

6WIND solves performance challenges for network application developers, enabling them to outpace the competition with a fast path architecture. 6WINDGate[™] packet processing software is optimized for generic hardware with a choice of multicore processors to deliver a wide variety of networking and security protocols and features on top of standard Linux. 6WINDGate offers a costeffective value proposition, enabling the transition to the future with Software-Defined Networks (SDN) and Network Functions Virtualization (NFV).

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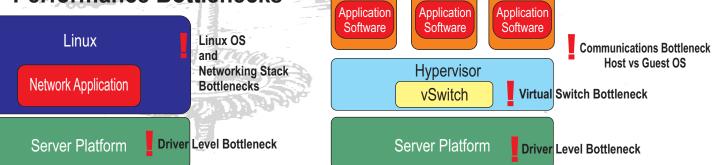
Psec VPN Gateways

irtual Switching

FCP / UDP Termination

Increase Data Plane Performance No Change To Linux Environments Available Across All Major Platforms Support Extensive Set Of Protocols

Performance Bottlenecks

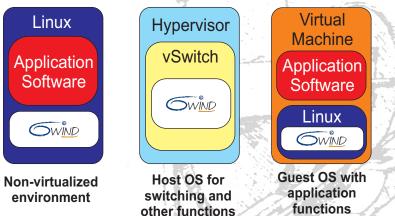


Virtual

Machine

Packet Processing Software

6WINDGate Deployment Options



To provide maximum data plane performance, 6WINDGate implements a packet processing engine running on dedicated cores, isolated from the Linux operating system, called the fast path. The same source code supports heterogeneous multicore processor hardware from Broadcom, Cavium, Intel and Tilera. 6WINDGate leverages the processor SDK to process packets directly in the fast path without involving the Linux networking stack. As an example, on Intel platforms, it leverages the Data Plane Development Kit (DPDK). The fast path architecture is transparent to Linux, so that existing applications do not need to be modified. The fast path supports major networking protocols (VLAN, IPsec, NAT, TCP/UDP Termination and more), as well as Open vSwitch acceleration and Fast vNIC drivers.

Virtual

Machine

Virtual Machine Bottleneck

Virtual

Machine

Target Markets

Service Provider

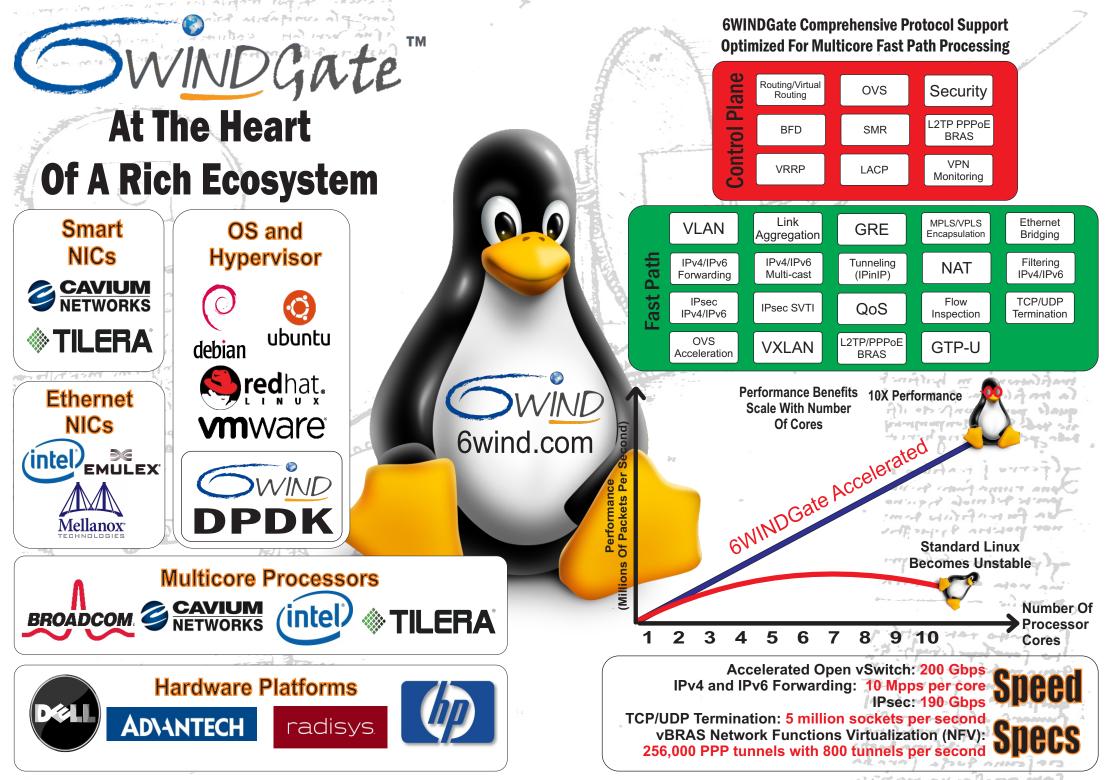
More products equal more revenues. 6WINDGate transparently accelerates Linuxbased VM and hypervisor network environments to provide 10x network performance improvements compared to standard software architectures. This includes routing, IPsec, firewall, NAT, TCP/UDP Termination and more. Service Providers benefit from rapid product development with bare metal performance for NFV applications to deliver new services quickly.

Cloud Provider

Cloud Providers with virtualized environments rely on 6WIND to unlock additional required performance. By providing Fast vNIC drivers and an over 10x performance improvement to standard Open vSwitch, 6WINDGate enables Cloud Providers to leverage their data center expertise to offer increased services and products, including enabling high performance SDN, NFV and virtualization implementations to automate and simplify operations, and quickly enable new services.

Enterprise

6WINDGate packet processing software provides a high-performance data plane solution with all the networking protocols required for both software-based and virtual network appliances. The 6WINDGate protocols are optimized to fully leverage the performance features of commodity multicore processors, including support for on-chip security accelerators. Through these enhancements, enterprises are able to achieve the level of networking performance that is a critical enabler for the deployment of physical or virtual network appliances.



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