VPN REPLACEMENT FOR DATA CENTER AND HYBRID CLOUD ENVIRONMENTS

Reinventing Enterprise Secure Remote Access

Enterprises are providing remote access to their internal corporate applications in much the same way they did 20 years ago. In today's world, dominated by enterprise digital ecosystems, cloud applications, and mobile users, IT needs agility to rapidly respond to organizational and user requirements as well as provide secure remote application access to employees, customers, and partners. Old-school VPNs, proxies, and remote desktop technologies just don't cut it anymore.

The Enterprise Application Access Solution

Akamai brings a radical new remote access approach for enterprise applications hosted in data centers and hybrid cloud environments that is more simple, secure, and convenient than traditional solutions. Enterprise Application Access (EAA) is the industry's only perimeter service that locks down all inbound firewall ports while providing end users access to only their specific applications without VPNs. In contrast, VPNs provide overly broad network-wide access, giving users entry to applications and compute infrastructure beyond a typical user's day-to-day requirements. EAA separates an organization's infrastructure from the Internet, minimizes the application attack surface, and hides applications from public Internet exposure. It also integrates data path protection, identity access, application security, and management visibility and control into a single solution. EAA can be deployed as an application's first line of defense in minutes, at a fraction of the cost of build-it-yourself solutions. The result is a secure access delivery model that enables a zero CapEx, low OpEx model for critical workloads deployed in any environment that is:

Simple

- Collapse a whole rack of equipment into a cloud service
- Stand up new applications and provision users in minutes
- Easily add MFA to any app with the click of a button
- No device or client software
- Easy to deploy, provision, change, and monitor

Secure

- Keep all users off of your network
- Lock down your firewall or security group to all inbound traffic
- Make your applications invisible to the Internet
- Minimize the network attack surface
- Zero open ports on your edge firewall

Convenient

- Users access applications from any device on any browser without any additional software — including VPNs and browser plugins
- Use a service that consolidates ADCs, Wan Optimization, VPN, and Multi-Factor Authentication
- No hardware or network changes required – i.e., firewall rules, IP address white listing, etc.
- Complete auditing and reporting of user activity
- Available as built-in reports or can be integrated with your existing tools

No CapEx, Lower OpEx, Lower Integration

- Enable secure access, stand up new apps and users in minutes, and save hundreds of man hours per app
- One-time deployment works for any number of apps — eliminate projects for additional apps
- Deploy service at a fraction of the cost of competitive, appliance-based solutions

Akamai Transforms Remote Access, Putting you Back in Control

Approaching the problem in a fundamentally different way, Enterprise Application Access is a SaaS service that delivers remote access to enterprise applications without providing user access to your entire network. With EAA, you get a centralized, managed solution that does not require external hardware or software. Managing and controlling third-party — as well as customer and employee — access becomes simple and uncluttered, and with the elimination of complexity comes fundamentally better security.

EAA removes the chronic pain IT teams often suffer in connection with managing internal and third-party access. It is easy to deploy, provision, change, and monitor. EAA removes all the complexity: no device software, no software upgrades or updates, and no additional hardware. As a central point of entry and control, EAA provides a single management pane for detailed audit, visibility, control, and compliance reporting. The result is a new, fundamentally better, and more secure approach to remote access.

Virtual private networks (VPNs) used to be the standard solution for providing network access control. However, some VPNs impose complicated login procedures upon users and/or utilize special software, limiting when and how people join the network. In addition, many VPNs neither help IT departments identify who gains access (and from where), nor identify the devices in use.

—2015 Cisco Annual Security Report

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Enterprise IT architectures have evolved dramatically. Enterprise Application Access has built a solution that delivers a match to the cloud DMZ model today.

— Pete Lindstrom, IDC Analyst

Akamai *FASTER FORWARD*

As the global leader in Content Delivery Network (CDN) services, Akamai makes the Internet fast, reliable, and secure for its customers. The company's advanced web performance, mobile performance, cloud security, and media delivery solutions are revolutionizing how businesses optimize consumer, enterprise, and entertainment experiences for any device, anywhere. To learn how Akamai solutions and its team of Internet experts are helping businesses move faster forward, please visit www.akamai.com or blogs.akamai.com, and follow @Akamai on Twitter.

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