



PREPARE FOR EDGE SERVICES BY VIRTUALIZING YOUR CENTRAL OFFICE

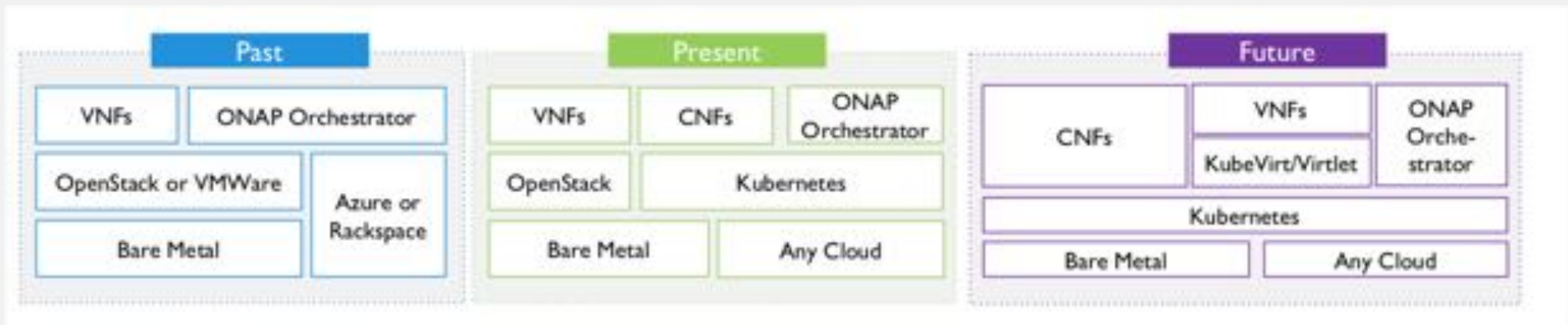
Ian Hood
Chief Technologist
Global Service Providers
Red Hat

Hanen Garcia
Telco Solutions Manager
Red Hat

TELCO TRANSFORMATION IN THE ERA OF DIGITAL DISRUPTION

Telco Transformation - Software Defined Infrastructure

Virtualized to Cloud Native



INDUSTRY MEETING OPERATOR REQUIREMENTS

integration



management



ANSIBLE



cloud



infrastructure



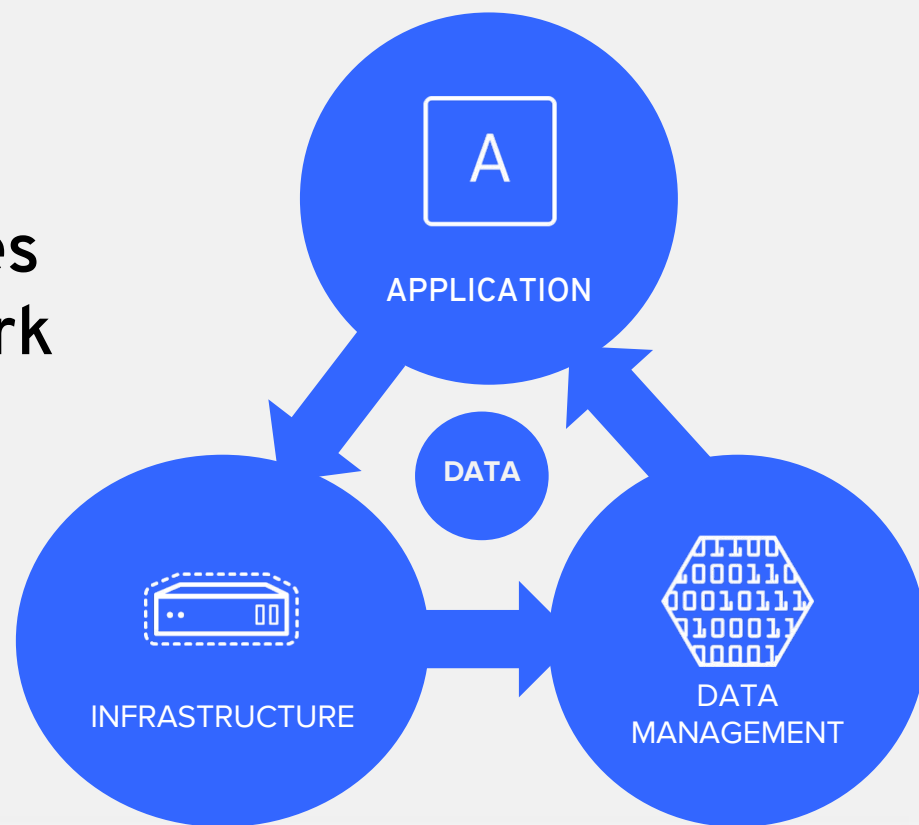
TELECOM INFRA PROJECT



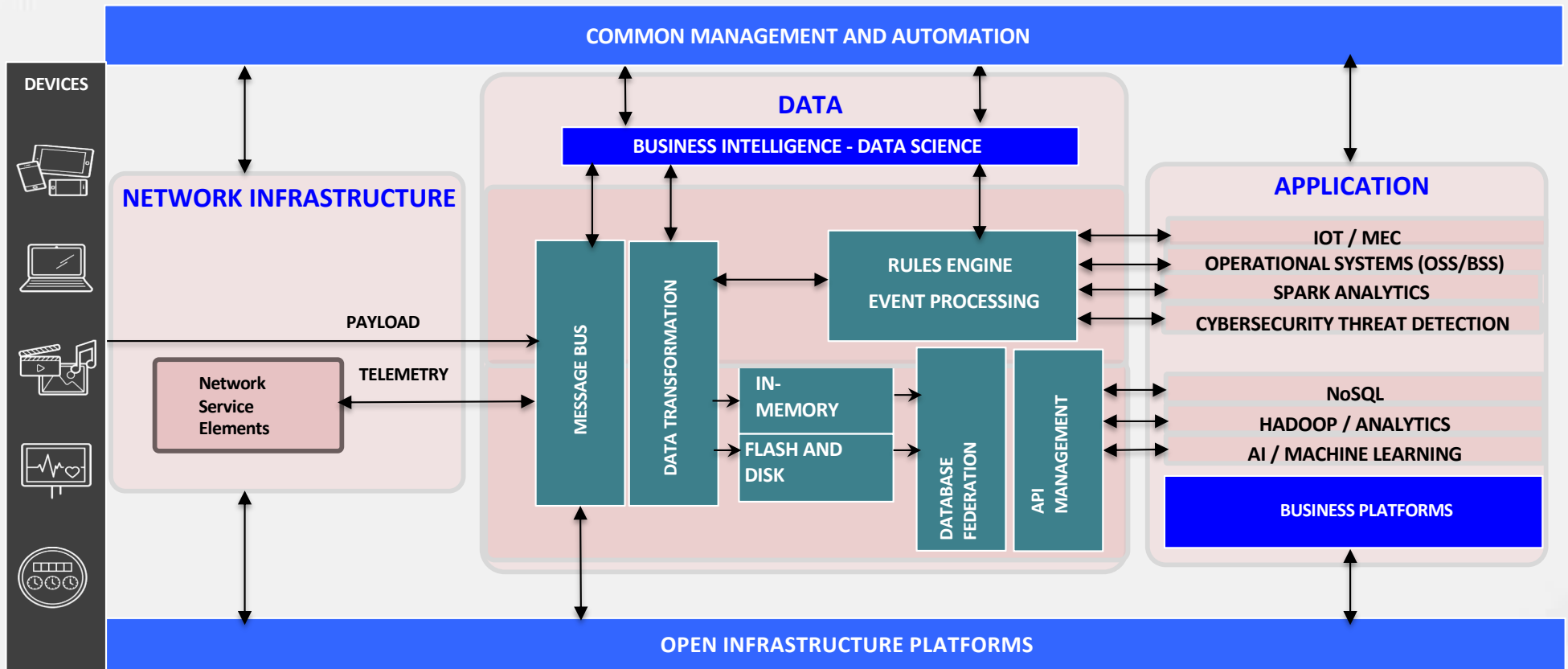
THE OPEN TELCO FRAMEWORK

ENABLING YOUR DIGITAL SERVICES INNOVATION PLATFORM

Develop and deliver digital goods and services incorporating 5G, network edge, mobility, IoT, Analytics, AI/ML, Blockchain



IT STARTS WITH A FRAMEWORK: BUILT ON A SECURE FOUNDATION OF OPEN PLATFORMS



OPEN PLATFORMS ARE IMPERATIVE TO ENABLING DIGITAL SERVICE PROVIDERS

JOURNEY TO 5G

CREATING BUSINESS VALUE - JOURNEY TO 5G SOFTWARE DEFINED INFRASTRUCTURE



ENTERPRISE EDGE



ENHANCED
MOBILE BROADBAND



ARTIFICIAL
INTELLIGENCE



VIRTUAL RAN



MASSIVE
MACHINE TO MACHINE



ULTRA RELIABLE
LOW LATENCY

CONNECTED DRONES

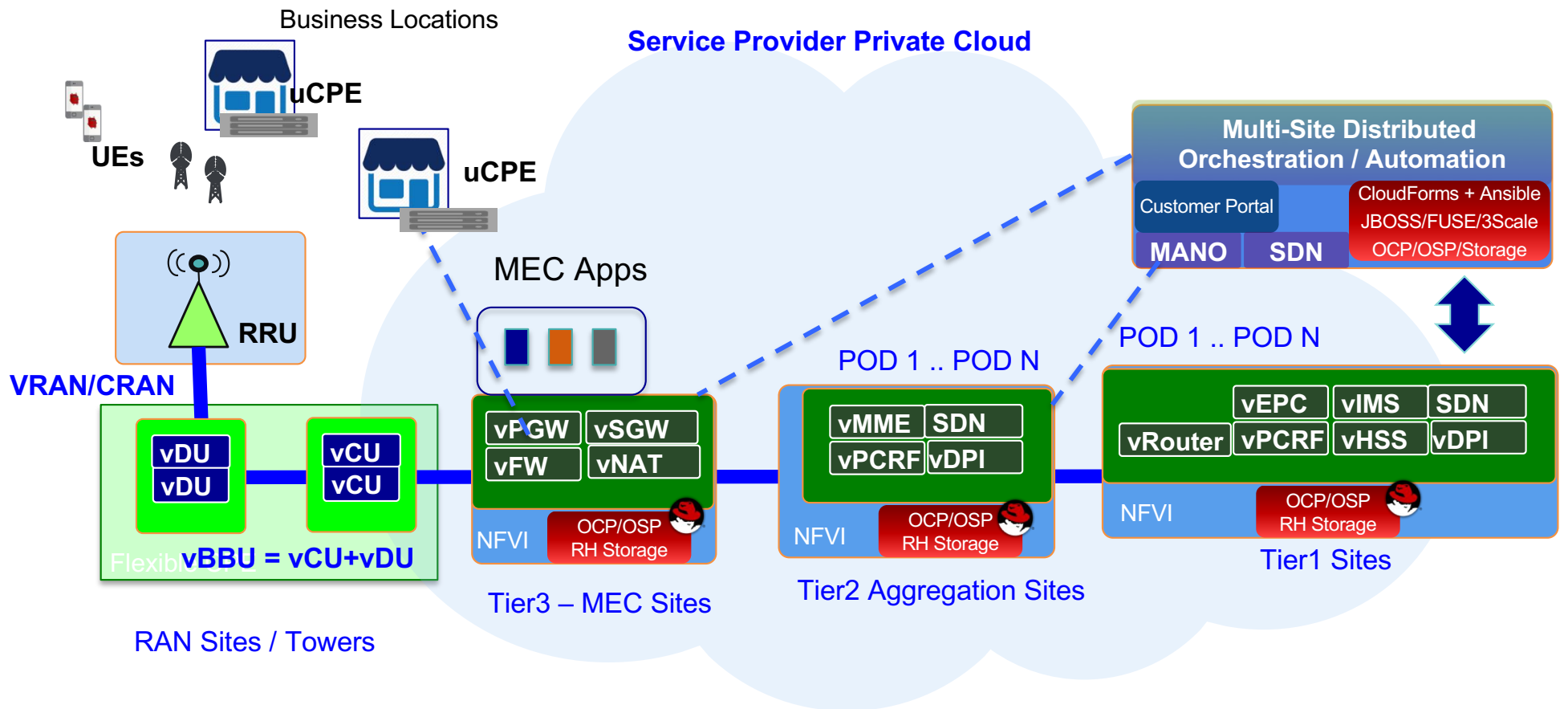


AR / VR
MEDICINE



Building ultra-reliable immersive experiences for people and objects when and where it matters

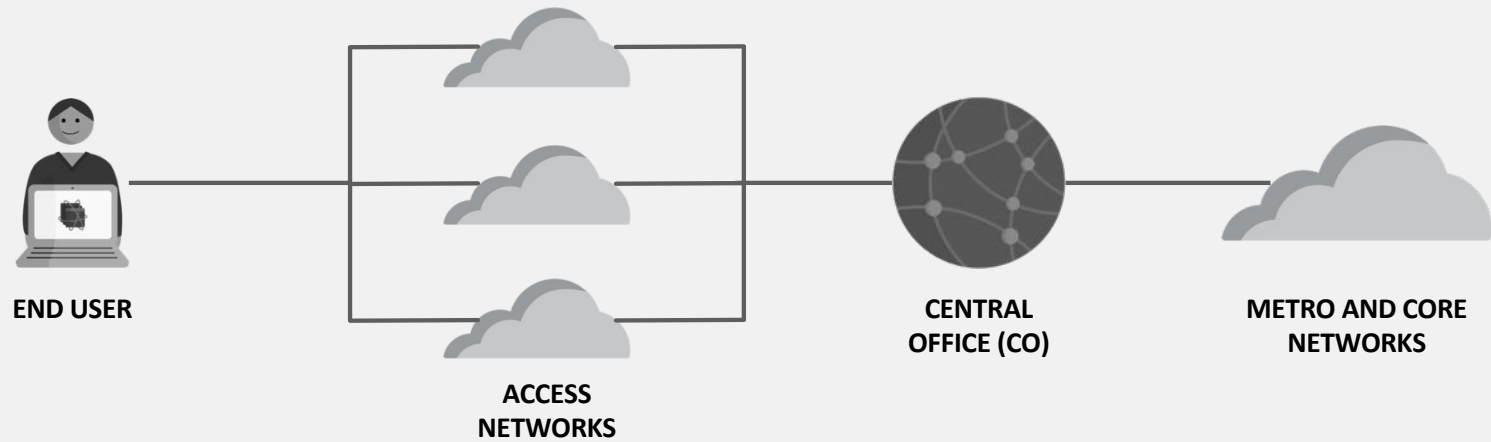
5G Enabled Services – Enterprise Edge / vRAN



VIRTUAL CENTRAL OFFICE

FIRST STEP TOWARDS THE EDGE WHERE? HOW MANY?

STEPPING INTO THE EDGE

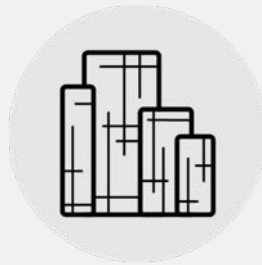


IT'S ABOUT SERVICES



RESIDENTIAL

BROADBAND ACCESS



BUSINESS

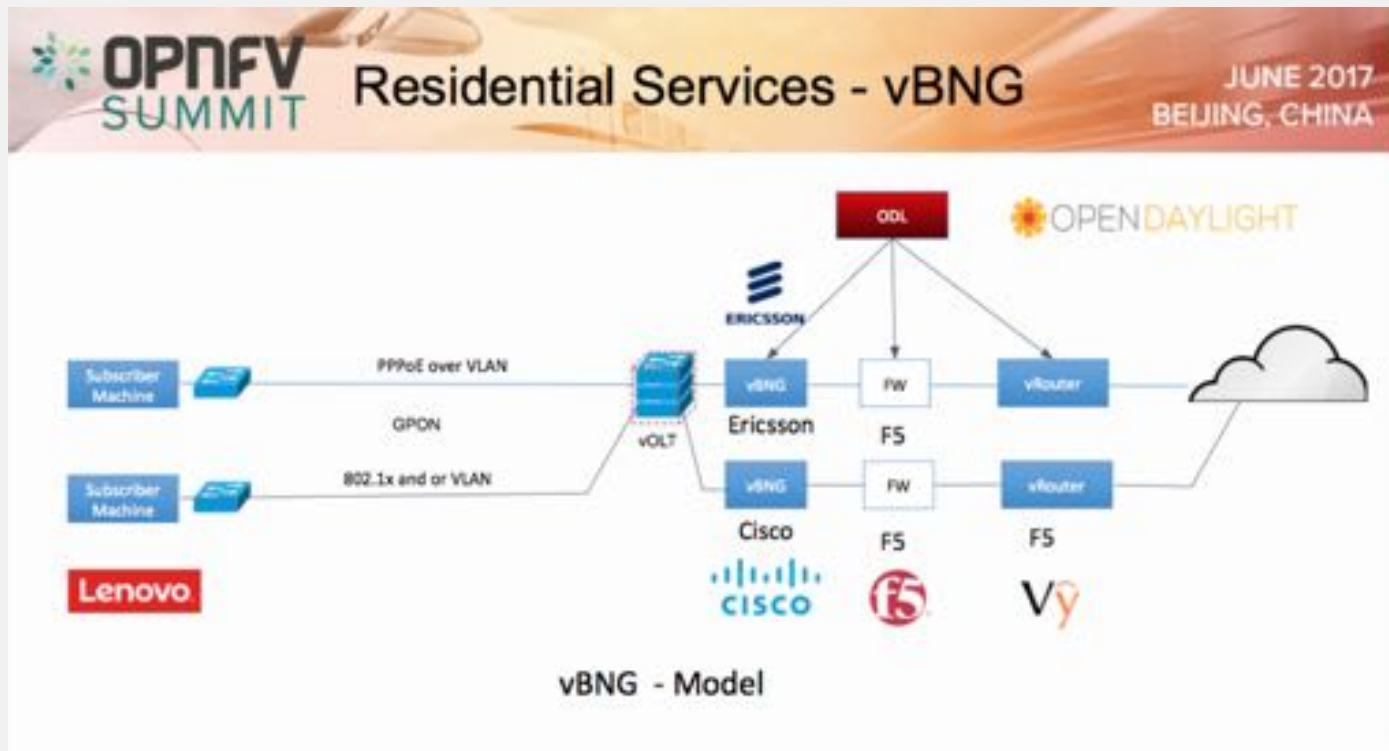
SD-WAN



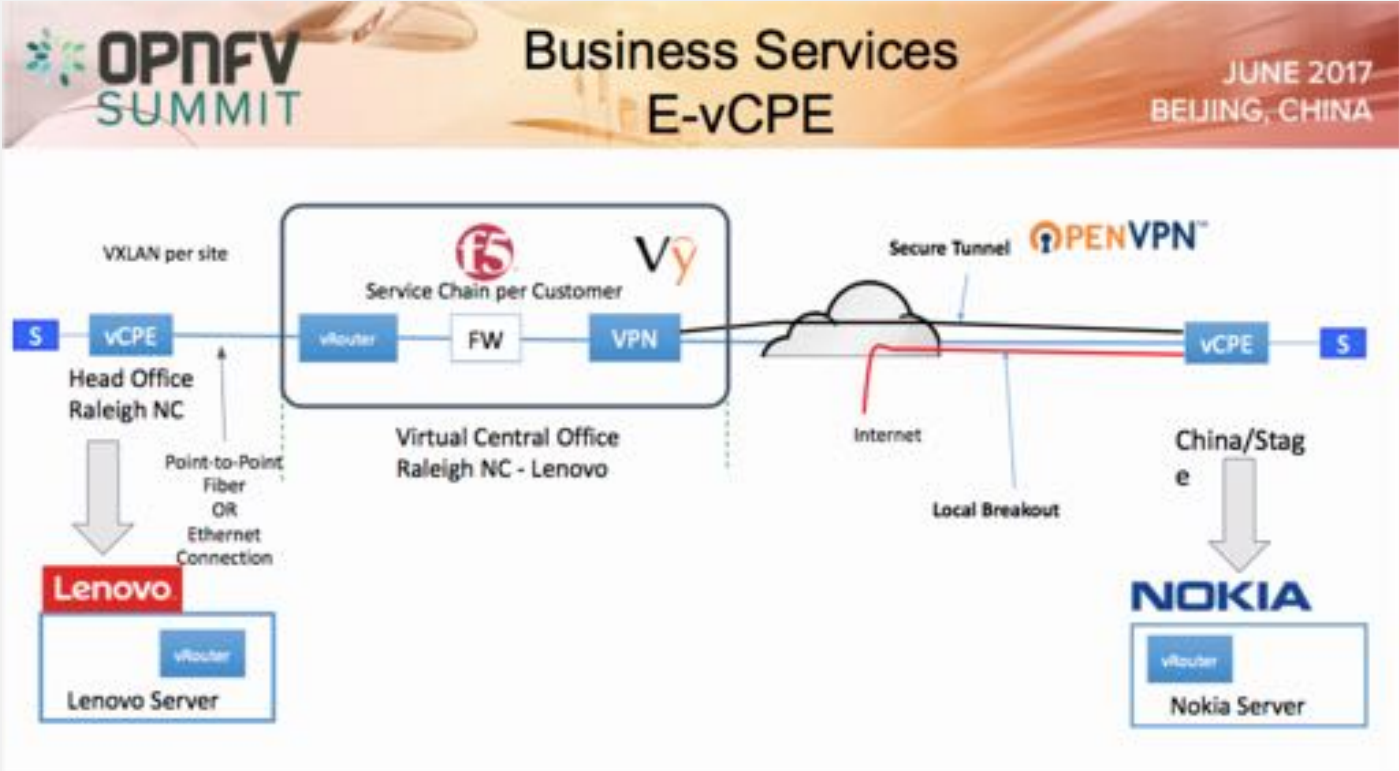
MOBILE

MOBILE BROADBAND

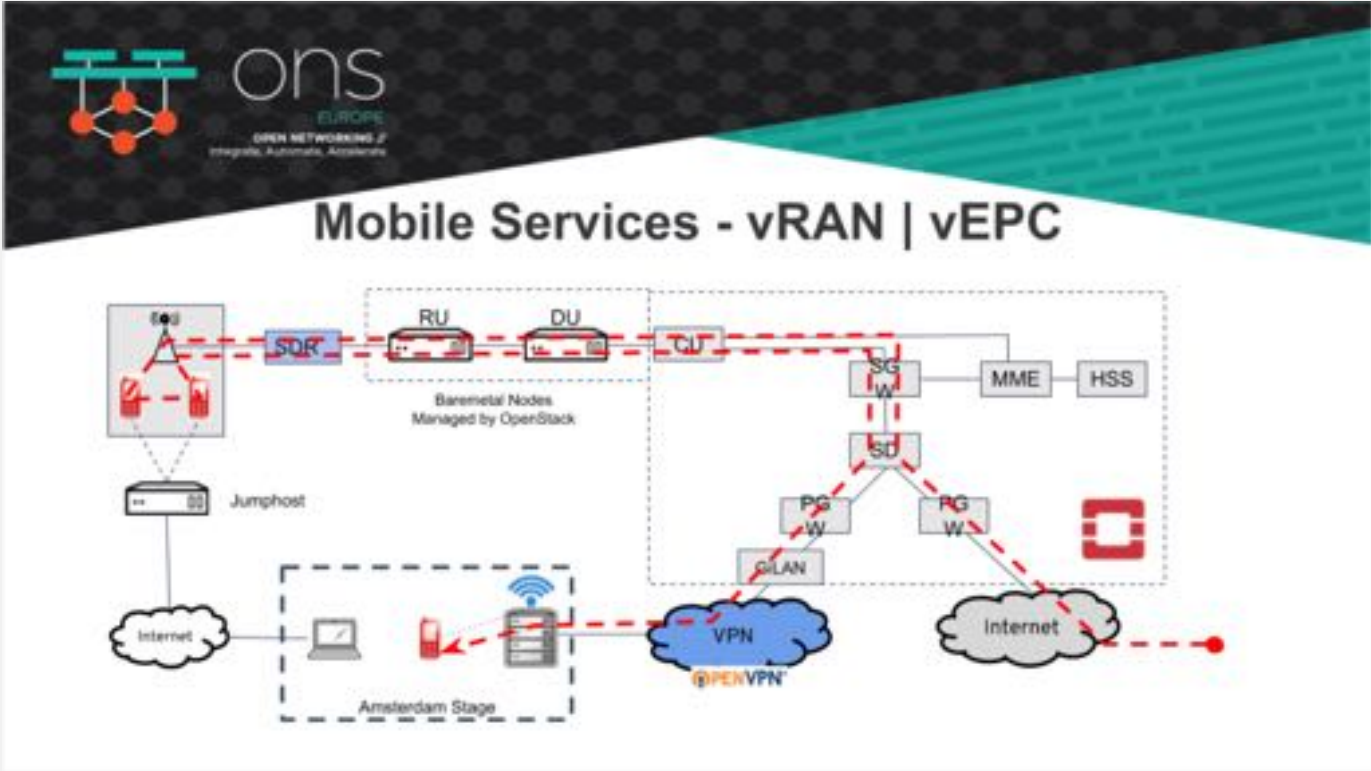
RESIDENTIAL SERVICES



BUSINESS SERVICES

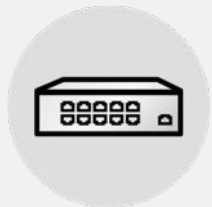


MOBILE SERVICES



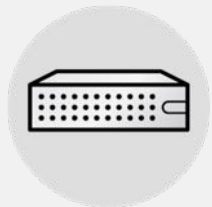
ARCHITECTURE PRINCIPLES

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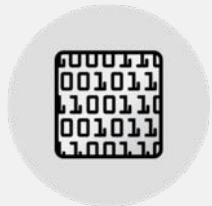
COMMON NETWORK CONTROLLER

Physical network fabric and the virtual network overlay



COMMON VIRTUALIZATION PLATFORM

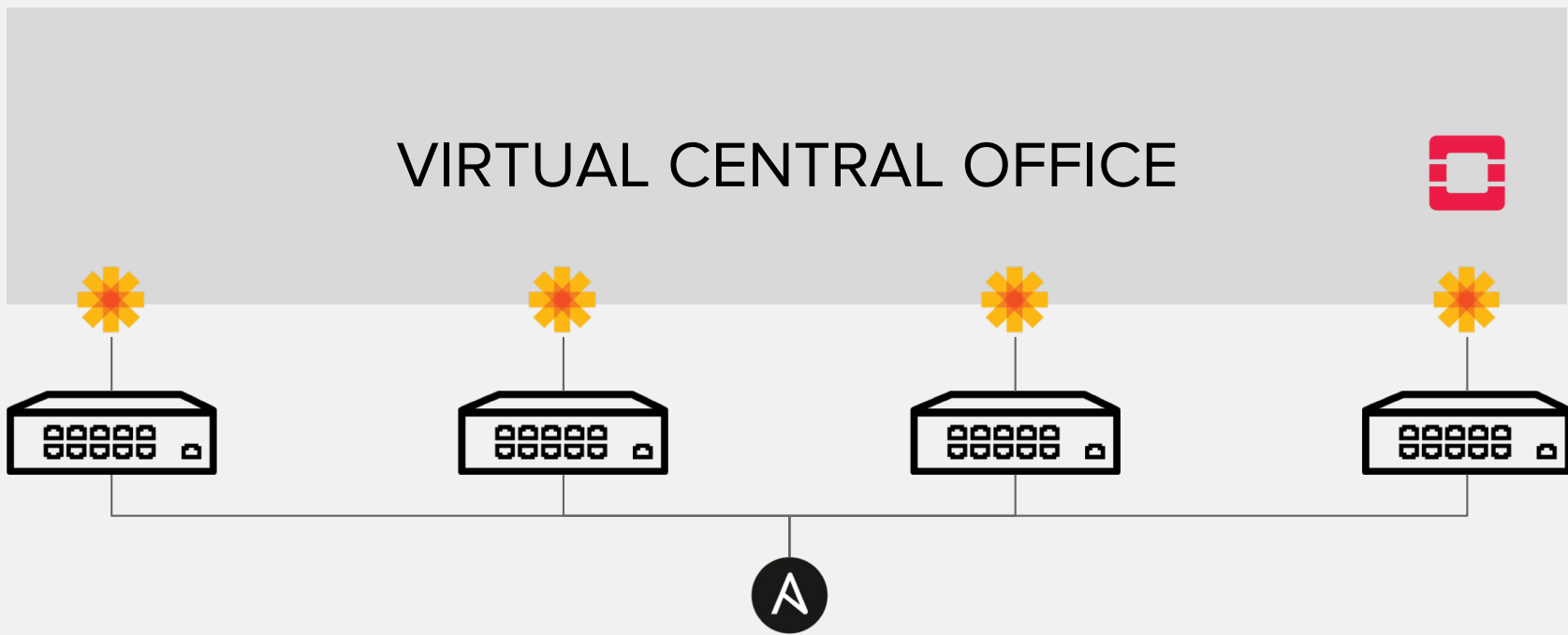
NFV Infrastructure and VIM



CONTROL AND USER PLANE SEPARATION

Virtualized control plane and accelerated data plane

NETWORK FABRIC AUTOMATION



ORCHESTRATION AGNOSTIC



VIM API



VIRTUAL CENTRAL OFFICE



WHAT'S NEXT

5G
CDN
DAY 2

ONE MORE THING ...

RED HAT VIRTUAL CENTRAL OFFICE SOLUTION



MOBILE

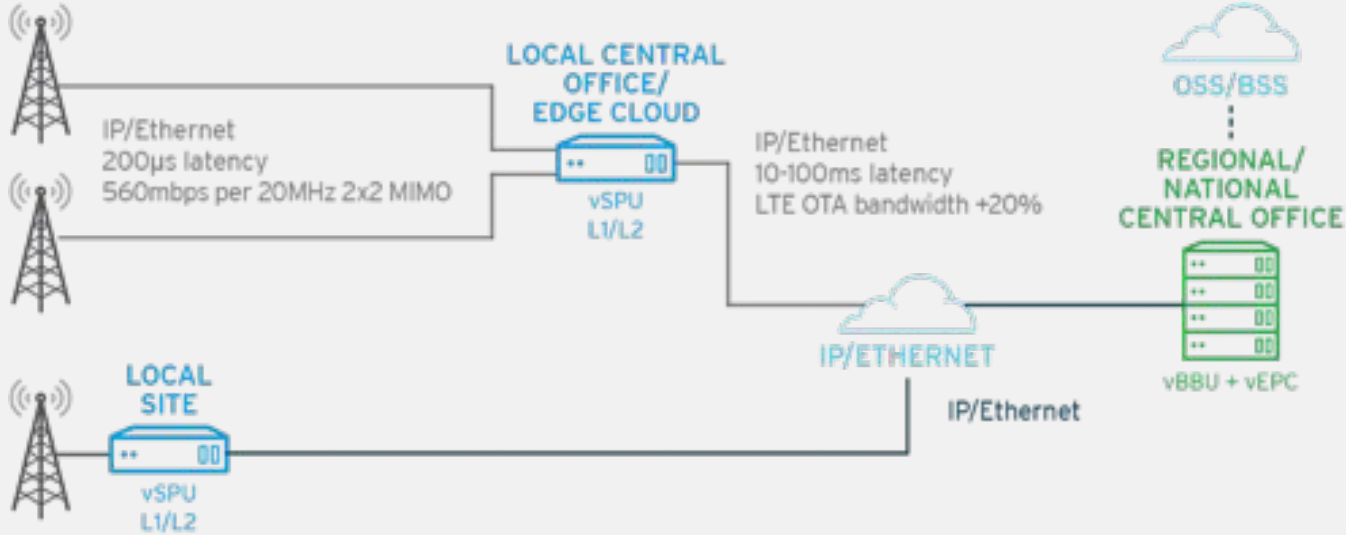


ENTERPRISE



RESIDENTIAL

RED HAT VIRTUAL CENTRAL OFFICE SOLUTION



Red Hat virtual central office solution for mobile services delivered from the network's edge

LAUNCHING PARTNERS



PARTNERS TECHNOLOGY CENTERS





Hall 2 Booth 2G40

redhat.com/vco



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ons
EUROPE
OPEN NETWORKING 2
Integrate, Automate, Accelerate

Mobile Services - vRAN | vEPC

