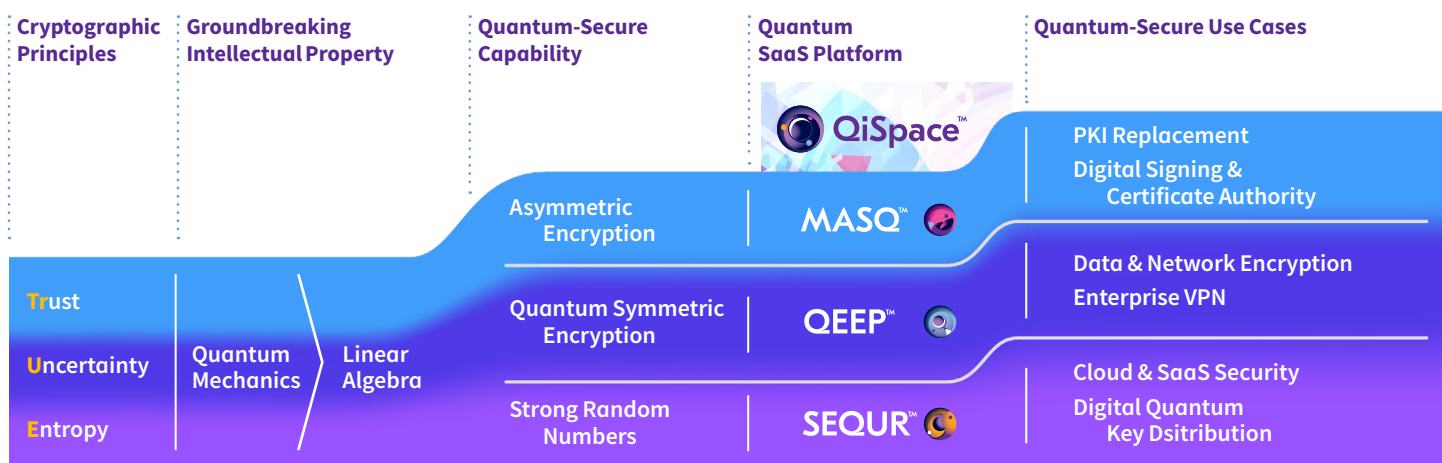**quantropi®**
Bring it on.

QiSpace™

TrUE Quantum Cryptography.
Ultra-High Performance.

With the advent of quantum computers and Y2Q fast approaching, it's critical for your business mission and brand promise to act immediately. Protect your organization against the urgent threat of "Steal Now Crack Later" — and begin transitioning today to a permanent post-quantum security posture.

QiSpace™ is a hybrid SaaS platform that provides enterprises, product managers and application developers with a product suite of cryptographic functions to protect data, networks and systems, now and forever.

Quantropi's TrUE Quantum Cryptography Solution

Cryptographic Principles	Groundbreaking Intellectual Property	Quantum-Secure Capability	Quantum SaaS Platform	Quantum-Secure Use Cases
			QiSpace™	PKI Replacement Digital Signing & Certificate Authority
		Asymmetric Encryption	**MASQ™**	
Trust **U**ncertainty **E**ntropy	Quantum Mechanics → Linear Algebra	Quantum Symmetric Encryption	**QEEP™**	Data & Network Encryption Enterprise VPN
		Strong Random Numbers	**SEQUR™**	Cloud & SaaS Security Digital Quantum Key Dsitribution

QiSpace™ Product Families

MASQ™

Asymmetric Encryption used for Key Exchange, Digital Signature and Zero Knowledge Proof.

QEEP™

Symmetric Encryption based on quantum permutation pads that achieves Shannon perfect secrecy.

SEQUR™

Quantum Entropy Services for the generation and quantum-secure distribution of random numbers and keys.
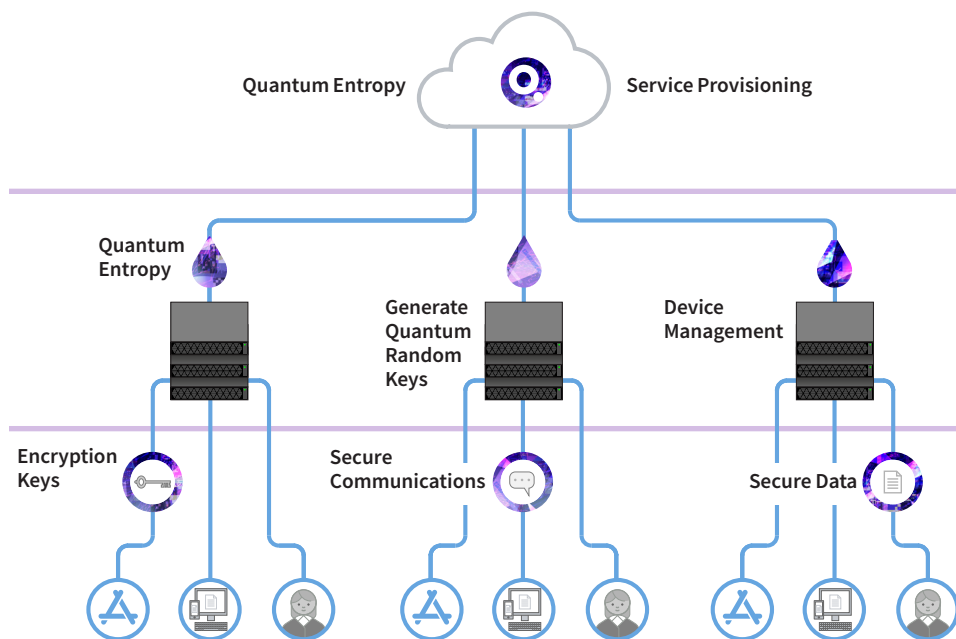
60 Day Free Trial Offer!

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quantropi®
Bring it on.

The QiSpace™ 3-Tier Platform Architecture

Quantum Entropy   Service Provisioning

QiSpace™ Cloud

Quantropi-hosted SaaS Administration portal to generate and supply Quantum Entropy and perform account management (on-premise Entropy option available).

Quantum Entropy

Generate Quantum Random Keys

Device Management

QiSpace™ Enterprise

On-premise/private cloud services to manage Quantum Entropy for private Quantum Key creation & distribution and device provisioning.

Encryption Keys

Secure Communications

Secure Data

Endpoint Layer: Powered by QiSpace™

Software Development Kit to bring the QiSpace™ platform to systems, products and users. Can be used for applications, mobile devices, web sites, files, IoT, etc.

Real-World Performance Highlights

◉ MASQ™
- Crypto-agile asymmetric encryption with support for NIST PQC finalists
- Available Quantropi novel PQC with significantly smaller signature sizes and better performance compared to current PQC finalists

◉ QEEP™
- Quantum-secure symmetric encryption on any IP network or device
- Up to 18x faster than software AES256
- Dynamic code footprint as small as 2.5KB

◉ SEQUR™
- **QEaaS** – Quantum-secure entropy distribution over the Internet leveraging high-performance NIST-certified QRNGs, up to 1Gbps
- **SynQK** – Digital QKD for distributing synchronized random numbers and keys between peers over the Internet quantum-securely
  - Supports ETSI-014 QKD standard; point-to-point and point-to-multipoint key distribution
- **NGen** – Efficient and high-performance local pseudo-quantum random number generation up to 2GB/s

Supported Platforms and Operating Systems:
- Linux, Windows, MacOS, Android, iOS, RTOS
- Common language bindings available

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