

Okta Adaptive MFA and YubiKey

Simple, Secure Authentication

Security breaches are an expensive problem. In addition to cost and disruption, IT departments also face the challenge of striking a balance between security and usability while adhering to compliance regulations. Of course, there is also reputational brand damage and risk of losing customers. With security only being as strong as its weakest link, even the most stringent measures would not be effective if users refuse to adopt it.

Strong hardware-backed phishing-resistant MFA is a must in order to protect against credential-related security risks.

Regulatory agencies, like the National Institute of Standards and Technology (NIST) and the European Union's General Data Protection Regulation (GDPR), now require organizations to deploy stronger authentication solutions for access to sensitive information.

To address and comply with modern authentication regulations such as Executive Order 14028 and OMB M-22-09, organizations are combining strong phishing-resistant MFA with contextual identity and access management. Turning on MFA enables organizations to reduce the risk of breaches and threats like credential theft to protect their admins, end-users, networks, and computers without much heavy lifting or impact to employee productivity.

Okta and Yubico make strong authentication easy to adopt and manage by:

Preventing and **mitigating credential compromises**

Securely and easily authenticating with the YubiKey to Okta to access any enterprise application

Providing **high-assurance authentication** method for organizations of any size or complexity

YubiKeys are **crush-and-water-resistant**, and require no batteries, so it is always on

High-assurance authentication for organizations of any size or complexity

The YubiKey and Okta Adaptive MFA provide the strongest level of authentication assurance and defense against phishing and man-in-the-middle attacks, while also delivering a simple and seamless user experience - all with just the touch of the device. YubiKey security keys can be used as the primary, step-up, or backup authentication method in conjunction with Okta Adaptive MFA, ensuring secure user access at all times.

Joint Features and Benefits:

**Modern:**

With YubiKey support, Okta Adaptive MFA customers can leverage multiple authentication protocols to address varying use cases, including phishing-resistant FIDO and PIV (smart card) authentication. Additionally, Okta Adaptive MFA supports Yubico One Time Password (OTP) for secure access to resources.

**Compatibility:**

Okta Adaptive MFA and the YubiKey are both supported by hundreds of integrations across leading vendors in infrastructure and security, enabling the joint solution to work across devices, apps and services.

**Always On:**

Okta Adaptive MFA and the YubiKey provide reliable, battery-free hardware-backed security, so it is always on and accessible.

**Secure Access:**

Okta Desktop MFA for macOS supports all FIDO2 YubiKey models (i.e., YubiKey 5 Series and Security Key Series by Yubico) for authenticating into Apple computers with online access, making the passwordless experience part of the secure access flow.

Intelligent - with Okta Adaptive MFA, admins can create intelligent policies based on device, user, and login context, layering on reliable, easy-to-use hardware-backed YubiKey authentication to prevent unauthorized access.

Strong Authentication - Okta Adaptive MFA and the YubiKey combine adaptive authentication and contextual access management with hardware-backed FIDO protection to close the security gap for employees, partners and customers.

Easy for Everyone - with Yubico FIDO Pre-reg, Yubico pre-registers security keys with Okta during production and ships them directly to users, providing a turnkey passwordless onboarding experience and reducing the burden on IT admins and users.

"Our customers are protected from today's most effective cyber attacks because Yubico and Okta work seamlessly together delivering best-in-class security solutions that stop these threats in their tracks"

Derek Hanson, Vice President - Standards and Alliances



1: Enter username/pwd



2: Insert YubiKey



3: Touch/tap device



Okta and YubiKey Security Protocol Support:

FIDO U2F and FIDO2

PIV (smart card)

Yubico OTP
(One Time Password)

Learn More

The YubiKey and Okta Adaptive Multi-Factor Authentication (MFA) work with nearly unlimited services to protect access to cloud and on-premise applications.

Okta and YubiKey Platforms Support Microsoft Windows 7 or later, Mac OS x 10.10 or later, mobile devices.

Get started with Yubico: yubico.com/start

Get started with Okta: okta.com/free-trial

Resources: [Yubico Partner page](#) [Okta partner page](#)



About Okta

Okta is the leading independent identity provider. The Okta Identity Cloud enables organizations to securely connect the right people to the right technologies at the right time. We provide simple and secure access to people and organizations everywhere, giving them the confidence to reach their full potential. To learn more, visit okta.com