

EMAIL AND WEB TRAFFIC CONTROL AT A GLOBAL IT PROVIDER



THE CUSTOMER

As an internationally active IT specialist and multi-cloud service provider, the customer supports well-known companies in their digital transformation. As a global IT services provider, it features high technical understanding, industry know-how, and a clear focus on customer needs. It develops innovative IT solutions, brings its customers into the cloud, integrates digital processes, and takes over the operation and support of IT systems. The company headquarter is located in Germany.

THE CHALLENGE

The customer's clients are scattered all over the globe. It serves these clients via its distributed data center sites worldwide. It must provide secure internet access to online services for its clients, including web and email. As a result, the customer needed an on-prem perimeter security solution in its data centers to control internet access for one of its clients. It searched for a customizable, yet cost-efficient solution complemented by flexible support services. It faced a challenge to find such a solution among major security vendor offerings.

THE SOLUTION

Eventually, they discovered Balasys's own developed network security suite. Balasys offered a highly flexible, multipurpose security solution that can granularly control internet traffic to protect enterprises from external threats. The core component of the solution is an application-level proxy gateway that provides deep packet inspection (DPI) of regular and encrypted communication with the capability to filter and modify traffic content.

Adapting to the customer's distributed IT environment, Balasys's engineers deployed:

- Two production gateways in two data centers in Germany
- Two reference (pre-production) systems
- Two systems for testing purposes.

All six systems run as standalone virtual machines in VMware environments. Production nodes have the same policy rules configured.

The implemented systems control network traffic via SMTP(S), POP3(S), IMAP(S), HTTP(S), and FTP protocols. The users' web and email traffic are continuously scanned for malware and spam. URL filtering is also deployed for the HTTP traffic. With Balasys's solution, the provider can control the destinations allowed for users and filter email traffic for unwanted messages.

In addition, automatic configuration backups and monitoring of system parameters are also implemented for optimization purposes.

Balasys network security modules and services used by the customer:



RESULTS

Balasys's network security solution helps the customer control its client's user activities on the internet and protect its internal network from web-based threats. The complete solution protects 16,000 endpoints and also filters traffic content in a high-availability environment. Thanks to the flexibility of Balasys and its engineers, the TCO of the implemented solution is significantly lower than similar solutions from major firewall vendors.

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