

POST-QUANTUM AGENTS

Overview

Entropy's Post-Quantum Agents connect users and devices into the Entropy Encrypted Network (EEN). The EEN is designed to provide digital super-highways for unparalleled protection and anonymity for data in transit, data at rest, and digital communications using multiple encryption protocols through a one-way proprietary randomization algorithm. The EEN is designed to obscure both the source and destination IP addresses while protecting from analytics and pattern of life (POL) signature development. It is a fully decentralized, end-to-end encrypted, software, and hardware agnostic platform. It can reside and connect all infrastructure to meet the most demanding needs.

EEN uses a suite of Post-Quantum Cryptography (PQC) standardized in Federal Information Processing Standards (FIPS) Publication 203 as Module-Lattice-Based Key-Encapsulation Mechanism (ML-KEM). The EEN takes the FIPS 203 standard and implements the highest level, ML-KEM 1024, in a customized software defined private network (SDPN) delivering untraceable and hidden networking pathways. This robust and resilient transport is flexible as end-to-end PQC or fused between any standard encryption protocols found in commercially available hardware. We meet where you are.

Key Features

A Hyper Resilient Network

- Interconnects the world's highest performance infrastructures to create ultra-resilient SDPNs.

Entropy Encrypted Network (EEN)

- Our untraceable and hidden transport ecosystem removes 99.999% of your vulnerable cyber fingerprints and zero days.

Vetted Providers

- Resiliently connect through our global high speed digital highways and with your preferred providers.

Benefits

- Low probability of detection and interception (LPD/I) because of the anonymous encrypted network that separates sources from destinations for untraceability.
- Hides sensitive data-in-transit & at-rest while removing their unique signatures.
- Anonymously and securely connects decentralized server databases, distributed ledgers and blockchains.
- Protect and obfuscate network platforms.
- Supports the digital last mile.
- Secure IoT, Web 3.0, metaverse, and Industry 4.0.
- Deploy with 5G and 4GLTE through Private Access Point Name (APN) Network.
- Protection and anonymity of PHI and PII information.
- Dark web research.
- Mature platform at Technology Readiness Level 9.

Post-Quantum Attack Resistance

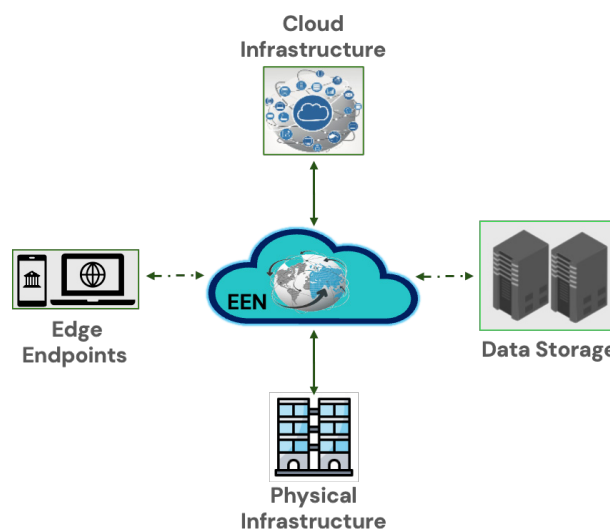
- Employs leading grade security that hides and hardens as the first line of defense. U.S. defense fielded.

Randomization

- Introduces custom randomized one-way pathways, removing reliance on legacy technologies like proxies or TOR.

Research and Development

- Entropy develops innovative security and privacy technologies from the world's brightest minds. The EEN technology suite is patented as a dual-use technology.



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