

QTrust Server

Trusted Infrastructure Appliance

DATA SHEET



We know the difference.

- Reducing complexity increases security
- Security versus function – a balancing act
- Security isn't a feature that you can buy; rather, it is a range of processes and solutions that are perfectly matched

QTRUST
SERVER

QTrust Server

is a highly secure solution that has been designed for the particular security requirements of companies handling data that needs to be protected. As an application-level firewall, QTrust Server unites application and network security functions in an easy-to-administer appliance.

The QTrust Server acts as the interface between secure and non-secure networks, and it prevents any and all exchange of data between the connected networks. The QTrust Server decouples and checks all connections – both at the network (IP) and application levels.

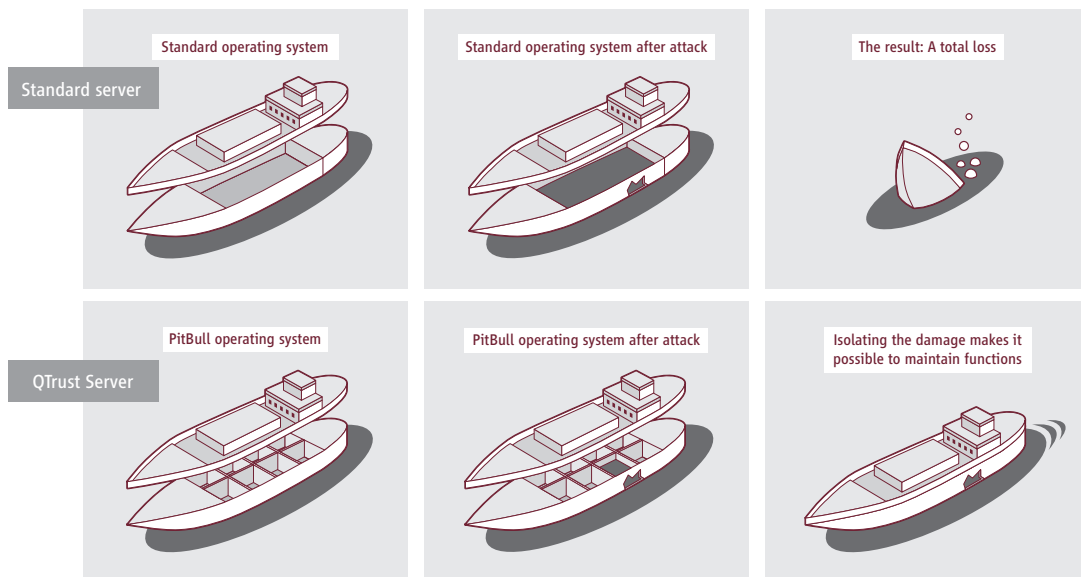
All the services on servers in the internal networks or the DMZs are mirrored outwards by the QTrust Server. In its role as an intermediary (secure gateway), the QTrust Server carries out communication and protects the systems behind it using the sandbox principle.

In addition to Application Proxying and Content Scanning, the QTrust Server has a comprehensive range of logging and reporting functions that allow you to carry out detailed diagnostics. When attacks occur, the integrated Intrusion Detection System (IDS) triggers an alarm and the attacker can then be blocked directly (IPS).

The QTrust principle

means that all the services on the QTrust Server are completely separated from one another by the underlying mechanisms of the Trusted Operating System. This PitBull technology is embedded in the operating system core – in the kernel – and protects the entire system at the highest levels, which has generally only been available for military and classified intelligence applications. Each module or service runs on a completely isolated basis from the the other services in the system as if they were on different computers. Individual modules or services either cannot communicate or they can only exchange data with one another with controlled and strictly limited regulation. This means that an attack on one of the services has no effect on the other services. They remain completely untouched.

Only PitBull technology makes it possible to offer this highly complex range of functions in an extremely secure central system. The QTrust Server has available all the necessary interfaces and standards that are necessary for a Security Appliance. This makes possible seamless and problem-free integration into existing infrastructures at any time. The QTrust Server with the Trusted Operating System provides the basis of implementing the QTrust IT Security Strategy 2.0.



> **DATA AND FACTS**

Product category

- Infrastructure Appliance/ Application Level Firewall

Key Features

- Based on a Trusted Operating System
- IT Security 2.0 Compliant
- Multilevel Firewall and Gateway
- Control of the data flow in all directions
- Omnidirectional mirroring of all services
- Highest levels of availability and service based on HP or Stratus ftServers
- Full-managed service possible by QLine
- Basis of the highly secure QTrust 2go application access

Gateway/Router

- Up to 20 routed networks (internal, external, demilitarized zones/DMZs)

Firewall

- Package filters and Stateful Inspection
- Graphic administration (Drag&Drop) with plausibility checks
- Web Application Firewall (WAF)

Application Proxies/Load Balancers

- SMTP, HTTP, HTTPS, DNS amongst others
- Forward and Reverse Proxying
- Network Load Balancing

HTTP secure proxy for clients

- Improved Internet performance
- Reduced traffic
- High level of security for the clients

Content/virus scanner

- for HTTP/HTTPS, FTP, SMTP/e-mail

Spam filter

- for SMTP/e-mail

VPN gateway

- QTrust 2go: Highly secure application access
- IPsec, OpenVPN, VTUN, PPTP
- for LAN-to-LAN between sites
- PC-to-LAN for off-site access

Authentication mechanisms

- PKI, Active Directory etc.

High availability and scalability

- by clustering several QTrust Servers
- due to highly available systems

Logging and reporting

- Traffic evaluations
- Access evaluations
- Security evaluations (IDS)
- Web use statistics

Integrated secure SNMP support

- Integration in system management systems

Integrated Intrusion Prevention System

- to securely repel attacks

Easy administration

- role-based administration
- Web-based administration
- graphic configuration tools

Based on PitBull technology

For more information about our QTrust products, visit www.qtrust.de