NetWall Virtual Series

Clavister's latest addition to its line of Virtual Next Generation Firewalls with SD-WAN capabilities

Clavister's NetWall Virtual series offers next-generation firewall (NGFW) capabilities for uCPE deployments and data centers, ideal for distributed office deployments and large scale hostings. Designed to prevent cyber-attacks, reduce complexity, and lower your costs.

Clavister NetWall Virtual series architecture is engineered to deliver enhanced network visibility, protection, and performance to help IT managers and system administrators to address some of the greatest challenges facing networks today. These Virtual NGFWs address growing breaches and protects against emerging threats with industry-leading Secure SD-WAN in a simple, affordable, and flexible to deploy virtual appliance.

Highlights

- Easy-to-deploy & flexible as uCPE based SD-WAN spokes

- Easy Provisioning using cloud technology

- Fully enabled Next Generation Firewall feature-set

- SSL VPN to support secure remote working with Windows, macOS and iOS clients included

- Simple to deploy new firewalls using custom configuration templates with centralized management tool

- Included with cloud analytics tools to provide real-time troubleshooting and overview dashboards

- Unique CyberSecurity Score for simplified actionable security analytics

- Application Visibility & Control with high granularity and support for over 3000 unique applications

- Integrated Intrusion Detection/Protection System with real-time updates.

- Botnet and denial of service (Dos) protection through continuous updated IP Reputation feeds

The release of NetWall Virtual series expands Clavister's security ability to deliver enhanced security capabilities across SD-WAN and NGFW solutions, suitable for public sector deployments.

Solution Deployment Scenario

Next Generation Firewall (NGFW)

- Reduce the complexity and maximize your ROI by integrating threat protection security capabilities into a single high-performance network security appliance running as a virtual machine on Intel and ARM based hosts

- Empowered by Clavister's eco-system, it provides full visibility into users, devices, applications across the entire attack surface and consistent security policy enforcement

- Protect against network exploitable vulnerabilities with industry validated IPS (Intrusion Prevention System) that offers low latency and optimized network performance
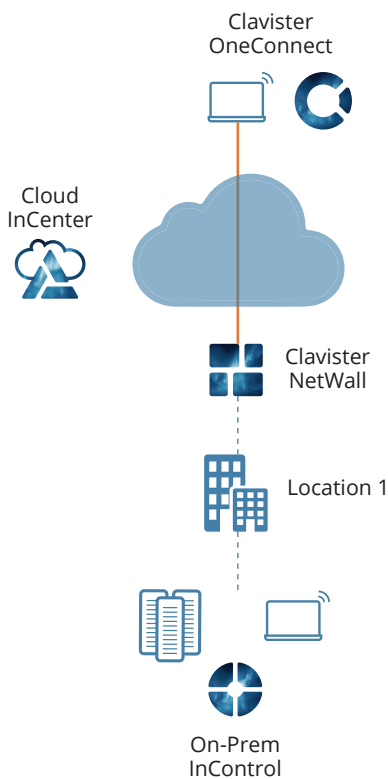
Secure SD-WAN

- Ideal as virtual SD-WAN spoke running on uCPEs with simplified deployment and maintenance routines, saving cost at the same time

- Route failover, traffic prioritization and shaping use-cases with application detection supporting over 3000 unique apps

- Strong security posture with integrated security capabilities and real-time threat protection

- Centralized management with auto-provisioning, analytics, and reporting to reduce day-to-day management, increase productivity and scale your security without scaling your team at no extra cost
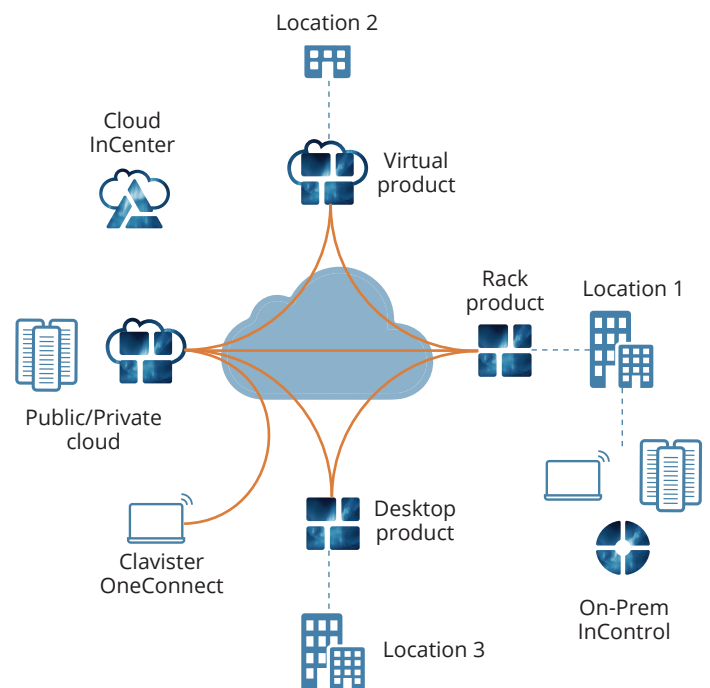
Security Use Cases

Connect

	Reliable Secure VPN Connecting branch offices and remote locations securely and cost effectively
	Routing & Load Balancing Avoid downtime and secure business continuity with redundancy
	Secure Network Zones Network segmentation to protect company's digital assets
	Server Load Balancing Simplifying scaling and allowing preventive maintenance
	Secure Remote Access Empowering remote workers and devices with flexible secure access

Protect

	Firewalling Network Firewalling securing IT resources and users
	Network Attack Protection Intrusion detection and prevention system and Denial of Service protection
	Antivirus Scanning Streaming scanning of attachments in mail, web and file downloads for malicious content

Prevent

	Active Traffic Optimisation Traffic prioritisation securing preferred use of resources
	Captive Portal Authentication Integration with Active Directory and 2FA procedures for open network access
	Botnet Blocking Block outgoing and incoming traffic through IP reputation
	Web Content Filtering Restrict access to inappropriate content and high risk sites
	Application Visibility & Control Control applications and user behaviour to optimize network resource usage

Products & Services Included

	24/7 Support (online & by phone) Integration with Active Directory and 2FA procedures for open network access
	Centralized management with Clavister InControl
	Clavister OneConnect SSL VPN Client for Windows and macOS
	Security analytics Analyze your security thoroughly with Clavister InCenter Cloud
	Software upgrades New features & maintenance releases
	InCenter on-premises Optional Clavister InCenter on-premises installation
	CyberSecurity Score For simplified actionable analytics
	Signature updates From eco system partners for all the protect and prevent use-cases

Clavister Security Eco-System

Clavister works with many of the world's leading technology companies to improve manageability, strengthen security and ensure faster and more successful deployments. Integrated into the Clavister Next Generation Firewall is an ecosystem with the best of breed components empowering key use-cases named in this paper. Feeds are updated in real-time through the Clavister provisioning network to ensure the latest signatures are deployed for optimal protection.

Read more at www.clavister.com/eco-system.

Security Subscriptions

Clavister delivers several security services to empower the NetWall Virtual platform. You can easily optimize the protection capabilities of your NetWall Virutal series with one of these security bundles.

	Essentials	Enhanced	Premium *
Basic Firewall Features	●	●	●
Application Control	●	●	●
Clavister InCenter Cloud	●	●	●
Device Inteligence	●	●	●
Antivirus		●	●
Web Content Filtering		●	●
IP Reputation		●	●
Clavister OneConnect		●	●
SD-WAN Features		●	●
NetEye License/Service			●
(NetEye VM for free, Hardware at cost)			●

* Only available för Rack-mounted NGFW models

* SSL inspection is only avaliable for the premium subscription.

Clavister NetWall Virtual Series Specifications

Clavister NetWall Virtual Models	100V	500V	1000V	2000V	4000V	6000V
Firewall Performance (plaintext throughput)*	100 Mbps	500 Mbps	1 Gbps	2 Gbps	4 Gbps	6 Gbps
IPsec VPN Performance (large packets)	100 Mbps	500 Mbps	1 Gbps	2 Gbps	4 Gbps	6 Gpbs
Max Concurrent Connections	8,000	16,000	64,000	128,000	256,000	512,000
Max Concurrent IPsec VPN Tunnels	50	250	500	500	1,000	1,500
Max Concurrent L2TP/PPTP/SSL VPN Tunnels	50	100	250	250	250	250
Max Number of Routing Tables (Virtual Routers)	25	25	50	50	100	100
Ethernet Interfaces	Up to 10	Up to 10	Up to 10	Up to 10	Up to 10	Up to 10
Max Number of VLAN Interfaces IEEE 802.1Q	128	128	128	128	128	128
Support for High Availability (HA)**	Yes	Yes	Yes	Yes	Yes	Yes
Form Factor	Software					
Supported Virtual Platforms	VMware ESXi, KVM, Hyper-V					

* Actual performance may vary depending on network conditions, number of activated services and host hardware capabilities.

** When using High Availability clusters in virtual environments, the hardware settings for each interface must be identical on both cluster nodes (bus, slot and port).

Central Management and Control

All Clavister Virutal series can be administered individually via a web interface, but a license to use the central management Clavister lnControl is included. The solution offer zero-touch deployment, simplified ways to provision and manage a Secure SD-WAN deployment and firmware upgrade management capacities.

Learn more at www.clavister.com/incontrol

Real-Time Cloud Analytics

Clavister lnCenter enables IT administrators to gain insight into their networks. Clavister In Center provides all the user stories including forensics with log search, dash boarding and reporting as well as health monitoring. A hosted version of Clavsiter lnCenter Cloud is included with each Security Subscription, and alternatively lnCenter is available for on-premises deployment as well.

Learn more at www.clavister.com/incenter

Simplified Actionable Security Analytics

Helping IT Managers and their executives to communicate about the status of their security infrastructure and ensures that funds and efforts are spent where they matter the most - this tool is included in Clavister lnCenter vailable to al l Clavister NetWall with a Security Subscription.

Learn more at www.clavister.com/cybersecurity-score

Simple Secure Remote Working

Clavister OneConnect is our SSL VPN windows, iOS/iPad OS and macOS client that offers a simple and easy to use solution for remote access and is included in Clavister's NetWall.

Learn more at www.clavister.com/oneconnect

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