

## AT A GLANCE

# HPE ARUBA NETWORKING EDGECONNECT SD-WAN FABRIC

Securely connect users and IoT from edge to cloud with a single SD-WAN fabric. Provide any-to-any SASE connectivity across locations of any size, data centers, hybrid clouds, and SaaS.

**As enterprises embark on digital transformation initiatives and adapt to hybrid work environments, it is critical that they adopt a modern network architecture. Only then can they seamlessly and securely connect company locations of any size, including hybrid workers, to core business applications, data, and services wherever they reside—in data centers, public clouds, or SaaS—with consistent security and network performance.**

To deliver the highest quality of experience for customers, employees, and IT teams alike, enterprises must transform their WAN and security architectures with a unified SD-WAN fabric — a fabric that enables IT to architect a secure access service edge (SASE) that easily and securely connects users and IoT at edge locations anywhere with applications and data.

Centralized management is essential in providing IT teams with the visibility and control to deliver greater IT efficiency, reduce costs, and deliver consistency by removing manually intensive tasks with the flexibility and agility to meet rapidly changing business objectives today, and in the future.

Deploying a unified SD-WAN fabric simplifies management and operations by fusing WAN access and overlay routing across locations and enables enforcement of consistent edge-to-cloud, business-driven security policies required both on-premises and integrated with SSE (Security Service Edge) solutions from HPE Aruba Networking or third-party cloud delivered security solutions.

## EDGECONNECT SD-WAN PORTFOLIO

For organizations undergoing WAN transformation, HPE Aruba Networking provides a comprehensive SD-WAN portfolio that enables them to architect a Secure Access Service Edge (SASE). This portfolio includes comprehensive enterprise, branch, small office, and remote worker solutions.

Three purpose-built EdgeConnect WAN access solutions provide flexibility to address a wide range of corporate network requirements locally, regionally, and globally, with consistent network and security policy.

With HPE Aruba Networking, organizations can optimize on cost and feature functionality by deploying a mixture of right-sized solutions to address the broadest set of networking use cases. Key to delivering IT efficiency and consistent QoS and security policy enforcement from edge to cloud is HPE Aruba Networking Central, a unified management plane that simplifies the deployment, configuration, management, and day-to-day operations for IT administrators.

## CENTRALIZED MANAGEMENT AND OPERATIONS

HPE Aruba Networking Central, part of HPE Aruba Networking ESP (Edge Services Platform), greatly simplifies overall network operations for IT organizations of all sizes. The HPE Aruba Networking Central dashboard and associated WAN orchestration services dramatically reduce deployment, configuration, management, and operational complexity of defining and managing overlay mesh networks between sites and cloud and SaaS. New sites, including hybrid work locations and cloud/SaaS destinations, can be brought online and attached to the fabric quickly and easily. Management of the overlay network is fully orchestrated to accommodate changes at locations and connectivity to cloud and SaaS destination front doors. Over time, the overlay network automatically adjusts to changing network conditions — delivering the highest level of application SLAs across the WAN without manual intervention by IT administrators.

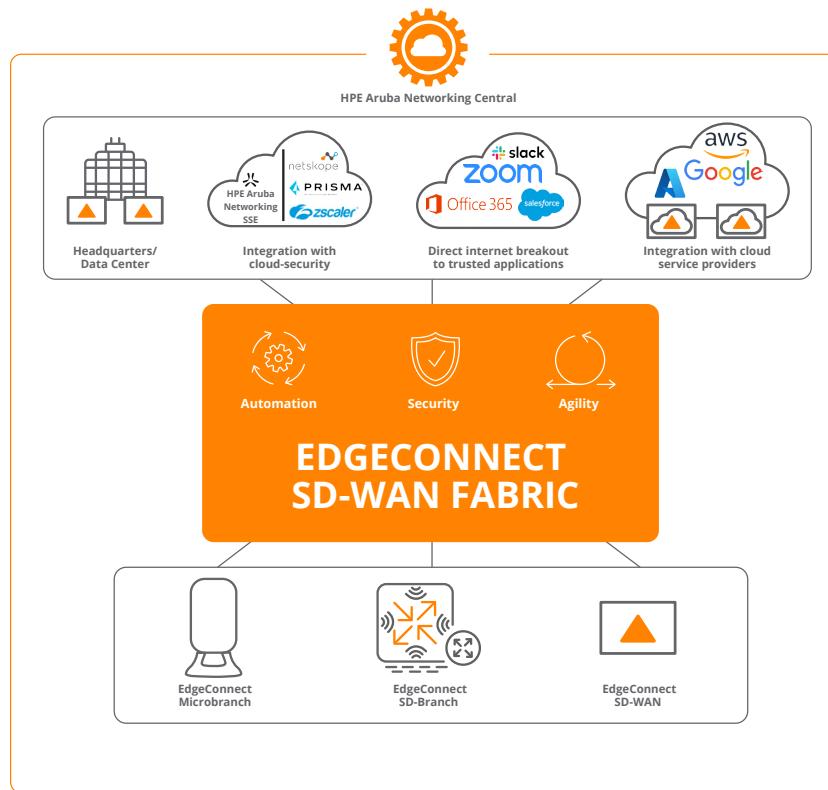


Figure 1. EdgeConnect SD-WAN Fabric

## SECURE EDGE ONRAMPS

[The EdgeConnect SD-WAN Portfolio](#) provides a comprehensive portfolio of access deployment options to connect enterprise organizations from edge to cloud to a single SD-WAN fabric for any-to-any mesh connectivity across locations, data centers, cloud, and SaaS. The solution includes three types of right-sized deployment models, or “onramps,” to the SD-WAN fabric — delivering seamless, secure, high-performance network connectivity HQ, data center, campus, branch, small office, and work-from-home, to reach applications, data, and services anywhere.

### EdgeConnect SD-WAN

Architect an advanced SD-WAN edge that continuously learns and adapts to changing business needs and delivers maximum network and application performance from the edge to the cloud.

### EdgeConnect SD-Branch

Consolidate branch networking components for maximum integration across WLAN, LAN, and SD-WAN with integrated security and onboard LTE support with centralized cloud management.

### EdgeConnect Microbranch

Ideally suited for small office or work-from-home sites (“branch of one”), this minimal footprint option using a range of remote access points (RAPs) from HPE Aruba Networking enables secure WAN connectivity to the corporate enterprise network and automated integrations with cloud-delivered security services.



## INTELLIGENT SD-WAN FABRIC

EdgeConnect SD-WAN Fabric delivers the highest quality experience and performance by continuously adapting to network changes and providing always-on security to address demanding WANs. Automation, machine learning, and AI reduce the burden on IT by removing the complex and manually intensive tasks required to deploy, configure, and maintain large, distributed networks in the following ways:

- **Continuous adaptation and automation:** Seamless connectivity, and continuous application and network performance monitoring, scale and adapt to changing network conditions — including new locations and cloud PoPs.
- **Always-on Zero Trust and SASE security:** Network security segmentation, encrypted tunnels, and edge-to-cloud security from local firewall and IDS/IPS to cloud-delivered security reduce business risk and assist in meeting compliance mandates. Layers of security offer flexibility to deploy security services, as required both on-premises and integrated with leading cloud security solutions.
- **Agility and flexibility:** Zero Touch Provisioning and streamlined configurations for cloud IaaS and SaaS make it easy to adjust to rapidly changing business requirements today and in the future.

## UNIFIED SASE

The EdgeConnect SD-WAN portfolio is seamlessly integrated with HPE Aruba Networking SSE to form a unified SASE solution, for a faster adoption and a simplified management. HPE Aruba Networking SSE provides advanced capabilities such as ZTNA (Zero Trust Network Access), SWG (Secure Web Gateway), CASB (Cloud Access Security Broker), and DEM (Digital Experience Monitoring) to meet the security challenges of hybrid working and cloud computing.

For organizations preferring to adopt SASE with their choice of security services or to seamlessly integrate with an existing security ecosystem, EdgeConnect SD-WAN Fabric also automates the integration with third party cloud security partner solutions from Zscaler, Netskope, Palo Alto Networks, and others.

## REACH APPS AND DATA EVERYWHERE

The EdgeConnect SD-WAN Fabric easily extends to the data center, IaaS, SaaS, and private clouds.

Headquarters and/or physical data center locations often act as hubs for unifying WAN connectivity. Automated integrations simplify multi-cloud IaaS connectivity for AWS, Microsoft Azure, Google, Equinix, and Megaport with HPE Aruba Networking appliances or virtual gateways deployed inside a public cloud VPC environment. Connectivity to local and regional cloud hub deployments — such as AWS Transit Gateway, Cloud WAN, and Microsoft Azure VNET — is also supported.

## SUMMARY

The secure SD-WAN portfolio from HPE Aruba Networking provides IT teams with complete visibility and tools to efficiently deploy, manage, and operate a modern network comprised of a single SD-WAN Fabric for any-to-any mesh connectivity across locations of all sizes, data centers, public clouds, and SaaS. The result is an amazing experience for employees, customers, partners, guests, and IT teams alike.

Learn more at: [EdgeConnect SD-WAN](#)

