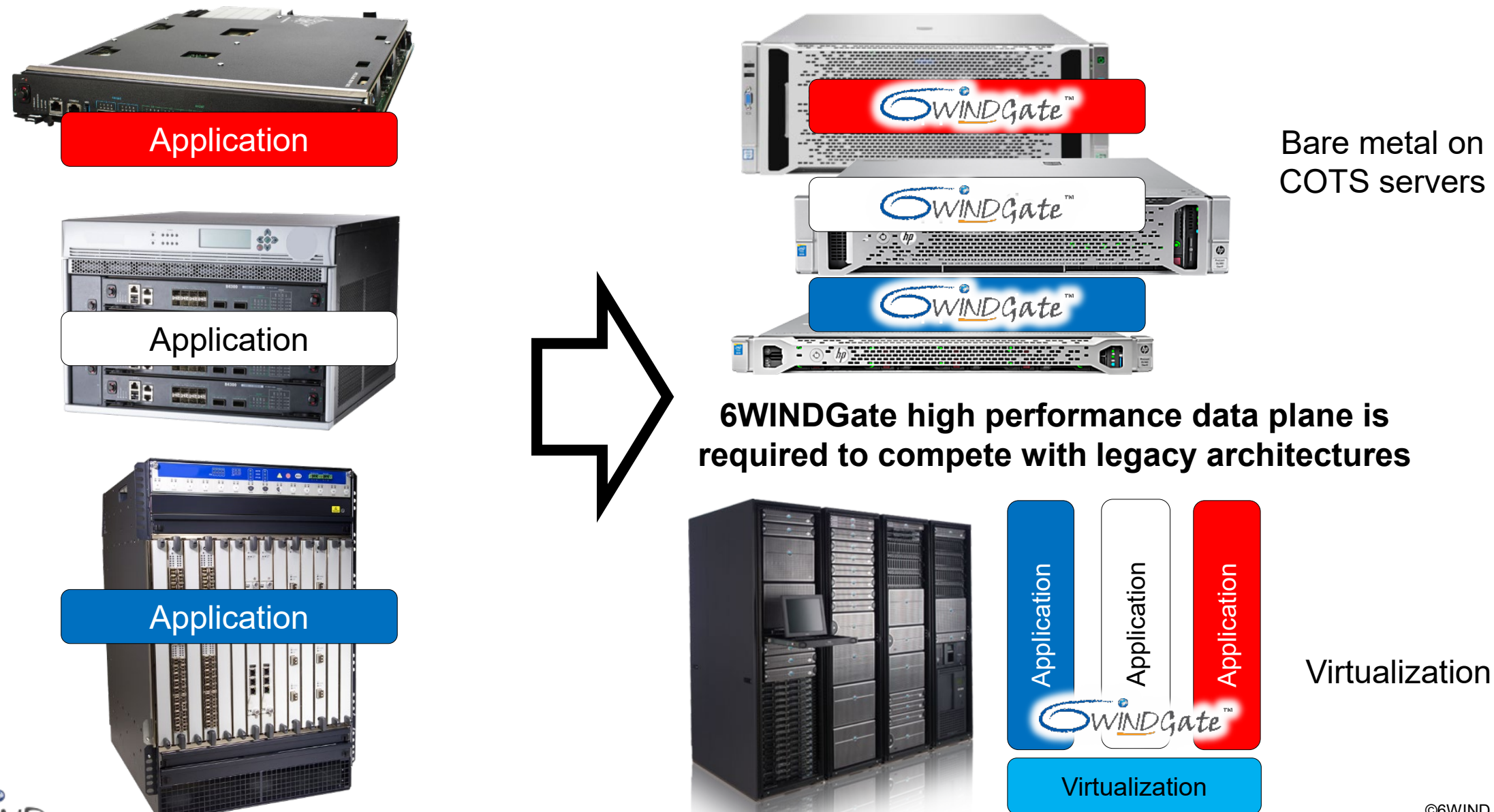


6WINDGate Architecture Overview



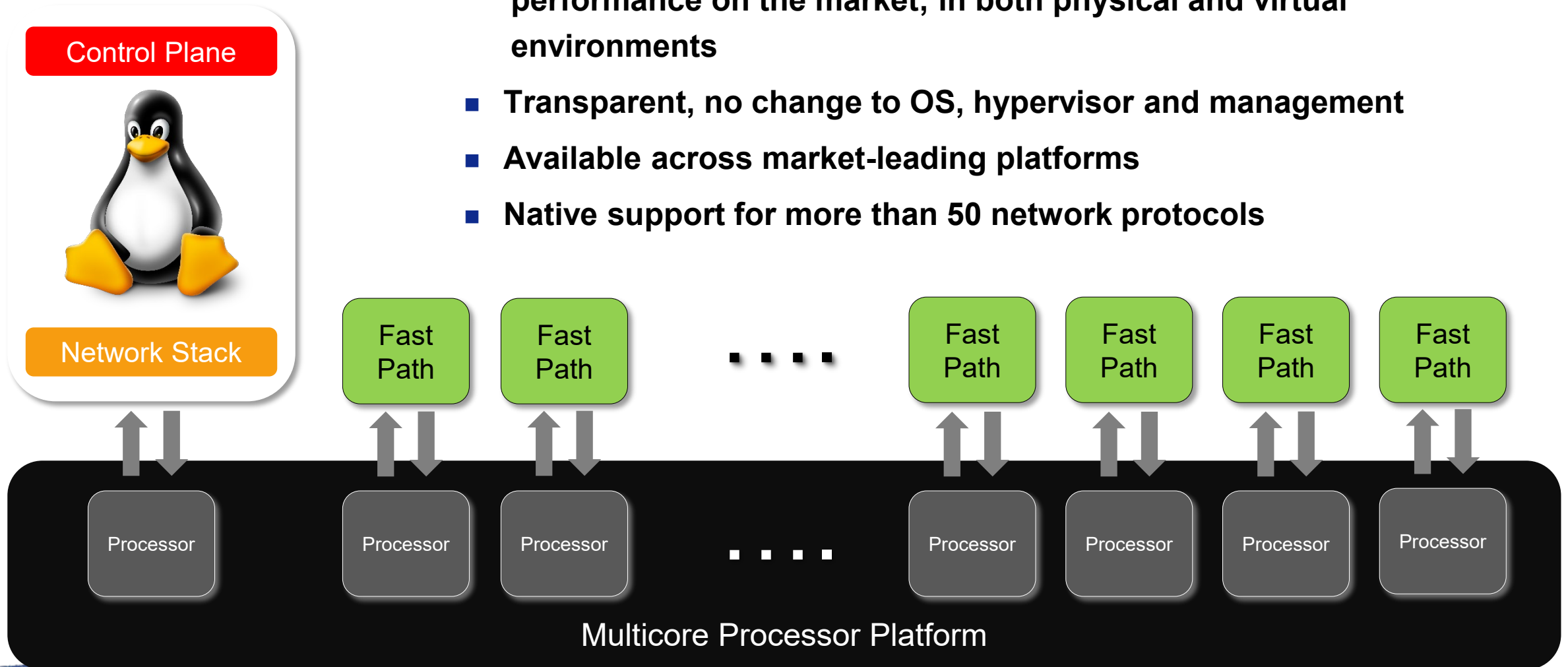
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6WINDGate Enables the Network Architecture Transformation



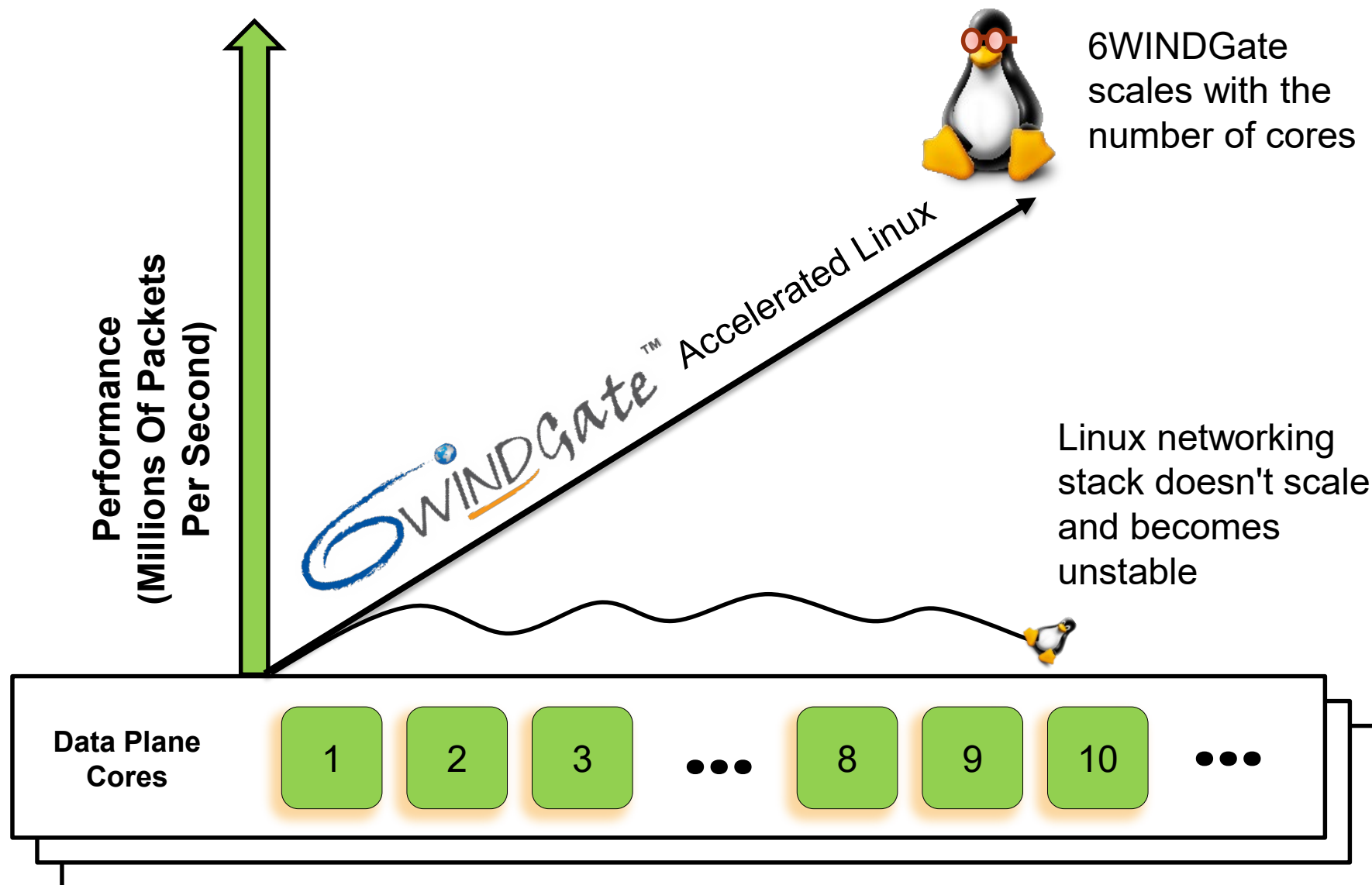
6WINDGate Packet Processing Software

- Dedicated and optimized data plane software providing fastest performance on the market; in both physical and virtual environments
- Transparent, no change to OS, hypervisor and management
- Available across market-leading platforms
- Native support for more than 50 network protocols



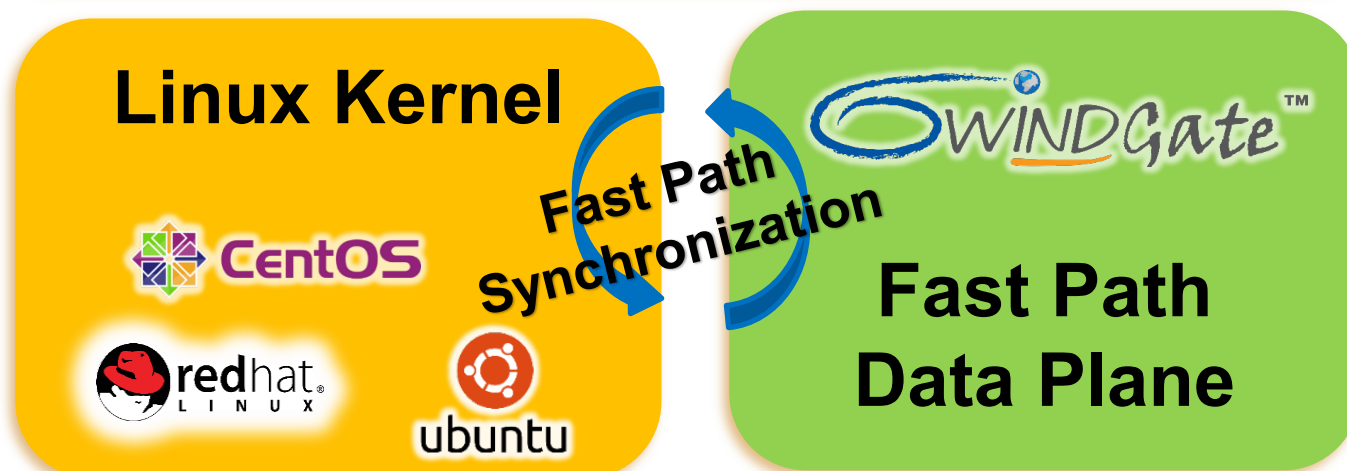
6WINDGate Data Plane Scales Linux Networking Performance

- Dedicated data plane isolated from Linux ensures deterministic performance
- Lockless, optimized stack design enables linear scalability on multicore platforms



Seamless Integration with Linux

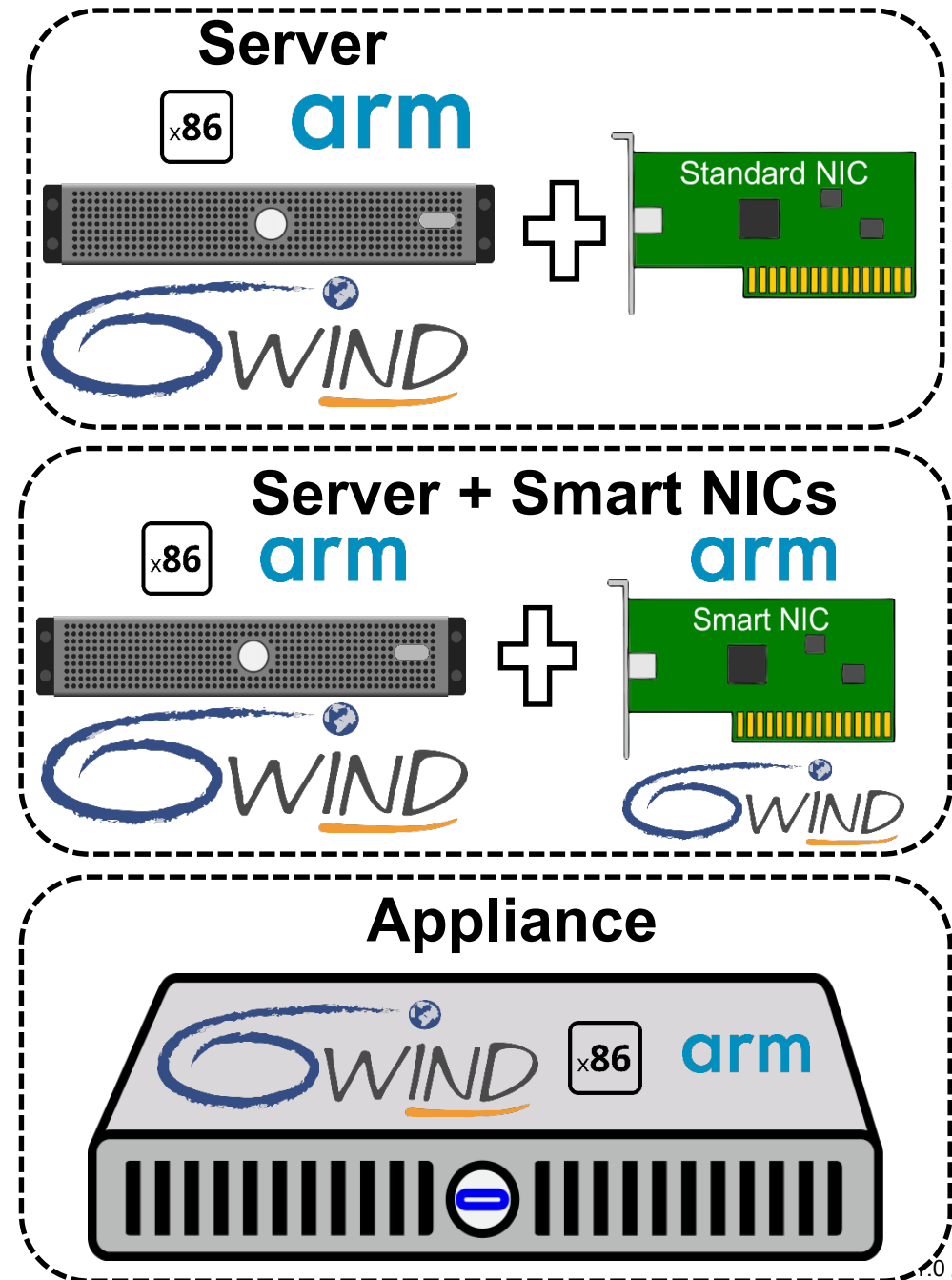
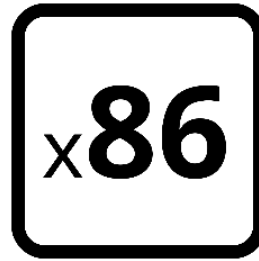
- Existing Linux applications are not modified and developing new applications is pure Linux development
- Compatible with third-party open source or commercial control plane applications that configure Linux (routing, IKE, ...)
- Linux management tools can be re-used (iproute, iptables, ipset, brctl, ovs-*ctl, tcpdump, etc.)
- Supports major Linux distributions



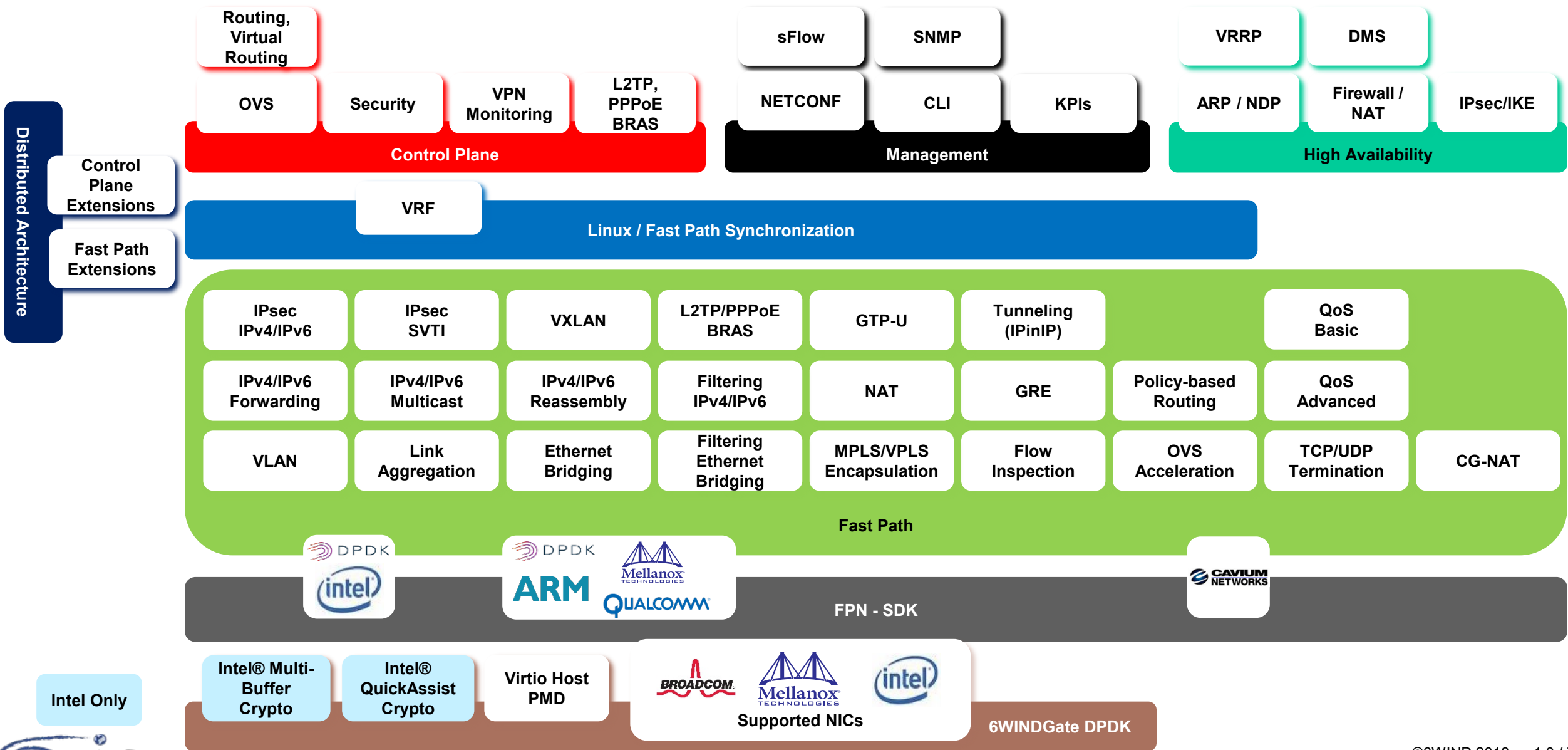
Linux Running 6WINDGate is Linux

6WIND Supported Processors & Architecture

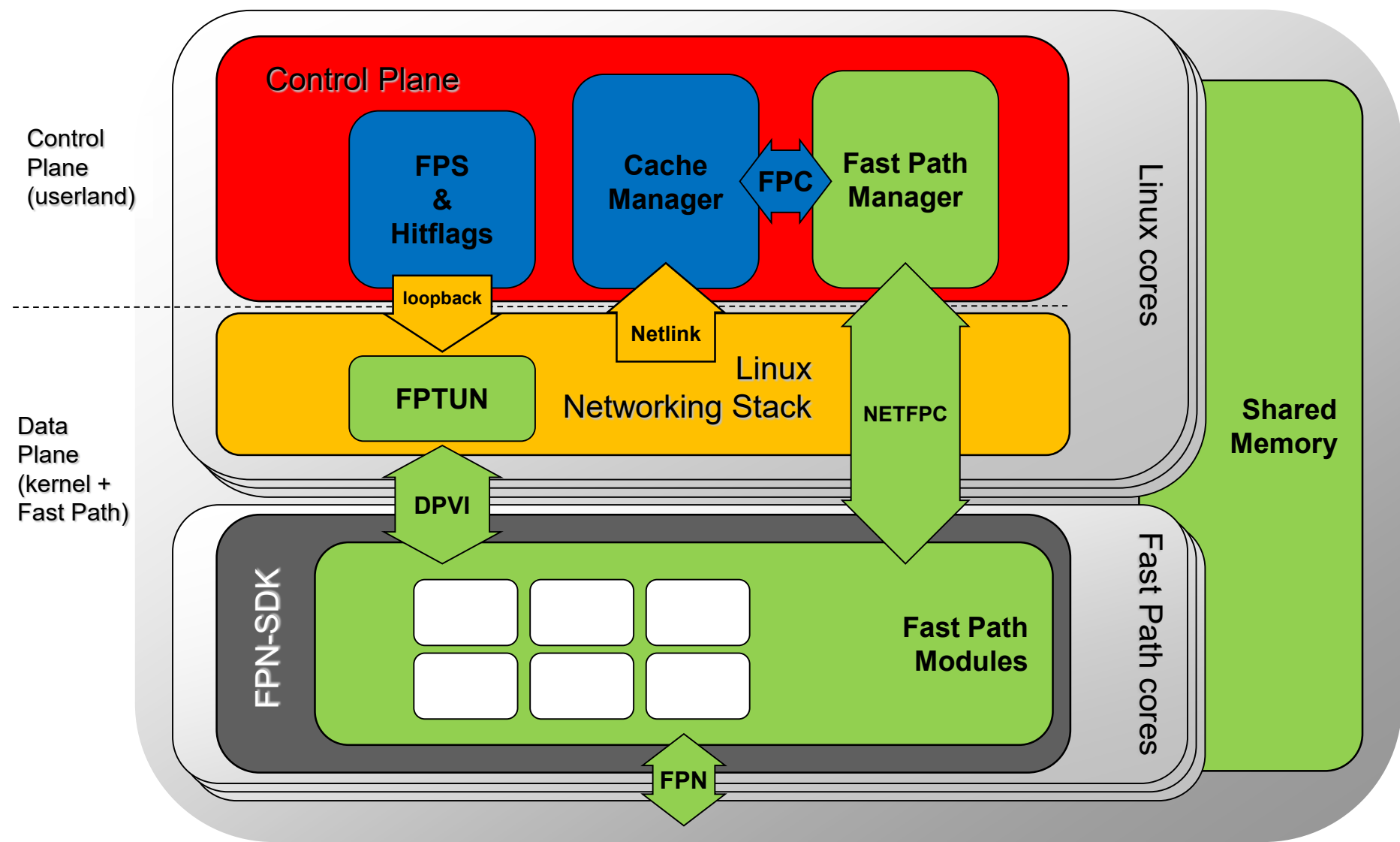
- Choose the best architecture for your requirements.
- Migrate seamlessly across architectures.
- Scale same software across architectures.



6WINDGate Accelerated Layer 2-4 Networking Stacks



6WINDGate Main Components

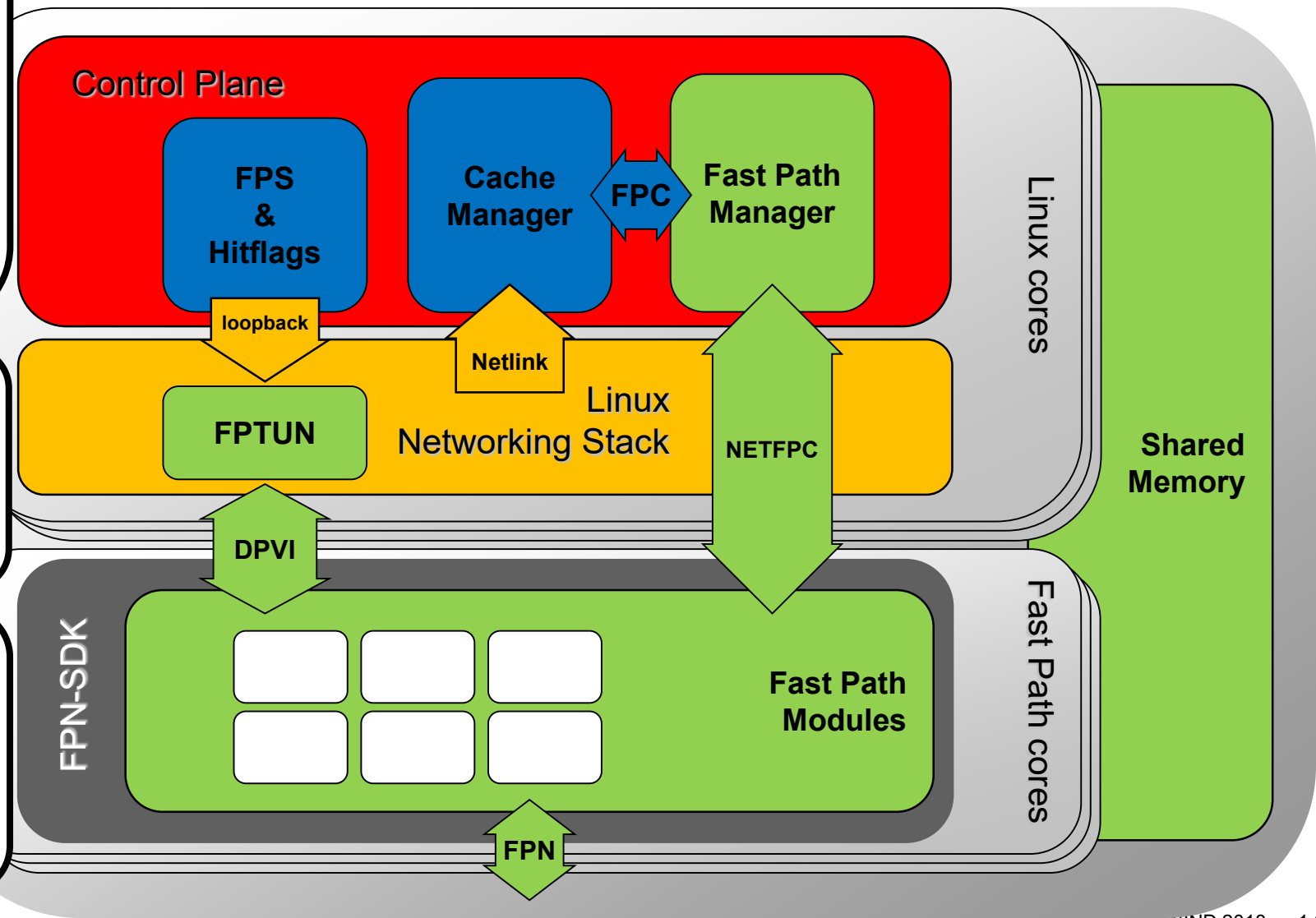


- Linux Networking Stack - Fast Path synchronization
 - Exceptions received from Fast Path through DPVI / FPTUN
 - Linux information is retrieved through Netlink / CM / FPC / FPM
 - Stored into Shared Memory or sent directly to FP through NETFPC
 - FPS / Hitflags read from shared memory and update Linux through loopback / FPTUN

- Fast Path interfaces
 - With Linux Networking Stack: DPVI
 - With HW: FPN
 - HW independent thanks to FPN-SDK

- Fast Path modules
 - IP forwarding, IPsec, etc.
 - L2 (GRE, MPLS, OVS...)
 - Filtering, NAT, Flow inspection, etc.
 - HW independent thanks to FPN-SDK

6WINDGate Main Components



Thank You
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