EDGE AI VS. CLOUD AI:

How to run AI workloads where you need them most

Businesses are increasingly turning to AI-driven solutions to help lower prices, boost production, and improve the quality of their products or services.

However, as more businesses adopt these new strategies, the pressure to innovate is intensifying. Outpacing the competition now requires that your organization engage in smarter, faster decision making. And that means finding more efficient ways to process, analyze and use data.

The connected, data-driven businesses using AI to automate and accelerate operations will win the race. Now is the time to embrace the power of next-gen technologies that run AI workloads at the edge.

Beyond the cloud: Why the future of AI is at the edge

There's a growing need for businesses to run AI workloads at the edge, as the ability to collect and analyze data in real time becomes critical to improving operational efficiency and decision making.

But traditional cloud-based solutions, once the gold standard for data processing and AI workloads, are falling short in environments where every millisecond matters. Here's why:

- Due to latency, security and cost constraints, technologies like computer vision, which are crucial for offline and real-time inference, and machine learning models such as predictive analytics, aren't suited to cloud environments.
- Managing extensive networks of edge devices through the cloud presents significant challenges, particularly around security and scalability.

How can you overcome these barriers and unlock the full potential of AI at the edge?

Transform data into actionable insights with DXC Technology and Dell Technologies

DXC and Dell's IoT and AI Edge solutions enable you to run AI workloads exactly where you need them: at the edge of your networks, where data is generated. These solutions provide an integrated, flexible, robust and scalable platform for collecting and analyzing data in real time.

- Deliver actionable insights immediately
- Support offline operations
- Enhance data security
- Reduce costs associated with cloud services

These powerful edge solutions can be integrated seamlessly with an existing public cloud or on-premises data center, or an AI system. Or, they can act as standalone AI platforms, giving you complete control.

The edge solutions support key AI workloads like machine connectivity for data capture and feedback control, computer vision, and machine learning inference. The solutions can be easily deployed, managed, secured and scaled across your organization's global or regional operations.

The cost-effective solution for speed, security and scalability

By combining their expertise in AI and edge computing, DXC and Dell have created a secure, cost-effective solution for managing edge devices in industrial and retail sectors. Together, we simplify implementation to reduce the cost, time and expertise required, and to deliver benefits like these:

- Real-time decision making
- Offline capability
- Reduced latency
- Data privacy and security
- Cost efficiency
- Better control over infrastructure

By drawing upon its broad global capabilities, DXC has delivered a comprehensive solution for edge AI workloads to many referenceable clients.

Built on Dell's robust hardware and NativeEdge platform, leveraging NVIDIA's AI Solution Portfolio, the systems enable high performance and scalability.

DXC and Dell: A future-proof partnership

Dell Technologies provides the platform infrastructure that supports DXC's IoT and AI Edge solutions. With more than 20 years of partnership, DXC Technology and Dell Technologies derisk AI projects by combining cutting-edge tech with deep industry expertise.

As a Titanium Black Partner with a long history of co-investment and co-development, DXC has early access to Dell's technology roadmap. This allows DXC to continuously evolve solutions so they remain at the forefront of AI and data management.

Together, we help customers drive growth by dramatically improving their ability to anticipate and respond to change. We work with your team to develop powerful transformational strategies, apply industry-recognized innovations and manage foundational technologies.

Use case example: Quality management

Leveraging computer vision can allow machines to interpret visual data locally. This provides immediate insights and enables rapid action upon detecting anomalies, without requiring continuous internet connectivity.

20+
years of strategic partnership

2,000+
joint customers

150
countries

Meet the team

Holland Barry
Global Field CTO, DXC Technology
holland.barry@dxc.com

Andrew Haigh
Cloud and Infrastructure Offering Lead, DXC Technology
ahaigh2@dxc.com

Russell Duggan-Rees
Global Edge AI Lead, DXC Technology
rdugganrees@dxc.com

Patrik Strebel
Global Dell Alliance Lead, DXC Technology
patrik.strebel3@dxc.com

Mike Ezratty
Global Client Executive to DXC, Dell Technologies
mike.ezratty@dell.com

Anthony Birrell
Regional Alliance Lead, Asia Pacific and Japan, Dell Technologies
anthony.birrell@dell.com

Chris Counsell
Regional Alliance Lead, EMEA, Dell Technologies
chris.counsell@dell.com

Susan Destasio
Regional Alliance Lead, Americas, Dell Technologies
susan.destasio@dell.com

Marshal Manoj
DXC Alliance CTO, Dell Technologies
marshal.manoj@dell.com

DXC Technology (NYSE: DXC) is a leading enterprise technology and innovation partner delivering software, services, and solutions to global enterprises and public sector organizations — helping them harness AI to drive outcomes at a time of exponential change with speed. With deep expertise in Managed Infrastructure Services, Application Modernization, and Industry-Specific Software Solutions, DXC modernizes, secures, and operates some of the world's most complex technology estates. Learn more on **dxc.com**.

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