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Thread: [Tor Alternatives: Exploring privacy networks and their domain systems](#)

Oh_Well - July 24, 2025, 1:17 am

Guide to privacy networks and their Domain systems

Hey everyone,

I thought it would be helpful to put together a guide on the various privacy networks and their domain systems. This should give a clear idea of how each network operates and what kind of addressing schemes they use. Each operates in a closed environment that requires specific software to access.

Here's a breakdown:

1. Tor (.onion)

Tor is probably the most well-known privacy network. It uses a series of relay nodes to anonymize users' traffic through layered encryption. Tor has its own unique domain system with .onion addresses, which can only be accessed through the Tor network.

Quote:Example: example.onion

These domains are a key feature of Tor, offering anonymity for both users and service providers.

How to access:Download and install the [Tor Browser](#).

Open the Tor Browser and enter the .onion address in the address bar.

2. I2P (.i2p)

I2P is another popular privacy-focused network, but it's designed more for hosting hidden services within its own network. I2P uses .i2p as its top-level domain (TLD) for these services, known as "eepsites."

Quote:Example: example.i2p

These websites are only accessible through the I2P network and require I2P-specific software to access.

How to access:Download and install the [I2P router](#).

Start the I2P router and wait for it to build tunnels.

Open the I2P router console and go to the "Services" tab.

Start the I2P HTTP Proxy and note the local port (usually 4444).

Configure your browser to use the I2P HTTP Proxy (e.g., 127.0.0.1:4444).

Enter the .i2p address in your browser's address bar.

3. Hyphanet (Freenet)

Freenet/Hyphanet doesn't use traditional domains. It employs a content-based addressing scheme, where files and sites are uniquely identified by cryptographic keys instead of domain names.

Quote:Example: USK@GB3wuHmt[..]o-eHK35w,c63EzO7u[..]3YDduXD,sAQABAAE/mysite-4

These keys are cryptographically derived and tied to the content, ensuring tamper-proof access and updates to the site or file.

How to access Hyphanet sites: Download and install [Hyphanet](#).

Start the software and wait for it to connect to the network.

Use FProxy to access the site by pasting the key behind the FProxy address:

`http://localhost:8888/USK@GB3wuHmt[..]o-eHK35w,c63EzO7u[..]3YDduXD,sAQABAAE/mysite-4/`

4. HORNET

HORNET is a next-generation, high-performance anonymous communication system that is still experimental. It aims to improve throughput and reduce latency compared to current anonymity networks like Tor.

Currently, HORNET doesn't have a standardized domain system.

How to access:HORNET is experimental — accessing it may require setting up a local instance or using a testnet.

Check the official HORNET documentation or GitHub for instructions.

5. Subgraph OS (Tor integration)

Not a completely separate network. Subgraph OS is a hardened Linux distro that integrates tightly with Tor. It uses .onion addresses for anonymous services as well.

Quote:Example: example.onion

How to access:Download and install [Subgraph OS](#).

Boot into Subgraph OS and open the built-in Tor Browser.

Enter the .onion address in the Tor Browser's address bar.

6. ZeroNet (.bit)

ZeroNet is a decentralized network that uses Bitcoin-like addresses. It uses the .bit TLD and functions through peer-to-peer hosting.

Quote:Example: 1A1zP1eP5QGe8vA9p92V8P2kXa3pFszP.bit

These are distributed websites with cryptographic hashes as identifiers.

How to access:Download and install the [ZeroNet client](#).

Start the client and wait for it to synchronize.

Open your browser and go to: <http://127.0.0.1:43110/>

Append the .bit address to the local URL (e.g., <http://127.0.0.1:43110/1A1zP1...>)

summary and differencesTor (.onion): Most established with unique onion domains.

I2P (.i2p): Designed for anonymous internal services (eepsites).

Hyphanet / Freenet: Uses content-based cryptographic hashes, no standard TLDs.

HORNET: Still experimental, no domain scheme yet.

ZeroNet (.bit): Peer-to-peer sites using Bitcoin-like address formats.

Hope you found something useful!

Oh_Well - July 24, 2025, 1:58 am

(Jul 24, 2025 01:40 AM)Lowkey Wrote: [\[CITE\]](#) Nooooooooooooo!!!! The normies can't learn of this! Stay strong, they'll never understand the deep lore ?

