



Redefining Security

Use Case: Private Bank

Securing Network for Disaster Recovery

10G Ethernet Backbone Encryption



Customer Profile: Private Bank
Industry: Finance
Country: Switzerland

Business need



Secure its mission critical Storage Area Network (SAN).

Solution



Layer 2 Centauris 10G Ethernet encryptor installed to secure 2 redundant links.

Results



100% of the available bandwidth was maintained without packet expansion or loss.

Business need

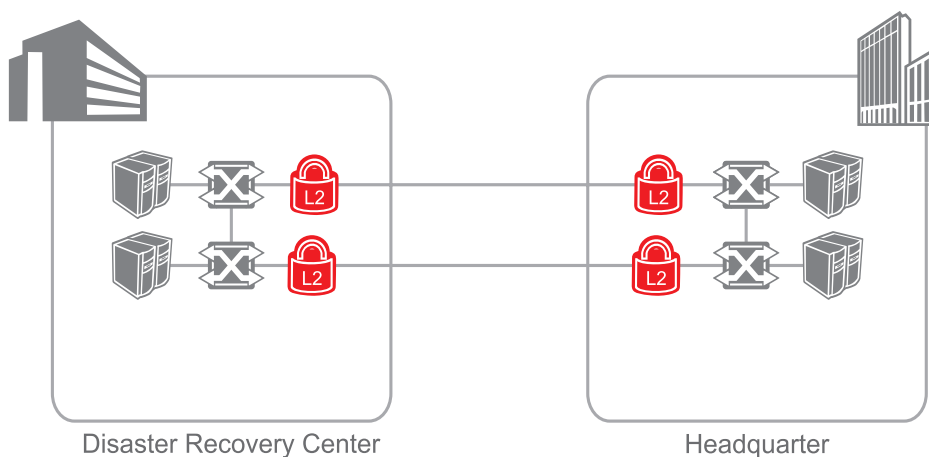
The Private Bank specialises in asset management for private and institutional clients. They needed to secure their mission critical Storage Area Network (SAN). Their credibility and commitment to their customers depended on ensuring the links to ultimate protection of their data and availability of their services.

Solution

The client already worked with ID Quantique (IDQ) before, having used the Centauris 1G encryptors to secure critical links. This time they chose IDQ's Centauris 10 Gigabit Ethernet encryptors. Four were installed to secure two redundant links.

IDQ's products were the only encryptors which combined critical security and networking features with full performance. After deployment of the encryptors, 100% of the available bandwidth was maintained without packet expansion or loss. Advanced network management tools, and features such as Link Loss Forwarding, were critical to the bank to ensure network availability and manageability, as well as compatibility with CWDM multiplexers and other standard network equipment. Prior to the installation, IDQ helped architect the overall solution, providing OTDR measurements of the optical fibers to ensure a high quality communications infrastructure for the bank, and to test the active components on the network.

IDQ's encryptors are based on the leading 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 CM7 software tool provides an efficient and simple method of provisioning and managing the encryptors, either locally or remotely through a secured SNMPv3 interface, ensuring minimal training requirements for the network team. Moreover the “set-and-forget” functioning minimises ongoing maintenance costs. Advanced monitoring tools also allow for real-time alerts or regular configurable reporting for audits, compliance and forensic requirements.

Results

The bank protects its mission critical network links with IDQ's Centauris encryptors, including the redundant SAN links between the headquarters and the DRC.

“ Our credibility and commitment to our customers depend on ensuring the ultimate protection of our data and availability of our services. ”

CIO of the Private Bank