

# ENTERPRISE BENEFITS OF DEPLOYING NETWORK FUNCTION VIRTUALIZATION

#### **Eddie Toh**

Regional Director Data Centre Platform Marketing Intel APJ Director for IP & International Data Singtel

12 October 2016

**Hoo Shu Yee** 

## **TODAY'S INFRASTRUCTURE**

**CLOUD** Management & orchestration









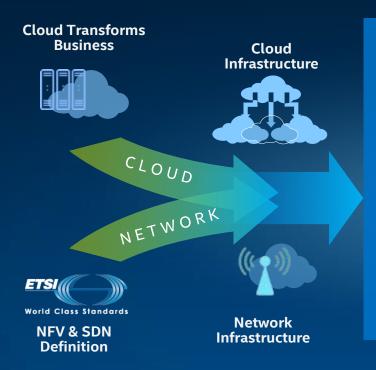
orchestration







## WHAT'S CHANGING...







ASIC -> Intel® Xeon® Fixed function -> programmable Purpose built -> repurposable



New: XaaS, Cloud, QoS, xVNO, etc

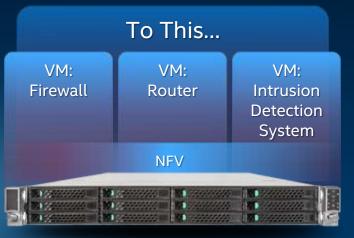


Traditional: Voice and Data Infrastructure Business Solutions



## **NETWORK FUNCTION VIRTUALIZATION (NFV)**











Standard Software

Security Virtualization

Standard Platforms

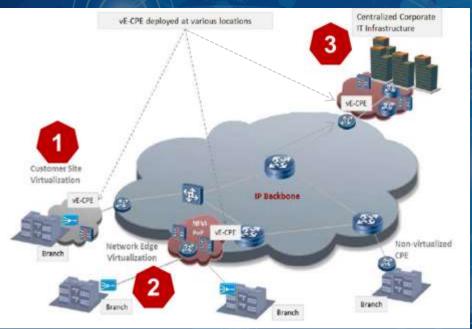


**BRINGING DATA CENTER TECHNOLOGIES TO THE NETWORK** 



## **USE CASE -VIRTUAL ENTERPRISE CPE**

World Class Standards



- ETSI recognized NFV use case -Virtual Network Function as a Service (VNFaas) or Virtual Enterprise CPE
- Address real issues in enterprise CPE deployment
- Multi-location delivery capability
  - Network edge/PoP
  - Corporate data center
  - Remote office/branch office (ROBO)

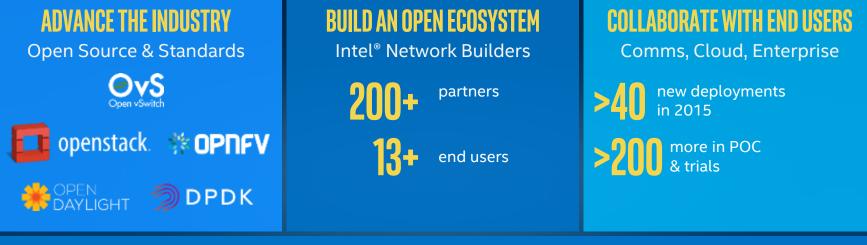




#### HOO SHU YEE DIRECTOR FOR IP & INTERNATIONAL DATA



#### **INTEL'S ROLE IN DRIVING NFV** Accelerating Network transformation



#### **INTEL TECHNOLOGY LEADERSHIP**

**Packet Processing** OVS & DPDK: 12x performance Network-Optimized SOCs Intel<sup>®</sup> Xeon<sup>®</sup> D & Intel<sup>®</sup> Atom<sup>™</sup> C2000 Carrier-Grade Cloud Stack Optimized for Network

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. \*Other names and brands may be claimed as the property of others.



#### **JOINTLY ENABLING CUSTOMER SUCCESS**



