

NPG Network Tech Summit 2021

Intel 网络平台助力未来数据中心的变革

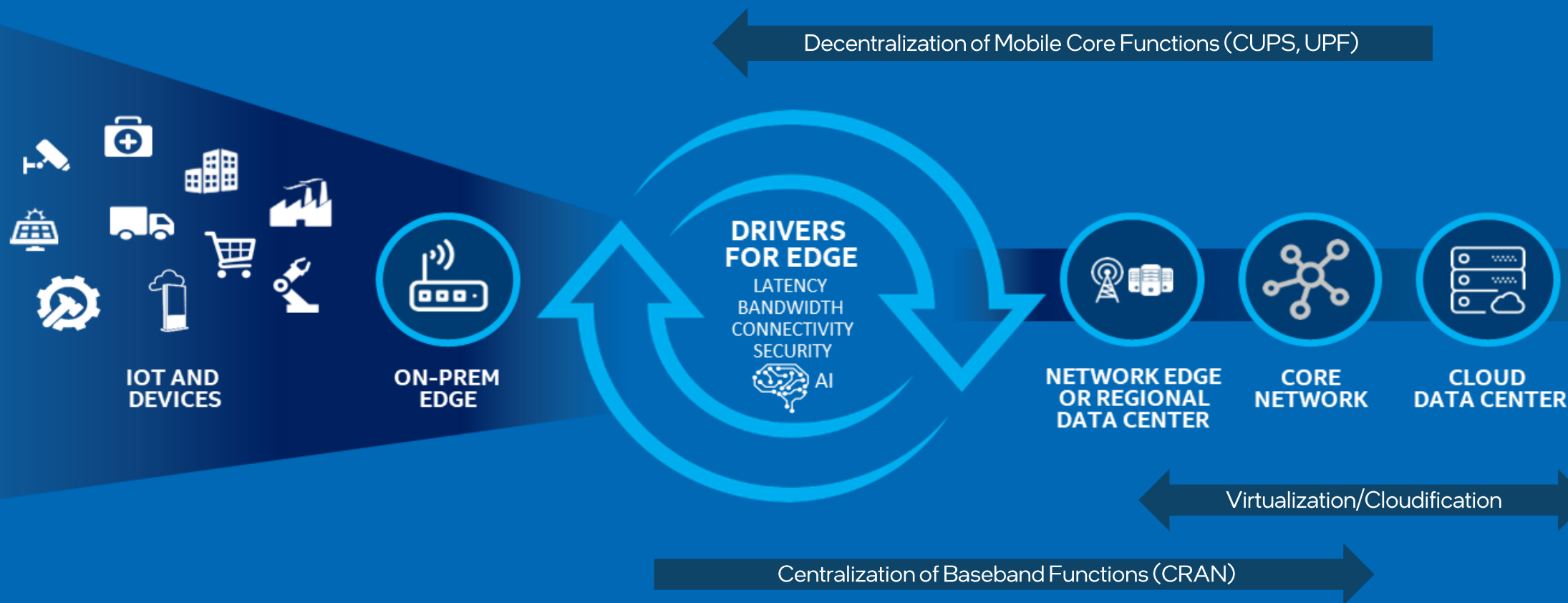
Lin Zhou

Senior Director

Network Platforms Group



Network Transformation – 爆发式数据增长驱动网络技术持续发展



Empower Edge – 构建平台，助力边缘应用场景创新

INTEL® SMART EDGE

An industry-leading converged edge platform aligned with both Smart Edge and CERA.

Intel® Smart Edge is a commercial out-of-the-box Multi-access Edge Computing (MEC) platform that allows enterprises to run their private mobility (4G/5G) applications and 3rd party VNFs on the premise's edge in a highly secure and scalable way.

PWEK

PRIVATE WIRELESS EXPERIENCE KITS

Support diverse workloads across inference, media, networking and other IOT applications in a common infrastructure.

Speeds up time to market resulting in readily-deployable, vertical-aligned service platforms.

OpenVINO™

Streamline + Optimize Deep Learning

6X

Growth in 2019

Optimize AI inference on Intel® platforms deployed everywhere, from retail to healthcare to public safety. Widely available in solutions:

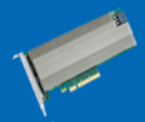
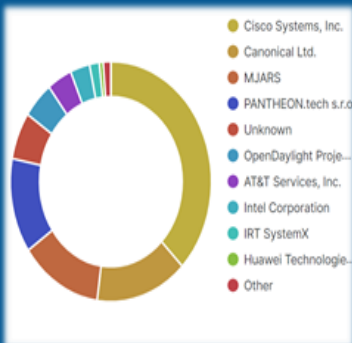
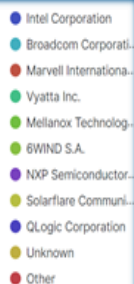
Intel® Smart Edge Open

Streamline networking and application deployment at the edge.

Enable highly optimized and performant edge platforms to on-board and manage applications and network functions with cloud-like agility across any type of network.

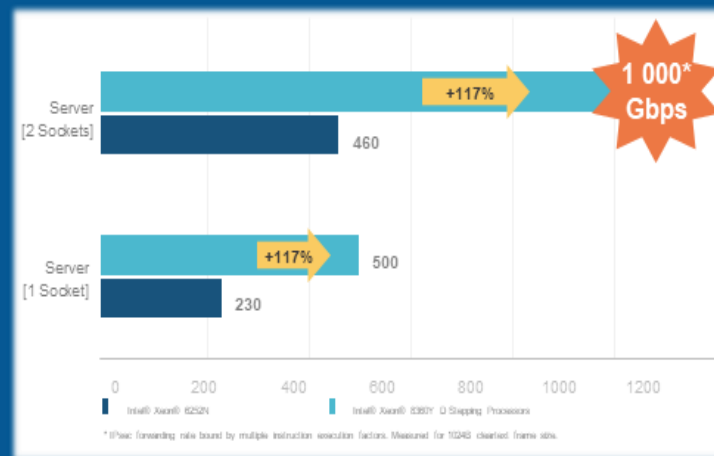


Network Function Cloudification – 优化性能，始终如一的追求

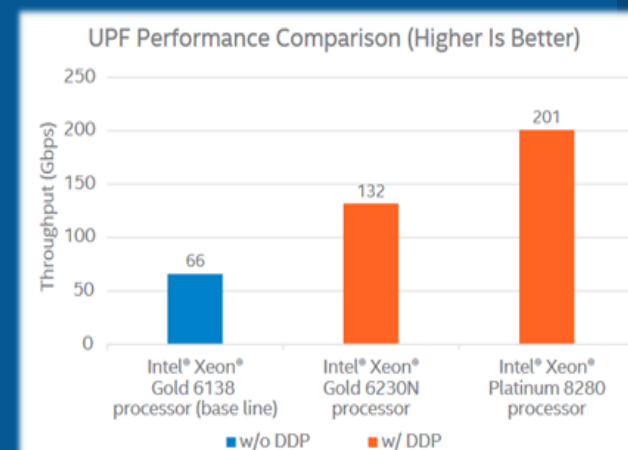


INTEL® SILICON
PHOTONICS PRODUCTS

IPsec Forwarding Rate [Gbps]



UPF w/ Dynamic Device Personalization



IOT AND
DEVICES



ON-PREM
EDGE

DRIVERS
FOR EDGE

LATENCY
BANDWIDTH
CONNECTIVITY
SECURITY



NETWORK EDGE
OR REGIONAL
DATA CENTER

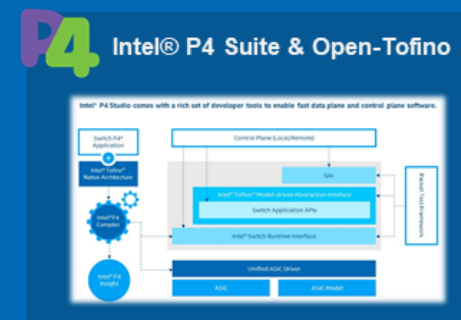
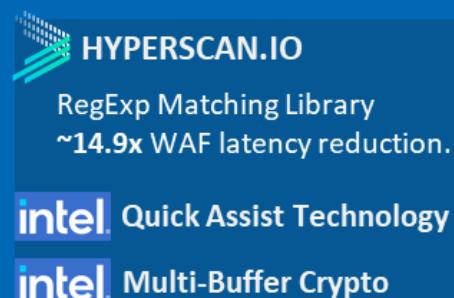
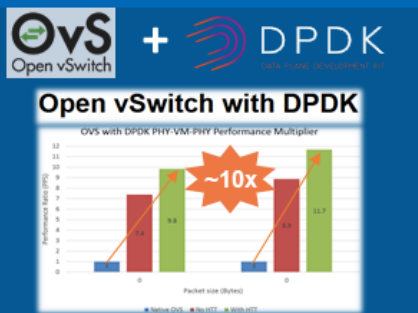


CORE
NETWORK

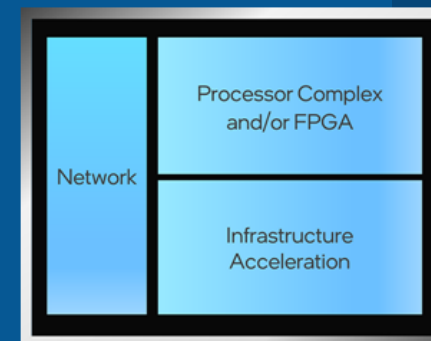


CLOUD
DATA CENTER

Software Defined Cloud Infrastructure – 开拓创新，扎根基础持续耕耘



Infrastructure Processing Unit



IOT AND DEVICES



ON-PREM EDGE

DRIVERS FOR EDGE

LATENCY
BANDWIDTH
CONNECTIVITY
SECURITY
AI



NETWORK EDGE OR REGIONAL DATA CENTER



CORE NETWORK



CLOUD DATA CENTER

Unleashing The Potential of Data – 携手共进，释放数据的潜能

Move Faster

intel. ETHERNET
BAREFOOT
NETWORKS | an Intel company
intel. SILICON PHOTONICS
Intel® QUICKASSIST TECHNOLOGY

Store More



Process Everything



Software & System Level Optimized

Summit Agenda

09:00 – 09:15	Opening Speech: Intel Network Platform for the Data Center of the Future Intel 网络平台助力未来数据中心的变革	 Zhou Lin 周林 Intel网络平台事业部 资深研发总监
09:15 – 10:00	Network Platform on 3rd Gen Intel Xeon Scalable Processors 第三代智能英特尔至强可扩展处理器加速网络平台发展	 Yang Tao 杨涛 Intel数据中心事业部 资深网络应用工程师经理
10:00 – 10:45	Previous life, this life and the future of HDSL HDSL的前世、今生和未来	 Zhang Pan 张攀 Intel网络平台事业部 平台方案架构师
		 Ni Hongjun 倪红军 Intel网络平台事业部 资深工程师
10:45 – 11:00	Break & Lucky Draw 抽奖环节	
11:00 – 11:45	CoSP/CSP Network Solutions accelerated by Intel E810 DDP 基于Intel E810 DDP 技术加速 CoSP/CSP网络的成功案例	 Ma Jianwei 马建伟 Intel网络平台事业部 资深应用工程师
		 Zhang Qi 张祺 Intel网络平台事业部 资深工程师
		 Zou Steven 邹洪伟 Intel网络平台事业部 资深应用工程师

13:00 – 13:45	Cloud Security AI – Inline inferencing for networking functions with TADK AI助力云安全——使用TADK构建网络安全应用	 Qiu Kun 邱堃 Intel网络平台事业部 工程师
13:45 – 14:30	Enterprise Edge solution powered with AI 更智能的企业网边缘方案	 Liu Frank 刘明璋 Intel网络平台事业部 资深平台方案架构师
		 Chang Harry 昌昊 Intel网络平台事业部 资深工程师
14:30 – 15:15	Intel Smart Edge Open Features and 5G E2E Solution Intel 智能边缘计算参考平台特性及5G端到端方案	 Dong Chuang 董闯 Intel网络平台事业部 资深应用工程师
15:15 – 15:30	Break & Lucky Draw 抽奖环节	
15:30 – 16:15	Hyperscan Updates on ICX Platform and Data Analytics Use Case Hyperscan关于ICX平台和数据分析用例的新进展	 Hong Yang 洪扬 Intel网络平台事业部 工程师
16:15 – 17:00	Data Center Infrastructure evolution with Intel FPGA IPU/ SmartNIC Intel IPU/SmartNIC推动数据中心基础架构演进	 Tang Houston 唐和庆 Intel PSG cloud BU 业务拓展经理 (BDM)
		 Xu Rosen 许炜华 Intel网络平台事业部 资深工程师
17:00 – 17:45	P4 and Tofino programmable switch for leading network Innovation P4和Tofino可编程交换芯片引领网络创新	 Kang Haitao 康海涛 Intel Barefoot事业部 技术总监
17:45 – 18:00	Close & Lucky Draw 抽奖环节及闭幕	

Welcome to Future Network Ecosystem!

