Enterprise Application Access

Secure, simple, and fast Zero Trust Network Access

Fast and secure access to the right application for the right user at the right time has become difficult and complex because of the widely distributed nature of users and applications. The definition of a user has evolved to mean much more than an employee — a user can be a supplier, partner, customer, contractor, developer, or a colleague from a newly acquired company. The definition of application is also wider now and can include multiple types (legacy, web, or software as a service) and locations (data center, internet, or cloud).

Application access based on Zero Trust

Legacy network security tools, built for the outdated notion of a secure perimeter, have not kept pace with today's need for secure application access. These traditional technologies, such as virtual private networks, leave organizations vulnerable to attack by malicious actors who move laterally inside the network. The ideal solution to this problem is one that grants user access only to specific applications and not to entire networks or network segments, as VPN tunnels do.

Providing secure access to applications and resources is a key step for any organization that is moving to a Zero Trust architecture. Akamai Enterprise Application Access is a complete Zero Trust Network Access (ZTNA) solution based on the Zero Trust principle of "Never trust, always verify" and provides dynamic application access based on identity, context, and device posture. It eliminates implicit trust and enforces strict identity verification and least-privilege access policies for every user identity, device, or application, regardless of where they are located, and supports all cloud environments. Enterprise Application Access reduces an enterprise's attack surface, prevents lateral movement, and simplifies administrator experiences through centralized policy management.

Benefits for your business

Reduce the risk of network compromise from employees, contractors, and partners — regardless of their location or device — by offering secure application access based on identity and context that completely eliminates network level access

Enable better-informed access decisions based on Zero Trust by enhancing visibility and gaining a more granular understanding of users via security signals, such as device posture, threat intelligence, and endpoint compromise

Reduce the operational cost and risk of maintaining and patching VPNs and other appliance-based solutions for secure application access

Deliver fast and responsive applications that provide an enhanced end user experience by leveraging the world's most distributed cloud security platform

Leverage the power of multiple clouds by enabling secure access to applications across AWS, Azure, and Google Cloud and other IaaS platforms — using a single secure portal for access.

How Enterprise Application Access works

Akamai Enterprise Application Access is a complete ZTNA service delivered from Akamai Connected Cloud. It's a flexible and scalable ZTNA service with granular and adaptive decision-making access based on user identity and real-time signals such as threat intelligence and device posture. Enterprise Application Access integrates data path protection, identity and access management, application security, multi-factor authentication, single sign-on, and management visibility and control into a unified service across all application locations and types (on-premises, infrastructure as a service [IaaS], or hybrid). It supports clientless and client-required applications with one-click integrations for Active Directory and SAML-based identity providers. Enterprise Application Access automatically inserts performance optimization directly into the application path to ensure all applications are fast and responsive.
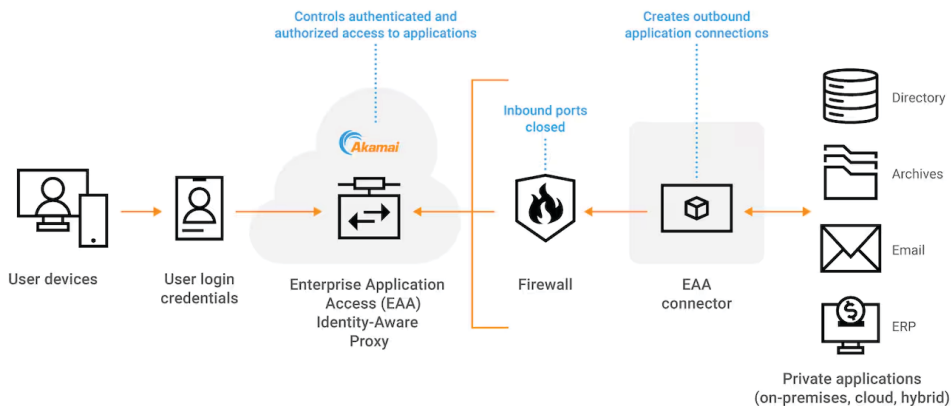
Key capabilities

- ZTNA as a service

- Application access based on identity and context irrespective of where users are located or the device they are using

- Device posture for adaptive access based on risk

- Control application access irrespective of where applications are hosted — cloud, on-premises, hybrid

- Integration with your existing IdP infrastructure or Akamai cloud IdP

- Secure clientless application access for contractors and other third-party and BYOD situations

- Edge transport for superior application performance

- Local POP for optimal in-office application access with universal ZTNA enforcement

- Integration with Akamai MFA for strong user authentication

- Integration with Akamai Secure Internet Access to protect users and devices against malicious content

- Enhanced application security directly from Akamai Connected Cloud

Why Akamai for ZTNA

Users demand fast and responsive business applications. Slow performance leads to frustration and spikes in IT support calls. Enterprise Application Access, built on Akamai Connected Cloud — the world's most distributed platform for cloud computing, security, and content delivery — supports top-tier performance. With points of presence that are strategically close to both users and applications, performance is seamlessly integrated into the application path, ensuring speed and efficiency.

Akamai Connected Cloud offers a 100% availability SLA, delivering unmatched reliability for enterprise application access needs.

Explore Enterprise Application Access and sign up for a free trial at akamai.com/eaa