ZeroNet

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This guide will be explaining what ZeroNet is and its history and comparing it to the Tor gateway.

ZeroNet is newer gateway onto the dark web. The ZeroNet browser uses bitcoin cryptography and BitTorrent technology to create a decentralized censorship-resistant network (*ZeroNet Introduction*, n.d.). The way it is decentralized is by downloading all its content onto the users’ machine. ZeroNet is built with a SQL database and then can sync to the host machine with incremental updates (*ZeroNet Introduction*, n.d.).

Three ways ZeroNet is similar to the Tor gateway are that they both allow the user to access the dark web, they both help prevent censorship, and allow near anonymous chatting on forums.

Three ways that ZeroNet gateway is different from the Tor gateway are that Tor provides better near anonymity by default proving the hops, and ZeroNet is downloading from the internet to the machine which could be linked back to their location or machine IP. The next difference between the two gateways is that the Tor gateway in order to reach the dark web, the user must use a separate search engine, that is not needed in ZeroNet. The third difference the two gateways have is that the user does not need to have any internet connection to use the ZeroNet gateway unlike Tor which the user cannot use without internet access. For example, the user could be in the middle of nowhere and still be able to access the dark web but would not be able to with Tor.

References

*ZeroNet Introduction*. (n.d.). ZeroNet. Retrieved February 21, 2021, from https://zeronet.io/docs/