

AKAMAI SOLUTION BRIEF

Secure Internet Access Services for ISPs and MNOs

Akamai Secure Internet Access services help ISPs and MNOs move beyond speed and reliability, and differentiate their service offerings based on security. Providers can demonstrate a commitment to helping subscribers and get on a path to generating revenue.

Today's digital world has transformed work, learning, and leisure, but it has also increased exposure to internet threats. Akamai Secure Internet Access services are designed for ISPs and MNOs to provide foundational security defenses that are effortless to use and protect all the devices subscribers connect to online – whether they are at work, at home, or on the go.

Purpose-built for mainstream market segments – consumer, small and midsize business, and enterprise – Akamai's brandable services help providers differentiate their internet access offerings and get on a path to generating revenue.

Essentials, Standard, and Advanced feature packs allow providers to maximize their revenue potential. Cloud options and Akamai integration experience simplify and speed deployment to minimize time to revenue. Licensed alternatives are available to meet compliance requirements or enhance performance.

Cloud options for Secure Internet Access services take advantage of the Akamai Intelligent Edge Platform, which strategically surrounds web resources, applications, infrastructure, and people. It's massively distributed – with more than 4,200 points of presence around the world – and more than 160 terabits of capacity. Global presence and scale give Akamai unequalled visibility into attack activity, tracking continuously changing threats and deterring billions of exploits daily.

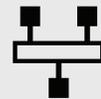
Threat intelligence and security research

The threat intelligence used by Secure Internet Access services is developed by a team of 20 data science and security experts who process real-time DNS resolution data sourced from around the world. The team focuses on three core goals:

Increasing coverage – We regularly compare our malicious domain detections to other commercially and freely available threat lists, and more than one-third of the domain names on our threat lists are uniquely identified by our detection algorithms.

Ensuring precision – Rigorous quality control and testing methods deliver near-zero false positives. Providers that prefer higher rates of blocking can choose from domain classifications placed into five confidence levels.

Services for ISPs and MNOs



Any Access

Cellular, broadband, converged



Embedded Security

L2-L7 options, leading threat intel



Subscriber Features

Customization, purpose-built portals



Improving agility – Time to identify new threats in live data using detection algorithms on our data science platform is typically just seconds. Time to protect – from detection to blocking in production resolvers in provider networks – is less than 60 seconds.



Coverage

Protect against diverse exploits and emerging threats



Precision

Minimize risk of blocking legitimate traffic



Agility

Respond rapidly to fast-changing attacks

Security in the cloud

Akamai Secure Internet Access services also have advanced defense in depth to protect business assets and accommodate increasingly remote workforces. A cloud-based secure web gateway enables application-level security to identify more sophisticated exploits and manage shadow IT. In addition to evaluating DNS and URL requests, service options support inspection of encrypted traffic, payload analysis using multiple techniques, zero-day phishing, and integrated data loss prevention – all while delivering high performance and integrating with enterprise application security technologies. Other easy-to-use features activate blocking of unwanted content to support acceptable use policies, business compliance requirements, or family preferences.

Additional value-add mobile features enable data management and network FWaaS, adding essential controls and security to increasingly remote work environments.

With a full suite of capabilities integrated in their networks, providers can equip their customer IT security teams to enforce consistent policies, reduce complexity, minimize costly backhauling, and improve efficiency.

Brandable self-service portal and APIs

Graphical portals designed for different levels of expertise in different market segments display vital feedback and insights about internet threats. Provider APIs allow for customization to convey brands and identity, and tailor the features and user experience. Enterprise APIs for mobile services enable automation and integration with other internal systems like mobile device management (MDM)/ unified endpoint management (UEM).

A self-serve portal for mobile services integrates with MDM systems to simplify configuration at scale. Businesses can provision security and compliance policies, and implement data management features for thousands of SIM-based devices in minutes. A hierarchical structure allows configuration functions to be securely delegated within, and across, organizations. Sophisticated business intelligence capabilities built on Microsoft Power BI enable detailed reporting and analysis of mobile devices, activity, and threats. Extensive APIs allow for automation and ease integration with other IT systems.

Protect Subscribers



Offer foundational security defenses that are effortless to use and protect all the devices subscribers connect to online.

Expand your security service portfolio with Akamai

Akamai Secure Internet Access services help providers move beyond speed and reliability to differentiate based on security. Subscribers get tangible value with enterprise-grade security solutions that are pervasive, comprehensive, and easy to use.

Akamai's expert security and data science teams take advantage of the unequaled visibility into attack activity of the global Akamai Intelligent Edge Platform and other real-time data sources to deter billions of exploits daily. Akamai has large development teams focused exclusively on ISPs and MNOs, building products that allow them to expand service offerings, run networks more cost-effectively, and protect business-critical and customer-facing resources.

To learn more, visit akamai.com or contact your Akamai sales team.