



Dark Web

The Dark Web is a hidden layer of the internet that can only be accessed using specialized software like Tor. It operates on a complex network of anonymous servers and encryption, providing users with a high degree of privacy and anonymity.

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PCSE24- 50



Working Dark Web

1 Parallel Internet

The Dark Web is a parallel internet that exists alongside the surface web, accessible only through special software and tools.

2 Anonymity and Encryption

The Dark Web utilizes advanced encryption and anonymity techniques to conceal the identities and activities of its users.

3 Hosted on the Tor Network

The Dark Web is primarily hosted on the Tor network, a decentralized system that routes internet traffic through multiple nodes to mask a user's location and identity.

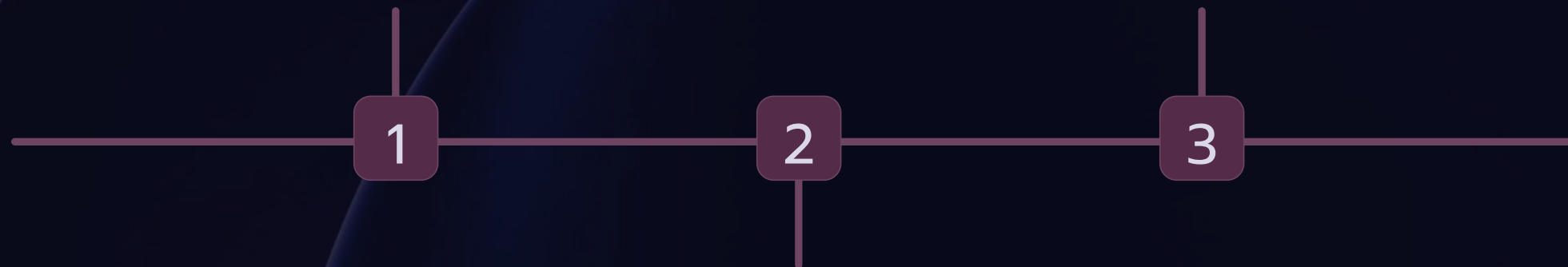
Accessing the Dark Web

1. Install Tor Browser

Download and install the Tor Browser, a specialized web browser that provides access to the Dark Web.

3. Browse the Dark Web

Once connected, you can explore the hidden websites and services available on the Dark Web.



2. Connect to the Tor Network

Launch the Tor Browser and connect to the Tor network, which will route your internet traffic through multiple anonymous nodes.

Anonymity and Privacy on the Dark Web

Encryption

The Dark Web uses advanced encryption techniques to protect the identities and activities of its users, making it difficult to trace online actions.

Pseudonymity

Users on the Dark Web often operate under pseudonyms, making it challenging to associate their online persona with their real-world identity.

Decentralization

The decentralized nature of the Dark Web, with its multiple nodes and servers, makes it harder for authorities to monitor and control user activities.

Illegal Activities on the Dark Web

Drug Trafficking

The Dark Web is known for hosting online marketplaces that facilitate the sale of illegal drugs and controlled substances.

Weapons Trade

Some Dark Web sites offer the sale of illegal firearms, explosives, and other weapons, often to individuals or groups with malicious intentions.

Human Trafficking

Tragically, the anonymity and lack of oversight on the Dark Web have enabled the exploitation of vulnerable individuals through human trafficking.

Cybercrime

Cybercriminals use the Dark Web to engage in activities such as hacking, identity theft, and the distribution of malware and ransomware.

Cybercrime and the Dark Web

1

Hacking

Cybercriminals use the Dark Web to share and sell hacking tools, exploit kits, and stolen data.

2

Identity Theft

The Dark Web is a hub for the trading of personal and financial information, enabling identity theft and fraud.

3

Malware Distribution

Malicious actors use the Dark Web to distribute malware, ransomware, and other tools designed to compromise and