

Akamai SPS Shield Product Brief

Residential internet connections have transitioned to business internet connections, substantially changing the security landscape. Most small/midsize businesses (SMB) and families were already challenged protecting themselves and now it's even harder. Akamai SPS Shield equips ISPs and MNOs to leverage the power of their networks to protect every SMB and residential customer from online threats like phishing, bots, and malware.

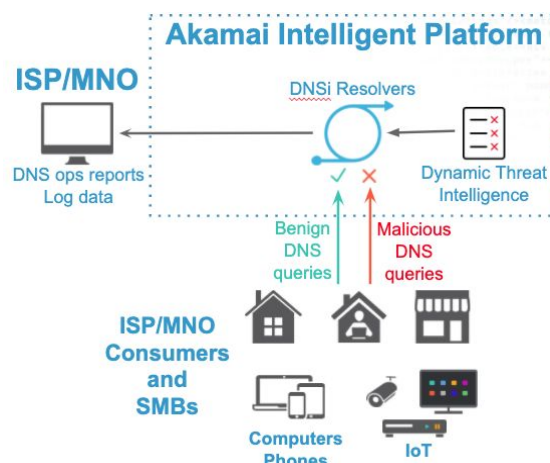
Subscriber benefits

- Web defenses “just work” without any software or hardware installation
- Optional pre-configured web filters block access to unwanted content
- All devices are automatically covered
- Continuously updated threat intelligence protects against today's agile exploits

Provider benefits

- Simple integration effort and easy onboarding protects every customer network-wide
- Cloud-based solution speeds time to market and minimizes start-up investment
- Foundational web defenses differentiate internet services beyond speed and reliability
- Complete control over business model and pricing
- DNS encryption support (DoH) addresses emerging requirements
- Entry level offering puts providers on a path to upsell revenue generating services

How it works



SPS Shield blocks malicious activity or unwanted content by filtering DNS queries. It's simple and effective, with a good user experience.

A 2018 Cyber Security Breaches Survey conducted by the U.K. government found 43% of all micro/small businesses identified a cybersecurity breach in the previous year.¹ A Gallup poll conducted in 2018 found 67% of households were concerned about identity theft and 25% of households had personal, credit card or financial information stolen by computer hackers.²

SPS Shield is built with Akamai DNSi resolvers. They're widely deployed in many of the world's fastest and most reliable ISP/MNO networks to enable self-defending DNS infrastructure that shields networks and subscribers from cyberthreats. DNSi resolvers offer leading performance that's optimized for high volume, low latency DNS resolution. A policy framework enables fine-grained control over query traffic.

Akamai has more than 300 security experts and data scientists. Threat feeds used by SPS Shield are created by specialized systems that process massive volumes of live streamed DNS data (9 PB/day) from around the world every day. Dynamic updates ensure subscribers get up to the minute protections. Providers can also incorporate local threat intelligence.

¹ <https://www.gov.uk/government/statistics/cyber-security-breaches-survey-2018>

² <https://news.gallup.com/poll/245336/one-four-americans-experienced-cybercrime.aspx>