

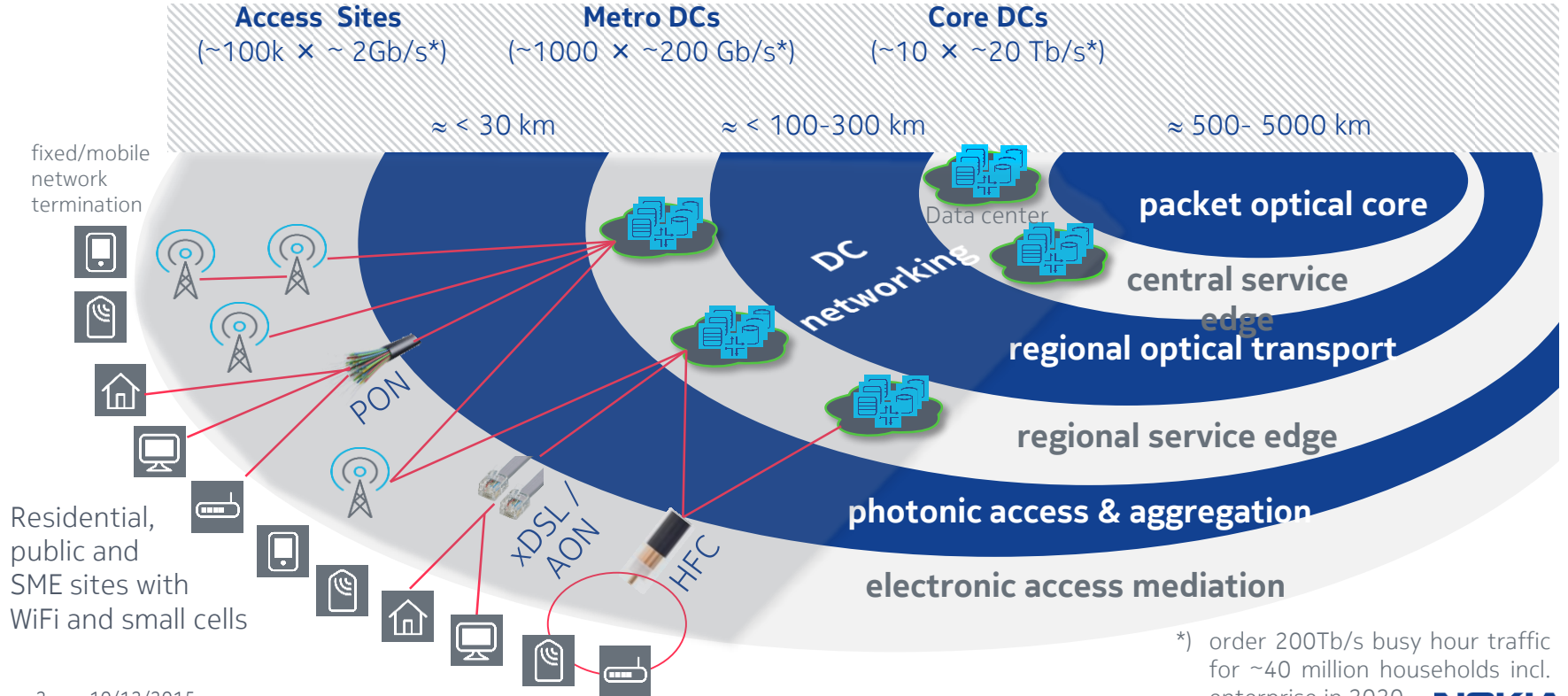
# High performance packet processing for the 5G era

10.12.2015

Presenter: Paolo Zanier ([paolo.zanier@nokia.com](mailto:paolo.zanier@nokia.com))

# Service functions consolidate in data centers in core and metro

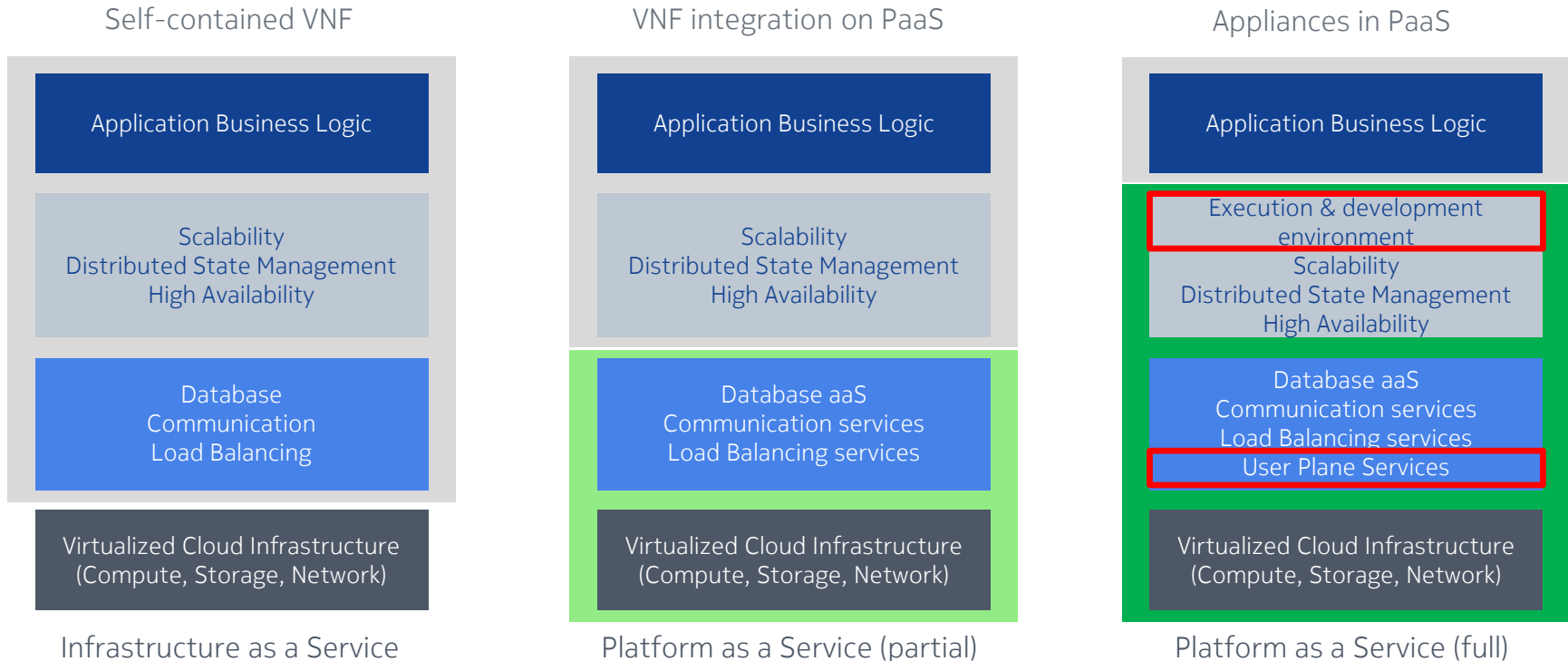
Access agnostic service platform based on DC networking in a distributed cloud



\*) order 200Tb/s busy hour traffic for ~40 million households incl. enterprise in 2020

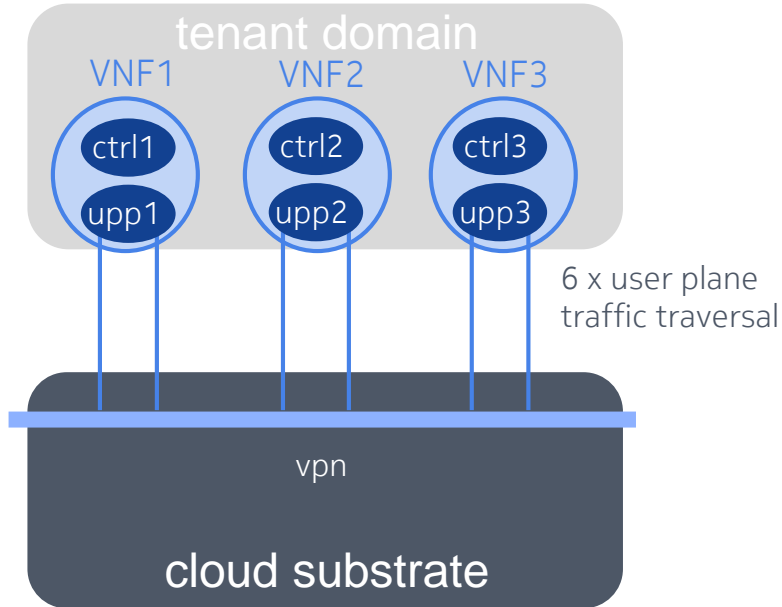
# From monolithic VNF/application design towards Distributed Computing

Moving beyond IaaS towards higher level cloud abstraction & generic IT application platform

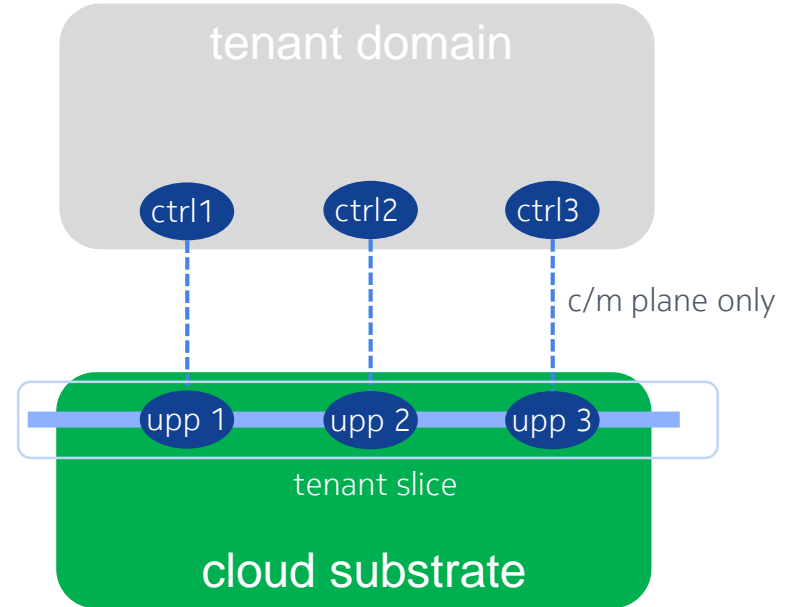


# Virtual networking in IaaS model vs. network slicing in PaaS model

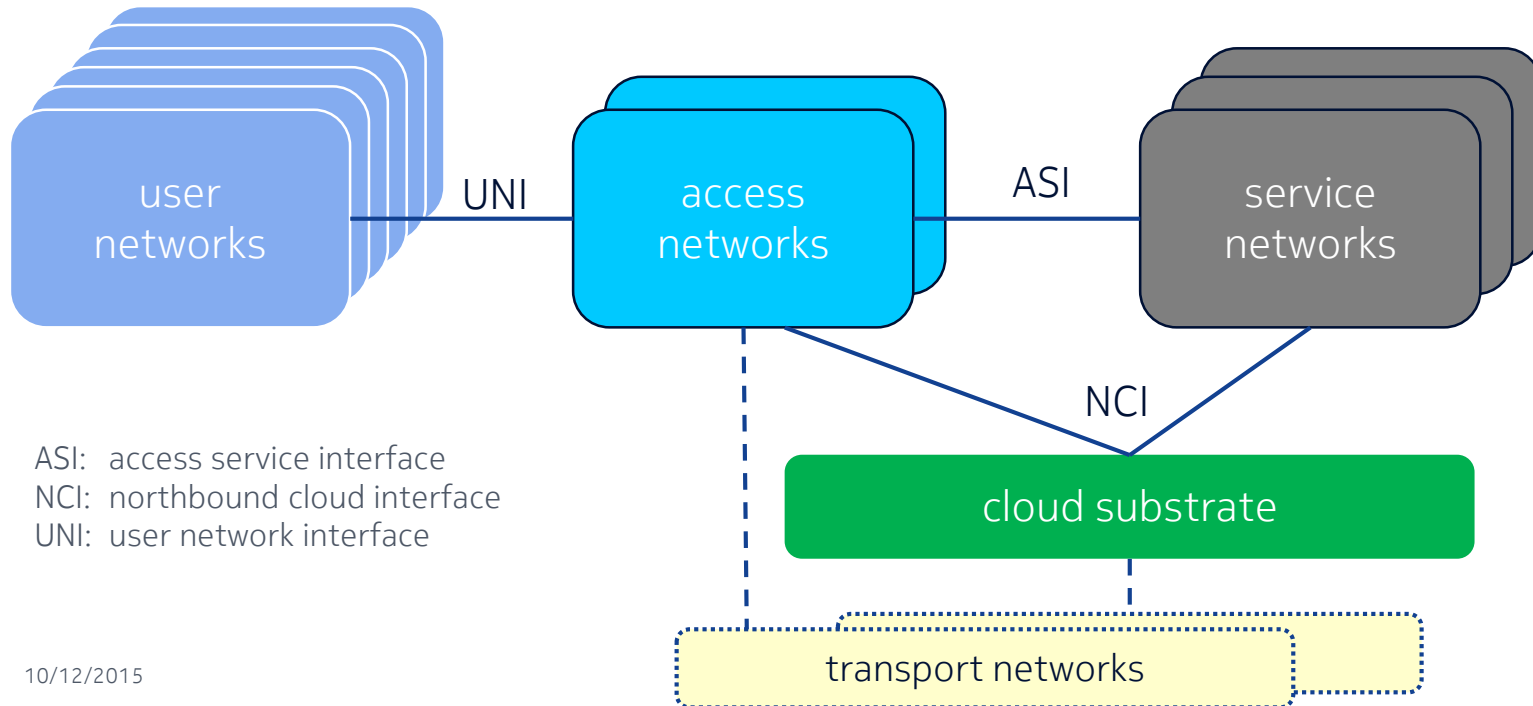
IaaS model provides transport (VPNs), user plane processing stays in tenant domain



PaaS model provides user plane processing services



# Independent administrative domains with reference points in-between facilitate flexibility of business models



# An access independent telco cloud platform offers generic services to converged network service slices based on a PaaS model

