



BROCHURE

# Akamai Edge Security Solutions

Whether you sell to customers over the web, operate data centers around the world or in the cloud, or support employees on the road, you rely on the internet to keep your business connected. Protecting those connections can be critical in a world of evolving security threats and changing business requirements.

**Mobile. Cloud. DevOps.** Akamai can help. We understand the internet and how you use it to drive your business forward. We can discern how attackers identify and leverage vulnerabilities across your infrastructure to wreak havoc and cause harm – and we have a robust, flexible platform to protect the many aspects of your internet-facing infrastructure against the growing range of risk.



# Seven keys to reducing your attack surface



## PROTECT YOUR CUSTOMERS

Your business can thrive only with your customers' trust. That means protecting personally identifiable information (PII), account balances, and transaction details as if they were your own.



## PROTECT YOUR WEB APPLICATIONS

When your website is your business, attacks can have an outsized impact on your business. It is critical to protect your website and web applications from denial-of-service attacks, web application attacks, and bot attacks.



## PROTECT YOUR APIs

Businesses are moving to APIs to deliver data to mobile apps, partners, and clients. But API endpoints extend your attack surface in new ways. Make sure that your APIs are protected from the same threats as your website.



## PROTECT YOUR DATA CENTERS

The IT assets within your data centers power every aspect of your business. You need to protect these internet-facing assets, including your network bandwidth, applications, servers, and Internet of Things devices, from denial-of-service attacks and malware.



## PROTECT YOUR DNS SERVICES

Your domain name system (DNS) services need to be always available, trustworthy, and fast, so users can find your websites and applications. Protect DNS from denial-of-service attacks, forgery, and manipulation.



## PROTECT YOUR EMPLOYEES

Many of the most damaging breaches can start with your own employees, who can be tricked into downloading malicious files through malware, ransomware, and phishing attacks.



## PROTECT YOUR ENTERPRISE APPLICATIONS AND DATA

You need to provide secure access to enterprise applications as the security perimeter dissolves, while protecting end users from advanced threats and ensuring data is not exfiltrated over DNS.

# Build your business on a global security platform

Akamai edge security solutions are deployed on a global platform that extends from your applications and infrastructure to the user. Situated between you and potential attackers, Akamai stops attacks in the cloud, at the network edge, closer to attackers and before they can jeopardize your applications and infrastructure.



## MASSIVE SCALE

Stop the largest direct attacks – and insulate yourself from collateral damage from attacks against other customers – with Akamai’s unmatched scale and global distribution.



## GLOBAL PROTECTION

Support the business as it deploys applications in your data centers, public cloud, or even multi-cloud environments anywhere in the world.



## REAL-TIME SUPPORT

Leverage a single point of contact for attack support and real-time incident response against a wide range of threats with our unified global security operations center (SOC). After an attack, go beyond high-level dashboards and gain granular visibility for post-attack forensics and root-cause analysis.



## INTEGRATED SOLUTIONS

Improve mitigation and simplify security with solutions designed to work together, all managed through a single pane of glass.



## IMPROVED ATTACK VISIBILITY

Manage multiple solutions through Akamai’s web-based portal for visibility into attacks and policy control. Start with high-level dashboards and drill down into different areas of concern. Integrate with your existing security information and event management (SIEM) tool for greater awareness across all your security solutions.



## SIMPLIFIED MANAGEMENT

Eliminate the need to deploy physical appliances or software solutions yourself with our managed security services. Meet changing threats with adaptive threat protections. Automate changes to your Akamai solution configurations by integrating your application development lifecycle with our management APIs.



## MITIGATE FUTURE RISK

Build a security infrastructure that can help you respond to future threats. Seamlessly deploy new security capabilities and solutions as they become available, without disrupting your application infrastructure.

# Akamai edge security solutions

## DDoS PROTECTION

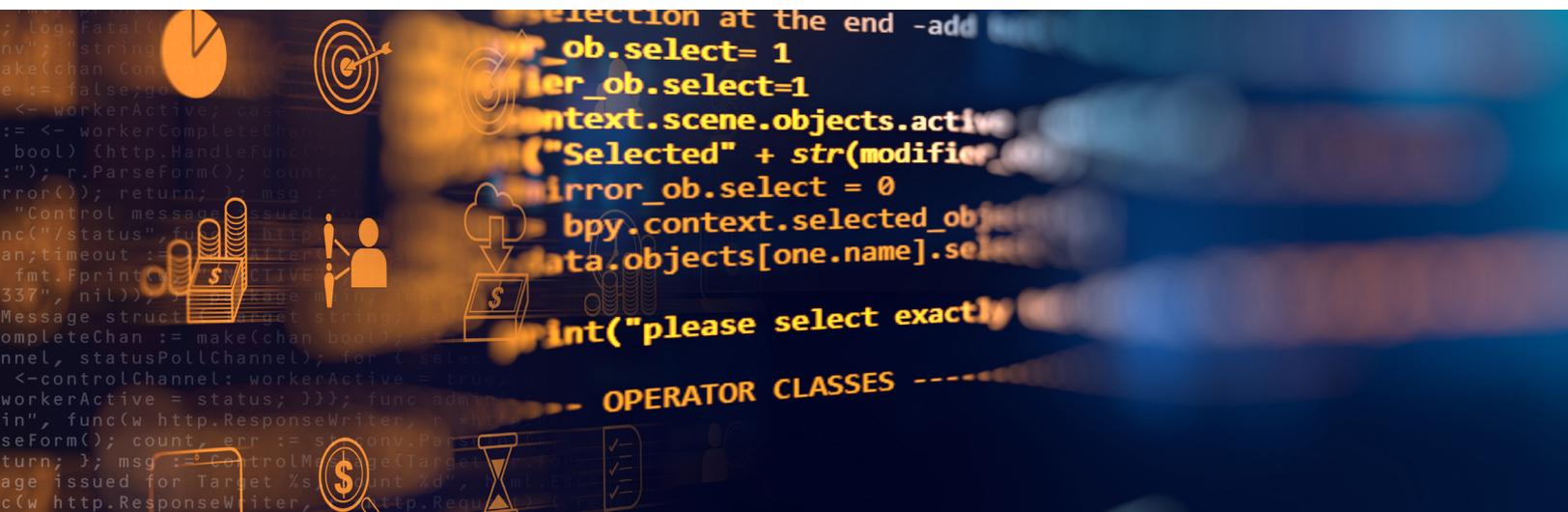
With cloud-based DDoS protection solutions for websites, infrastructure, and DNS, Akamai can help keep your applications and IT services available even through the largest attacks. Mitigating thousands of attacks every month, the Akamai SOC sees new attack vectors before anybody else and institutionalizes lessons learned to stop attacks faster.

Largest DDoS mitigation platform, with 175+ Tbps total platform capacity	Fast mitigation with industry-leading time-to-mitigate SLAs	Highly resilient – architected for 100% uptime and minimal collateral damage
Global SOC for 24/7/365 attack support	Proven effective, stopping thousands of attacks every month	Stopping DDoS attacks in the cloud since 2003

## WEB APPLICATION FIREWALL

Websites and web applications are increasing in complexity and risk, with new vulnerabilities discovered daily. Protect them with Akamai's industry-leading WAF solution – the market's first cloud WAF and a Leader in the Gartner Magic Quadrant for Web Application Firewalls. We continuously update our WAF rules based on visibility into the attacks against Akamai customers, as well as newly disclosed vulnerabilities.

Highly distributed, with 340,000+ servers around the world	Adaptive WAF rules keep up with the latest threats	High accuracy backed by Akamai threat research
Zero performance impact guaranteed	Visibility into recent malicious behavior for millions of clients	PCI DSS compliant



## BOT MANAGEMENT

Bots can represent 30%–70% of your website traffic, with impacts ranging from poor performance to lost customers to fraud. Akamai can help you to implement a more effective bot strategy, bring scrapers under control, and mitigate credential stuffing. To keep pace with the changing bot landscape, Akamai continuously refines our bot detections based on visibility into how bots interact with thousands of Akamai customers.

Visibility into more bot traffic than any other vendor	Advanced bot detections to stop the most sophisticated bots	Customized response with advanced management actions
Protect both websites and native mobile apps from malicious bots	Bot-centric reporting to better analyze and understand bot traffic	Invisible challenges that put the burden of proof on bots instead of customers

## IN-BROWSER THREAT PROTECTION

Increased reliance on web page scripts has created a new attack vector to steal sensitive customer information. Akamai can help you detect and mitigate web skimming, formjacking, and Magecart attacks that can lead to data breach, damage your brand, and subject your organization to substantial fines.

Protection against client-side attacks	Unmatched visibility into sophisticated script attacks	Intuitive dashboards for details at a glance
Simplified administration and single-click mitigation	Policy creation to govern script behavior and unwanted data exfiltration	Protection for any website, including those not on the Akamai platform

## IDENTITY CLOUD

Digital customer identities and the associated profile data are a fundamental prerequisite for any modern digital site, and they form the foundation for analyzing, understanding, and predicting consumer behavior and customer journeys – from first contact to purchase decisions to long-term brand loyalty. Akamai Identity Cloud is a fully SaaS-based solution that lets your customers create personal accounts on any device, gives them control and choice over the data they share, and protects them and your business from risk.

Provide your customers with low-friction user experiences for the creation, use, and management of personal accounts	Manage and monitor accounts; store, analyze, and report on customer profile data	Handle complex consumer-facing use cases with up to hundreds of millions of users
Comply with regulatory requirements around the world, such as GDPR, CCPA, PIPEDA, APPI, or APA	Control the flow of identity data throughout the enterprise technology landscape and prevent toxic data sprawl	Support open industry standards like OAuth, OpenID Connect, and SAML

## ZERO TRUST NETWORK ACCESS (ZTNA)

Business models have changed – enterprise digital ecosystems, cloud applications, and distributed users mean that IT needs agility and users need access. Akamai provides simple, secure remote access management that is easy for IT, provides inherently better security, and delivers an exceptional user experience.

Provide least-privilege access	Segment users from your network	Enable multi-factor authentication
Deliver SSO capabilities for all applications, whether on-premises, in the cloud, or SaaS	Collapse traditional hardware/software stack into a single web service	Provide simple, secure, accelerated application access

## DNS

Protect your authoritative DNS service and stay connected with your users and employees. Architected for performance and availability, our solution maintains a fast and available DNS experience even through the largest DDoS attacks, and can also protect against DNS forgery and manipulation.

1,000s of DNS servers and hundreds of PoPs worldwide identify and block access to malicious domains – everywhere	Fast DNS resolution to improve user experience	DNSSEC support
20+ discrete DNS clouds to minimize collateral damage from DDoS attacks	Architected for resiliency and availability with a 100% uptime SLA	Massive capacity to stop the largest DDoS attacks

## SECURE WEB GATEWAY (SWG)

Akamai's advanced threat protection solution is a cloud-based SWG that delivers security, control, and visibility while easily integrating with your existing network defenses. With multiple layers of defense based on Akamai's unprecedented global visibility into more than 2 trillion DNS requests daily and multiple malware detection engines, users are proactively protected no matter where they are connecting from or which device they are using.

Proactively block malware, ransomware, and phishing attacks everywhere	Identify and control shadow IT and limit application features	Gain visibility into all web and DNS traffic
Enforce AUPs and prevent access to inappropriate content	Block or monitor content uploads that contain PII, PCI DSS, or HIPAA data	Integrate with other security systems, such as SIEMs, via Akamai's APIs

## MULTI-FACTOR AUTHENTICATION

Prevent employee account takeovers via phishing attacks, stolen credentials, and credential stuffing with FIDO2-based multi-factor authentication (MFA), the most secure industry standard for MFA. This high-security authentication method is coupled with the frictionless user experience of a smartphone push, removing the need for costly and cumbersome hardware keys. Deployed on the Akamai Intelligent Edge Platform, Akamai's MFA service is built with proven scale, resilience, and performance. It integrates with Akamai's ZTNA and SWG solutions, providing a foundation for Zero Trust security.

Unrivaled workforce authentication security with phish-proof FIDO2-based MFA

Rapid deployment and management with automated user provisioning

Frictionless user experience with a push notification on a smartphone app

Future-proof your MFA investment with FIDO2-based authentication supporting passwordless logins

## MANAGED SECURITY SERVICES

As your strategic security partner, we make security easy. Akamai's Managed Security Services deeply roots our expertise and resources in your day-to-day security operations and offsets your business risk to keep your business protected. By bringing together your strategy with our people, process, and technology, we keep your business protected from the most sophisticated attacks 24/7/365.

Attack response by highly trained and experienced Akamai staff

Reduce business risk to keep pace with the changing threat landscape

Decrease overhead with dedicated resources and global SOCC responses

24/7/365 proactive monitoring and incident response

Continuous and personalized evaluation of your security posture

Proven track record preparing for and effectively mitigating attacks

# Akamai is ready to mitigate today's security risks and new threats that will emerge in the future

Akamai offers more than two decades of security experience, and we bring together the best security talent, threat intelligence, and security technology. We work tirelessly to make it easier for you to provide the best and most secure digital experiences for your users, no matter where they might be or which devices they use.

- **Protection and performance** – When you're operating online, you cannot have performance without protection
- **History of security innovation** – We have protected customers from our inception, stopping some of the largest DDoS attacks ever, including the largest DDoS attack ever mitigated by Akamai at 1.3 Terabytes per second (Tbps) – moreover, we built both the first cloud-based WAF and first DDoS protection service
- **Continual investment in security** – We are committed to helping you better address your growing security needs as well as the changing threat landscape
- **The largest, most trusted cloud delivery platform** – Relied on by 100% of top commerce sites, 80% of top global banks, and 70% of the world's top airlines – to name just a few



Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone – and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit [www.akamai.com](http://www.akamai.com), [blogs.akamai.com](http://blogs.akamai.com), or [@Akamai](https://twitter.com/Akamai) on Twitter. You can find our global contact information at [www.akamai.com/locations](http://www.akamai.com/locations). Published 05/21.