

Cloud Transformation in Your Networks



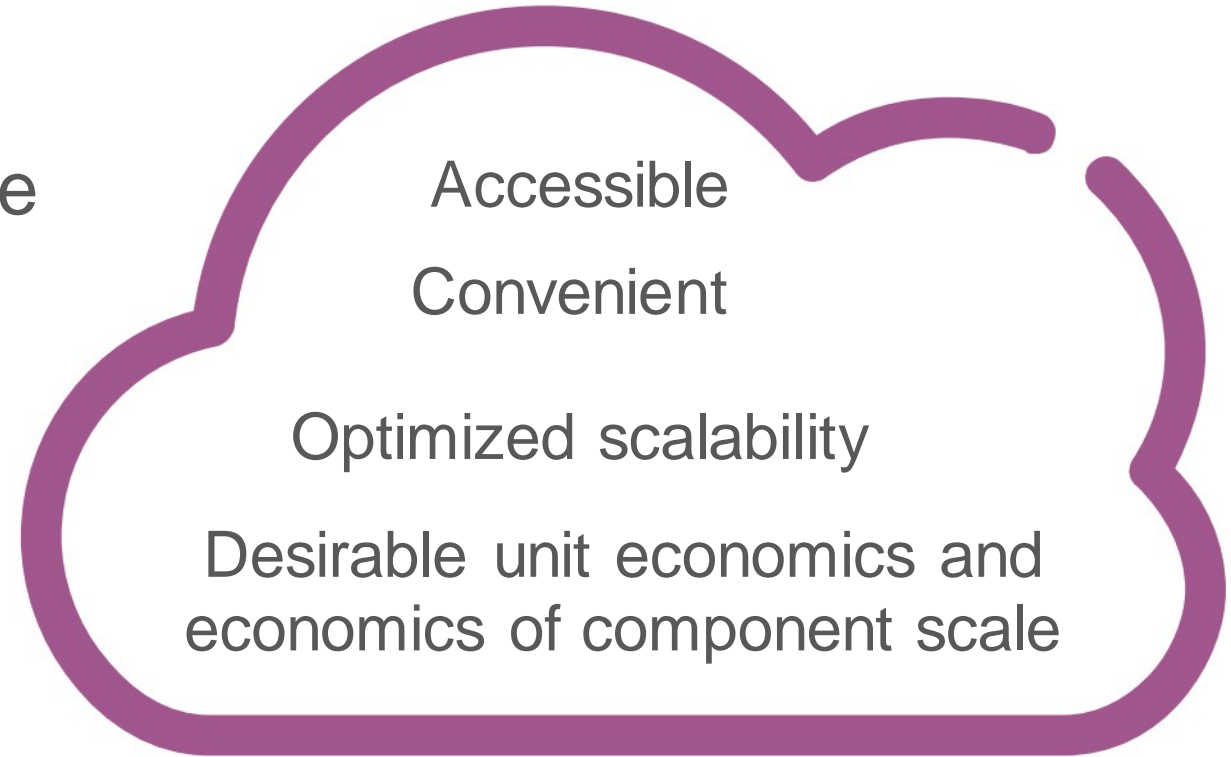
IEEE CQR Workshop
Tucson, AZ
May 12-15, 2014
Ron Iannetta
Solution Architect, Ericsson
Ron.Iannetta@Ericsson.com



Cloud



- › Highly available, redundant and modular facility with hardware and software setup
- › Determinable QoS,
- › Easily administered, scalable
- › Right-sized and geographically distributed without issue



- › **Challenges:** Security, Compliance, Legal requirements, SLAs, Governance, Financial and Procurement Structures

transformation technologies



Software Defined Networking

Cloud Platform for SDN-controlled HW & SW forwarding

“Flexible, Dynamic, Intelligent”



Network Function Virtualization

Cloud Platform for Network Functions

Flexible scaling, insertion and maintenance



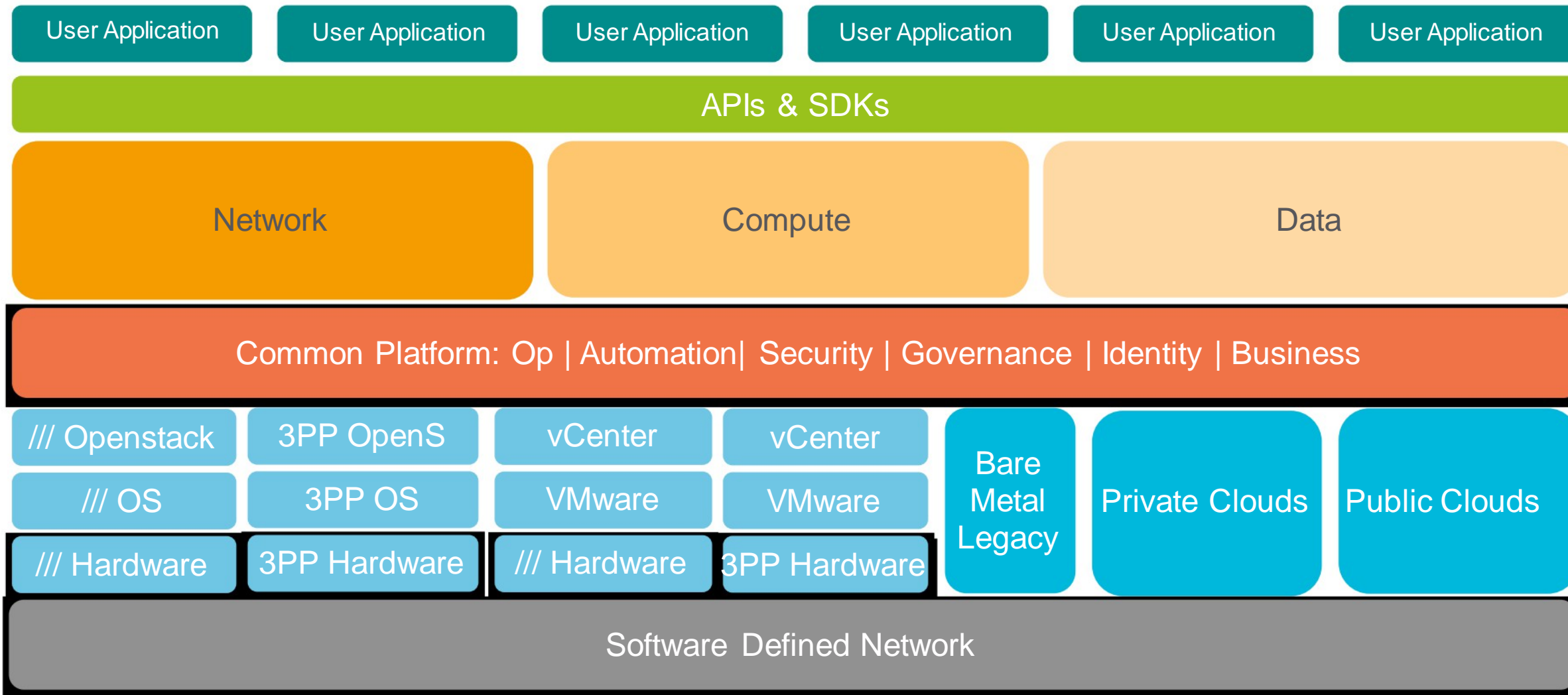
Cloud Management

OSS Integration

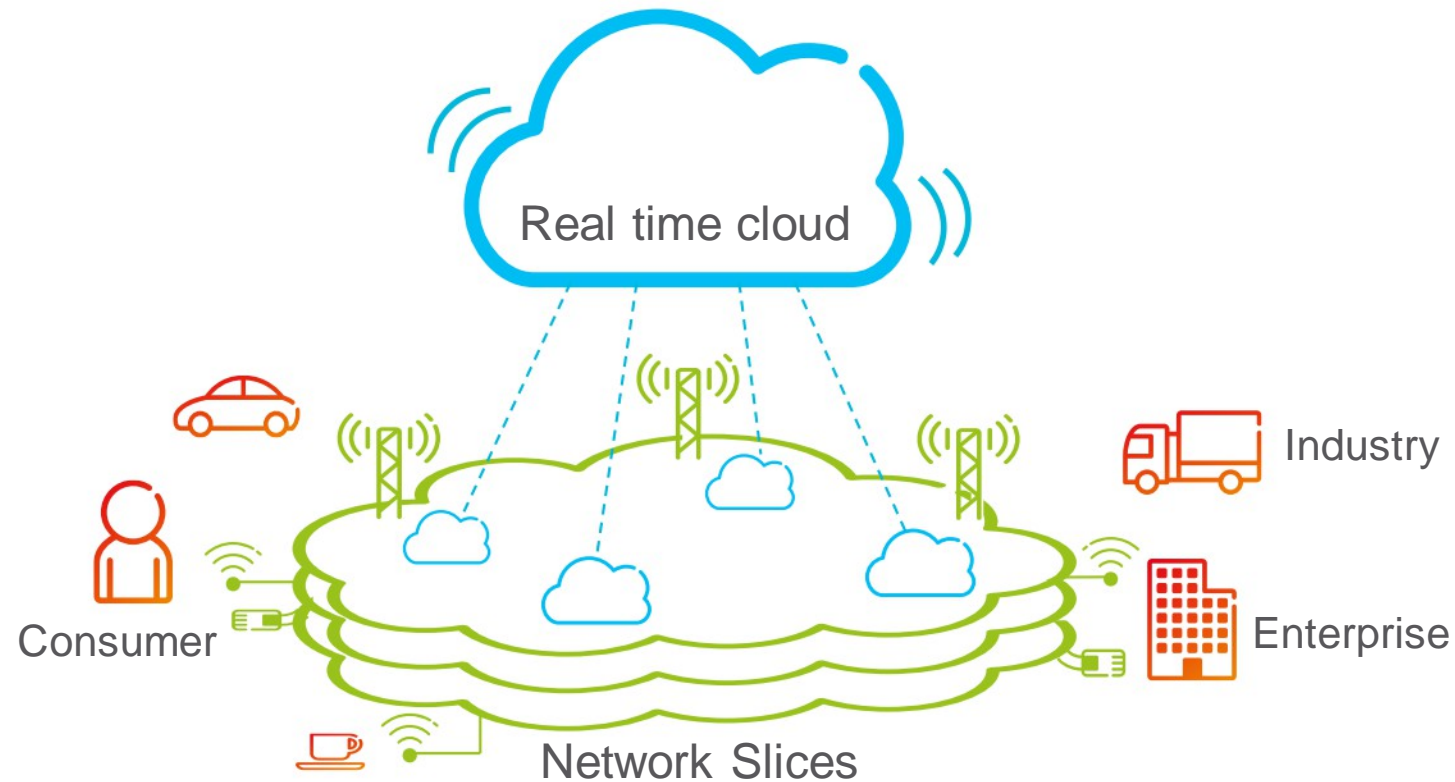
“Dynamic Service Orchestration”

Extensible

Across all variations of Infrastructure as a Service



Elevating NFV & SDN to the cloud



CLOUD

- Flexible deployments
- Real time performance
- Virtualized infrastructure

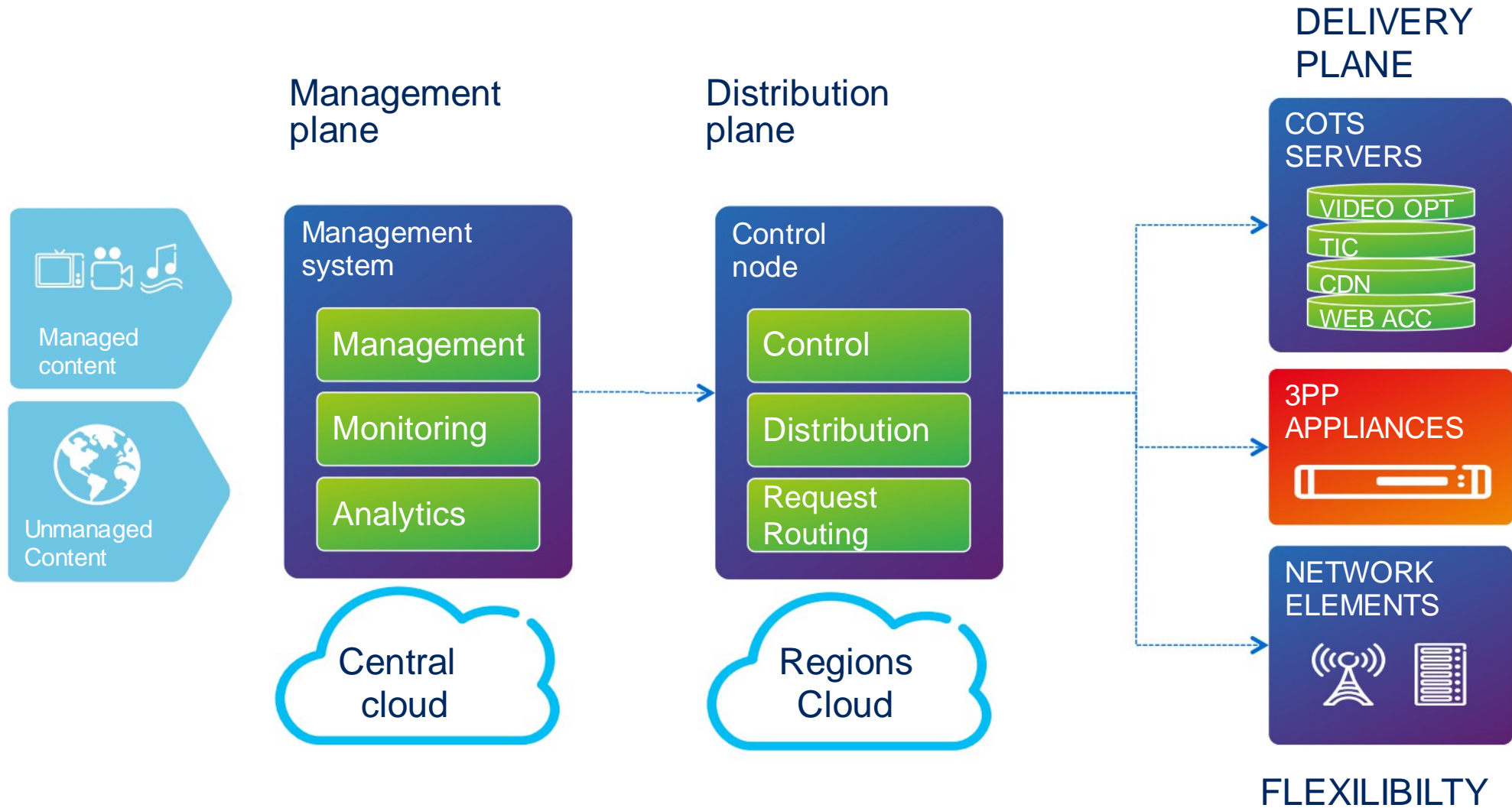
NFV

- Relocate VNFs for network efficiency
- Rapid e2e full service deployment
- Virtualized network functions

SDN

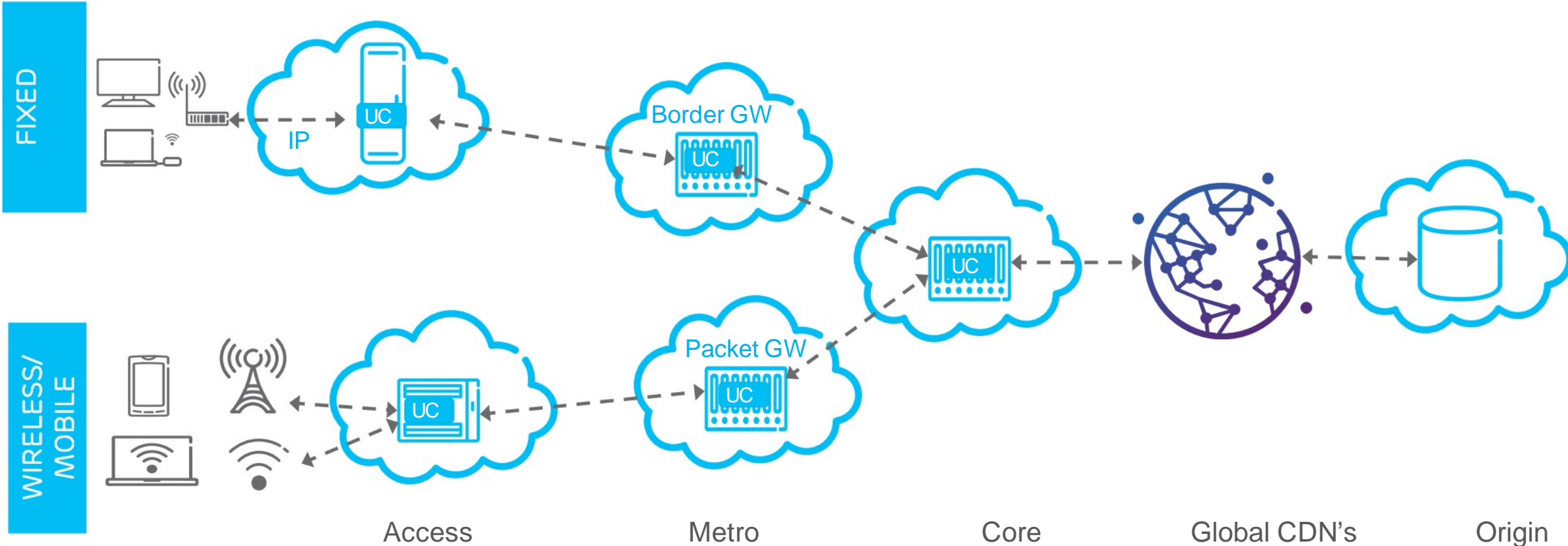
- Service chaining
- Automatic connectivity orchestration
- Virtual networking

Media Delivery Network elements



Sample network

With MDN



Why CPE Virtualization



REDUCED TIME TO REVENUE

Customer-, network- and service agility
Deploy the *right* service *efficiently* in *days*



Tens of \$\$\$
per subscriber



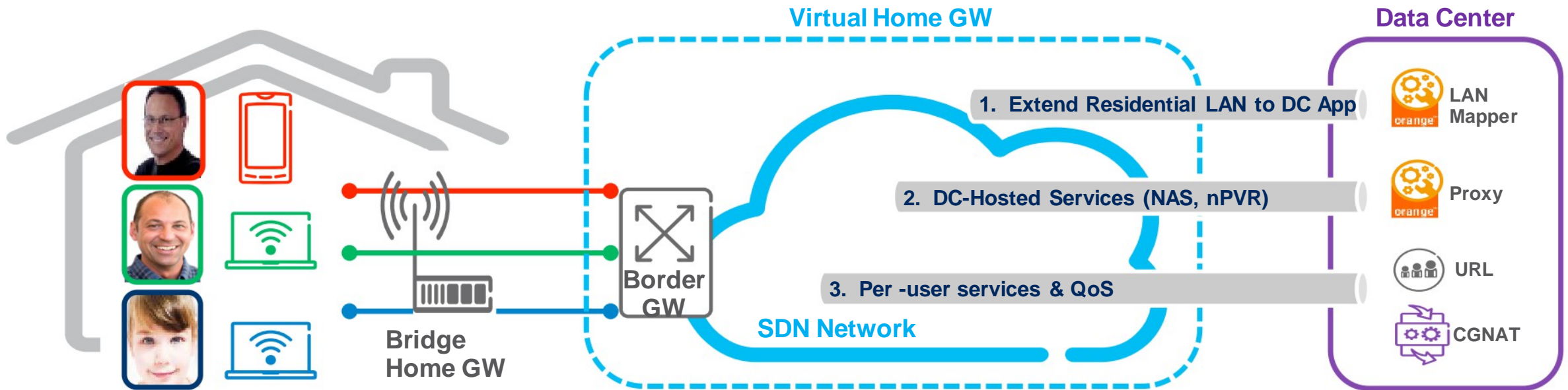
Cents
per subscriber

ECONOMY OF SCALE

Flexible and efficient cloud based services
instead of hardware replacement

CENTRALIZE WHAT YOU CAN - DISTRIBUTE WHAT YOU MUST

New Services With virtual home and enterprise gateways



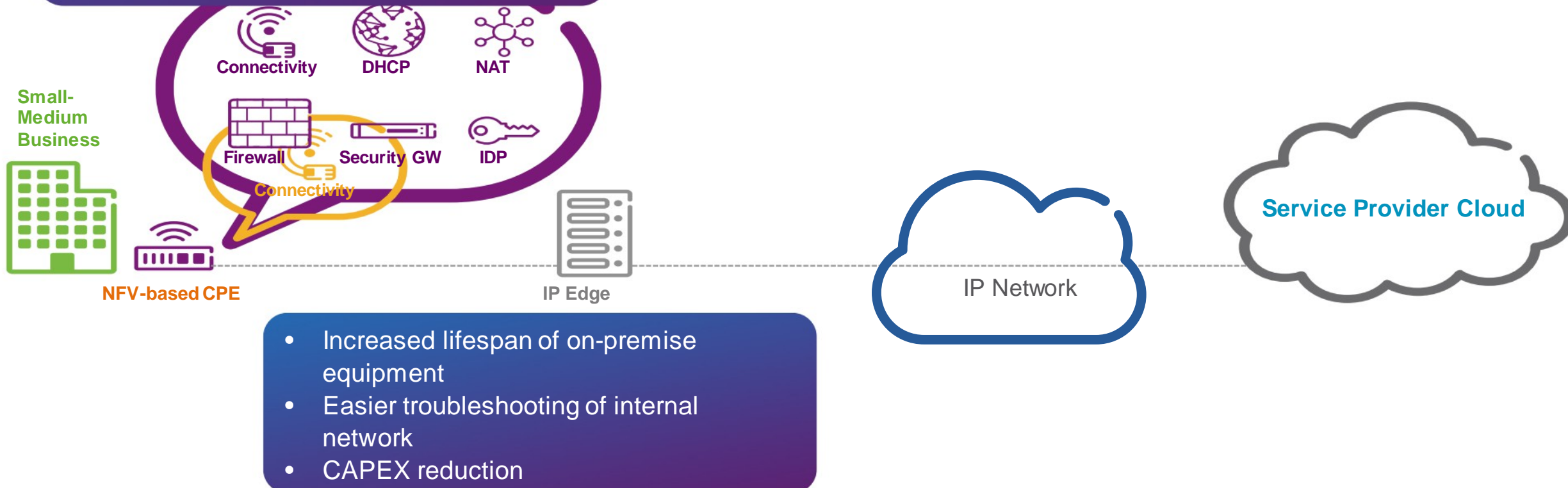
Virtual enterprise gateway

Benefits

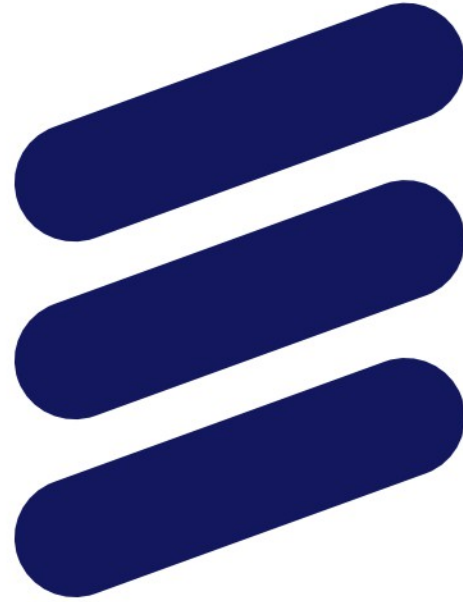


- Simplified Network visibility and control
- “Try’n Buy” & “Pay as you Grow”
- Cloud Services Management
- Device Management
- Identity Management
- Secure connection to distributed offices

- Flexibility to sell new services to Business customers
- OPEX reduction
- Seamless attachment to “Office in the cloud”



- Increased lifespan of on-premise equipment
- Easier troubleshooting of internal network
- CAPEX reduction



ERICSSON