HPE GreenLake

Accelerate results at the edge

Activate real-time insights

Get started >

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Edge computing: the new reality

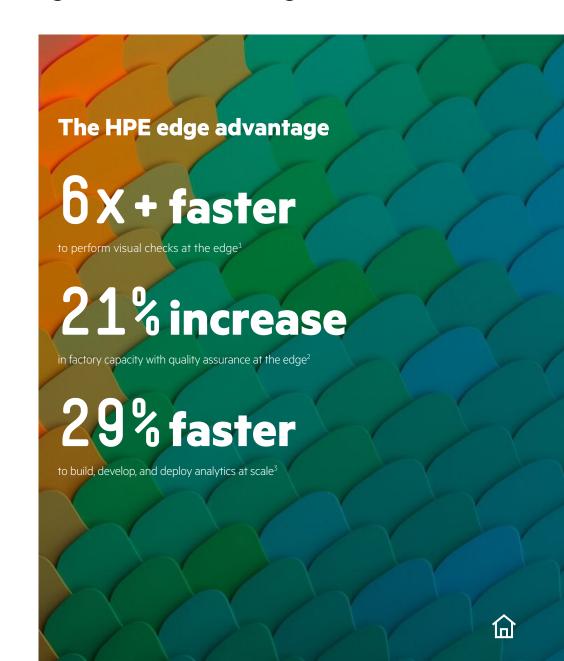## Accelerate insights, results, and value by acting on data at the edge

The edge is bursting with data. With the right capabilities, you can harness edge data to make shopping easier, employees more productive, and your organization more successful. But to unlock the value of edge data, you need to act on data when it matters most. And that means acting on data where it's created—at the edge.

Putting computing capabilities alongside the data as it is created—also known as edge computing—improves application performance, enhances user experiences with real-time capabilities, and enables analytics, artificial intelligence (AI), and machine learning (ML) to quickly identify anomalies and take appropriate action.

In a data-first organization, data from the edge accelerates insights, results, and value. Data is free to fuel analytics and applications—and ultimately, your ability to act. From smart manufacturing to smart buildings, immersive classrooms, responsive retail operations, and critical-care clinics, edge computing is today's new normal.

Here's how to get started.

The HPE edge advantage

6x+ faster

to perform visual checks at the edge[1]

21% increase

in factory capacity with quality assurance at the edge[2]

29% faster

to build, develop, and deploy analytics at scale[3]

[1,2] "The Doppler Report, Volume 2" HPE, June 2021

[3] "NVIDIA® RAPIDS Accelerator for Apache Spark and HPE Ezmeral Runtime," HPE technical white paper, October 2021.
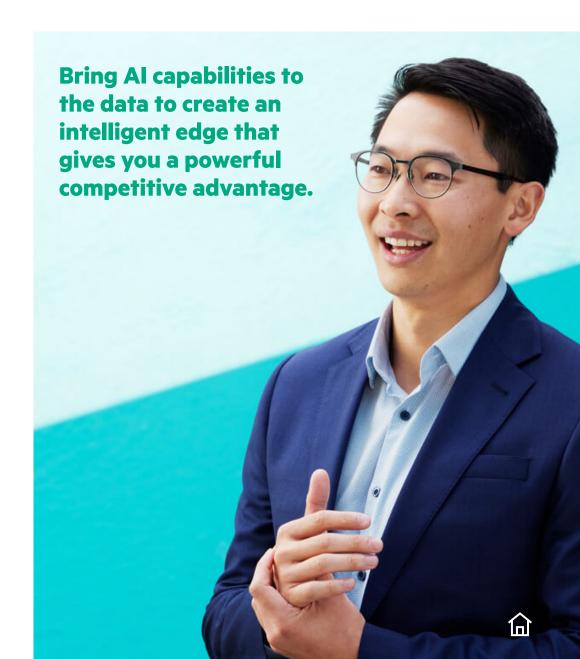
Take action in shrinking decision windows

Supercharge apps and data everywhere

The power of AI and ML models to deliver intelligent insights can help your organization become more data driven to attract, retain, and grow your customer base and accelerate innovation. With real-time insights needed everywhere—from the factory floor to the patient's bedside to the roadways and beyond—AI at the edge is no longer just a nice to have. In many cases, it's absolutely essential.

But in a real-time world, moving massive amounts of data from the edge to the data center or cloud and back again can result in bandwidth, latency, and connectivity issues that push data-driven insights and actions outside your window of opportunity. At the same time, as your data estate expands, so does your attack surface and the need for additional security measures.

Hewlett Packard Enterprise can help you supercharge your apps and data everywhere, by bringing powerful compute to your data at the edge to avoid latency and connectivity issues with self-contained analytics systems that enable you to act within your decision window, even in real time. Edge computing also reduces the security risks of transmitting data to the cloud or core and back, and HPE also helps you protect data with intrinsic security through a proven, zero trust approach that flows from silicon to software, with data center security capabilities that continue all the way out to the edge.

Bring AI capabilities to the data to create an intelligent edge that gives you a powerful competitive advantage.

Manage mainstream data along with new edge data sources

Analyze data where it's created

While data is proliferating at the edge, most organizations still have large amounts of valuable data in the data center, colocation, and cloud. Managing data across a sprawling hybrid estate is incredibly challenging. Data silos, varying user access, disconnected data teams, and multiple APIs used by each data type and platform, mean that a new approach is needed to unify data in preparation for analysis.

Solving these problems requires shifting from traditional data and analytics solutions to modern environments without adding more complexity or impacting security or compliance. To realize your data-first strategies, you need a secure, simple, and unified data platform experience that works across environments without requiring you to move all your data into a single location—one that uses automation to accelerate processes and speed time to deployment. And it should deliver a cloud-native experience across environments without requiring proprietary platforms or the complexity of wide-open systems.

HPE empowers organizations teams to use their preferred tools of choice for analytics and data modeling. We can simplify your data management with a platform that unifies different data types and formats into a logical data backbone that accelerates insights from analytics. Once the data has been analyzed, the platform enables transparent replication to centralized locations where data from multiple branches or stores are combined to facilitate deeper exploration or to train AI models.
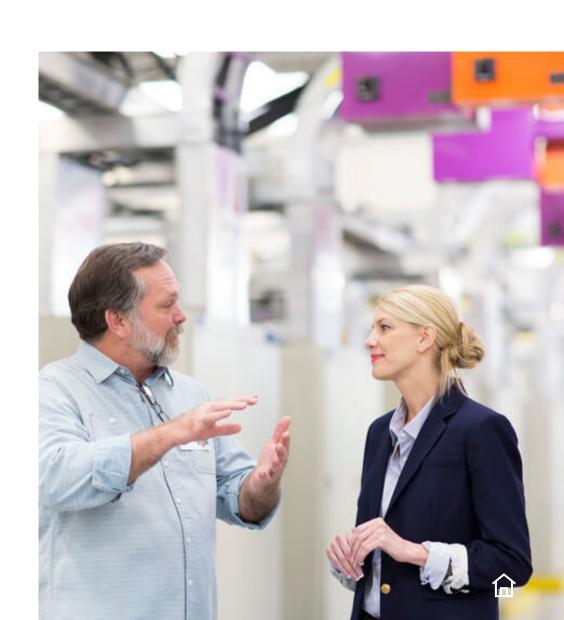
Deliver reliable and consistent data for your analytics processes where data is gathered, at the edge.

Start accelerating results at the edge

Connect your edge to enable teams to use data when, where, and how they need to

Being a data-first organization requires the ability to harness the value of all data, no matter where it lives, to open opportunities and gain a competitive advantage. Data can be a differentiator only if you can unlock the value of all your edge data to make intelligent decisions faster than the competition. HPE can help you:

Take faster action in shrinking decision windows by supercharging apps and data everywhere.

Manage mainstream data along with new sources of data at the edge with the ability to analyze data where it's created.

Partner with HPE to activate real-time insights

HPE can help you get faster responses from applications and manage mainstream data along with new sources of data at the edge, so you can supercharge apps and data everywhere and analyze data where it's created. Learn how HPE helps you connect your edge to activate real-time insights that accelerate results and value.

Learn more at

Analyze data where it's created with HPE Ezmeral unified analytics

greenlake.hpe.com

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