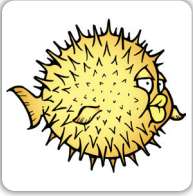


# 4.7

## The new .vantronix Firewall Release FW.47.

.vantronix releases a new software version of the .vantronix Firewall Operating System (.vtFOS) every six months. The new version includes some important new features, extensions and improvements compared to the previous FW.46 release.



### Powered by OpenBSD 4.7

The latest .vantronix software platform is based on OpenBSD 4.7, the world's most secure operating system that emphasizes portability, standardization, correctness, proactive security and integrated cryptography. OpenBSD 4.7 features significant improvements in networking, security and scalability and includes some of .vantronix's contributions in these areas.



### The Advanced Intelligent Edge Firewall

The new .vantronix Firewall ZL2 is the second generation routing firewall for HP Networking E5400/E8200 zl series switches. The initial release of the ZL2 is running the FW.47 software platform on the new HP AllianceONE Advanced Services zl Module and was tested and certified by HP. The ZL2 enables powerful features like MPLS, BGP and IKEv2 in HP Networking E-Series switches.



### Next Generation VPN with IKEv2

Virtual Private Networks (VPN) allows interconnected remote gateways with authenticated and encrypted tunnels and road warriors to connect to the corporate network. The FW.47 release extends the .vantronix VPN portfolio with support for IKEv2, the next generation VPN protocol. IKEv2 combines the benefits of IPsec VPNs with the flexibility of SSL-VPNs. IKEv2 is based on open standards and interoperable with the integrated Microsoft Windows 7 IKEv2 client and all other implementations.



### Advanced Routing and MPLS

Multiprotocol Label Switching (MPLS) is an enterprise routing and networking mechanism for high-performance telecommunications and metropolitan area networks which directs and carries virtual networks between distant nodes. The combination of MPLS, full BGP and .vantronix routing domains allows Virtual Routing and Forwarding (VRF) configurations to be created in your network.



### 30% Faster Networking Performance

This massive improvement of the routing and firewalling performance was possible by optimizing the .vantronix networking stack and device driver performance. The system will also smoothly handle network overload conditions (like DoS) where it stays responsive and handles high traffic loads at the same time. An example of the improved forwarding performance is the .vantronix ZL1, running on the HP Networking Services zl Module:

1518 bytes Throughput

Release FW.47.07.02

5.0 Gbps (5.9 ZL2)

Release FW.46.xx.xx

3.9 Gbps

512 bytes Throughput

FW.47.07.02

1.9 Gbps (2.2 ZL2)

FW.46.xx.xx

1.4 Gbps



### Monitoring, Logging and the new GUI

The new .vantronix Firewall Manager is a cross-browser graphical user interface that uses the latest HTML5 web technologies to provide a powerful GUI with a clean and structured design. It performs at the speed of a native application and does not feel like a traditional click-and-wait web interface. The Firewall Manager also includes powerful monitoring and logging capabilities; the logging allows to display, search, sort and filter occurred system and inspection events in real time and to define, load and save custom logging filters. The modular .vantronix command line interface (amCLI) is the backend of the Firewall Manager - all GUI content is based on CLI commands that are exchanged with the appliance and rendered on the client. The GUI does not conflict with the CLI and experienced users can continue to access it via SSH or the out-of-band console.