

secunet (wall)

A Powerful Firewall – Modular and Fully Scalable



Benefits:

- » Fast and easy to integrate into existing networks
- » Ideal for large infrastructures
- » GUI-led, fast and easy administration
- » CC EAL 4+ certified
- » Stable cluster mode
- » Remote updating supported

Firewalls are essential components when implementing network security concepts. As a mature, open source-based security solution, the secunet wall firewall solution sets a new standard. It offers compelling functionality, reliability and ease of administration. It provides very high security standards for a low capital outlay. secunet wall is also flexible and scalable to the specific needs of the customer.

Concept

secunet wall comprises a solution set of Linux-based firewall components that enable the controlled transfer of data on a defined interface between internal and external networks or between segments of an internal network. The overall solution offers the option of constructing a modular firewall system that corresponds to the current state of security technology in a very short time.

The packet filters are the components that provide the actual protective function. The management system enables easy control and administration of the production systems. Monitoring and logging takes place via a central syslog service that can be installed on the management station, for example. The functionalities of the protective systems can be adapted to

the required levels with great precision by the management system. Other benefits are transparency of the source code in the software used and the ability to run it on a wide range of x86 PC hardware, from “budget” to high-end.

New features in release 5.1

- LDAP connection to central user administration
- Universal implementation of the auditor account
- Expansion of the logging functionality
- 64-bit support for packet filters
- Expansion of the hardware support

What can secunet do for you?

The basis for planning robust protection of the network against unauthorised access is a security policy that covers all security-related requirements in the security solution to be created. With its experience from numerous successful projects, secunet can provide support with the generation of such a concept.

The breadth of our services ranges from design, planning and configuration to maintenance and support for system solutions. This includes adaptation of the individual components to the structures of the specific usage environments.

Performance features

- Use of a Linux system minimalised and hardened under security conditions
- Long-term storage of configuration data and rules, e.g. to HDD or USB memory stick
- IP filter mechanisms (iptables/netfilter)
- Detailed logging
- Simple, fast roll-out even in large environments
- Secure, flexible, GUI-supported central administration
- Configuration and software updates via push service
- Generation of audit data on the packet filters
- Central querying of all audit data via the management system
- Effective recovery via CD/USB boot concept (e.g. after a power or hardware outage); installation on hard drive optional
- Combination of the high security standards of a hardware solution with the flexibility of a software firewall
- Role separation between administrator and auditor limits configuration errors and increases security
- Investment security through constant use of open source projects
- Integration onto in-house hardware possible
- Simple licensing model, user- and IP address-independent licensing based on the number of production and management systems
- Scalable, powerful hardware with the ability to upgrade to 10 Gbit interfaces

Management and production systems

Included in delivery:

	secunet wall Management	secunet wall Packet filters	secunet wall Entry Level
Interfaces			
Network cards	4 x 10/100/1000 Mbit	10 x 10/100/1000 Mbit	6 x 10/100/1000 Mbit
Accumulator			
Hard drive	2 x HD SAS 12G 300 GB*	2 x HD SAS 12G 300 GB*	SSD SATA 6G 120 GB 3.5"
RAM	8 GB*	8 GB*	4 GB
Temperature			
Operation	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C
Dimensions			
Width	approx. 483 mm (bezel)/435 mm	approx. 482.4 mm (bezel)/445 mm	approx. 482.6 mm (bezel)/435.4 mm
Height	approx. 43 mm	approx. 46.6 mm	approx. 42.8 mm
Depth	approx. 724 mm	approx. 770 mm	approx. 572 mm
Weight	approx. 16 kg	approx. 25 kg	approx. 13 kg
Service			
Guarantee	36 months	36 months	36 months

* Basic configuration, combined with the service package

Configuration of DMZ networks with one or more production systems is also easily possible. The production systems and management system are not subject to any artificial limitation in terms of number or type of protected system. The packet filters have a separate management interface for communicating with the management station. These interfaces can be logically connected with the management station via the existing production networks or via a dedicated, separate network. With a separate network, the option of managing the components can be guaranteed even in the event of a high network load on the production networks. The impact of DoS attacks can also be circumvented in this way.

Cryptographically secured protocols are used with the security-related functions for communication between the management station and the components. Remote administration is carried out via SSH and is possible with public key authentication. Management stations can also be set up with redundancy. The management system can be installed on an existing Linux system. The Linux distribution required for this is not part of the system.

More information:
www.secunet.com