REDEFINING SECURITY

Sterci Cloud Services

IDQ partners with Interoute to secure backbone link

1G Ethernet Encryption

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CEO, Sterci*

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*Emad Ghanipour,
Country Manager,
Interoute*

The Challenge

Interoute, owner operator of Europe's largest cloud services platform, provides hosting services to Sterci's Software-as-a-Service (SaaS) offering, GT Suite Cloud Services, within Swiss Data Centres. Sterci is the market-leading financial messaging solutions company and their GTSuite is a comprehensive portfolio of solutions for messaging, reconciliation, business flows, integration and data management for the financial and banking industries. Since 2006 Sterci has provided this as a service offering to financial companies willing to outsource their messaging platform.

Sterci wanted to implement an enhanced transport encryption to match the demanding security of Sterci's financial customers and their SWIFT obligations.

The Solution

Sterci chose IDQ's Centauris Ethernet encryptors, which in partnership with Interoute were deployed across a high-availability and geographically redundant solution between Geneva and Zurich data centers .

According to Mr Simon Kalfon, CEO of Sterci, the ability to ensure high levels of data security underpins Sterci's Software as a Service offering. "Sterci clients are able to benefit from the cost reductions and risk management offered by cloud services, while maintaining a high level of assurance regarding data confidentiality. This has also allowed us to achieve a higher level of compliance with SWIFTReady connectivity best practices, which is an indication of our ongoing search for excellence and which fits alongside our other key certifications FINMA, ISAE 3402, ISO 9001:2008."

Mr Emad Ghanipour, Country Manager Switzerland for Interoute, confirmed that the ability to provide transport encryption is a vital element for the financial sector. "Interoute provides secure colocation and hosting solutions across Europe for our international customers, offering cloud and managed hosting in our ISO 27001, PCI DSS and ISAE 3402 Data Centres. Our partnership with ID Quantique and their transport encryption solution allows us the flexibility to provide this bespoke solution to Sterci and enhance their security further.'

Grégoire Ribordy, CEO of ID Quantique stated: "Working with Interoute to provide security solutions seamlessly to clients under a single SLA is a key part of IDQ's strategy. Clients can benefit from our encryption solutions in ways which fit their business and operational models best and which make such necessary solutions as accessible as possible. IDQ encryption solutions offer simplicity, security and high-performance scalability."

The Results

Interoute and IDQ partnered to provide an enhanced transport encryption solution for Sterci's GTSuite Cloud Services by adding IDQ's high-performance encryptors between data centres in Geneva and Zurich. The partnership between Sterci, Interoute and ID Quantique allowed Sterci to match the demanding security requirements of Sterci's financial customers, as well as their SWIFT obligations.

IDQ's Centauris encryptors are based on the industry standard 256-bit AES cipher (Advanced Encryption Standard), and are certified to the highest commercial standards - Common Criteria EAL4+ & FIPS PUB 140-2 level 3 accreditation. The products are transparent to the network, ensuring 100% of the available bandwidth without packet expansion or loss and with latency under 10 microseconds – all necessary for data center interconnection. Centralised network management tools, and features such as Link Loss Forwarding, ensure easy management & monitoring, as well as network availability. The easy installation and "set-and-forget" functioning minimises ongoing maintenance costs and reduces Total Cost of Ownership.

IDQ's CypherManager software tool provides an efficient and simple method of provisioning and managing the encryptors in real-time, either locally or remotely through a secured SNMPv3 interface. Important security features, such separation of duties and integrated monitoring tools, align the technology with business risk and audit requirements. The secure remote management capability and fully automated group key management allows to scale seamlessly and easily from point-to-point to fully meshed multipoint networks. Furthermore IDQ encryptors are agnostic to network equipment from different vendors, allowing them to work on any third party networks.

The Partners

About ID Quantique SA

ID Quantique is a leader in high-performance multi-protocol network encryption based on conventional and quantum technologies, offering simplicity, security and scalability. The company provides point-to-point and multipoint encryption, monitoring and key management solutions and services to banks, governments and other enterprises throughout Switzerland and Europe. The company also has a global footprint for quantum-based scientific instrumentation products (measuring devices for academic and industrial research laboratories) and random number generators. The company was founded in 2001 and is based in Geneva, Switzerland.

About Interoute

Interoute is the owner operator of Europe's largest cloud services platform, which encompasses over 60,000 km of lit fibre, 8 hosting data centres and 32 colocation centres, with connections to 140 additional third-party data centres across Europe. Its full-service Unified ICT platform serves international enterprises, as well as every major European telecommunications incumbent and the major operators of North America, East and South Asia, governments and universities. These organisations find Interoute the ideal partner for computing, connectivity and communications and developing new services. Its Unified ICT strategy has proved attractive to enterprises looking for a scalable, secure and unconstrained platform on which they can build their voice, video, computing and data services, as well as service providers in need of high capacity international data transit and infrastructure. With established operations throughout mainland Europe, North America and Dubai, Interoute also owns and operates dense city networks throughout Europe's major business centres.

About Sterci

Sterci is an international software author providing innovative solutions for the financial industry. The Sterci suite of products addresses challenging issues such as multi-network access, format transformation, risk management and cost of ownership. Sterci provides in-house or Cloud solutions for messaging, reconciliation, data management, and business flows integration.

Headquartered in Switzerland for 25 years, Sterci services 300 clients in 20 countries with subsidiaries and partnerships in France, Singapore, Canada, USA, UK, Europe and the Middle-East.

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