

Intel® Network Builders Enterprise Networks Insights Series

Monetizing Enterprise Services with Private 5G, LTE and IoT



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Moderated By: Andrew Tang, Regional Alliance Lead, Team Microsoft, Intel

Questions Tab

Submit questions at any time

Attachments Tab

Please complete our survey.

Check out Intel® Network Builders University.

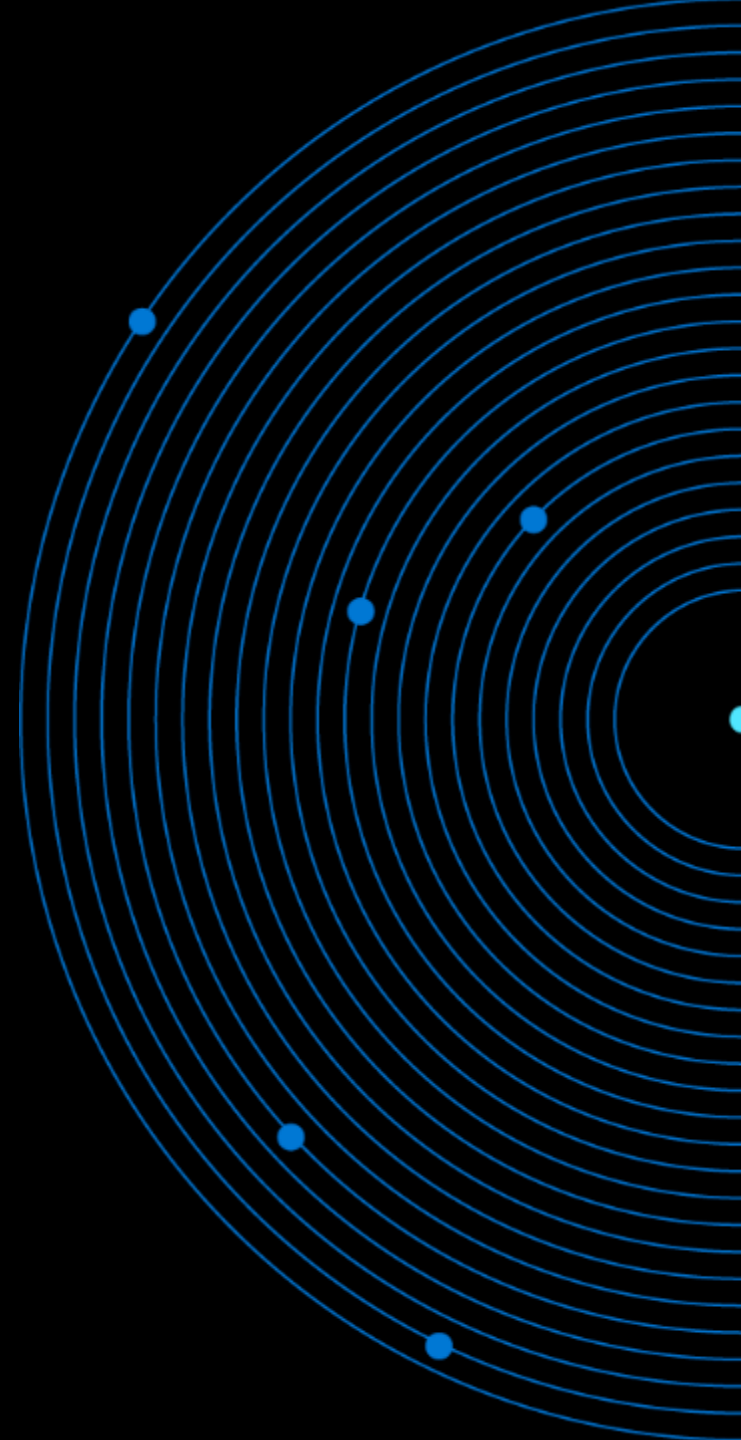
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Monetizing Enterprise Services with Private 5G, LTE and IoT

Intel Networks Insights Series
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A shared cloud vision



Azure and Intel are accelerating cloud adoption by bringing feature-rich, easy-to-deploy cloud solutions to market.

Together, we want to empower every person & organization on the planet to achieve more.



"This collaboration builds upon a long history of innovation to create a strong foundation for delivering best-in-class cloud services for customers and businesses across the enterprise. We continue to work closely together to maximize technology and business opportunities for our customers."

Jason Grebe

Vice President and General Manager, Cloud Platform and Technologies Group, Intel

Key principles of Microsoft's Operator strategy

- 1 We are bringing the power of cloud to future-proof your network, driving down costs and opening new revenue streams
- 2 We will partner—you own customer, brand, ideation, experience
- 3 We remain a platform business—our focus is on moving workloads to a carrier grade cloud
- 4 We will meet you where you are—on-premises, at the edge or in the cloud
- 5 Support the ecosystem—we will work closely with providers of RAN, Core, CNFs and OSS/BSS to integrate and innovate
- 6 It is a journey—we will act as a trusted partner to help you transform at a pace that makes sense for your business

Private 5G for Enterprise





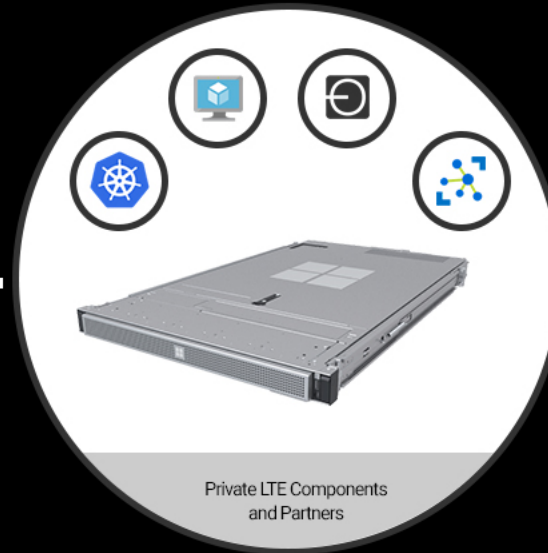
Attabot



Radio



Packet Core



Cloud



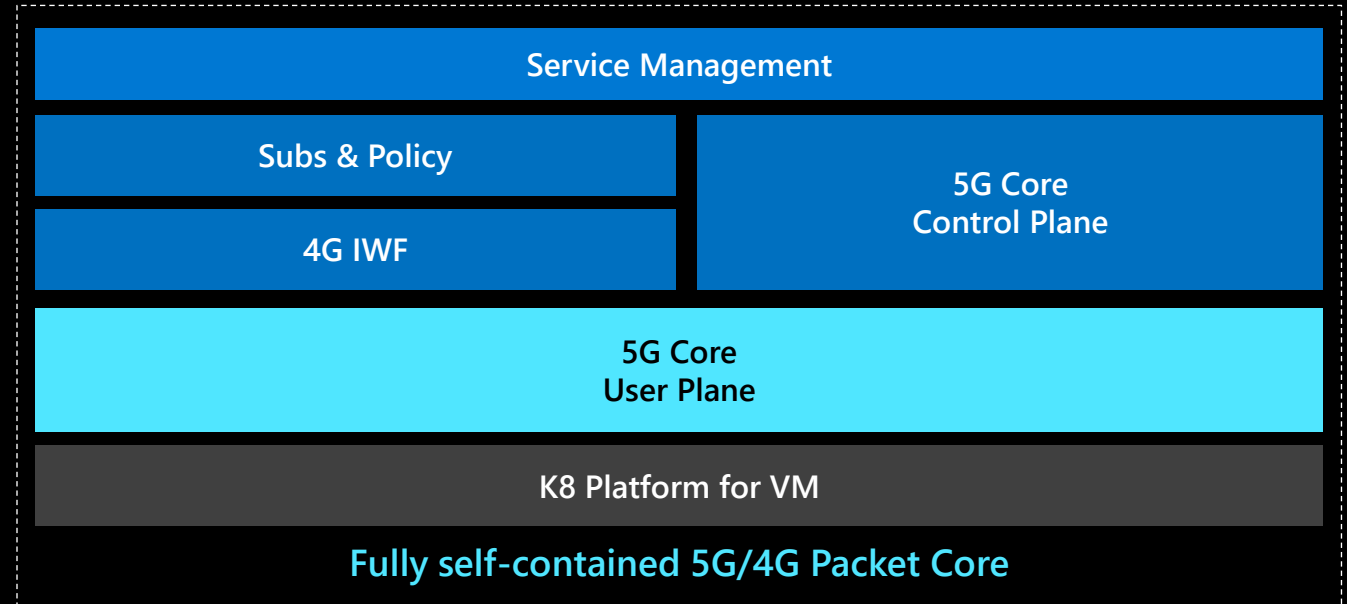
Microsoft – 5G for Enterprise

Capabilities

- Complete set of 5G SA core network functions with 4G IWF
- Rich dashboards and APIs for Enterprise and Operator management
- Deployable on Intel x86 COTS (HPE, Dell, Supermicro, ODMs)
- Available on Azure Stack Edge using Azure Network Functions Manager

Benefits

- Rapid delivery of private 5G or LTE on edge
- High performance in small footprint
- Simple subscription pricing



- Azure Stack Edge
- Intel x86 COTS (HPE, Dell, Supermicro, ODMs)

intel®

Target Vertical Applications

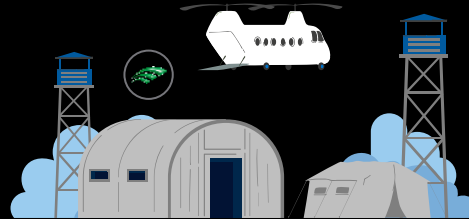
Industrial Automation



Smart Cities



Defense



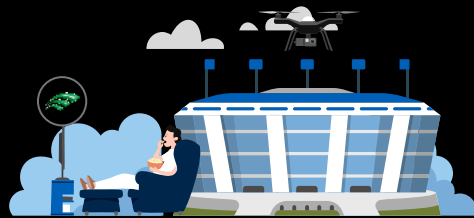
Retail / Warehouses



Healthcare



Live Events



Smart Agriculture



Gaming AR/VR



Some Microsoft ISVs



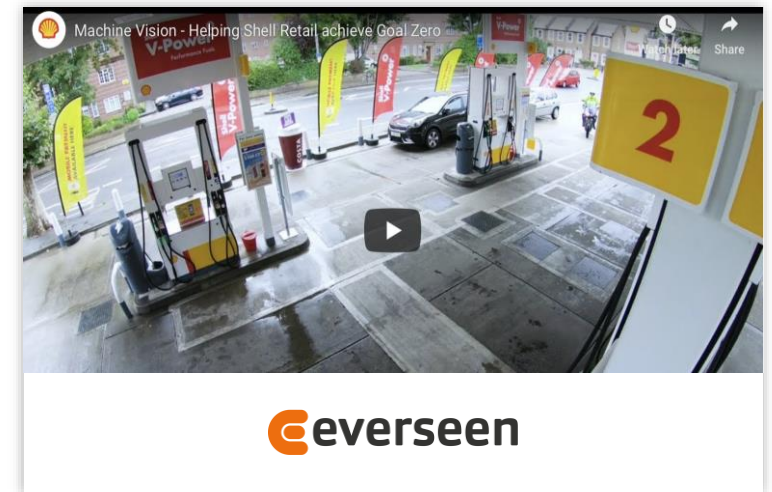
Warehouse automation with AGVs

Improved operational efficiency leveraging Automated Guided Vehicles (AGVs) and 5G for material handling across factory floor.



Mixed reality immersive training and assistance

Provide real-time instructions to workers through guided tasks, feedback to digital twin and improve learning, task consistency, worker safety and productivity.



Realtime workplace safety and productivity

Find things and people to take action and improved safety and productivity. Leveraging real-time streaming video analytics and integration with business process.

Use Cases



Wave In ► Inventec (Taiwan)

- Use Cases – Industry 4.0
 - Private 5G SA
 - Real-time review of defects and component misplacements in Printed Circuit Board assembly line
 - Increased auto-inspection accuracy to over 95%
 - 50% reductions to human inspection manpower



HPE ► Infosys ► Daimler (Global)

- Use Cases
 - Private 5G SA
 - M2M Factory Automation,
 - Automated Guided Vehicles
 - AR/VR Low latency apps



Tampnet ► Maersk (Europe)

- Use Cases – Connected Ocean Oil Rig
 - 4G Edge
 - Connected Worker, Corrosion Under Insulation (CUI)
 - Remote Inspection (AR/VR), Vibration Monitoring
 - Asset Tracking, Emissions Monitoring



Wrap-up & Summary



"I have been very clear about our business model—we're not trying to become a telecommunications company, or a drug company or an automobile company.

We want to partner with them."

Satya Nadella, CEO, Microsoft



Thank You

Questions?

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Survey

Do your networks projects need support?

Complete our survey in the link below so our Intel staff can help!



