How to browse anonymously with Garlic Routing

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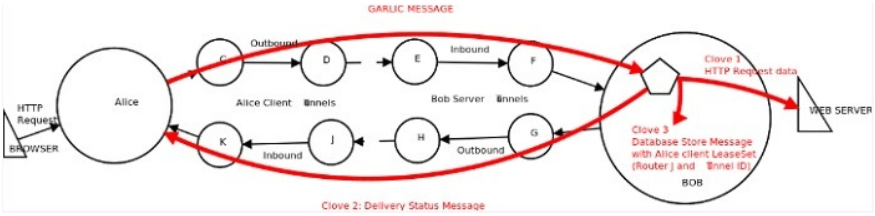
Garlic routing is an improved browsing technology, utilizing multiple layers of encryption to anonymize Internet traffic from companies, hackers and network service providers. In this regard, it has the same purpose as onion routing using Tor encrypted network for anonymity.

However, there are some differences. In onion routing, data passes through intermediate nodes that are peeled layer by layer like onions. In addition, Tor uses two-way tunnels to ensure more efficient memory usage, low bandwidth costs and centralized control.

What is Garlic routing?

Garlic routing is an extension of the onion concept, in which many bulletins are packaged and encoded together, similar to garlic cloves. The hidden information is sent individually and is only revealed at the destination.



The biggest advantage of this 'garlic' technique is peer-to-peer and by using a different answer block, garlic routing has completely changed the global network concept. The idea is to ensure better protection, prevent client activity from being detected, even when an attacker can join the tunnel.

To browse the anonymous web with garlic routing, you must download and install the software called I2P.

Download and install I2P

Invisible Internet Project (I2P) has primarily contributed to garlic routing. Although the anonymous browsing project is still in beta, you can use it now without any problems.

To download, visit the official link below and get software for Windows, Mac, Solaris / BSD, Android, Debian or Ubuntu.

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https://geti2p.net/en/download
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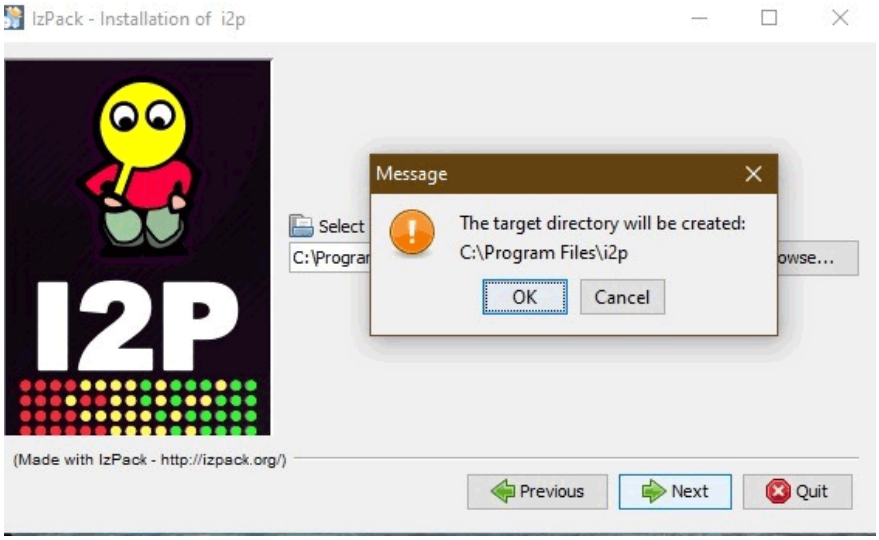
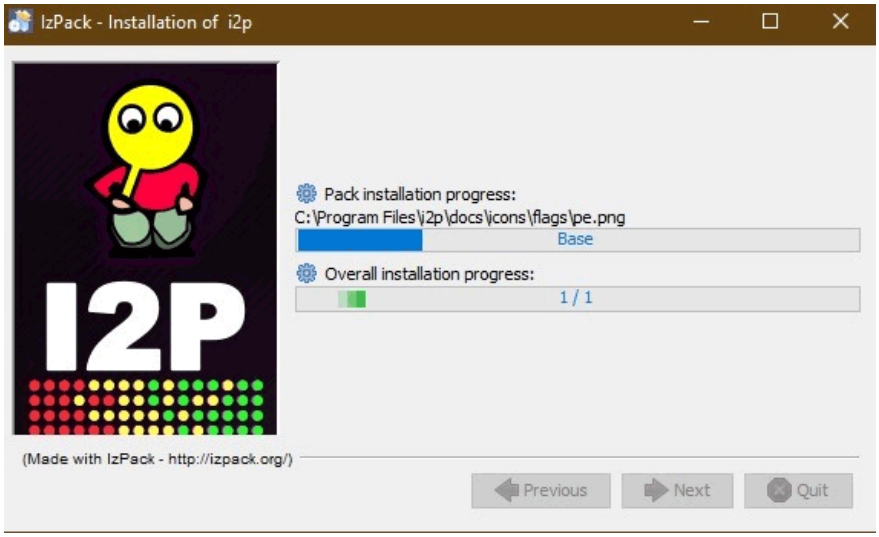
Select a destination folder similar to normal Windows programs.

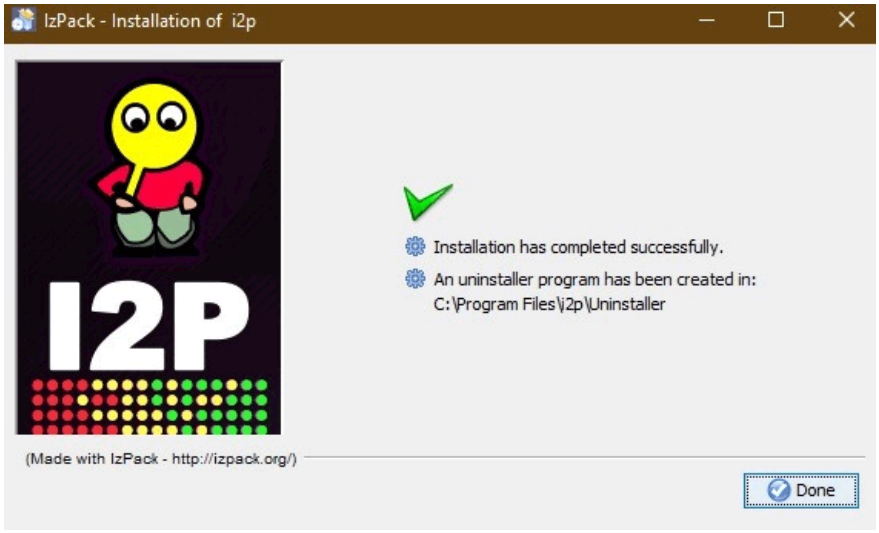


If you want, you can create an I2P shortcut in the Start menu or simply place it on the desktop.

This installation process only takes a few minutes.

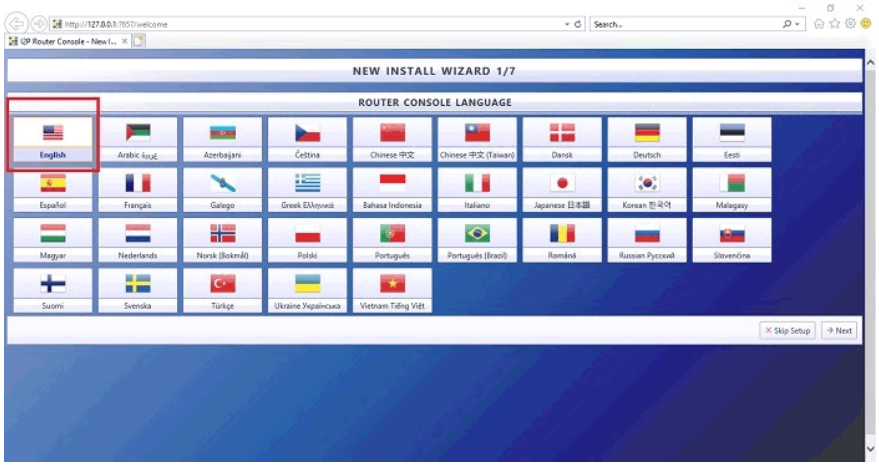


When the installation is complete, you will receive a notification of completion.

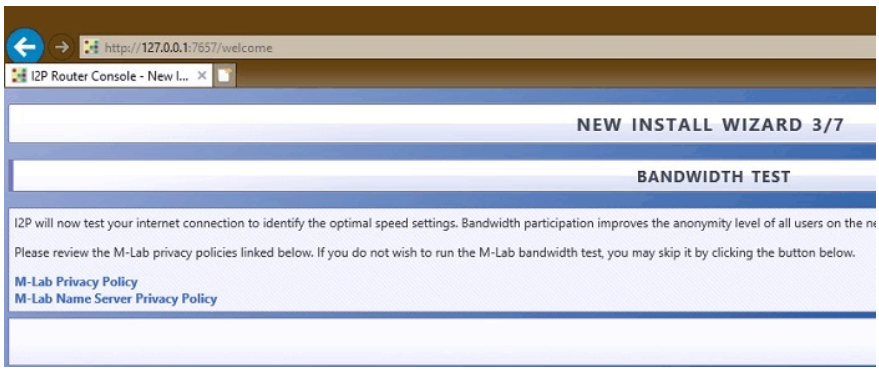


Check bandwidth

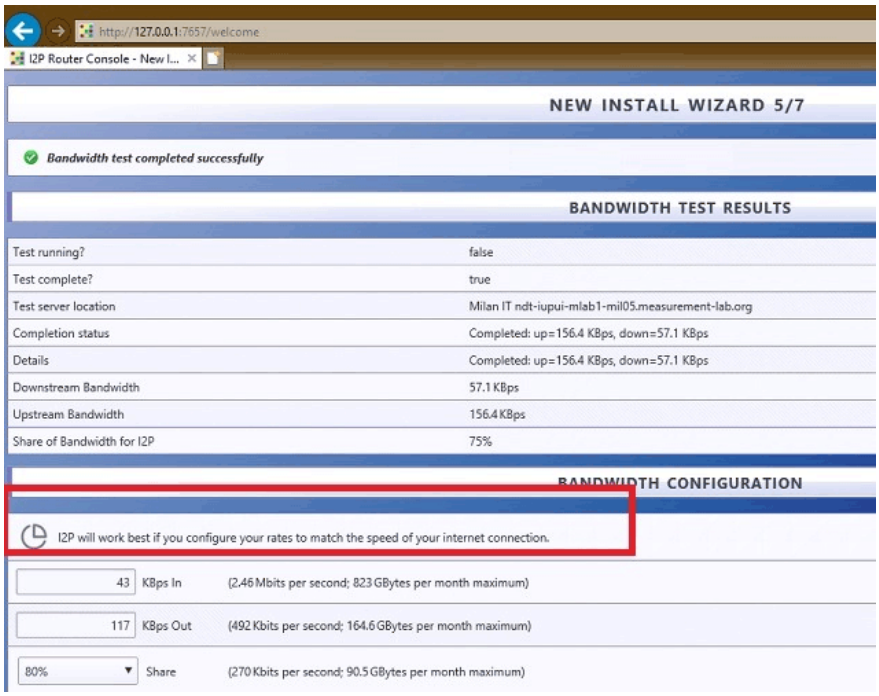
Click on the IP2 router control panel, use your computer's default browser to install more. You need to select the language first.



Next, perform a bandwidth test to see how much bandwidth you need.



As shown below, the bandwidth is expected to provide 2.46 Mbps download speed and 492 kbps upload speed. You should record this data to use for the next section.



Download I2P Firefox Browser Profile

Next, you need to download the Firefox Browser Profile to work with I2P. And you need Firefox to surf the web "garlic".

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https://geti2p.net/en/download/firefox
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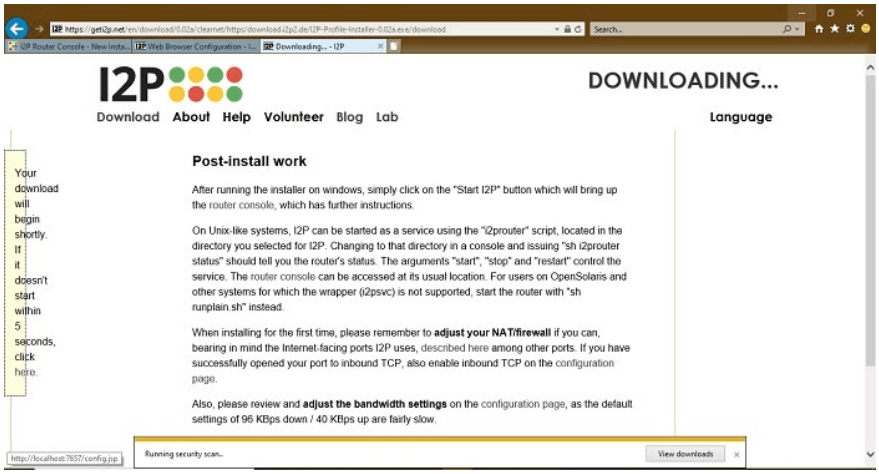
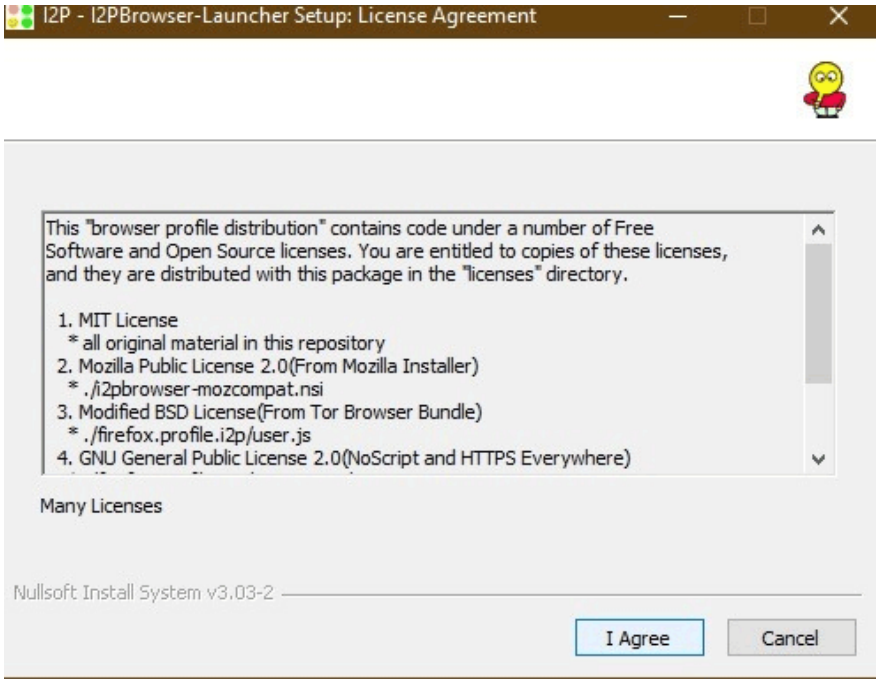
After downloading, you need to run the browser profile program.

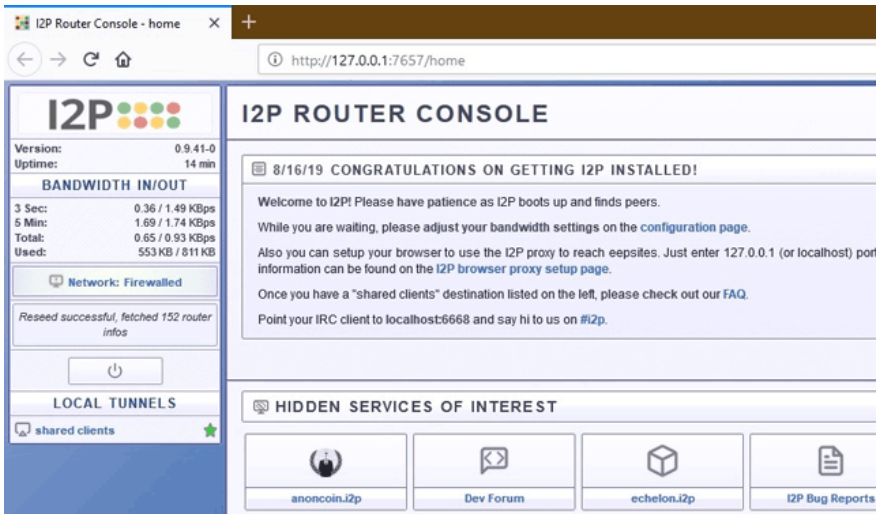


Click **I Agree** to agree to the launcher setup license agreement.

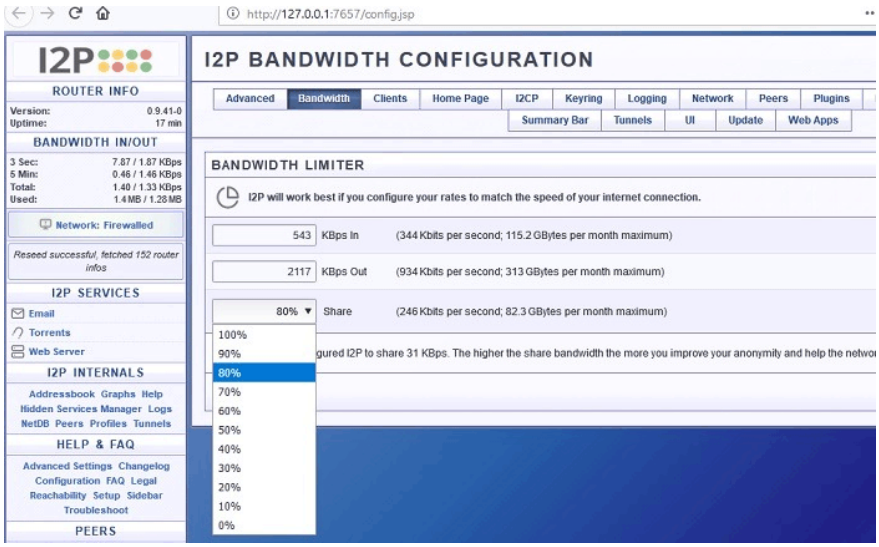


Click **Launch the i2p browser?** right after installation finishes. The next time you can directly launch the Firefox browser profile from the desktop.

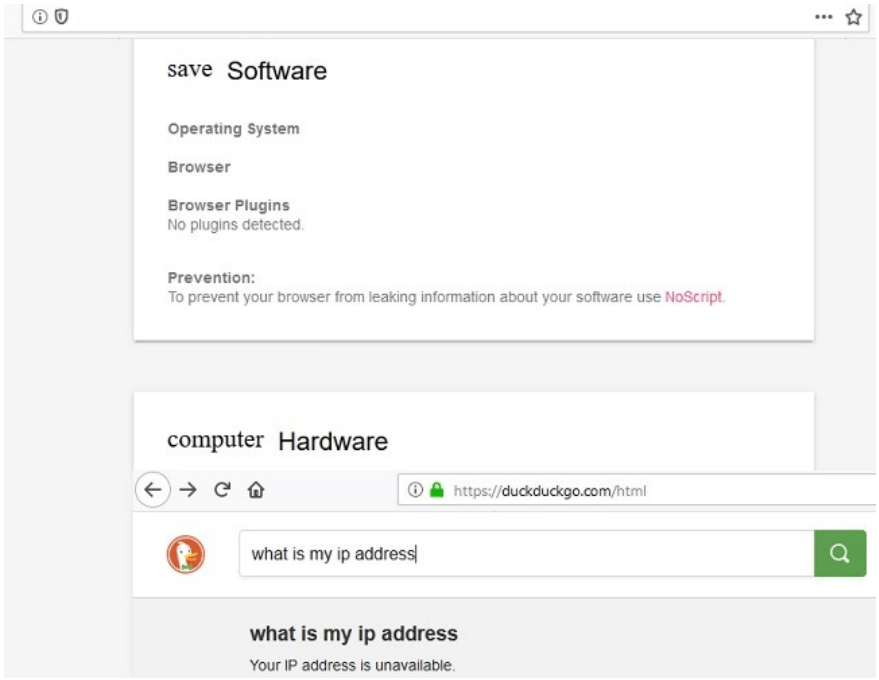
When opened, you will see the home page that controls the I2P router with a complete list of I2P related websites. Go to the configuration page to adjust the settings.



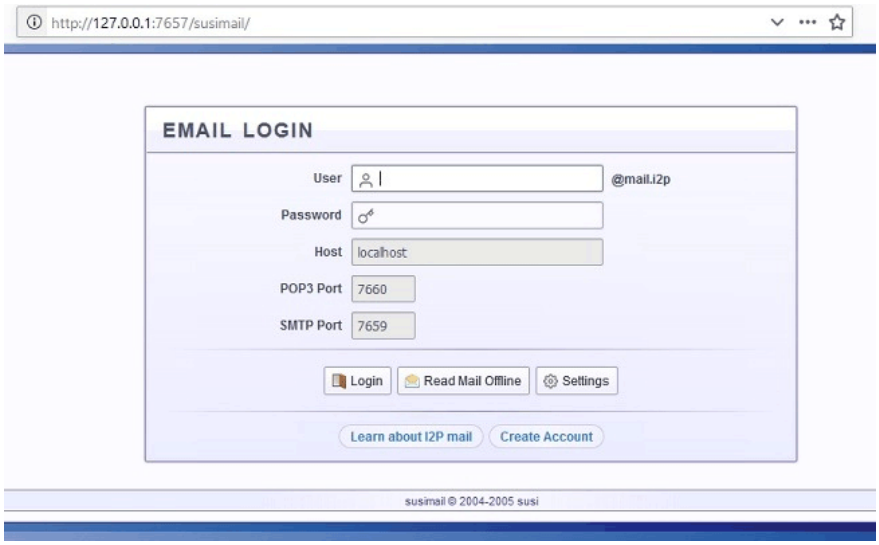
On the I2P configuration page, you can see the parts that need to be adjusted manually but the most important adjustment is bandwidth. And this is where the previous bandwidth data is used.



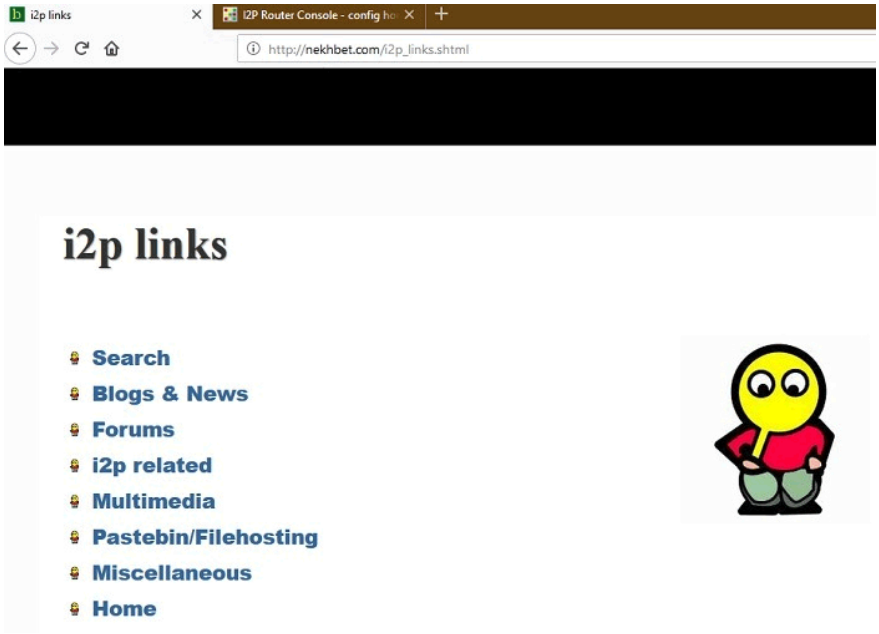
After allocating enough bandwidth for I2P, you can surf the web anonymously like on a regular Firefox browser. No one, including Internet service providers, has any clues about your software, computer or IP address information.



You can use I2P garlic routing to send anonymous emails from the mail.i2p domain.

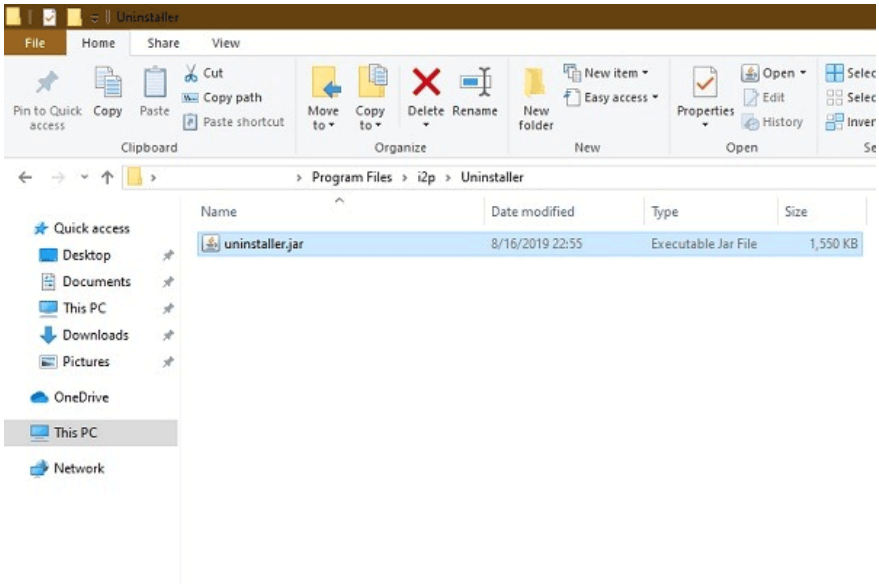


Like onion links, you will find many i2p links called eepsites. With onion, these links do not open in regular web browsers like Chrome.



Uninstall the program

If you want to uninstall I2P, just run the uninstaller.jar file and don't save any traces of your online activities.



Onion is very popular with Dark web users and that is why they are attracting more attention from Internet service providers. In contrast, "garlic" routers are still inadequate to be blocked or attacked by DDoS attacks.

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