

## USE CASES: ENTROPYA'S POST-QUANTUM ENCRYPTED NETWORK

HIDE. HARDEN. VERIFY.

Entropy's encrypted private networking technology suite offers unmatched security and anonymity for a wide range of applications. It provides versatile and robust digital superhighways with leading grade security for zero-trust communication and data needs.



### 1. Anonymous & Encrypted Network

Organizations require secure, anonymous communication channels to prevent intrusion and ensure privacy. Entropy's Encrypted Network (EEN) provides one-way and obfuscated pathways that separate source and destination IP addresses, masking you in the noise of the Internet's HTTPS traffic. This approach is ideal for confidential information, assuring against both penetration attacks and internal lateral movement.

### 2. Data in Transit and at Rest

Businesses need to secure sensitive data during transmission and storage to prevent data breaches. Our EEN supports secure data-in-motion and storage using quantum-ready cryptography, encryption, and synchronization protocols to protect your most critical data from sophisticated threats.

### 3. Decentralized Systems

Decentralized systems like cloud databases, distributed ledgers, blockchain nodes, and synchronized storage require secure access. Our solutions provide untraceable secure connections, ensuring data integrity, privacy, and access across distributed infrastructure.

### 4. Network Obfuscation

Networked platforms require advanced security measures to counter persistent cyber threats. Entropy's EEN hides and hardens any network and platform making critical infrastructure unfindable.

### 5. Financial Transactions

Financial institutions rely on secure transactions. The EEN provides quantum resistant end-to-end cryptography to prevent fraud and breaches.

### 6. Digital Last Mile

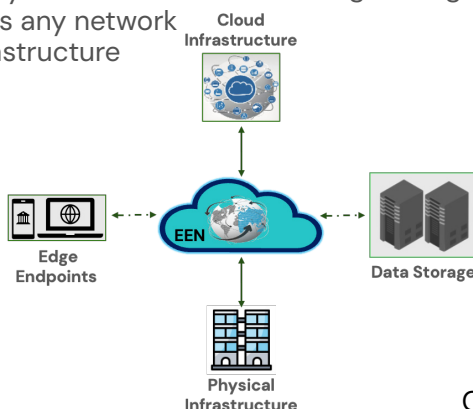
Delivering digital services to end-users requires a highly resilient and secure last-mile connection. The EEN connects space, cellular, fiber, and data center infrastructures into a seamless and resilient private super-highway, delivering quantum-ready digital services for the most remote needs.

### 7. IoT and Metaverse Applications

Emerging technologies need robust security. Entropy provides quantum resistant pathways and data protection for digital transactions, IoT devices, the metaverse, and 5G/4G LTE private Access Point Name (APN) internet access.

### 8. Healthcare

Healthcare providers need to protect Personal Health Information (PHI) and Personally Identifiable Information (PII). Our solutions level up the protection of sensitive patient information using post-quantum hardening to exceed compliance and safeguarding needs.



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