



5G – Enablement Platform

Samsung 5G Summit

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October 19, 2016

Our “Big Bang”

...the Internet!



Internet Is Constantly Growing



By year 2020:

- 82% of the world's IP traffic will be video
- There will be over 12 billion IoT connections
- The network needs to fundamentally change

Cisco VNI Report Feb. 2016

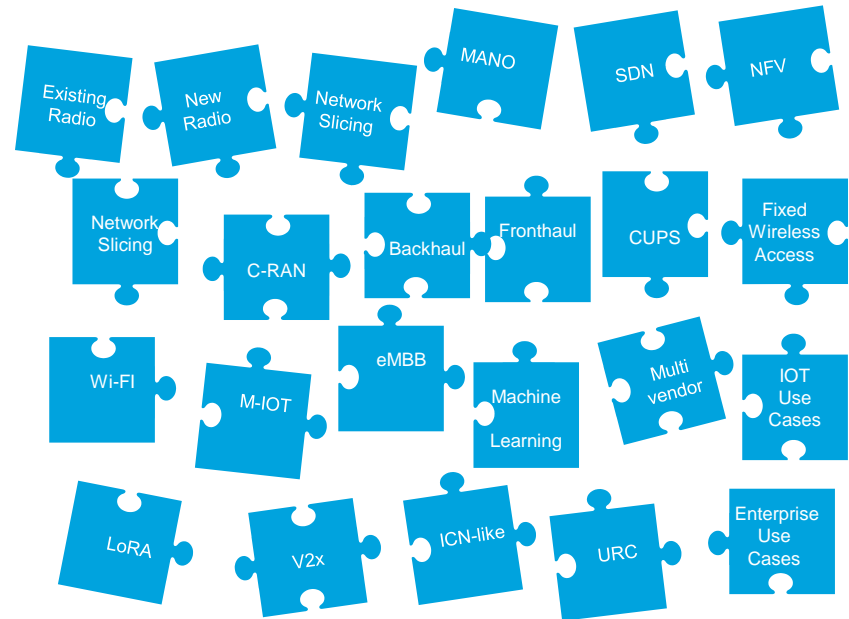
5G Has a Lot of New Things!

LTE in 2010



OTT
Internet
Operators Services
Mobile Core
Backhaul
Radio

5G in 2016



What Does the 5G Network Mean for Cisco?

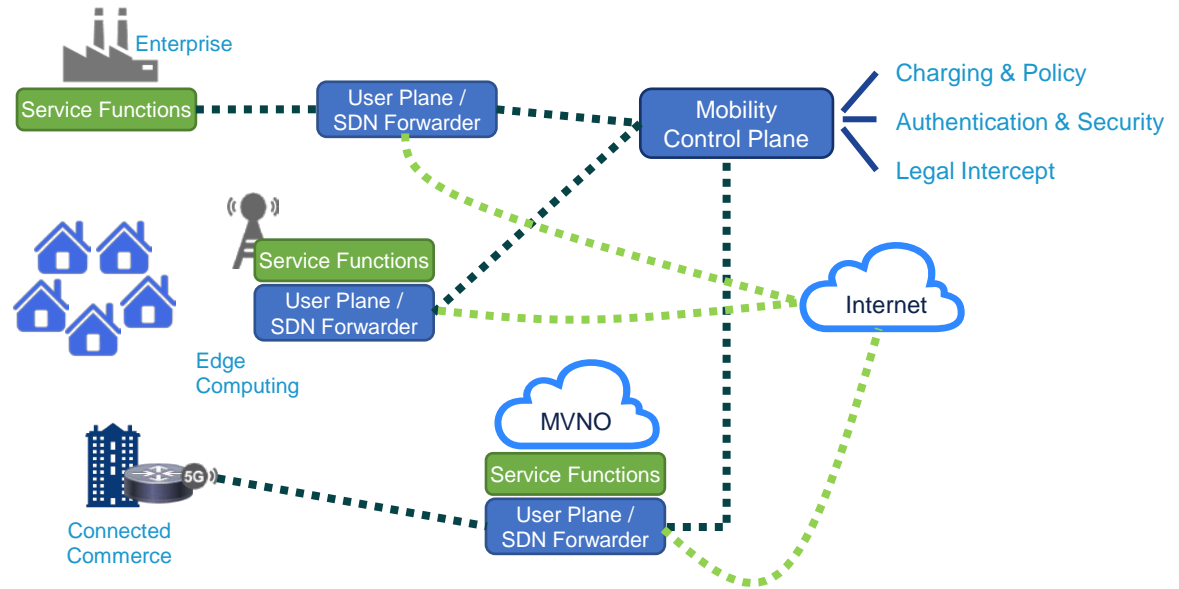
Keeping it very simple:

Cisco's 5G network is a highly automated, access agnostic, super-scale platform offered to operators and enterprises as a platform. It enables new and innovative use cases either introduced securely by the operator or through enablement of third-party partners or vertical industry customers.

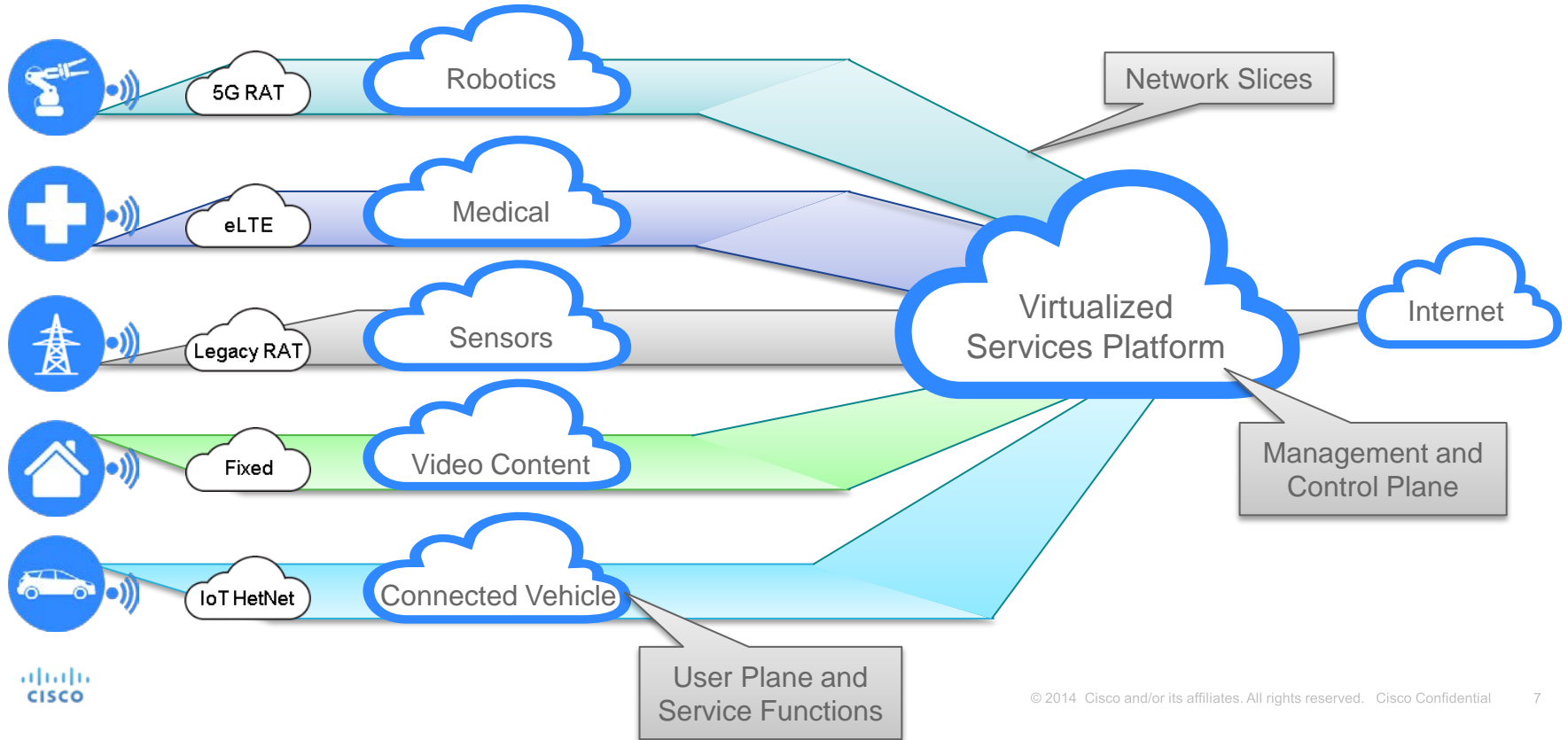
One key word: **enablement**

Control User Plane Separation... Enables

- Distributed architecture
- Greater function utilization efficiencies
- Placing exact services and functions where needed
 - Network slicing done right
 - Near-edge compute and storage
 - Enterprise premise based secured customized services



5G Virtualized Distributed Architecture Network Slicing



5G is the Platform for Innovation

5G
Opportunity



FIXED-WIRELESS ACCESS AND SERVICES



VIDEO ANYWHERE



INTERNET OF THINGS

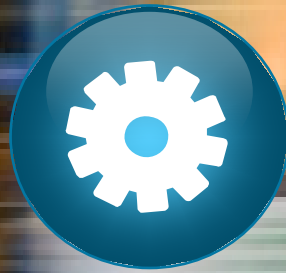


NETWORKS ON DEMAND

5G Requires Architectural Transformation



VIRTUALIZATION



AUTOMATION



SIMPLIFICATION

5G

**It's everything you need
Exactly where and when you need it**



There's never been a better time for 5G

