

Early Adopter of NFV? Mitigate Risk! UKNOF 34 - Manchester

Anthony Magee, 21st April 2016 Global Business Development

What are we trying to do?



VNF Virtual Network Function



Physical network devices can be replaced with software versions





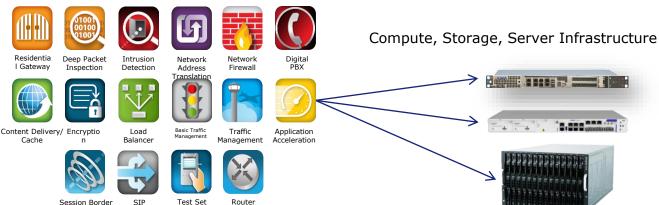
Benefit of Virtualisation: <u>Choice of</u> Hardware



Physical Network Appliances become VNFs

Controller

Gateway



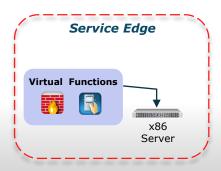
Choose any platform or brand

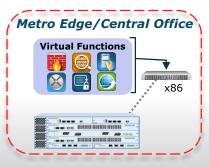


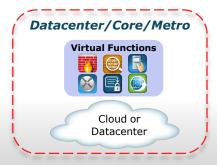
Benefit of Virtualisation: Choice of Location

Virtualization choice in deployment locations

VNFs placed where needed









Caveat: Not everything can/should be virtualised

Where Virtualization Works

- Limited life-time/elastic services
- Flexible parameters / algorithms
- Moderate processing load

e.g. CPE devices

Dedicated Hardware Preferred

- Static, always on, high volume
- Performance and delay-critical
- Synchronization

e.g. Core Routers...for now



Avoiding problems/mitigating risk

- Some Examples...
- Early adopters need more visibility
 - Server Failures
 - Software instability
 - Latency challenges
 - Interop between multiple VNF vendors
 - · Assurance and ability to isolate
- MANO Challenge
 - Global Vs Domain Orchestration
- Marketing Challenges
 - "I've virtualised your UNI!"
 - "But I pay for a physical UNI"

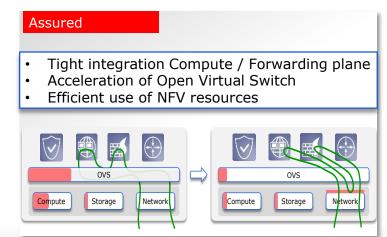
Assured NFV Minimizes Risk



Edge Virtualization



COTS Hardware Choice of brand



Pure-Play and Assured balance flexibility and performance



Choices, Choices...

- · Choice of...
 - Appliances to virtualise
 - Location to place VNFs in
 - · Platforms to host VNFs on
 - PurePlay vs Assured
- Above all...
 - Openness and Interop!
- · Demos during breaks and after event
- It's not virtual, its real, and it's here today!





Thank You













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