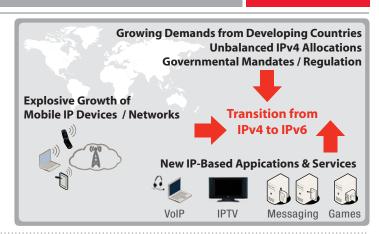


Securing IPv6 Networks

High Performance Next-Generation Security Solutions

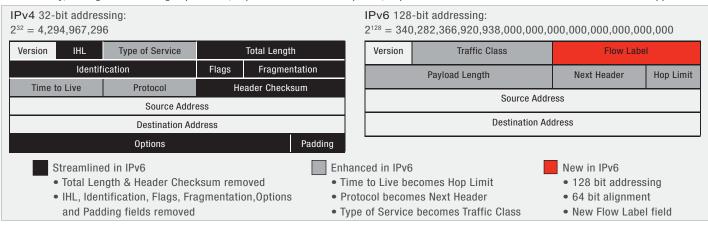
The Business Imperative

The transition to IPv6 networks is being driven by the rapid consumption of the IPv4 address space due to the increasing number of users and the imbalance in access to new IP addresses within developing countries. At the same time new mobile IP devices/networks and emerging applications such IPTV, voice-over-IP (VoIP), intelligent appliances, RFID-enabled services, and gaming will require billions of new addresses. Corporations, governments and universities are responding and beginning the transition to IPv6, however this will take many years to realize. Security will be critical during this transition and even more complex in pure IPv6 networks given the new addressing/routing capabilities, devices and applications. A solution is required today that secures IPv4 networks, enables secure IPv4 to IPv6 transition networks and is fully ready and easily evolves to support pure IPv6 networks.



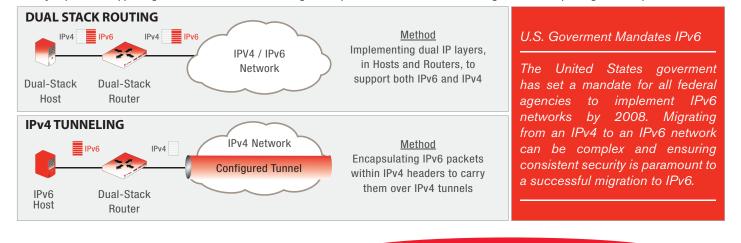
A Quick Look at IPv4 vs. IPv6 Packets

In addition to dramatically increasing the number of IP addresses, IPv6 also implements many enhancements including simplifying the packet header for efficiency, adding Flow Labeling capabilities, expanded Extensions / Options, improved Mobile IP and enhanced unicast / multicast support.



Network Transition to IPv6 Addressing

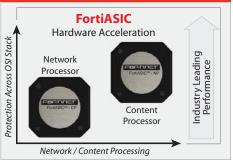
The transition from IPv4 to IPv6 addressing requires that IPv6 hosts and routers maintain interoperability with the existing IPv4 infrastructure. The most common methods for making this transition are to use "Dual Stack Routing" and "IPv4 Tunnels". Both methods require network security systems flexibly capable of supporting both IPv4 and IPv6 addressing and capable of IPv6 over IPv4 tunneling — without impacting network performance.



Fortinet FortiGate™ Unified Threat Management (UTM) Solutions Secure IPv6 Networks

Fortinet's family of FortiGate security platforms are IPv6 ready today and have proven interoperability in North America's largest real world demonstration of next-generation Internet Protocol Version 6 (IPv6) and in many customer deployments. Fortinet's FortiOS™ security operating system and FortiASICTM hardware acceleration processors are fully IPv6 compatible and support both "dualstack" and "IPv4 tunneling" implementations with routing between physical and virtual interfaces. FortiGate's industry-leading protection and performance secures the transition to IPv6.

Fortinet Antispam and Multi-Layered Security Solutions **FortiOS** Multi-Layered Security Suite Multi-Layered Security Traffic Shaping Complete Content Antispam Protection Web Filtering Antivirus / Antispyware IDS / IPS Firewall IPsec / SSL VPN





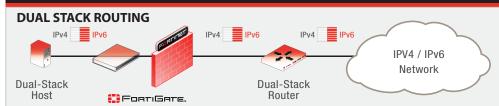
SOHO / ROBO SMALL / MEDIUM ENTERPRISE **LARGE ENTERPRISE CARRIER / MSSP**

Successfully completed interoperability testing with the **DoD IPv6 Generic Test Plan**

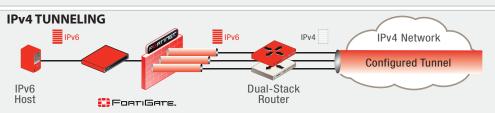


Network / Content Security

Key Features



- ✓ Assign both IPv4 and an IPv6 address to any interface
- Configure static routes and the router advertisements per interface



- Create virtual tunnels and routes
- ✓ Define IPv4/6 firewall traffic policies
- ✓ Supports interface-based IPv6 IPSec

Fortinet Secures North America's Largest Third-Party IPv6 Network

Fortinet successfully completed interoperability testing in North America's largest real world demonstration of next generation Internet Protocol Version 6 (IPv6).

- U.S. Department of Defense (DoD)-mandates transition to IPv6 by 2008 for all inter- and intra-networking
- Fortinet successfully completed interoperability testing in accordance with the DoD IPv6 Generic Test Plan
- Testing occurred as part of the "Moonv6" project (http://moonv6.sr.unh.edu/) global effort led by the North American IPv6 Task Force

"Fortinet's FortiGate-3600 security appliance was verified to be IPv6-compliant using Agilent's Network Tester. The system demonstrated seamless operation and deployment in a secure IPv6 environment.'

Philip Kazakoff, Agilent Technologies

Fortinet

Governmental / Industry Certifications and Awards





























GLOBAL HEADQUARTERS

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