Akamai MFA

Eighty percent of reported security breaches involve compromised user credentials or poor password hygiene.[1] These vulnerabilities can result in account takeovers that allow attackers to obtain initial access, then move laterally to discover and exfiltrate data.

Adding multi-factor authentication (MFA) as an additional login security layer significantly reduces risk, but many of today's MFA solutions have significant security flaws. Current second-factor authentication methods can easily be manipulated by attackers and bypassed using simple phishing or social engineering techniques.

Next-Generation MFA at the Edge

Akamai MFA is a next-generation solution that features a phish-proof authentication factor.

The service leverages FIDO2, the strongest standards-based authentication method available, via a smartphone app (Akamai MFA) in place of a physical security key. Security is provided by end-to-end cryptography and a sealed challenge/response flow. This method makes the authentication process unphishable and confidential. Akamai MFA couples this proven security with the familiar and frictionless user experience of a mobile push — removing the need for costly and cumbersome hardware security keys.

Deployed on the Akamai Intelligent Edge Platform, Akamai MFA can be activated and managed centrally via Enterprise Center with global reach and scale for resilience and performance. It integrates with Akamai Zero Trust Network Access (ZTNA) and secure web gateway (SWG) products, providing a foundation for migrating to a Zero Trust security model.

BENEFITS FOR YOUR BUSINESS

Reduce risk by deploying a FIDO2 authentication factor to eliminate the impact of phishing and social engineering attacks

Lower total cost of ownership (TCO) by digitizing the increased security of FIDO2 with an existing smartphone and web browser; no need to purchase, replace, and maintain additional hardware

Deploy rapidly with the Akamai MFA app on existing smartphones. No delays caused by distributing physical security keys or issuing compatible hardware.

Provide frictionless user experience by leveraging existing smartphones and familiar push notifications

Future-proof MFA investments with a cloud-delivered, FIDO2-based service built to evolve to support future use cases, such as passwordless authentication

Enable Zero Trust security by implementing the strongest available authentication and authorization protocols, and integrating with Akamai's ZTNA and SWG solutions

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How It Works
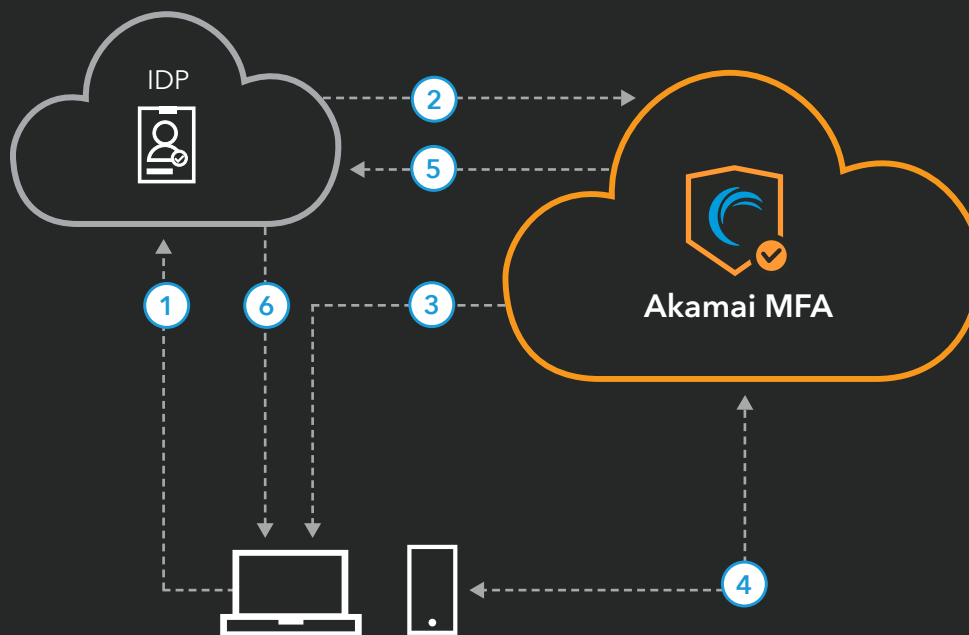
1. The user provides their username and password to the directory/primary authenticator (e.g., Microsoft Azure AD).

2. When the username and password are validated, the primary authenticator connects to Akamai MFA to generate the second factor.

3. Akamai MFA renders a page for the user to select an authentication factor.

4. Akamai MFA sends a challenge – the phish-proof push – to the user's smartphone and receives a response from the user.

5. Once the response is received, Akamai MFA passes control back to the primary authenticator.

6. The primary authenticator then allows the user to proceed to the requested application or service.

Capabilities

Akamai phish-proof authentication factor: Enable FIDO2 security, providing unrivaled security via a frictionless push notification

Configurable authentication factor: Select the authentication factors you need for your use case, including phish-proof push, standard push, TOTP, and SMS

IdP integration: Easily integrate Akamai MFA with market-leading IdP and identity solutions such as Microsoft Azure, Okta, and Akamai IdP to provide a seamless MFA service

Automated provisioning: Using SCIM, Akamai MFA automates user provisioning workflows, ensuring changes in your directory are immediately reflected

Authentication event reporting: A complete set of rich reporting features keeps your administration team informed of authentication events

Self-service user enrollment: Various low-friction self-service methods are provided for end-user enrollment and device registration, reducing load on administrators

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The Akamai Intelligent Edge Platform

The Akamai Intelligent Edge Platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Our comprehensive solutions are managed through the unified, customizable Akamai Control Center for visibility and control, and supported by Professional Services experts who get you up and running easily, and inspire innovation as your strategies evolve.

To learn more about Akamai MFA and sign up for a free 60-day trial, visit akamai.com/mfa.

Source:

1. https://enterprise.verizon.com/resources/reports/dbir/

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, blogs.akamai.com, or @Akamai on Twitter. You can find our global contact information at www.akamai.com/locations. Published 04/21.