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6 Considerations for Data Storage in a 5G World

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Safe Harbor | Disclaimers

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By **2021**,
847 ZB/Year
of data created from
30+ Billion
connected devices



Auto

4TB for self-driving car/day



Consumers

9EB data traffic/day



City

36GB single M2M device/day



Industrial

1TB for a smart factory/day



Client

2.6EB PC data traffic/day



Home

293GB per home/day



Mobile

4.2EB of smartphone data traffic/day



Surveillance

1.1TB for an 8K video camera/day

Source: Cisco VNI Nov'18; Intel; WDC analysis.

5G Brings Opportunities and New Challenges

Connectivity

5G enabled compute devices will grow for every market segment

Applications

Devices must support high performance applications

Architecture

HW components cannot be the data bottleneck

5G Performance up to 100X the speed of 4G/LTE enables new applications and use cases, but introduces system challenges

What Is Your Data Strategy?



Smart Home



Immersive Entertainment



Cloud DVR



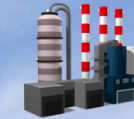
CDN



Business Services



SmartCities



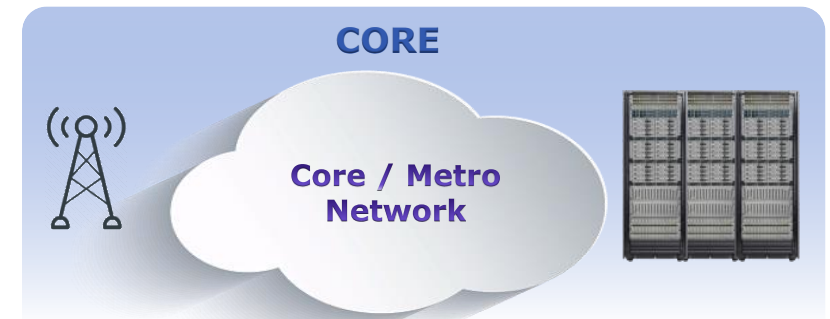
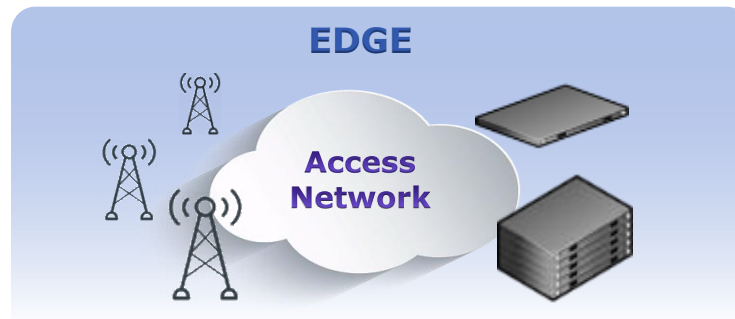
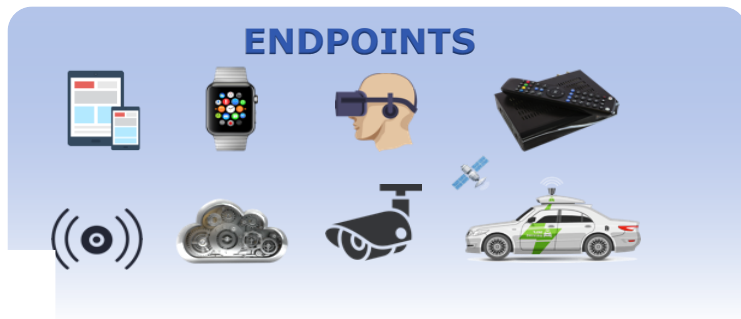
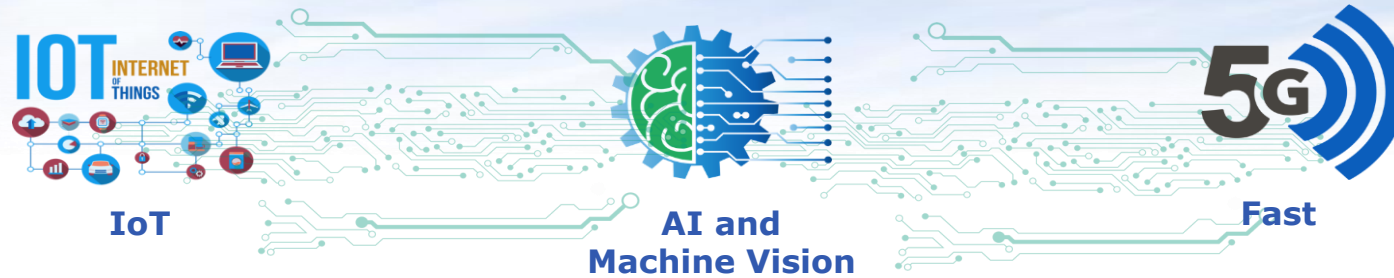
Factory Automation



Autonomous Driving



Healthcare



6 Data Storage Design Considerations



The future is coming 5G fast.



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