



YubiKeys: the gold standard for phishing-resistant MFA

Now available on the AWS Marketplace

Challenges

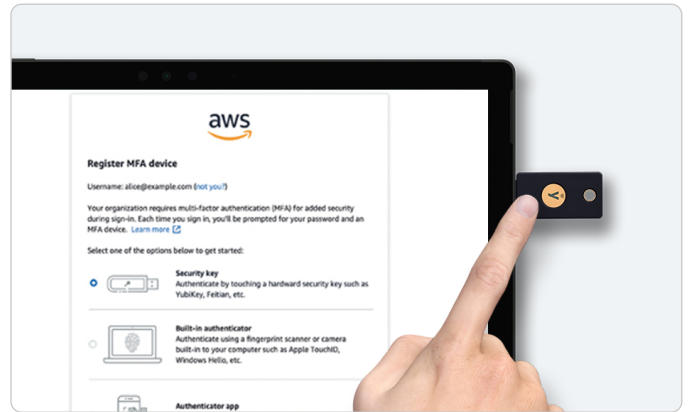
Username and passwords continue to be broadly used as the sole form of online security

81%



of data breaches are caused by stolen or weak passwords

The primary cause of hacking-related data breaches is compromised credentials. With the shift to work from anywhere / hybrid working, targeted cyber security attacks are on the rise. Strong multi-factor authentication (MFA) is proven to be the most effective way to stop account takeovers. But, not all MFA options are created equal—SMS codes and mobile authenticator apps are susceptible to modern cyber attacks, such as phishing, man-in-the-middle, and SIM swapping. Hardware-based authentication with the YubiKey offers the highest level of security, while also being easy to use. In fact, FIDO security keys like the YubiKey are proven to successfully combat phishing attacks 100% of the time.



The YubiKey Solution—Authentication without Compromise

The YubiKey is an MFA security key with a simple user experience that is proven to be 4x faster to login, while still providing the highest level of authentication security. The YubiKey enables secure authentication, encryption, code signing, and enables a single device to work across hundreds of applications and services. The YubiKey is available in a variety of form factors with a variety of connectors to work with your favorite devices.

YubiKeys proven to secure AWS customers

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. AWS IAM and root users can use their YubiKey as an MFA device to add an extra layer of protection on top of a username and password. YubiKeys allow customers to use the same key as the MFA device for multiple IAM and root users across AWS accounts. AWS Single Sign On service also supports WebAuthn to enable strongly attestable and phishing-resistant security across supported browsers using interoperable FIDO and FIDO2 authenticators like the YubiKey.

Whether your identity access management platform is AWS IAM, Okta, Ping, Duo, or another service, Yubico offers a secure authentication solution that meets you where you are on your Zero Trust, MFA, and passwordless journeys. Adding MFA for your AWS IAM users, AWS root users, and Amazon Cognito enhances your security posture right away and follows modern security best practices that effectively counter modern cyber threats.



YubiKeys deployed in:

9 of the top 10 global technology companies

4 of the top 10 U.S. banks

5 of the top 10 global retailers

Benefits

Yubico offers a secure authentication solution that meets you where you are on your Zero Trust, MFA, and passwordless journeys. The YubiKey, a multi-protocol phishing-resistant security key, secures legacy on-premises and modern cloud environments and can easily get you on the bridge to passwordless authentication when you're ready.



Highest security standards

The YubiKey supports multiple authentication protocols: OATH TOTP/HOTP, YubiOTP, PGP, Smartcard (PIV), FIDO U2F, and FIDO2/WebAuthn.



Easy to use across multiple devices

The YubiKey is available with USB A, USB C, Lightning, and NFC connectors, enabling usage across a variety of devices including mobile phones and laptops.



Secures hundreds of apps and services

The YubiKey works with hundreds of enterprise, developer and consumer applications and services, out-of-the-box and with no client software. Users can be up and running in minutes.



Designed to be rugged and long-lasting

YubiKeys are manufactured in the USA and Sweden, with the highest level of security and privacy. Designed with respect for people and the environment, YubiKeys are crush and water-resistant, require no battery, and do not expire.

Features

Secures hundreds of apps and services

The YubiKey secures over 700 enterprise, developer and consumer applications, out-of-the-box with no client software needed. Combine the YubiKey with leading password managers, social login, and enterprise single sign on systems to enable secure access to millions of online services.

Simplify your sign in experience

The YubiKey delivers one touch phishing-resistant MFA and simplifies the sign-in experience for AWS accounts. To use the YubiKey, go to the Security Settings of a supported service and select two-factor authentication. Then on a computer, insert the YubiKey into a USB-port and touch the YubiKey, or on an NFC-enabled phone, just tap your NFC-enabled YubiKey against the phone.



The YubiKey Family

The YubiKey is available in multiple form factors for desktop, laptops, mobile devices and tablets.

Case study: Smartsheet

Challenges

Smartsheet needed to be FedRamp compliant, which required securing infrastructure assets along with customer and federal data stored in the AWS cloud.

Solution

Smartsheet partnered with Anitian, and with Yubico's support, implemented YubiKeys as smart cards as well as FIDO U2F authenticators for the AWS Management Console to lock down their infrastructure. It provides quick, easy to use MFA for privileged and standard users.

Results

Embraced the framework, principles, and methodology to accelerate the ATO (Authority to Operate) process leveraging FIPS-validated YubiKeys.

Smartsheet became FedRAMP compliant in 60 days and offers convenient and flexible authentication for users with minimal training.

Get started with the Yubico authentication solution on AWS today. Visit [AWS Marketplace here](#).

About Yubico As the inventor of the YubiKey, Yubico makes secure login easy. As a leader in setting global standards for secure access to computers, mobile devices, and more, Yubico is also a creator and core contributor to the FIDO2, WebAuthn, and FIDO Universal 2nd Factor (U2F), and open authentication standards. For more information, please visit: www.yubico.com.

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