Intel® Open Network Platform

(intel)

Not All Network Solutions Are Created Equal

Your network today

- Data growth is exploding and networks are struggling to keep up
- Today's networks are complex, inflexible and hard to scale
- Services/apps suffer from slow deployment and limited control

GLOBAL CLOUD IP TRAFFIC WILL GROW	THE NUMBER OF CONNECTED DEVICES WILL GROW	THE NUMBER OF CONNECTED USERS WILL GROW
530%	**150**%	**55**%
	Total: 15 billion devices	*Total: 3 billion users*

2011–2015²

Your network with SDN and NFV

Software-Defined Networking (SDN)

- Separation of control and data plane
- Centralized visibility and network control
- Network programmable by external applications

71% of respondents plan to deploy SDN solutions in the next 12 months to reduce costs and speed infrastructure scalability. 48% believe the Internet of Things will open up new business opportunities.
Source: 2013 Cisco Global IT Impact Survey

Network Function Virtualization (NFV)

- Replace fixed function appliances with virtual machines running those services on standard servers
- Consolidate multiple network services to simplify the network and reduce costs

Your new network

Why Intel® Open Network Platform?

Intel ONP speeds time for developing SDN solutions.

- Common platform reference design based on open standards for SDN and NFV
- Employs flexible, scalable, high performance Intel silicon and software solutions for compute, networking, and storage
- Enables faster time-to-market for developing SDN and NFV solutions
- Increases business agility for deploying revenue-generating services

Applications

Legacy Support	VM / VM / VM
Network Overlays	Virtual Switch
Layer 3	3rd-party Hypervisor
Layer 2	Intel® DPDK
SDN APIs	SDN APIs
OpenFlow	OpenFlow
Open vSwitch	Open vSwitch
Future APIs	OpenStack
OEM Enhancements	
Wind River* ONS	Wind River* ONS
Intel® CPU and Switch	Intel® CPU and Network Adapter

Intel® ONP Switch Reference Design

Intel® ONP Server Reference Design