

Phishing-Resistant Security: Okta's Early Adoption of Yubico FIDO Pre-reg


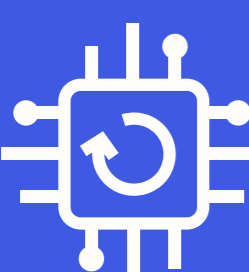


A global rollout of YubiKeys for secure, seamless authentication across Okta's workforce

As an industry leader in identity and access management, Okta prioritizes the highest level of security for its workforce. In early 2024, Okta became an early adopter of [Yubico FIDO Pre-reg](#), deploying YubiKeys to its entire global workforce to establish an end-to-end phishing-resistant authentication experience.





Why did Okta choose Yubico?

- Leading hardware security key manufacturer: YubiKeys are the highest assurance passkeys in the industry
- Large-scale deployment needed to build a phishing-resistant workforce

Goals for Deployment

- 
Onboarding New Users:
 Full phishing-resistant onboarding from the start
- 
Consistent Recovery:
 Streamlined process for when primary devices are lost
- 
Efficiency Without Compromising Security:
 Reduced admin overhead while maintaining security
- 
Testing and Optimization:
 Commitment to testing its own products to refine before general availability

Existing Gaps

- 
 Manual onboarding of recovery factor
- 
 Logistical challenges
- 
 Lack of policy mandates
- 
 No roaming authenticator

Phased Rollout and Strategy

- ↳ Regional rollout for tailored logistical support
- ↳ Full-time employee rollout, followed by contractor rollout
- ↳ Coordination with Yubico shipping for timely delivery
- ↳ Educational support using Slack bots and Okta Workflows



Key Learnings and Solutions

- **Address Verification:** Traveling employees and address verification, especially in APAC regions, were critical hurdles.
 - ↳ Slack-based automation was introduced to confirm employee addresses before shipping, minimizing delivery errors and tracking delays.
- **User Education and Communication:** Employees required clear, continuous guidance on using their YubiKeys.
 - ↳ A custom Slack bot educated users on how to activate, set up, and secure their YubiKeys, reducing friction and increasing adoption.



Final Results

 **6,000+**
YubiKeys delivered in 4 Months

 **42**
countries covered

 **100%**
coverage for new and existing Employees

 **Zero**
admin overhead for recovery

“Using the power of Okta Workflows and Yubico FIDO Pre-reg, Okta is now a truly phishing-resistant enterprise.”

Yogesh Dandekar, Sr Manager, Engineering, Okta