Microsoft in Telecommunications Empowering Operators and Partners

Rui Carmo

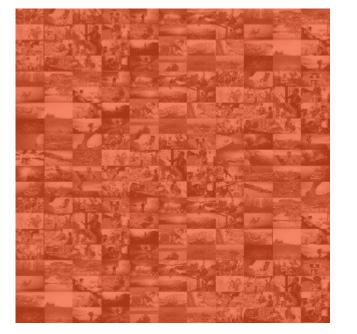
Principal Architect Azure for Operators

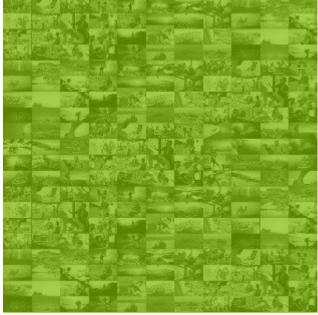


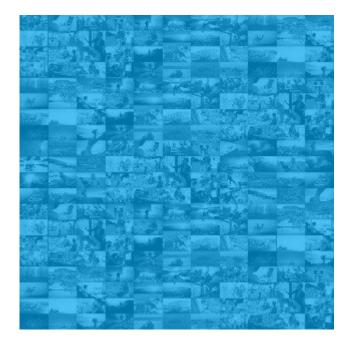




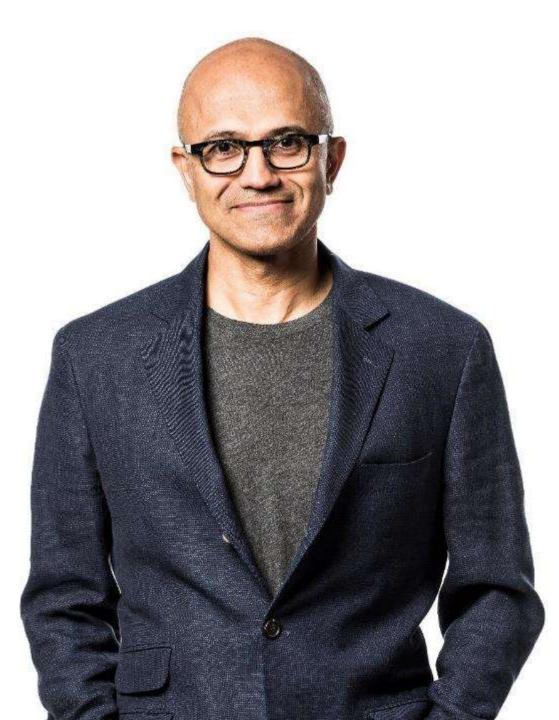
Microsoft in Telco











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

Microsoft's perspective for Telecommunications

Microsoft for Telecommunications

Microsoft empowers telecommunications organizations to achieve more with a trusted and secure platform for productivity, business operations, network optimization, personalized experiences, and product innovation.

Elevate customer experiences



Empower service teams with data-driven insights to increase productivity and enhance care. Use conversational AI to enable self-service, expedite issue resolution, and deliver frictionless customer experiences at scale.



Streamline enterprise

Simplify workflows, realize operational efficiencies, and build a hyper-connected business through cloud-native applications, intelligent processes, and automation. Accelerate network transformation



Use the power of a carrier grade, hybrid cloud to improve network efficiency, scalability, and reliability, reduce cost, and grow revenue. Reinvent product innovation and monetization



Optimize 5G investments and create new revenue streams with a platform for the rapid development, deployment, and monetization of innovative crossindustry edge and IoT services.

Build a secure data-driven business



Enable a secure data platform with intelligent analytics optimized for the cloud.

Sustainability

Microsoft Telecommunications Industry Affiliations

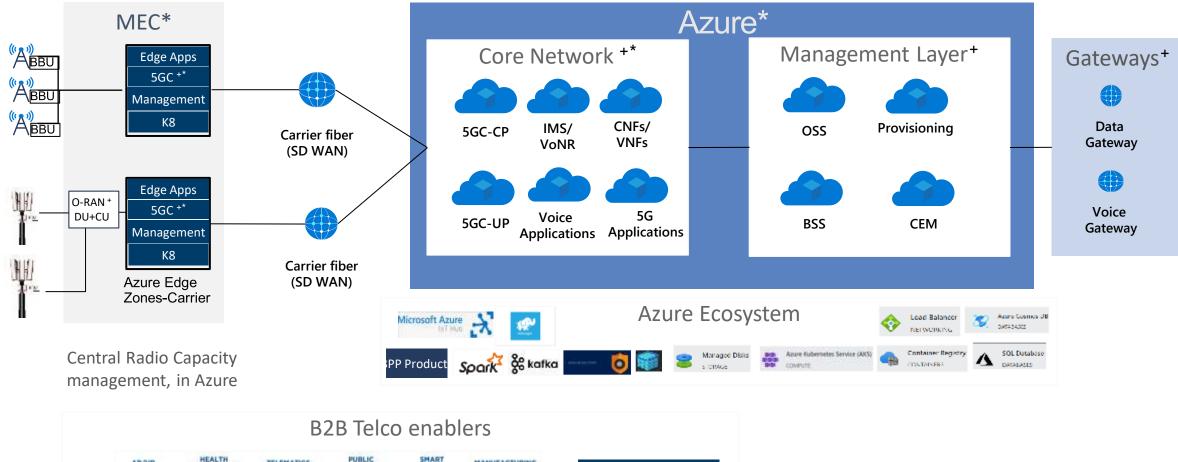


Apr 2022 | Not a complete list of telecommunications industry affiliations

Microsoft's Carrier Grade Platform



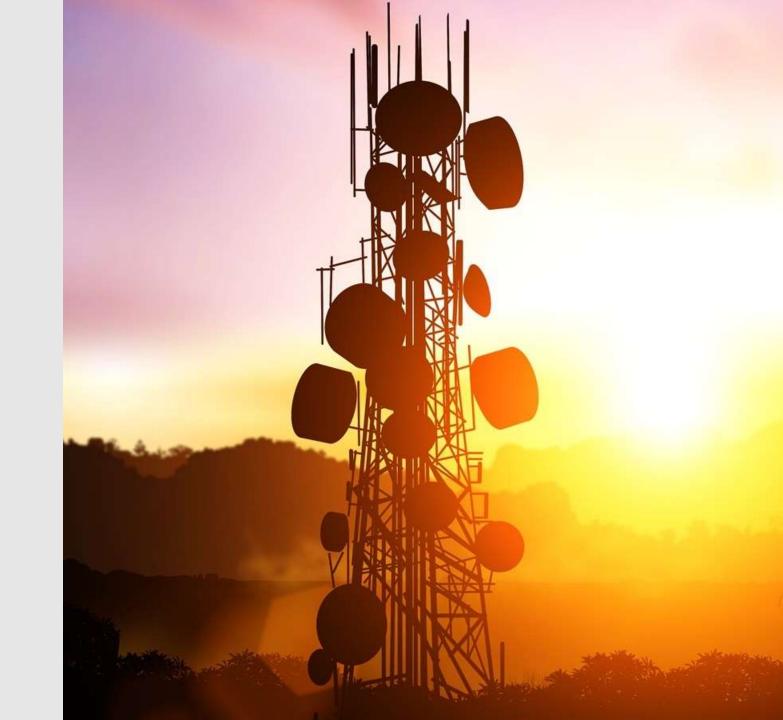
Hybrid Cloud Architecture for 5G





+ Partner/NEP products, * Microsoft Products

Transforming into a Digital Service Provider



Forces at work driving change



Investment in 5G, edge, and fiber network infrastructure



Reducing costs and complexity of business operations



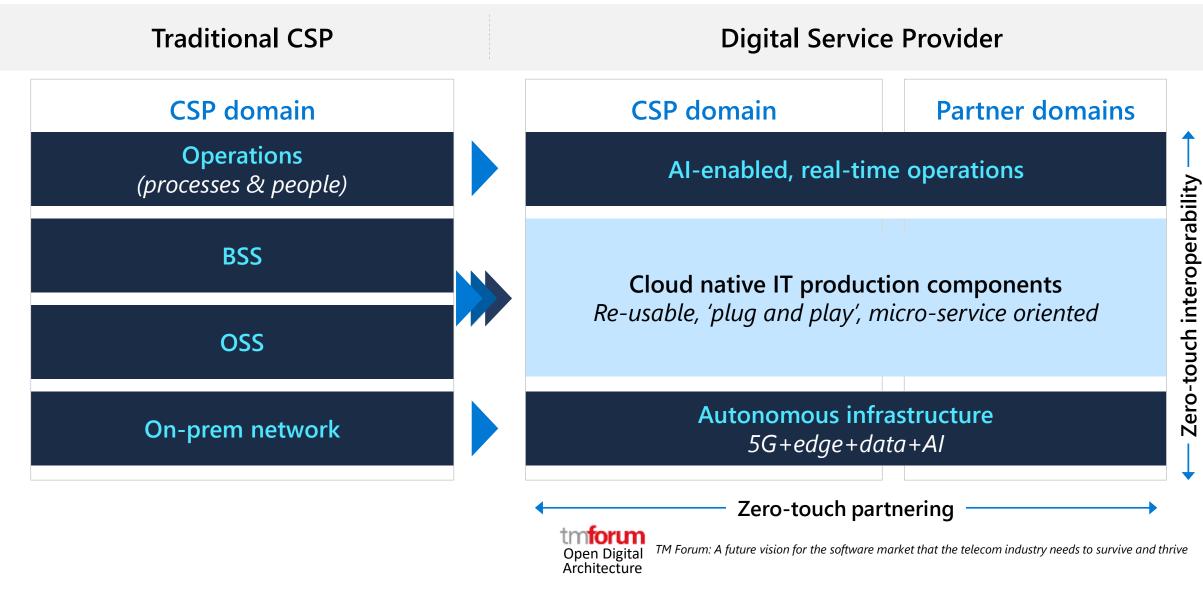
Transition from connectivity provider to digital service provider



Development of industry-specific edge services

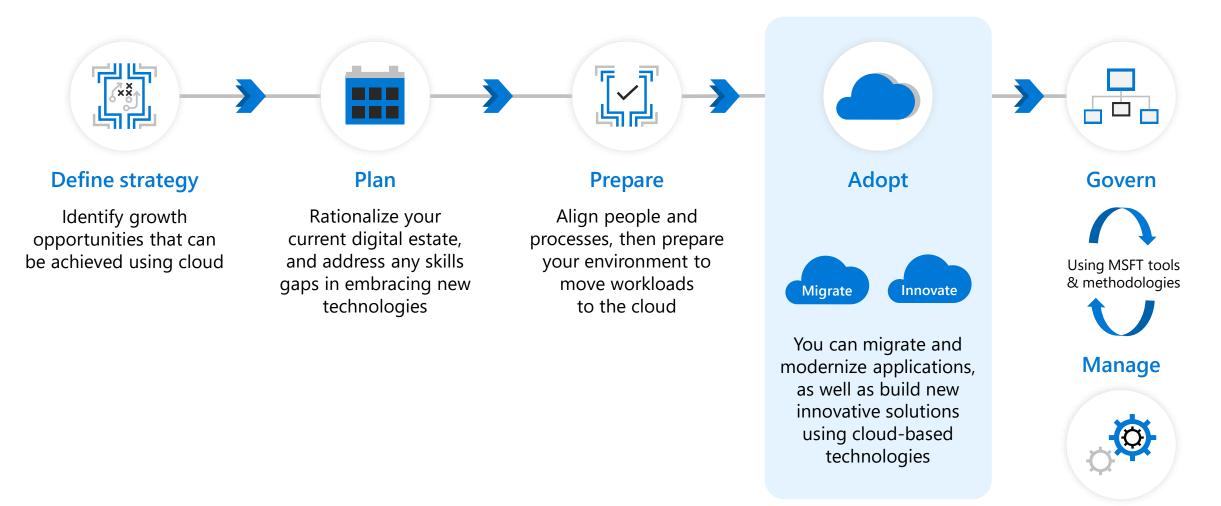


To transform from a traditional CSP to a digital service provider



Becoming cloud native is a big investment, but we make it simple

The Microsoft Cloud Adoption Framework for Azure is proven guidance that's designed for your success



Partnering with Carriers





A strategic alliance to deliver innovation with cloud, AI, and 5G



Accelerating the deployment of digital services and next-gen infrastructure

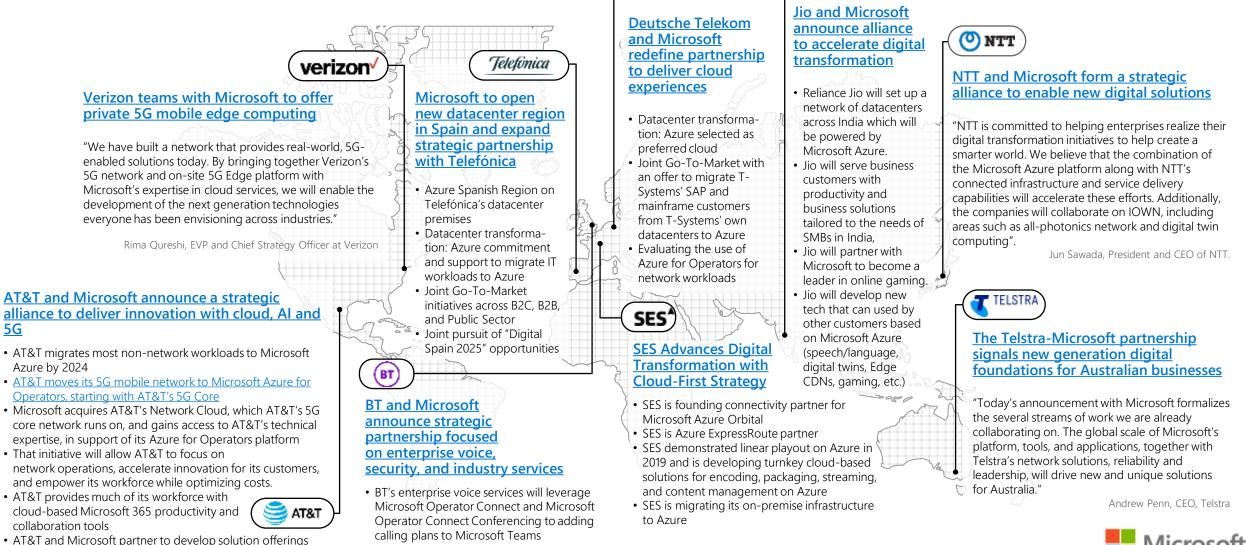


B2B and B2C Offerings for Operators with Microsoft

B2	Microsoft Products			
End User Communications & Collaboration	Teamwork (Voice, Collaboration, Meeting and Contact Centre Solutions)	End User Security (Identity & Access Management, Information and Data Protection)	Endpoint Management (Virtual Desktop, Mobile Device Mgmt, Connected Devices aaS)	Microsoft 365 Teams with Direct Routing Surface Range of Devices Azure WVD, AD, MIP, Intune
Hybrid Cloud, Networking & Security	Cloud Connect & Security (MPLS/SDWAN/Firewall, Threat Management)	Managed Cloud Services (Windows & Linux migrate, Hybrid Solutions, SAP on Azure)	Network Edge Solutions (MEC/NEC, Mobile Private Network)	Azure Compute Platform Azure Arc Azure Networking Azure ATP, Azure Sentinel Azure for Operators
Business Solutions	IoT (Applications, Platform and Connectivity)	Business Applications (ERP, Sales, Marketing, Customer Service, Project Management)	Industry Clouds (Financial Services, Healthcare, Retail, Manufacturing, Nonprofit)	Azure (IoT, AI, Synapse) Dynamics 365 HoloLens Microsoft Industry Clouds
Consumer Services	Gaming (across devices and platforms)	Media (Streaming, Content Aggregation, Personalization)	Advertising (Telco Marketing, Telco Engagement, and Retention, Asset and Data Monetization)	Xbox, Game Pass Ultimate xCloud Vubiquity, MediaKind, Firstlight Inmobi

Strategic Partnerships with Telecommunications Operators

Examples that can inspire our thinking



BT will migrate its Global Managed Voice (GMV) service serving Fortune 500 multinational companies in more than 180 countries to Azure for Operators

Partner Ecosystem





SOLUTIONS ECOMMUNICATIONS Ш \vdash

Representative example of select partners

Enabling Partners in Taking Solutions to Market

Discovery	Develop	Launch	Grow
Accelerate Partner Investment thru envisioning and development of new IP	Enable partners to understand how to build and deliver cloud- native solutions	PoC and MVP guidance and GTM advisory, planning and execution	Scale predictably through a consistent GTM process & technical roadmap guidance
New Possibilities	Differentiated Solutions	Produce Results	Predictable Impact

Technical Enablement & Practice Building

+

Programs & Services to reach new customers

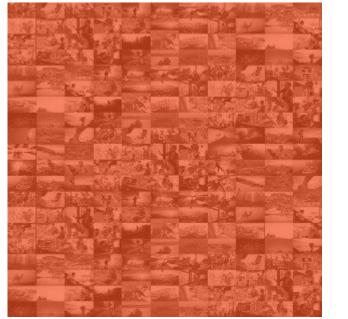
Azure Platform

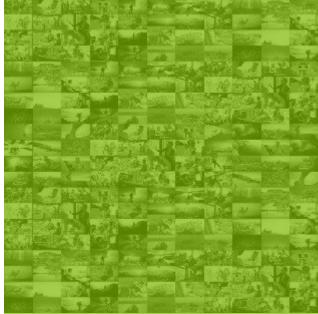
Reference Architectures

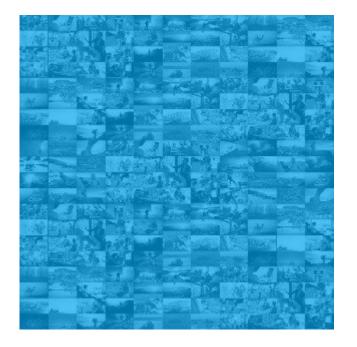
Azure Marketplace

B2B Carrier Partnerships

A Glimpse of the Future

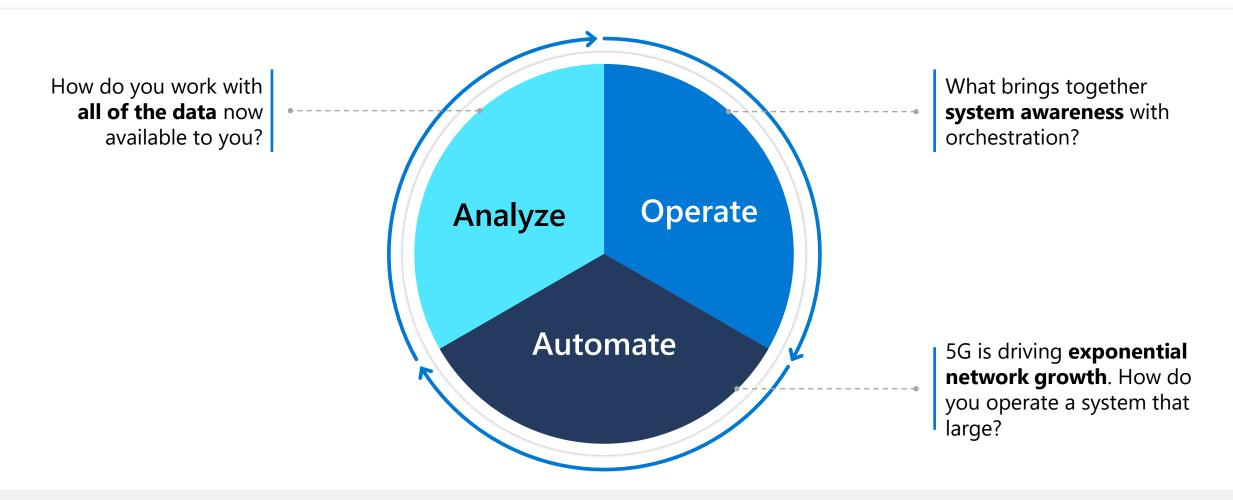








Telco Market trends: AlOps – Closing the loop

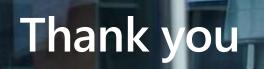


AlOps

Using machine learning on network analytics to automate operations and diagnose carrier systems.

Bringing AlOps to Market

Strategy		Product Design	Enablers	Partners
Industry Focus		Capabilities	Tooling	Solutions
Azure for Operators AIOps	Observability	 Prescriptive Analytics Anomaly Detection Alarm Prediction Service Quality Prediction E2E User Experience 	Solution Accelerators	Voice Core 5G Packet Core Network (End-to-end)
	Intelligent Operations	 Predictive Maintenance Proactive Assurance Process Automation (capacity tuning, incident managemen etc.) 		



Microsoft



Q&A





microsoft.com/telco