

Ericsson and NVIDIA Collaborate to Accelerate Virtualized 5G Radio Access Networks with GPUs

Joint Initiative Aimed at Enabling Telcos to Build High-Performing, Efficient and Completely Virtualized 5G Radio Access Networks

Mobile World Congress -- NVIDIA and Ericsson today announced they are collaborating on technologies that can allow telco operators to build high-performing, efficient and completely virtualized 5G radio access networks (RAN). These virtualized networks can enable faster and more flexible introduction of new AI and IoT services.

The collaboration, announced by NVIDIA founder and CEO Jensen Huang at a keynote ahead of the start of MWC Los Angeles, brings together Ericsson's expertise in RAN technology with NVIDIA's leadership in GPU-powered accelerated computing platforms, as well as AI and supercomputing.

Telcos are exploring alternative technologies and RAN architectures amid growing interest for virtualization, while securing the best possible user experience.

A major industry challenge is how to virtualize the complete RAN solution in a cost-, size- and energy-efficient way, comparable with traditionally built RAN networks. The collaboration seeks to examine how these challenges can be addressed in a commercially viable way.

The companies' ultimate goal is to commercialize virtualized RAN technologies to deliver radio networks with flexibility and shorter time to market for new services, such as augmented reality, virtual reality and gaming.

"5G is set to turbocharge the intelligent edge revolution," said Huang. "Fusing 5G, supercomputing and AI has enabled us to create a revolutionary communications platform supporting, someday, trillions of always-on, AI-enabled smart devices. Combining our world-leading capabilities, NVIDIA and Ericsson are helping to invent this exciting future."

Fredrik Jejdling, executive vice president and head of Networks at Ericsson, said, "As a technology leader, we embrace openness and new platforms where we can continue to innovate and push boundaries to provide our customers with the best possible solutions. With NVIDIA we will jointly look at bringing alternatives to market for virtualizing the complete radio access network."

About Ericsson

Ericsson enables communications service providers to capture the full value of connectivity. The company's portfolio spans Networks, Digital Services, Managed Services, and Emerging Business and is designed to help our customers go digital, increase efficiency and find new revenue streams. Ericsson's investments in innovation have delivered the benefits of telephony and mobile broadband to billions of people around the world. The Ericsson stock is listed on Nasdaq Stockholm and on Nasdaq New York. www.ericsson.com

About NVIDIA

[NVIDIA](http://www.nvidia.com)'s (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI — the next era of computing — with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the benefits and impact of NVIDIA and Ericsson's collaboration; NVIDIA and Ericsson collaborating to accelerate virtual network infrastructure and enabling telcos to build 5G RANs with GPU acceleration; the virtualized networks enabling faster and more flexible introductions of new services; telcos exploring alternative technologies and RAN architectures; the companies' goal to commercialize virtualized RAN technologies and its impacts; 5G being set to turbocharge the intelligent edge revolution; 5G, supercomputing and AI enabling the creation of a revolutionary communications platform supporting someday trillions of smart devices; NVIDIA and Ericsson helping to invent an exciting future; Ericsson embracing openness and new platforms where it innovates and push boundaries; and NVIDIA and Ericsson looking to bring alternatives to market for virtualizing the complete RAN are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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