxy <u>D</u> NS when	using SOCKS v5			
<u>H</u> elp		Cancel	(ОК

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

media.peerconnection.ice.proxy_only	true	⇒
media.peerconnection.ice.proxy_only_if_behind_proxy	false	⇒
peerConnection.ice.proxy	Boolean ONumber OString	+

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

What's Next? <u>How to Use I2P</u> <u>Resources</u> <u>Tutorials</u>



1

Language

Configuration

Firefox

Chrome

Android

Internet Explorer

Configuring Your I2P Network Connections

Browser Configuration 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*

Network Settings

Configure how Firefox connects to the internet. Learn more

Settings	Se	tti	ng	s		•	•
----------	----	-----	----	---	--	---	---

2

3

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			×
-	s to Access the Internet			
🔵 No proxy				
 Auto-detect pro 	oxy settings for this net <u>w</u> ork			
Use system pro:	xy settings			
O <u>M</u> anual proxy co	onfiguration			
HTTP Pro <u>x</u> y	127.0.0.1	<u>P</u> ort	4444	÷
	Use this proxy server for all protocols			
SS <u>L</u> Proxy	127.0.0.1	P <u>o</u> rt	4444	÷
<u>F</u> TP Proxy		Po <u>r</u> t	0	* *
SO <u>C</u> KS Host		Por <u>t</u>	0	*
	SOCKS v4 O SOCKS v5			
<u>N</u> o Proxy for				
localhost, 12	7.0.0.1			
Example: .mozilla	a.org, .net.nz, 192.168.1.0/24			
<u>A</u> utomatic proxy	y configuration URL			
			R <u>e</u> l	load
Denter				
	or authent <u>i</u> cation if password is saved			
Proxy <u>D</u> NS when	using SOCKS v5			
Help		Cancel	(OK
			>	

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

media.peerconnection.ice.proxy_only	true	⇒
media.peerconnection.ice.proxy_only_if_behind_proxy	false	⇒
peerConnection.ice.proxy	Boolean ONumber OString	+

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

What's Next? <u>How to Use I2P</u> <u>Resources</u> <u>Tutorials</u>