



Börsen AG Clavister Customer Spotlight

Challenge

- When Börsen AG decided to move all its Hamburg affiliates into one single building the goal was to create a more cohesive business unit and achieve synergies in the technical environment.
- High IT availability and effective data security were essential for Börsen to discharge its duties in the strictly regulated financial services arena.

Solution

- For highly available connectivity, two autonomous communications systems with multiple lines are operated by QSC and Colt Telecom.
- Two clustered Clavister Security Gateway 3110 Series provide a joint firewall solution in Hamburg with two clustered Clavister SG57 units in Hannover.
- Clavister systems deliver a wide spread of security and connectivity features such as firewalling, VPN, intrusion detection and prevention, anti-virus, content filtering, high availability and traffic management.

Benefits

- Clavister security solutions ensure high availability of vital stock exchange systems at a low cost.
- Börsen has achieved its business and technology aims of eliminating fragmentation in its systems and introducing technological synergy.

Clavister makes new merged stock exchange systems secure

"Clavister security products met our new post-merger requirements completely and the successful conversion of our IT infrastructure was due particularly to the Clavister solution. Up to now, no compromises with regards to our security concept have been necessary. Clavister's scalable performance and security features have confirmed our decision. We are well-equipped for the future."

Achim Bludau, project manager, Börsen AG.

When Germany's Hamburg and Hannover stock exchanges merged to form Börsen AG they set the foundation for future growth and the birth of innovative ideas. Determined to provide the highest service quality and a best-price strategy for both its investors and corporate stock clients, Börsen has built upon that foundation by merging with a number of other affiliate companies.

These affiliates originally operated from many different buildings spread around Hamburg but that meant they had no common technical infrastructure and were only loosely linked. This fragmentation made management and support difficult and expensive and damaged efficient communication.

Also, security solutions had been adapted to meet the needs of the individual companies and could not cope with the new post-merger requirements. Availability of the old system was inadequate and it was not possible to benefit from central administration. Furthermore, the products had reached the end of their life cycles.

Technical synergy

To rectify the situation, Börsen decided to move all its Hamburg-based affiliates into one single building and the goal was not only to create a more cohesive business unit but also to achieve synergies in the technical environment. Börsen needed to create highly available Internet connections with flexible usage options and effective network security was essential.

Working with solution provider LANtana, Börsen chose a high-performance firewall system from Clavister which includes two Clavister clusters designed to ensure the secure and smooth transition of data between the Hamburg and Hannover exchanges. For increased resilience, multiple communication lines are divided into two autonomous systems which are managed by independent providers, QSC and Colt Telecom. In Hamburg, two clustered Clavister Security Gateway 3110

ABOUT BÖRSEN AG

The Hamburg Stock Exchange was founded in 1558 and is the oldest of the eight stock exchanges in Germany. On September 1, 1999 the Hamburg and Hannover Stock Exchanges merged to form a joint corporate organisation, BÖAG Börsen AG. In addition to traditional securities trading in stocks, bonds and corporate participating certificates, the organisation has ventured into new business areas such as the start up market which brings young companies in need of capital together with venture-capital initiators.

www.boersenag.de

Series boxes provide a joint firewall solution for these two systems and in Hannover, the old solution was replaced by two clustered SG57 Clavister systems.

Effective firewalls

Clavister products protect the data of four organisations – Börsen AG, Fairtrade Wertpapierhandelsbank AG, Fondsbörse Deutschland Beteiligungsmakler AG and Aramea Asset Management AG. Börsen AG provides the comprehensive solution for the other three companies and the four employ a total of 75 people.

The new solution was designed not only to secure the company network but also to ensure access to the CEF real-time price data stream of Börsen AG and the Xontro trading system which are used by both exchanges. Central data processing, particularly the processing of real-time price data streams, takes place in Hamburg and data is transmitted to Hannover via the cluster. A redundant Internet connection provides critical availability and security.

The granularity of the Clavister systems supports all Börsen's requirements. They deliver a wide spread of security and connectivity features such as firewalling, VPN, intrusion detection and prevention, anti-virus programs, content filtering, high availability, clustering and traffic management.

High availability

Achim Bludau, project manager at Börsen AG, explained, "The new Clavister solution has functioned flawlessly so far, so much so that it has not been necessary to put the emergency support to the test."

Börsen benefits from the extremely short latency periods provided by Clavister because the individual data packets stay in the firewall for only a very brief period. Vital high availability is delivered at low cost and the anti-virus

program and content filters are effective complements to the other protection systems. Because of these many advantages, Börsen will continue to rely on Clavister security solutions into the foreseeable future.

About Clavister

Since 1997, Clavister has been delivering leading network security solutions, providing commercial advantage to tens of thousands of businesses worldwide. The Clavister family of unified threat management (UTM) appliances and remote access solutions provide innovative and flexible network security with world-class management and control.

Clavister has pioneered virtual network security, and this along with its portfolio of hardware and software appliances gives customers the ultimate choice. Clavister products are backed by Clavister's award-winning support, maintenance and education program.

Headquartered in Sweden, Clavister's solutions are sold through International sales offices, distributors, and resellers throughout EMEA and Asia.

To learn more, visit www.clavister.com.

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