clavister®

CONNECT . PROTECT

- High-performance Service-Based Firewall for data center protection up to 40 Gbps

- Integrated BGP router, replacing expensive extra router equipment

- SSL inspection allowing Intrusion Detection and Prevention system (IDS / IPS) for server traffic

- Swedish Innovation - #NoBackDoors

Service-Based Firewall

Clavister NetShield P40 Pro

Introducing Clavister NetShield P40 Pro, the Service-Based Firewall delivering Secure protection for data center perimeter and solving distributed architectures for critical infrastructure networks with carrier grade requirements. The product provides an Intrusion Detection and Prevention System with high throughput at a competitive price point. In addition to the nine (9) built in copper gigabit ports, up to two interface modules with the choice of 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) and 4 x 10GbE (SFP+) can be added.

The NetShield P40 Pro does not only include all data center perimeter firewall features expected, it also handles routing using both BGP and OSPF proto-cols, obsoleting the use of expensive routers for high availability setups and enabling direct connectivity to multiple peering partners.

Services-Based Firewalls

The Services Based Firewall (SBFW) is a revolution-ary product that answers to the need of modern network users and administrators. Born from the 3GPP standardization of Service-Based Architecture designed for the next generation 5G networks the SBFW adds today critical security functionality to fixed, mobile and data center networks.

Selected Use-Cases

Network and Server Attack Protection

Integrated Intrusion Detection/Prevention System (IDS/IPS) scanning traffic in real time to search for known malware. Smart IPS Scan Depth Control functionality enables scanning performance over 11 Gbps.

Secure Server Protection

Server SSL traffic decryption for full inspection of inbound traffic. Traffic forwarded to web server can be sent unencrypted, saving resources on web server farms.

Control Signalling Validation

Stateful inspection and gateway function for specific signalling protocols including DNS, SIP, GTP and SCTP, providing protection from malformed packets and overload situations.

Carrier Grade NAT

High performance IPv4 – IPv6, IPv4 - IPv4, IPv6 - IPv4 network address translation where IP addresses from the external pool can either be allocated in a fixed, stateful or stateless fashion.

Resilient Interconnect Connectivity

Functioning as an edge router with Border Gateway Routing (BGP) enabling connectivity to multiple peering partners simultaneously. This secures uptime and business continuity with high availability and automated failover routing.

Active Traffic Optimisation

Patent pending traffic shaping algorithms that help with prioritisation of traffic flows and secure preferred use of resources.

Performance and Capacity	Clavister NetShield P40 Pro
Firewall Performance (plaintext throughput)	40 Gbps
IPsec VPN Performance (large packets)	3 Gbps
Maximum Concurrent Connections	5,000,000
Maximum Concurrent IPsec VPN Tunnels	5,000
Maximum Number of Users	Unrestricted
Ethernet Interfaces	9 x 1GbE (RJ45)
Expansion Slot	Two (2) slot, supports: 8 x 1GbE (RJ45), 8 x 1GbE (SFP), 2 x 10GbE (SFP+) or 4 x 10GbE (SFP+)
Support for High Availability (HA)	Active/Passive and Active/Active

#NoBackDoors and Third-party Access Restriction

Clavister hereby certifies that Clavister products do not contain any "backdoors", meaning that there are no mechanisms deliberately incorporated that would allow a company or an organization to access or control a Clavister product without prior acceptance from the administrator of the product in question.

John Vestberg, CEO, Clavister

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