HPE
GreenLake

How to securely connect and analyze your edge data

Gain the ability to act on data wherever it lives

Get started >

Table of contents

Extend digital transformation to the edge

Taking advantage of edge computing is a business imperative

Your organization runs on data—and lots of it. Today, huge volumes of data are generated from computers, applications, and Internet of Things (IoT) devices located at the edge. To effectively harness this data, digital transformation needs to focus on reducing the latency, cost, and other inefficiencies of processing edge data.

Edge computing, including a network that operates from edge to cloud, lets you effectively glean insights from your data in real time to deliver successful business outcomes. With a modern network integrated into edge infrastructure, you can gather, process, and analyze data where it is created, while delivering information wherever it's needed—without wasting time and money moving massive amounts of data to and from data centers and hybrid clouds. This in turn helps you dramatically increase the flexibility, resiliency, and consistency of your data while reducing latency and costs.

All of this enables you to securely share data between employees, customers, and partners, integrating data-driven insights throughout your organization swiftly.

Here's how to get started.

> **"Above all, the edge is about data. Eighty percent of all data will be processed at the source—primarily at the edge—by 2025. That makes understanding and analyzing all this data key to differentiating your business and succeeding. Those who can act on their data the fastest will be the winners."**
>
> –Antonio Neri, President and CEO, Hewlett Packard Enterprise

How to enable complete data access

Move to a top-down, business-driven networking model

Many of today's network access choices were not designed for the edge-to-cloud era. Stretching legacy, static, and router-centric WANs are cumbersome and complex. Some basic software-defined (SD)-WAN solutions are a step in the right direction, but they fall short of the fully automated, business-driven networks required today.

To enable access and insights wherever your data lives, you need a new networking model—one with a top-down approach, where the network conforms to the business instead of the business conforming to the network. This business-first networking model helps ensure application performance, security, and routing are dictated by top-down business policies, not bottom-up technology constraints.

The business-driven Aruba EdgeConnect Enterprise SD-WAN platform enables you to build a unified WAN edge that continuously adapts to changing business needs and network conditions to deliver the highest quality experience to users. With a business-driven networking model, IT can centrally orchestrate service and security policies based on business intent and automatically push those configurations to many locations across the network. The network then automatically and continuously connects users directly to applications for optimum performance. With this model, the priorities of your business are reflected in the way the network delivers applications to users—no matter where your data is located.

A network built for today's edge-to-cloud enterprise delivers the highest quality experience to users and IT, no matter where applications reside.
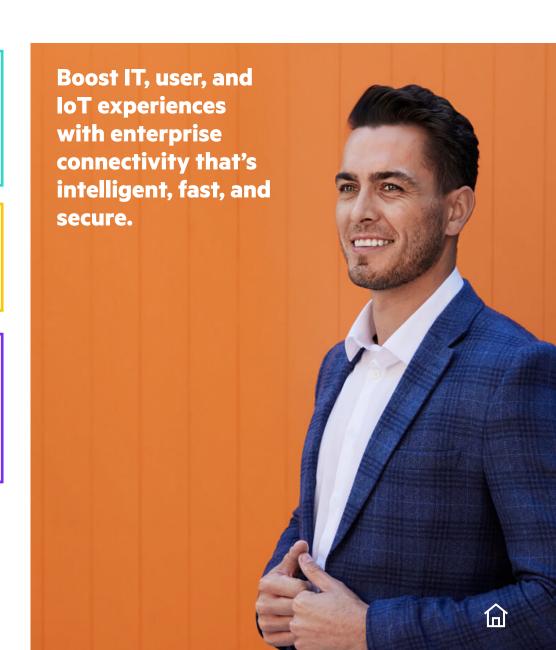
How to modernize networks for significantly better results

Enable your intelligent edge

The shift to cloud-based services such as video, voice, and IoT generates huge amounts of data that stretch already scarce network resources at the edge. As your organization becomes hyper-connected and users demand real-time insights, IT needs to deliver digital transformation without interruption. This requires a network that is agile enough to respond to both current and future needs.

To meet this need, many organizations are deploying next-generation wireless access points (APs) to dramatically increase capacity. These high-performance APs boost IT, user, and IoT experiences with enterprise connectivity that's intelligent, fast, and secure.

HPE provides high-performance wireless solutions that connect people and things from edge to cloud with ultra-low latency and intelligent optimization. AI-powered troubleshooting and optimization enable wireless solutions that simplify network operations while keeping everything secure. Aruba's wireless APs can improve your network capacity by optimizing both indoor and outdoor wireless coverage, enabling your edge, converging IoT infrastructure, and providing safer Wi-Fi access.

Boost IT, user, and IoT experiences with enterprise connectivity that's intelligent, fast, and secure.

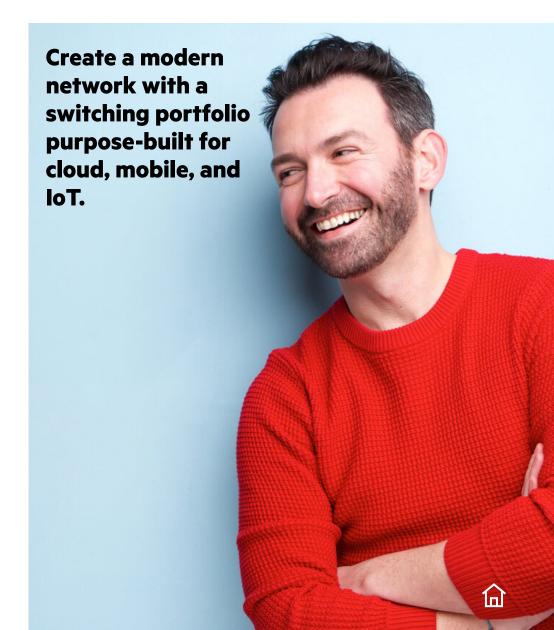# How to simplify connecting from edge to cloud

Deploy and manage modern networks with AI-powered automation and built-in security

Disparate networking operating systems, oversubscribed hardware, and complex software licensing are creating connectivity challenges at the edge. High network traffic volumes and mission-critical network access put growing pressure on IT teams to diagnose and resolve issues instantly—or even predict issues before they impact operations. At the same time, an increasing number of IoT devices connecting to the network is raising new security concerns.

Overcoming these networking challenges is a critical element of digital transformation at the edge. Your network must connect new devices and users quickly and safely. It must also scale to handle the massive data generated at the network edge while providing always-on performance that satisfies users and helps accelerate the business. Finally, it needs to reduce complexity with smart and automated insights that help IT more efficiently operate, manage, and secure the network. But existing network analytic tools, typically performed by external devices running separately purchased software, provide fragmented data with limited actionable insights.

In support of high-performance wireless APs, the Aruba CX switching portfolio lets you connect from edge to cloud with simplicity. These switches remove the complexities of deploying and managing modern networks with AI-powered automation and built-in security. Aruba CX switches scale from the edge to the cloud, creating a solid foundation for your new and future business needs.

HPE further enables you to bring the wireless, wired, and WAN elements of your network together with Aruba Central, providing a single point of visibility and control to oversee every aspect of wired and wireless LANs, WANs, and VPNs across campus, branch, remote, and data center locations. This powerful, cloud-managed networking solution provides unmatched simplicity for your IT operations.

Create a modern network with a switching portfolio purpose-built for cloud, mobile, and IoT.
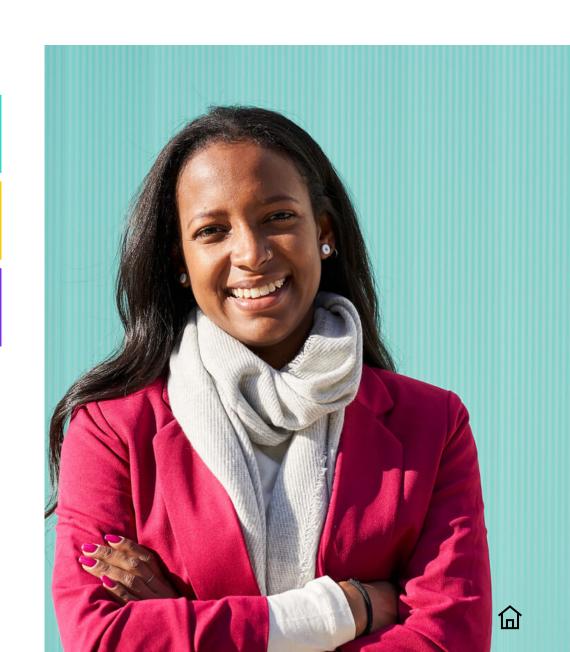
Start acting on data wherever it lives

Securely connect and analyze your data at the edge

As data at the edge continues to explode, organizations that can act on data the fastest will be the winners. HPE can help you:

Enable complete data access by moving to a top-down, business-driven networking model.

Modernize networks for significantly better results by enabling your intelligent edge, converging IoT infrastructure, and providing more secure Wi-Fi access.

Simplify connecting from edge to cloud by deploying and managing modern networks with AI-powered automation and built-in security.

Partner with HPE to connect your edge

To act on data quickly, you must have rapid access to it. You must also significantly improve your capacity for gathering it and delivering it to the right user, device, or application at the right time. And lastly, you must be able to connect simply from the edge to the cloud. HPE gives you the solutions you need to rapidly act on your data—wherever it lives.

Learn more at

greenlake.hpe.com/edge

**Make the right purchase decision.
Contact our presales specialists.**

💬 **Chat now (sales)**

📞 **Call now**

🖥 **Get updates**

Visit HPE GreenLake ▭

🏠

**Hewlett Packard
Enterprise**