

The Invisible Internet Project

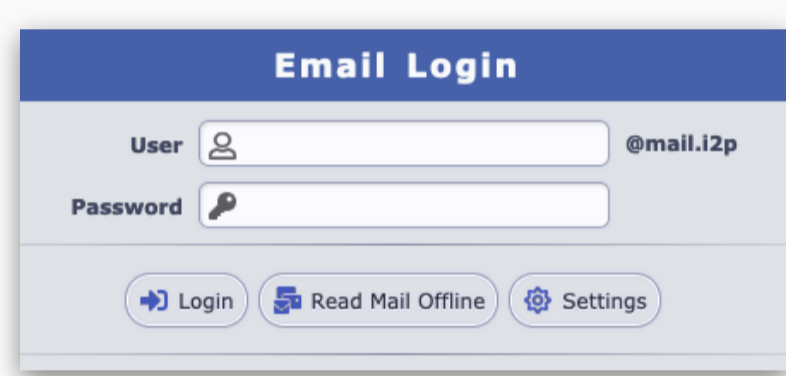
The Invisible Internet is a privacy by design, people-powered network. It is a truly free and anonymizing Internet alternative. Get I2P.

[Get Started](#)[What is I2P?](#)

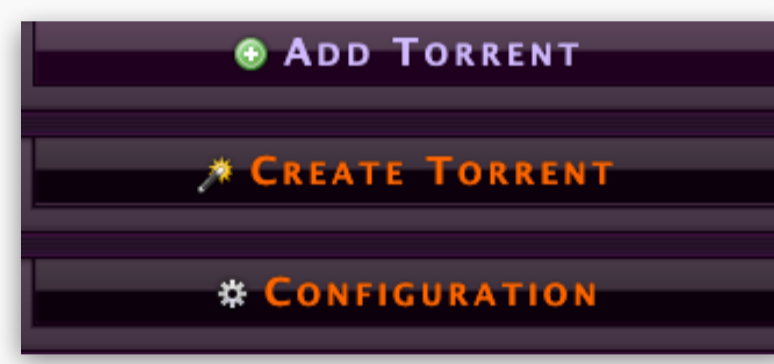
Privacy & decentralization by design
Protocols that protect
A network that is community run
Endless opportunities
Open source
A truly free Internet alternative

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 discreet or are doing sensitive work.

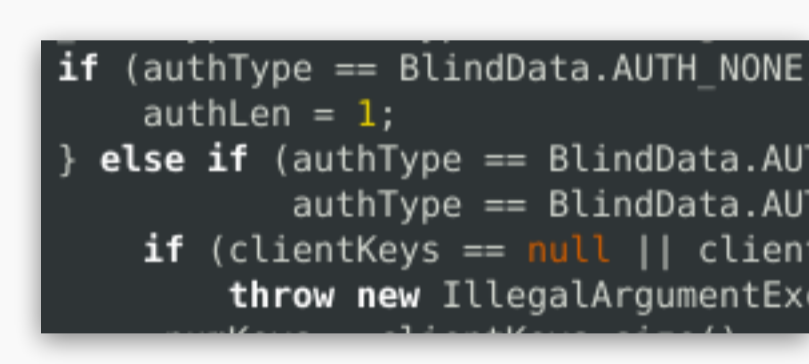
What you can do on the Invisible Internet



Email



Torrent



Create

[And More >](#)[Download I2P](#)

```
// layer 2 (inner) encryption
I2PAppContext ctx = I2PAppContext.getGlobalContext();
byte[] salt = new byte[SALT_LEN];
ctx.random().nextBytes(salt);
HKDF hkdf = new HKDF(ctx);
byte[] key = new byte[32];
// use first 12 bytes only
byte[] iv = new byte[32];
int authLen;
```

Developer Guide

Developers can create apps within I2P and a bunch of other stuff as well.

[Dev Support](#)[Read the Docs](#)

Get Involved

Numerous people contribute to the project to varying extents.

Consider **contributing** to help the I2P project grow.

Take a moment to **donate** to support further development.

Help **translate** the documentation into other languages.

[Contribute](#)

News & Updates

2021-08-23 - [1.5.0 Release](#)

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](#)

News & Updates

```
EXAMPLE SESSION DIALOGUE -- simple telnet 127.0.0.1
A = Application
C = BOB's Command response.

FROM TO DIALOGUE
C A BOB 00.00.10
C A OK
A C setnick mouth
C A OK Nickname set to mouth
```

August 23, 2021

1.5.0 Release

[Read More](#)

New

```
EXAMPLE SESSION DIALOGUE -- simple telnet 127.0.0.1
A = Application
C = BOB's Command response.

FROM TO DIALOGUE
C A BOB 00.00.10
C A OK
A C setnick mouth
C A OK Nickname set to mouth
```

May 5, 2021

0.9.50 Release

[Read More](#)

```
EXAMPLE SESSION DIALOGUE -- simple telnet 127.0.0.1
A = Application
C = BOB's Command response.

FROM TO DIALOGUE
C A BOB 00.00.10
C A OK
A C setnick mouth
C A OK Nickname set to mouth
```

February 17, 2021

0.9.49 Release

[Read More](#)

Get started now

[Download I2P](#)

I2P

About
Blog
Forums
Contact Us

Getting Started

Support
Technology
API
Docs

Get Involved

Contribute
Donate
Partners

Follow Us

Twitter
Gitlab
Reddit
Mastodon

