The Edge Computing Opportunity
A CSP View

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Next-Gen Apps:
The Art of the Possible
Next-Gen Application Requirements

Enhanced Mobile Broadband

- Gigabytes in a Second
- 3D Video - 4K Screens
- Work & Play in the Cloud
- Augmented Reality
- Industrial & Vehicular Automation
- Mission Criteria Broadband
- Self Driving Car

Massive Machine Connectivity / IoT

Ultra-High Reliability & Low Latency

Smart City Cameras
Voice
Sensor NW
Implications for Telco / CSP Cloud

- Ultra-Low Latency
- High Bandwidth
- Local Breakouts
- Transport Cost Savings

- Sensory Network
- IoT Gateway
- Meter
- Wireless
- uCPE
- Broadband

- Telco Edge Site
  - Telco
  - IoT
  - NFV Edge Platform

- Core Site
  - NFV Platform
  - Public Safety
  - Remote Operations
  - ML & Analytics
  - Autonomous Driving
  - AR / VR
  - CDN Cache
Telco Cloud Evolution Towards Edge

- 5G Traffic Profiles
- Advanced Networking
- Service Composability and Function Chaining

- Edge Analytics with Machine Learning
- Edge Cloud Federation
Extend to Private, Public Clouds

- **Public Cloud**
  - Management & Security
  - Compute
  - Storage
  - Networking

- **Private Cloud**
  - Management & Security
  - Compute
  - Storage
  - Networking

- **Telco Cloud**
  - Management & Security
  - Compute
  - Storage
  - Networking

- **Edge**
In Conclusion

• Interesting edge computing opportunities emerging
• Clouds will get more distributed closer to the Edge
• Telco Cloud architecture unique advantage