Project ZEN
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Zero-Trust: Why Do We Need It?

Authentication ignored the device

Network perimeter no longer a security boundary

We mistakenly consider the corporate network safe

Evolving tactics, techniques & procedures (TTP’s)
Leverages Existing Investments In...

- Authentication
- Network Access Control
- Logging
- Endpoint Detection & Response
- Device Management
ZEN Overview

1. Request goes to web app
2. App makes AuthN request to Okta
3. Okta delegates AuthN request to vIDM
4. vIDM challenges client for certificate
5. Certificate sent for authentication
6. CRL/OCSP Check
7. CRL/OCSP Response
8. Compliance Check
9. Response (Compliant)
10. If cert valid, vIDM generates SAML response and sends to Okta
11. Okta validates SAML, challenges for MFA generates new SAML response and sends to app
12. App validates SAML and if valid, redirects user to protected application content
Demo – compliant device
Demo – non-compliant device
Progress To Date

- Certificates deployed to over 45,000 devices
- 2000+ ZEN-enabled applications
  - 12,000 authentications per hour
- 20+ applications available via proxy
What’s Coming

**LEGEND**

- **Access Proxy – Expansion**
- Continuous Access Enforcement
- Supporting New Use Cases
- **ZEN Control Plane – Enhancements**
- Granular Authorization to resources
- **Endpoint Improvements**
- Empowering Employees
- Security ‘Credit Score’
Resources

- Adobe Zero-Trust Whitepaper
  https://adobe.com/go/projectZEN

- Security @ Adobe blog
  https://blogs.adobe.com/security/

- Security Jobs @ Adobe
  https://adobe.com/go/securityjobs
Mission

The Identity Defined Security Alliance is a non-profit organization that facilitates community collaboration to develop a framework and practical guidance that helps organizations put identity at the center of their security strategy.

Membership

Atos
Banyan
BeyondTrust
Centrify
Cybereark
Cyxtera
F5
Focal Point
idapivot
Iddataweb
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Thales
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Customer Advisory Board

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IDSA Resources

- Whitepaper: Identity Defined Security Framework
- Whitepaper: The Path To Zero Trust Starts with Identity
- Customer Story: LogRhythm’s Journey to Zero Trust
- Customer Story: Adobe Finds ZEN through Identity Centric Security
- Zero Trust Blog Series

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