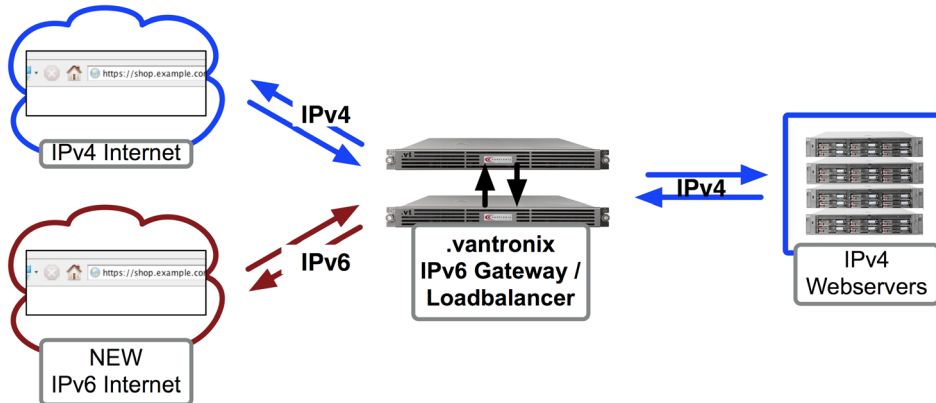


## .vantronix | IPv6 Gateway



.vtFW product series (EM2P, C1, C2, HA1, ZL2, ZL1)

.vantronix fully supports the next generation Internet Protocol version 6. IPv6 passed its development stage, it is in world-wide deployment right now which has been started by governmental agencies, military, and political IPv6 programs in Asian countries. Connectivity and IPv6 security are the major issues that will be solved with .vantronix security appliances.

### IPv6/IPv4 Gateway

With the increase in attention for IPv6, we start running into issues in supporting IPv6 on our websites and Internet applications. Much of the network design over the last 15 years has assumed that we are running in an IPv4 world. Re-designing your network would be necessary, in order to support potential IPv6 customers.

However, with .vantronix Loadbalancers, you can simply translate the customer requests without having to change your network. All of the standard .vantronix features work transparently with IPv6, as well as IPv4.

### IPv6 Security

The main benefit of IPv6 is the increased address space to handle the number of systems that will be connected to the Internet. But a new generation of the Internet Protocol introduces new features, functionality, and security issues.

IPv6 tries to solve old security problems but the complexity of the protocol introduced new security issues. Most current firewall products, routers, and IPv6-enabled network appliances offer a fairly limited IPv6 support and they have implementation problems in their IPv6 stack. Other firewall products don't support IPv6 at all or just limited port filtering without support for stateful firewalling (SPI) with IPv6.

.vantronix uses the highly proven OpenBSD IPv6 stack which is based on the original KAME reference implementation. It features many enhancements and security improvements and more than 10 years of ongoing development. The .vantronix firewall, loadbalancer, and VPN gateway support full IPv6 operation with stateful firewalling (SPI), and Trusted Proactive Security.

### IPv6 Support

IPv6 is not just an add-on in .vantronix security appliances, it is fully supported by all .vantronix products.

- IPv6 Stateful Packet Inspection (SPI) firewall
- IPv4-to-IPv6 and IPv6-to-IPv4 gateway
- Attach IPv6 networks to the IPv4 internet
- Connect to the IPv4 internet from IPv6 networks
- Dual Stack and Dynamic IP Translation
- IPv6 routing firewall with BGPv6 and OSPFv6
- Support for IPv6 multicast and scope IDs
- Reliability and IPv6 security