

Documentation

Change to "Technical Documentation"

I2P Technical Overview

Intro and Threat Analysis Overview of the network and its capabilities	Specifications and Protocol Stack Network architecture	Roadmap and Proposals Development roadmaps
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I2P Application Layer

Missing tagline

Same tagline

App Development Overview and Guide Tagline here	App Layer API and Protocols High-level, easy to use APIs for applications written in any language to send and receive data	End-to-End Transport API and Protocols High-level, easy to use APIs for applications written in any language to send and receive data
Client-to-Router Interface API and Protocol The end-to-end protocols used by clients for reliable and unreliable communication		

Research section moved?

18pt or 15pt for tagline

I2P Network Protocol Documentation

End-to-End Encryption How client messages are end-to-end encrypted by the router	Network Database Distributed storage and retrieval of information about routers and clients	Router Message Protocol I2P is a message-oriented router. The messages sent between routers are defined by the I2NP protocol.
Transport Layer The protocols for direct (point-to-point) router to router communication	Tunnels Selecting peers, requesting tunnels through peers, encrypting and routing messages through these tunnels.	Other Router Topics Tagline here

Missing tagline

[Docs](#) > [Intro and Threat Analysis](#)

[Technical Introduction](#) >

[Threat Model and Analysis](#) >

[Docs](#) > [Specifications and Protocol Stack](#)

[Specifications](#) >

[Protocol Stack Chart](#) >

[Docs](#) > [Roadmap and Proposals](#)

Development Roadmaps



Are Development Roadmaps one thing or separate?

[Docs](#) > **Application Development Overview and Guide**

- [Application Development Overview and Guide](#) >

- [Naming and Address Book](#) >

- [Address Book Subscription Feed Commands](#) >

- [Plug-ins Overview](#) >

- [Plug-in Specification](#) >

- [Managed Clients](#) >

- [Embedding the Router in Your Application](#) >

- [BitTorrent over I2P](#) >

- [I2PControl Plugin API](#) >

- [hostsdb.blockfile Format](#) >

- [Configuration File Format](#) >

[Docs](#) > **Application Layer API and Protocols**

- [Application Development Overview and Guide](#) >

- [I2PTunnel](#) >

- [I2PTunnel Configuration](#) >

- [SOCKS Proxy](#) >

- [HTTP Proxy](#) >

- [CONNECT Proxy](#) >

- [IRC Proxy](#) >

- [SOCKS IRC Proxy](#) >

- [Streamr Proxy](#) >

- [HTTP Bidir Proxy](#) >

- [SAM Protocol](#) >

- [SAMv2 Protocol](#) >

- [SAMv3 Protocol](#) >

- [BOB Protocol](#) >

[Docs](#) > **End-to-End Transport API and Protocols**

[Streaming Library](#) >

[Streaming Protocol Specification](#) >

[Streaming Javadoc](#) >

[Datagrams](#) >

[Datagram Javadoc](#) >

[Docs](#) > **Client-to-Router Interface API and Protocols**

[I2CP - I2P Control Protocol / API Overview](#) >

[I2CP Specification](#) >

[I2CP API Javadoc](#) >

[Common Data Structures Specification](#) >

[Data Structures Javadoc](#) >

[Docs](#) > **End-to-End Encryption**

[ECIES-X25519-AEAD-Ratchet Encryption for Destinations](#) >

[ECIES-X25519 Encryption for Routers](#) >

[ElGamal/AES+SessionTag Encryption](#) >

[ElGamal and AES Cryptography Details](#) >

[Docs](#) > **Network Database**

[Network Database Overview, Details, and Threat Analysis](#) >

[Cryptographic Hashes](#) >

[Cryptographic Signatures](#) >

[Red25519 Signatures](#) >

[Router Reseed Specification](#) >

[Base32 Addresses for Encrypted Leasesets](#) >

[Docs](#) > **Router Message Protocol**

[I2NP - I2P Network Protocol Overview](#) >

[I2NP Specification](#) >

[I2NP Javadoc](#) >

[Common Data Structures Specification](#) >

[Encrypted Leaseset Specification](#) >

[Data Structures Javadoc](#) >

[Docs](#) > [Transport Layer](#)

[Transport Layer Overview](#) >

[NTCP TCP-based Transport Overview and Specification](#) >

[NTCP2 Specification](#) >

[SSU UDP-based Transport Overview](#) >

[SSU Specification](#) >

[NTCP Transport Encryption](#) >

[SSU Transport Encryption](#) >

[Transport Javadoc](#) >

[NTCP Javadoc](#) >

[SSU Javadoc](#) >

[Docs](#) > [Tunnels](#)

- [Peer Profiling and Selection](#) >

- [Tunnel Routing Overview](#) >

- [Garlic Routing and "Garlic" Terminology](#) >

- [Tunnel Building and Encryption](#) >

- [ElGamal/AES for Build Request Encryption](#) >

- [ElGamal and AES Cryptography Details](#) >

- [Tunnel Building Specification \(ElGamal\)](#) >

- [Tunnel Building Specification \(ECIES-X25519\)](#) >

- [Low-Level Tunnel Message Specification](#) >

- [Unidirectional Tunnels](#) >

- [Peer Profiling and Selection in the I2P Anonymous Network](#) >

- [2009 Paper \(pdf\), not current but still generally accurate](#) >

[Docs](#) > **Other Router Topics**

[Router Software Updates](#) >

[Router Reseed Specification](#) >

[Native BigInteger Library](#) >

[Time Synchronization and NTP](#) >

[Performance](#) >

[Configuration File Format](#) >

[GeoIP File Format](#) >
