

## Security Appliances

High secure high-end **firewalls** developed for critical operation with high requirements for security, availability, comprehensive support and reliable, trusted systems.



## **.vtFW-C1**



### **Network Firewall**

The stable and high-quality Firewall

## **.vtFW-C2**



### **High-Level Network Firewall**

The stable and high-quality Firewall for heavy data throughput

## **.vtFW-HA1**



### **High-End Network Firewall System**

The highly available and redundant Firewall System

## **.vtFW-EM1P**



### **ROBO Firewall**

The optimal Remote and Back-Office Firewall

## **.vtFW-EM2P**



### **COLO Firewall**

The optimal Office and Co-Location Firewall

## **.vtFW-XL1**



### **Intelligent EDGE Firewall**

The firewall module for HP ProCurve 5300xl switches

## Trusted Proactive Security

The .vantronix software platform is based on **OpenBSD**, the high secure Open Source operating system. Only one remote hole in the default install, in more than 8 years.

## Clear Pricing

.vantronix' clear pricing offers a low TCO and leverages existing systems to deliver proven ROI fitted for the needs of our customers:

The license allows an unlimited number of users and connected systems per appliance; it is therefore only limited by the performance of the used hardware model.

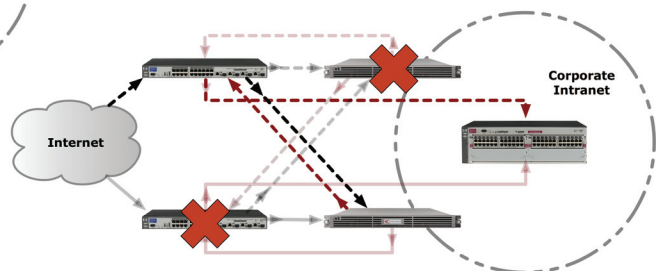
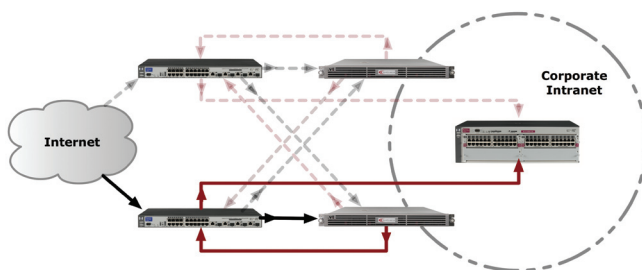
The .vantronix Security Appliances provide the same features for the whole product series. All ports, the number of users and features like VPN, loadbalancing, routing and **.vantronix | preinspection** are included without any extra fees our licenses.

## HA Ready

The support for high-grade redundancy allows operation as a fail-safe, highly available system.

- **All** .vantronix Security Appliances support HA (High Availability).
- **Stateful Failover** allows an uninterrupted operation in the case of a failover.
- Active/passive and active/active HA-setups are supported.

*We advise the use of 3-way redundant systems to guarantee uninterrupted and redundant operation even in the case of maintenance or service upgrades.*



## Pre Inspection

The .vantronix principle is different from conventional UTM and IDS/IPS solutions:

.vantronix | **preinspection** is an early detection of anomalies and avoids problematic signature-based inspections, with a positive impact on false-negative and false-positives, an increased security and a better overall performance.

Conventional signature-based „Deep Inspection“ systems can cause considerable security problems. A tiny bug in the numerous and heavily complex protocol inspectors may lead to a security hole in the entire system. Security's worst enemy is complexity.

In contrast, .vantronix | **preinspection** detects protocol anomalies instead of data anomalies for early countermeasures against possible attacks. And IDS/IPS systems can additionally be used behind the proactive protection of the .vantronix Security Appliance.

## Layer 7 Filter

The integrated application-level filter are used for protocol-specific analysis and defence against abnormal and malicious intrusion attempts.

- Use of .vantronix | **preinspection** technologies as a protection against DoS-attacks, mail „SPAM“ and malicious intrusion attempts.
- Integrated optional HTTP proxy with white- and block-lists, to be used as an URL filter or „Wallet Garden“.
- Numerous NAT-helpers to handle problematic internet protocols.

## Proven in multi-vendor scenarios

The proven multi-vendor operation gets Trusted Proactive Security in existing firewall setups. No matter if the firewall of another vendor is protected by an upstream .vantronix Security Appliance or the .vantronix Security Appliance is slightly relieved from activity, multiple reasons may speak for multi-vendor scenarios.

### „First and second Line of Defense“

The German Information Security Agency (BSI/GISA) suggests multi-vendor firewall solutions.

## High-performance with HP ProLiant servers

For the high-end 64bit appliances, .vantronix counts on the high-grade **HP ProLiant servers** by Hewlett-Packard. The servers and the .vantronix software platform is highly integrated and optimized.

The unique HP Care hardware support by Hewlett Packard offers an unbeatable service and support for the reliable hardware platform. The .vantronix Security Appliances include the HP Care Packs, like the 3Y/24x7x4 hardware support for the .vtFW-C2 and the .vtFW-HA1 product models. And as a matter of course, this is an international support.

## 10 Gigabit Ethernet ready

The .vtFW-C2 and .vtFW-HA1 can be upgraded to 10 Gigabit Ethernet support by purchasing an optional 10GE module. And this ideally fits to the 10 Gigabit Ethernet switches by **HP ProCurve**.

## Optimized for HP ProCurve Networking

The .vantronix firewalls are optimised for the operation with network components by HP ProCurve. In combination with the powerful and intelligent gigabit switches highly redundant and available networks can be realised. The outstanding performance even under a high load and the powerful software of the ProCurve switches optimally fits to the high quality of .vantronix firewalls.

Combine the Trusted Proactive Security of the .vantronix firewalls with the **HP ProCurve Adaptive EDGE architecture**.

Optimised interaction between switches and firewalls, amongst others through:

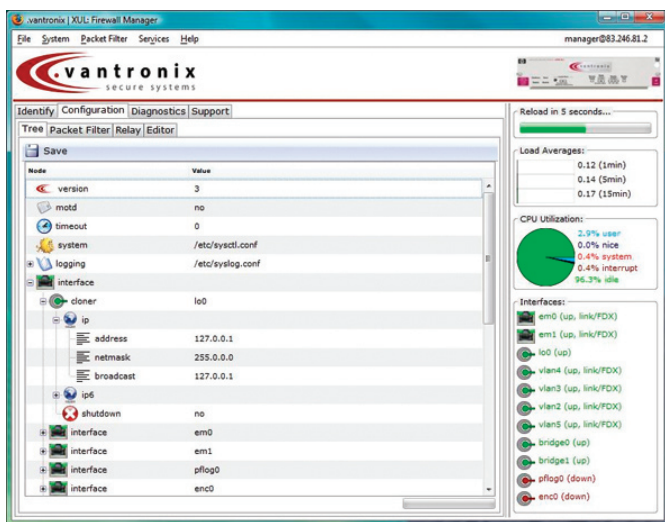
- High performance Gigabit Ethernet
- Layer 2 trunking (link aggregation) of Ethernet Ports
- LLDP (Link Layer Discovery Protocol Agent)
- Secure remote access via OpenSSH
- Multi protokoll interoperabilität (IEEE 802.11q VLANs)
- HP ProCurve lifetime warranty
- Consulting, support and design of network infrastructures

# Command Line Interface

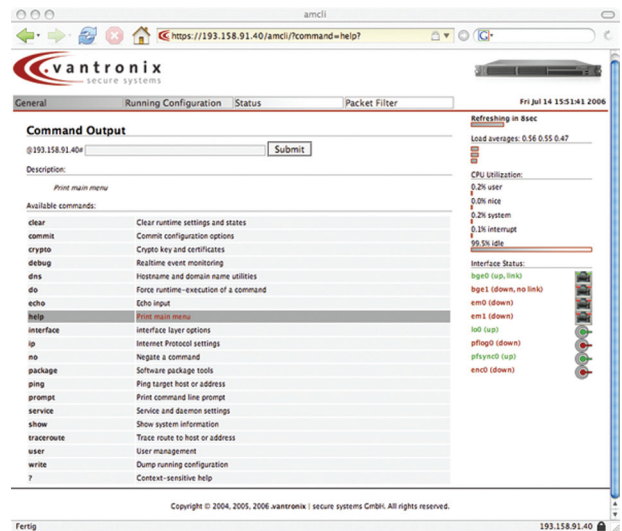
## Sophisticated Administration

The .vantronix Security Appliances have been designed for professional network administrators, by supporting network management systems (NMS) and an unique CLI.

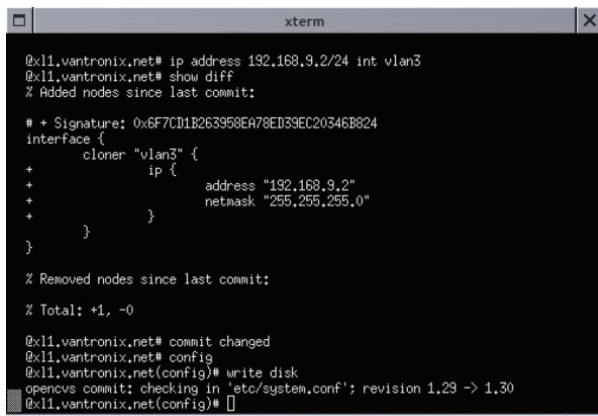
The modular .vantronix | **amcli** provides a comfort of an industry-standard CLI and sets the benchmark with trendsetting features and innovations.



.vantronix | Firewall Manager



.vantronix | WebCLI



.vantronix | amcli

- Professional and industry-standard command line interface.
- Seamless integration into an OpenBSD-based operating system.
- Integrated configuration change management and rollback support.
- Multi-user capable with multiple manager and operator user levels.
- Simple, text-based imports and exports of the system configuration.
- Optional configuration export as XML.
- Easy to learn with a scalable concept.
- Integrated and context-sensitive help function.
- Easy change from other systems like Cisco PIX.
- Accessed with the secure shell, SSH version 2 (powered by OpenSSH).
- Optional browser-based administration with the **WebCLI**.
- Advanced administration with the **.vantronix | Firewall Manager**

## Deterministic Release Updates

A new stable software release will be released every six month. This provides an optimal and unique planning reliability. There will be security and errata-fixes between releases and up to three release versions are guaranteed to be maintained.

## Comprehensive Support

.vantronix offers a high-grade, fast and active Support in cooperation with the .vantronix partners. Companies protected by .vantronix Security Appliances can take advantage from the Comprehensive Support program and appropriate and professional response times.

## Representative References

Numerous world-wide references approve the security and the quality of the **.vantronix** Security Appliances the contained **OpenBSD** operating system.

Many companies and security-aware users count on the unbeatable security vantages- financial business, military, public authorities, ISPs and all kinds of medium-size up to enterprise companies.

## Made in Germany

**Made in Germany** is a term for first-class quality, reliability and security. The .vantronix Security Appliances are **developed in Germany** with international benefit from the Open Source community of the OpenBSD project.

Customer-specific modifications and a professional support is provided by .vantronix developers and consultants. .vantronix offers a fast response to customer requirements as optional extensions or integrated features of future releases.

# Trusted Proactive Security

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Generation 2b - 2007/11/01