



NEWS RELEASE

Lumen and AWS Partner to Unlock the Power of Generative AI Through Enhanced Network Operations and Delivery

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- Lumen's next-generation fiber network will support AWS infrastructure across the U.S. amid expansion of AI-driven services
- AWS generative AI technologies will transform and streamline Lumen's operations, paving the way for autonomous and dynamic networking capabilities

DENVER and SEATTLE, Oct. 30, 2024 /PRNewswire/ -- **Lumen Technologies** (NYSE: LUMN) and Amazon Web Services (AWS), an **Amazon.com** company (NASDAQ: AMZN), announced an agreement to strengthen data center connectivity and optimize network delivery of cloud technologies for hundreds of millions of customers across the United States. Lumen will use AWS technologies, including artificial intelligence (AI), machine learning (ML), and security, to modernize its applications and systems, and drive innovation in its portfolio of communications, network services, security, and voice products. In addition, Lumen will provide fiber connectivity to AWS data centers, helping enterprise customers build and deliver highly scalable AI applications across AWS Regions and AWS Local Zones.

Enhancing Infrastructure to Support AI Growth

Through its Private Connectivity FabricSM solution, Lumen will provide dedicated infrastructure with private fiber connections between AWS Regions and Local Zones. AWS will continue to deploy its custom network technologies on this fiber, enabling industry-leading security, availability, and performance between AWS locations. The enhanced AWS network will enable high-bandwidth and dynamic connections that provide customers with the ability to develop generative AI applications, train AI models, and deliver new AI-powered products across its Region and Local Zone footprint.

"AI is reshaping industries, and the network infrastructure supporting it needs to be just as dynamic and responsive," said Kate Johnson, president and CEO, Lumen Technologies. "AWS wants their customers to thrive in the AI economy and this network expansion will help enable that. As the trusted network for AI, Lumen is using next-generation fiber to help AWS deliver high-bandwidth solutions that will allow their customers to experience and deliver AI's full potential."

"The next wave of innovation will be driven by generative AI, which requires a combination of secure, scalable cloud infrastructure and flexible networking," said Matt Garman, CEO of AWS. "Together, AWS and Lumen will enable high-performance network connections that ensure customers across every industry can build and deliver compelling, secure, and reliable AI applications at scale."

Using AI to Modernize Network Systems for Improved Customer Delivery

Lumen is moving its IT and product platforms to AWS to drive performance, scalability, and operational efficiency. In the future, Lumen can apply generative AI technology, including Amazon Bedrock, to help better plan and optimize network resources. This will give Lumen full visibility of their network, both onsite and in the cloud, improving customer experience and reducing costs.

"By applying generative AI technologies like Amazon Bedrock, Lumen can transform its operations to enable faster decision-making and more autonomous, highly resilient networks," Garman said.

Lumen believes it will be able to transition to a generative AI-powered autonomous network platform that can dynamically manage resource allocation, as well as quickly identify and address service and network-related issues.

"Lumen is taking a page from Amazon's disruption playbook by cloudifying telecommunications and networking. With AWS, we are able to support our transformation and the growing needs of our customers," said Johnson.

Lumen and AWS have been partners for years. As an AWS Managed Service Provider Partner, Lumen helps customers migrate workloads to AWS, ensuring a smooth transition to their cloud infrastructure.

About Lumen Technologies

Lumen is unleashing the world's digital potential. We ignite business growth by connecting people, data, and applications – quickly, securely, and effortlessly. As the trusted network for AI, Lumen uses the scale of our network to help companies realize AI's full potential. From metro connectivity to long-haul data transport to our edge cloud, security, managed service, and digital platform capabilities, we meet our customers' needs today and as they build

for tomorrow. For news and insights visit news.lumen.com, LinkedIn: /lumentechologies, X: @lumentechco, Facebook: /lumentechologies, Instagram: @lumentechologies, and YouTube: /lumentechologies.

About Amazon Web Services

Since 2006, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud. AWS has been continually expanding its services to support virtually any workload, and it now has more than 240 fully featured services for compute, storage, databases, networking, analytics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, media, and application development, deployment, and management from 108 Availability Zones within 34 geographic regions, with announced plans for 18 more Availability Zones and six more AWS Regions in Mexico, New Zealand, the Kingdom of Saudi Arabia, Taiwan, Thailand, and the AWS European Sovereign Cloud. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs. To learn more about AWS, visit aws.amazon.com.

About Amazon

Amazon is guided by four principles: customer obsession rather than competitor focus, passion for invention, commitment to operational excellence, and long-term thinking. Amazon strives to be Earth's Most Customer-Centric Company, Earth's Best Employer, and Earth's Safest Place to Work. Customer reviews, 1-Click shopping, personalized recommendations, Prime, Fulfillment by Amazon, AWS, Kindle Direct Publishing, Kindle, Career Choice, Fire tablets, Fire TV, Amazon Echo, Alexa, Just Walk Out technology, Amazon Studios, and The Climate Pledge are some of the things pioneered by Amazon. For more information, visit amazon.com/about and follow @AmazonNews.

Forward Looking Statements

Except for the historical and factual information contained herein, the matters set forth in this press release, including statements related to the benefits of the parties' collaboration, the parties' business outlook and potential future operations or transactions, and that may be identified by words such as "will," "believes," "expects," "plans" and similar expressions, are forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including the risks that the parties' anticipated benefits from their agreement and continued collaboration may take longer to be realized or be less substantial than currently anticipated, that the benefits of AI, ML and other emerging technologies may take longer to be realized or be less substantial than currently anticipated, or that certain of the parties' plans for future changes may be more difficult or time consuming to implement than currently expected. Many of these risks, uncertainties and assumptions are beyond

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