secureco

Data and Network Security via Obfuscation

CHALLENGE

The internet is now a principal data transport medium for enterprise networks, connecting businesses internally and with partners and remote workers. The exposure of internet data transmissions and the network perimeter offers an easy target to attackers. Current solutions, such as TLS encryption, VPNs and SASE, do not provide sufficient protection for data, systems and users. Several vulnerabilities remain:

- Eavesdropping and data theft
- Malicious network monitoring, traffic analysis
- Endpoint security for personnel and network asset protection

Several business pain points result, including:

- Expensive mitigation of data breaches, along with negative brand impacts
- Leakage of sensitive intellectual property and loss of competitive advantage
- Interference from adversarial foreign governments in private business affairs
- Personal privacy risk to high value corporate targets, such as VIP executives

> **Defense-in-depth for data transit, using obfuscation tactics to make data far less identifiable and targetable.**

SOLUTION

SecureCo technology goes further than traditional security methods, using obfuscation to protect the data transmission itself from interference or disruption attacks, including eavesdropping, man-in-the-middle, and data harvesting.

- Defense-in-depth for data transit, using obfuscation tactics such as evasive routing and de-attribution to make data far less identifiable and targetable
- Protection against "Store Now, Decrypt Later" (SNDL) quantum computing threats, further supported by the use of quantum-resistant cryptography and a crypto agile architecture
- The ability to establish network connections without open, discoverable ports reduces endpoint exposure and vulnerability for important users and network assets

Benefits

SecureCo's network protection solutions provide the following practical benefits:

- Confidence to operate securely on untrusted public networks, including internationally
- Protect the secrecy of intellectual property, customer data and private communications
- Reduced risk of disruption or ransom attacks, and preservation of business continuity
- Enhanced protection of private identities and communications of executives and VIP clients

The practical benefits above yield several positive business outcomes:

- Lowering risk of data breaches and reputational damage
- Retention of competitive advantages based on R&D investment and preemptive strategy
- Protection against interference from state-sponsored threat actors
- Reduce risk to your organization's most targeted VIP personnel or network assets

High ROI

For the enterprise-scale customer, a SecureCo implementation saves hundreds of thousands of dollars:

- Reduced Risk of Breach
- Overhead Reduction
- Threat Screening Efficiencies

Together with product substitution savings, SecureCo's payback period is less than three months.

POC Trial

We offer a 30-day proof-of-concept trial, which is an easy way for prospective clients to assess ease of implementation, low cost of management, high performance and security benefits. Contact us for a demo today.

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For More Information:

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HOW IT WORKS

SecureCo uses obfuscation to deliver superior data protection. Our SecureCo Stratus data delivery platform continually creates new circuits with randomized routing. This changeable data path makes it difficult for adversaries to stay on target, gather reconnaissance, or stage an attack. We also remove attribution using the anonymizing multilayer encryption popularized by Tor. These methods assure that valuable data is less susceptible to monitoring, interference or harvesting.

Until NIST-approved quantum-safe encryption standards are settled, SecureCo's protective techniques are the best defense against targeted data harvesting for future quantum decryption. SecureCo clients benefit from our crypto-agile architecture, which will immediately adopt the most secure technologies. In addition, we employ a diversity of encryption approaches, including symmetric encryption, which is intrinsically less vulnerable to quantum decryption.

SecureCo's data obfuscation also elevates network security. Our patented rendezvous technology establishes connections without open ports, hiding endpoints from malicious port scans. These obfuscated connections make endpoints such as mobile phones and laptops less exposed. Important end users associated with these devices are significantly safer, with less risk of hackers capturing their identity, location or communications.

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SecureCo's networking solutions are high performance, and do not add meaningful latency to data transmission. Data transit is accelerated via the terabyte backplane of best-of-breed cloud providers. In some cases, data transit speeds are comparable in performance to that of the customer's ISP unburdened by additional security.

Easy to Adopt, Manage and Scale:

SecureCo provides risk mitigation that is compatible with existing systems. Installation is a simple network overlay that co-exists with or replaces other security systems, such as VPNs. Existing solutions, such as ZTNA and SASE, do not provide obfuscation benefits, and SecureCo offers a complementary layer of defense-in-depth.

Installation is simple and requires deployment on the black side of the customer's network environment. Data transit is handled via SecureCo Stratus, our managed cloud-based delivery platform, requiring negligible customer overhead. The service scales flexibly, drawing upon the resources of cloud services to operate at any volume in any geography.

SECURECO is an elite team of innovators and engineers dedicated to creating the most protected and undiscoverable internet connections possible. We offer a next generation replacement for VPNs and traditional network routing, cloaking data exchange, services and assets to reduce network attack surface. Trusted by some of the world's most demanding cybersecurity customers, we deliver assured, high performance data transit for enterprise and government.