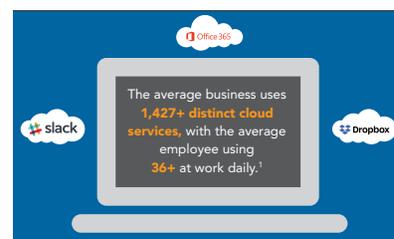


Enabling Secure User Access to Enterprise Applications



Technology has evolved from rudimentary packet-switched networks to a complex and dizzying array of autonomous solutions acting in concert to deliver data globally and expediently. Today's highly diversified workforce is accessing enterprise applications that are increasingly distributed (i.e., on-premise, IaaS, and SaaS). And the popularity of cloud applications is only climbing. The average business uses more than 1,427 distinct cloud services, with the average employee actively using more than 36 at work daily.¹



Traditional hub-and-spoke network architectures, and the castle-and-moat security frameworks they utilize, aren't amenable for today's burgeoning cloud-and-mobile world. Most businesses are no longer operating behind a centralized, traditional network perimeter, making a unilateral "trust but verify" approach to enterprise access risky. Every user and device must be authenticated every time, before access to an application is granted.



This is especially important given the realities of the modern threat landscape. Cybercrime is a trillion-dollar business, with a single data breach now costing an average of \$3.86 million.² Perhaps more startling is the fact that more than 40% of breaches are linked to authorized users.³ Additionally, the typical enterprise utilizes 500+ applications, many of which put data at risk: 85% of data comes from file-sharing applications, and 81% of data is downloaded via an application that doesn't include encryption for data at rest.⁴ Clearly, application security and access qualification and limitation are imperatives that executives and IT security practitioners can't ignore.

The majority of leaders now understand these risks and are taking steps to shore up their organization. Gartner forecasts worldwide security spending will reach \$96 billion in 2018, up 8% from 2017.⁵ But while IT spend continues to grow, up 4.3% from 2017 and projected to reach \$3.7 trillion in 2018, it's not enough to simply add security solutions to the enterprise stack.⁶ A secure access model that meets the requirements of today's environment and workforce is needed.



How can IT bolster their enterprise's security posture without introducing layers of additional complexity? Akamai's Enterprise Application Access is a proven solution, designed to enable IT to:

1. Drastically Improve Security



Keep all users off of your network with application-level access versus broad network-level access. Lock down your firewall or security group to all inbound traffic and make your application IP addresses invisible to the Internet. Easily add multi-factor authentication (MFA) to any application with the click of a button.

Enabling Secure User Access to Enterprise Applications



2. Consolidate and Streamline Access Technologies



Provide seamless single sign-on for users across all enterprise applications, whether they're on-premise, IaaS, or SaaS. Collapse your application delivery controllers (ADCs), WAN optimization technologies, VPNs, and multi-factor authentication into a single tool that doesn't require internal hardware or network changes (such as firewall rules, IP address whitelisting, etc.) to set up. Additionally, enable your users to access applications from any device without additional software, including VPNs and browser plugins.

3. Stop Configuring Devices

Discontinue management of client-side configuration with a tool that requires no software updates or upgrades, and no hardware to provision access.



4. Simplify Reporting

Get a single management portal for detailed audit, visibility, control, and compliance reporting — available as built-in reports or integrated with your existing SIEM tools.



5. Maximize Time



Set up new users and applications in minutes, not days. Through a web-based portal, you can bridge multiple IdPs, integrating your existing solutions or a native option. This enables you to set up users with the click of a button, rather than having to work across multiple hardware/software devices to provide access.

6. Advance End-User Satisfaction



Eliminate multiple passwords and provide application access through a single web portal. Users will experience seamless sign-on to all applications to which they have access, on any device, and from anywhere in the world. Reduce latency for higher application adoption and fewer IT help desk ticket requests. Your users will no longer experience delays as a result of waiting for specifically equipped hardware to be sent to them from IT.

The result is a more secure method of application access that simplifies IT management and the end-user experience.

To learn more about Enterprise Application Access and to start a free trial, visit akamai.com/eea.

SOURCES

- 1) <https://www.skyhighnetworks.com/cloud-security-blog/12-must-know-statistics-on-cloud-usage-in-the-enterprise/>
- 2) Ponemon Institute, 2018 Cost of Data Breach Study: Global Overview: <https://www.ibm.com/security/data-breach>
- 3) <https://www.akamai.com/us/en/multimedia/documents/report/remote-access-security-challenges-and-opportunities.pdf>
- 4) <https://blog.trendmicro.com/how-your-enterprise-applications-could-be-putting-your-company-at-risk/>
- 5) <https://www.gartner.com/newsroom/id/3836563>
- 6) <https://www.gartner.com/newsroom/id/3811363>



As the world's largest and most trusted cloud delivery platform, Akamai makes it easier for its customers to provide the best and most secure digital experiences on any device, anytime, anywhere. Akamai's massively distributed platform is unparalleled in scale, giving customers superior performance and threat protection. Akamai's portfolio of web and mobile performance, cloud security, enterprise access, and video delivery solutions are supported by exceptional customer service and 24/7/365 monitoring. To learn why the top financial institutions, online retail leaders, media and entertainment providers, and government organizations trust Akamai, please visit www.akamai.com, blogs.akamai.com, or [@Akamai](https://twitter.com/Akamai) on Twitter. You can find our global contact information at www.akamai.com/locations. Published 08/18.