Google Cloud, Nokia Partner to Accelerate Cloud-Native 5G Readiness for Communications Providers

Google Cloud and Nokia will jointly develop cloud-native 5G Core solutions for communications service providers and enterprise customers

New partnership will deliver cloud capabilities to the network edge to accelerate enterprise digital transformation

Espoo, Finland and Sunnyvale, California, January 14, 2021 – Google Cloud and Nokia today announced a global, strategic partnership to bring new solutions for communications service providers (CSPs) that modernize their network infrastructures, build on a cloud-native 5G Core, and develop the network edge as a business services platform for enterprises.

Under this partnership, Google Cloud and Nokia will work closely to validate, optimize and evolve cloud-native network functions, and the two companies will also co-innovate new solutions that will help CSPs deliver 5G connectivity and services at scale.

Today, global CSPs can unlock new monetization opportunities by driving 5G connectivity and advanced services to enterprise customers at the network edge, to deliver new, digital experiences for consumers. Google Cloud and Nokia will create solutions that bring together Nokia's 5G operations services and networking capabilities with Google Cloud's leading technologies in AI, ML, and analytics, running on Anthos as a platform for shifting workloads to the network edge, across public and private clouds.

As part of this collaboration, Nokia is supplying its voice core, cloud packet core, network exposure function, data management, signaling, and 5G core. This includes Nokia's IMPACT IoT Connected Device Platform, which enables automated, zero-touch activation and allows for remote management of IoT devices, as well as Nokia's Converged Charging solution provides real-time rating and charging capabilities that enable CSPs to capture new revenue opportunities from the 5G economy.

Google Cloud's Anthos for Telecom will serve as the platform for deploying applications, enabling CSPs to build an ecosystem of services that are deployable anywhere, from the edge of the network, to public clouds, private clouds and carrier networks. By delivering cloud-native applications at the edge, businesses can benefit from lower latency and reduce the need for costly, on-site infrastructure, enabling them to transform their businesses in industries such as smart retail, connected manufacturing and digital consumer experiences.

George Nazi, VP, Telco, Media & Entertainment Industry Solutions at Google Cloud, said: "Communications service providers have a tremendous opportunity ahead of them to support businesses' digital transformations at the network edge through both 5G connectivity and cloud-native applications and capabilities. Doing so requires modernized infrastructure, built for a cloud-native 5G core, and we're proud to partner with Nokia to help the telecommunications industry expand and support these customers."

Alex Choi, SVP, Strategy and Technology Innovation at Deutsche Telekom, said: "Deutsche Telekom is on a journey to transform to a new open, disaggregated and cloud-native infrastructure with an automated production model. We are therefore excited to see two innovative organizations like Nokia and Google Cloud joining forces to accelerate ecosystem innovation across critical areas like Open RAN and virtual RAN and the cloud-native 5G Core."

Neil McRae, Chief Architect at BT Group, said: "BT is deploying cloud-native technologies across our platform, creating value for our customers and ensuring they get the best network experience in every aspect of their daily lives, whether at home, on the move or at work. The network and the services that our customers depend upon in their everyday lives can be further enhanced in terms of scalability, reliability, and experience with cloud-native technologies. BT is excited that Google and Nokia are innovating together to help accelerate new, on-demand edge and convergence solutions, creating new possibilities for consumers and enterprises."

Ron Haberman, CTO of Cloud and Network Services at Nokia, said: "In the past five years, the telecom industry has evolved from physical appliances to virtual network functions and now cloud-native solutions. Nokia is excited to work with Google Cloud in service of our customers, both CSPs and enterprise, to provide choice and freedom to run workloads on premise and in the public cloud. Cloud-native network functions and automation will enable new agility and use-cases in the 5G era."

Resources

- Nokia 5G Cloud-Native Core
- Nokia Cloud Packet Core
- Google Cloud's telecommunications Strategy

About Google Cloud

Google Cloud provides organizations with leading infrastructure, platform capabilities, and industry solutions. We deliver enterprise-grade cloud solutions that leverage Google's cutting-edge technology to help companies operate more efficiently and adapt to changing needs, giving customers a foundation for the future. Customers in more than 150 countries turn to Google Cloud as their trusted partner to solve their most critical business problems.

About Nokia

We create the critical networks and technologies to bring together the world's intelligence, across businesses, cities, supply chains and societies.

With our commitment to innovation and technology leadership, driven by the award-winning Nokia Bell Labs, we deliver networks at the limits of science across mobile, infrastructure, cloud, and enabling technologies.

Adhering to the highest standards of integrity and security, we help build the capabilities we need for a more productive, sustainable and inclusive world.

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