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FORUM

Leveraging Adaptive Auth and Device Trust for Enhanced Security and Compliance

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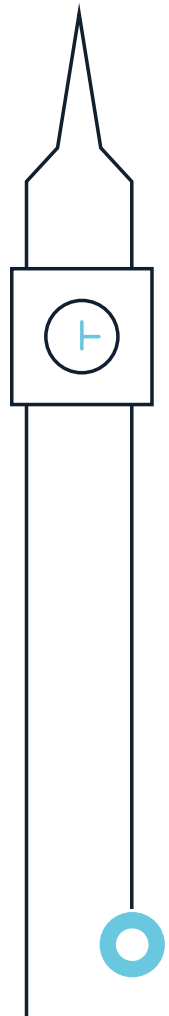


Privacy by design

Trust is our number one value

Okta was born in the cloud

Our approach to data privacy is simple:

Customers own their data

Okta only uses data to provide our service

We keep our customers' data safe and secure

Our approach to security

Offensive security

Defensive security

Trust and compliance

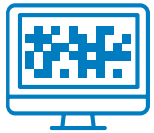
Offensive Security

Peer code reviews
Security Research

65,000+ automated unit, acceptance, and security tests
OWASP Top 10 and SANS Top 20

Internal and external penetration testing teams
Secure code training

Defensive Security

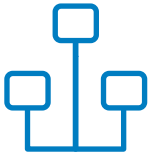


Organization-level Encryption
Need-to-know access

Hardened endpoints
Monitoring and Detection

Incident Response
Industry Breach Reviews

Trust and Compliance



Highly available Architecture

Region-specific storage

Okta on Okta

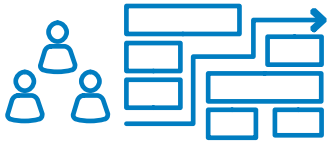
Strong Access Controls

Multiple Industry Certifications

SOC2, ISO 27001, CSA STAR, HIPAA, FedRAMP

Don’t take my word for it

Audit Reports available to customers



3rd Party Pen test reports Public Bug Bounty Program

Customer Pen Testing

Your partner in security

Gain visibility into the cloud landscape

Make security mobile

Use automation to quickly react

SWAROOP SHAM

Sr. Product Marketing Manager, Security, Okta

Building for Security and Compliance

Building for security and compliance

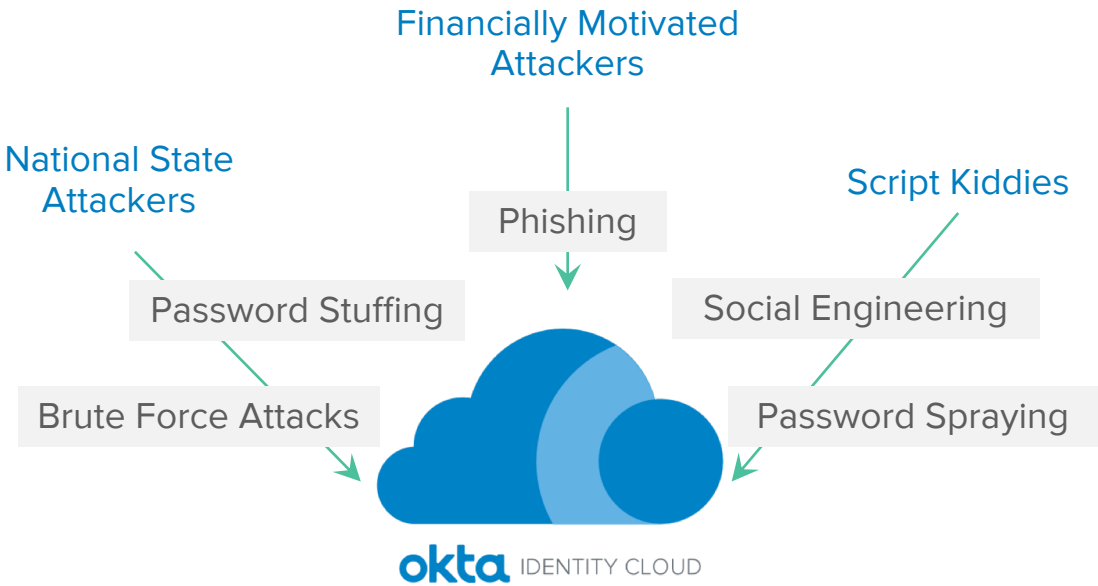
Context

Okta
ThreatInsight

Okta Service Security & Compliance

*ThreatInsight is expected to be available in the second half of 2018

Okta ThreatInsight: Aggregated data powering security



Ingest Intelligence and Identify Attackers

Okta ThreatInsight

Okta Threat Insight: Conditional Access Control

*ThreatInsight is expected to be available in the second half of 2018

Okta ThreatInsight: Aggregated data powering security

User Identifier

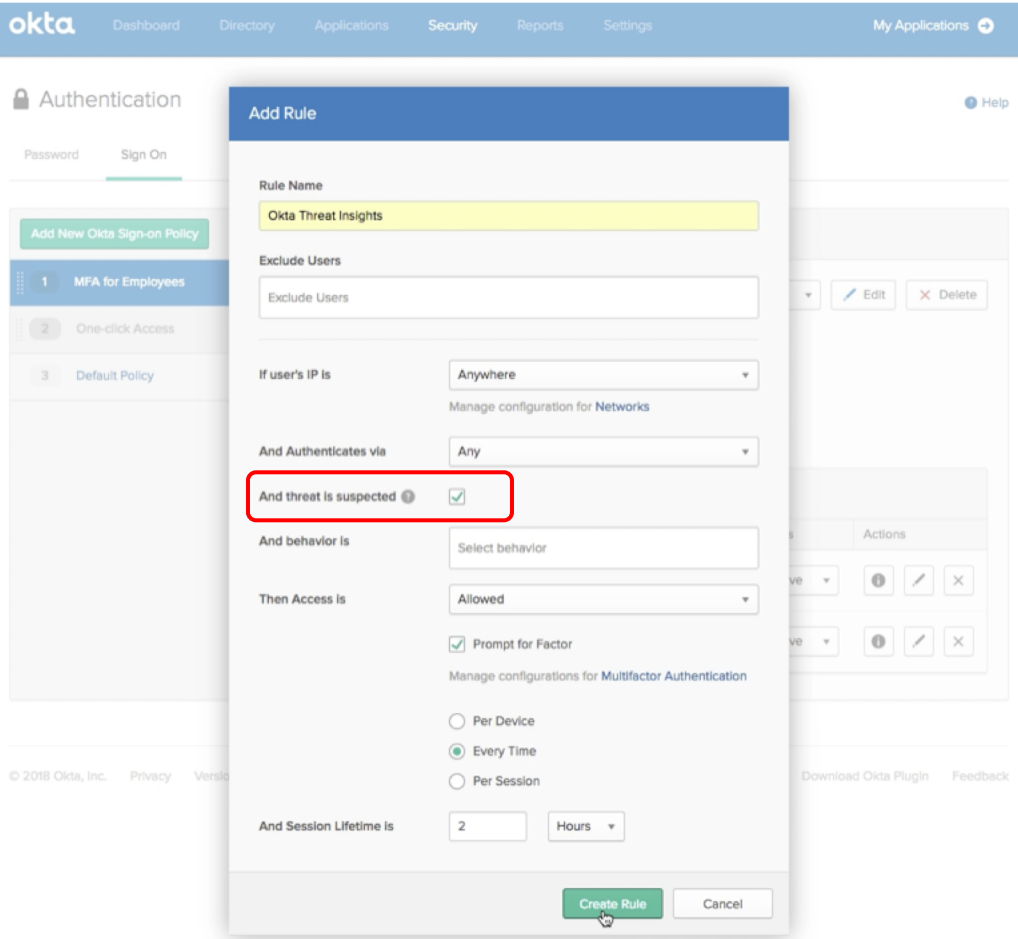
IP Address

Application

Strong Authentication Policies

Anomaly Detection

Incident Enrichment



Building for security and compliance

Context

Okta Threat Insights

User

Network

Device

App

Location

Okta Service Security & Compliance

*ThreatInsight is expected to be available in the second half of 2018

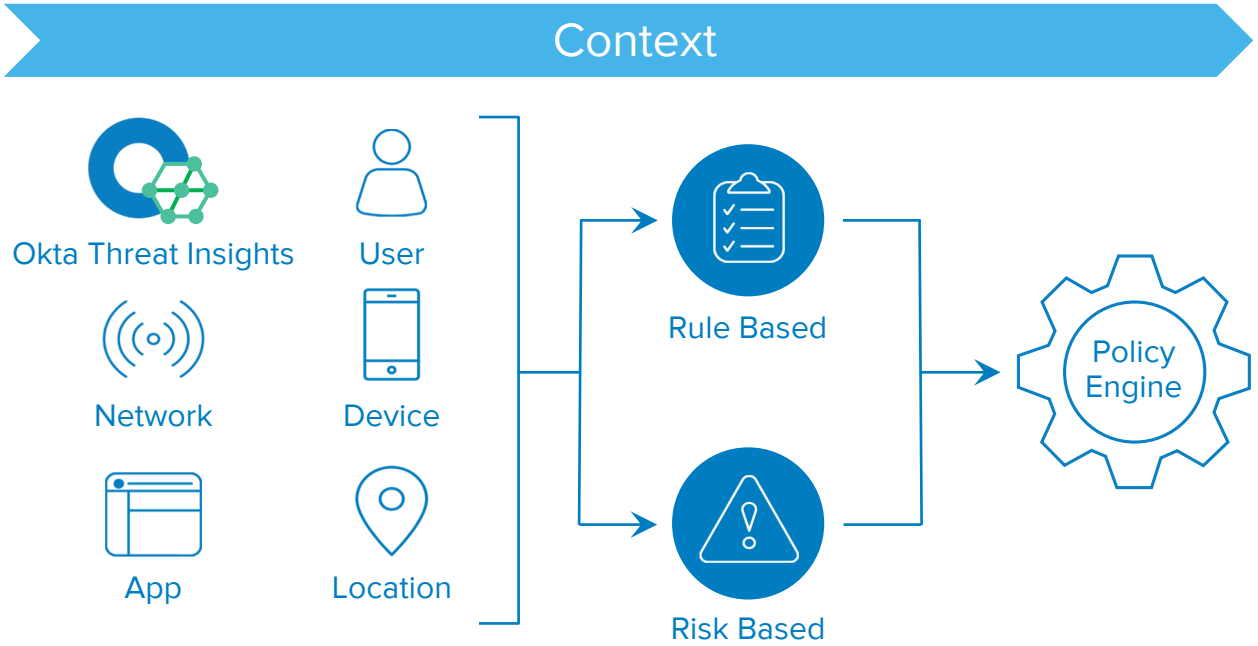
Adaptive authentication: Context






Group/Role	User agent	Lat/Lon	In-Network IP	Sensitive data	Bad IPs
Login velocity	Device fingerprint	Country	Out-Network IP	User group	Malicious user behavior
Work location	Devices per user	State	Proxy		
Working hours	Managed	City	Anonymizer		
Typing speed	Known device	Prohibited country	Known bad IPs		
Concurrent login	Secure device				
Auth. method					

Building for security and compliance



Okta Service Security & Compliance

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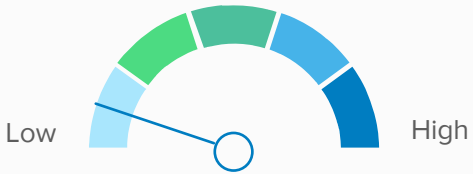
Match authentication to the risk observed from context

High Login Velocity | New Device | New Location | New IP | AWS S3 | Suspected IP

Same location
Same device

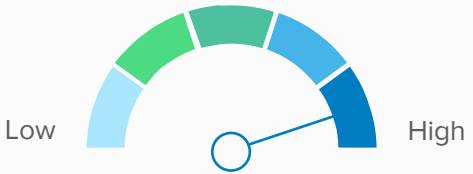


Password

Login within working hours, Same device, New location, New IP

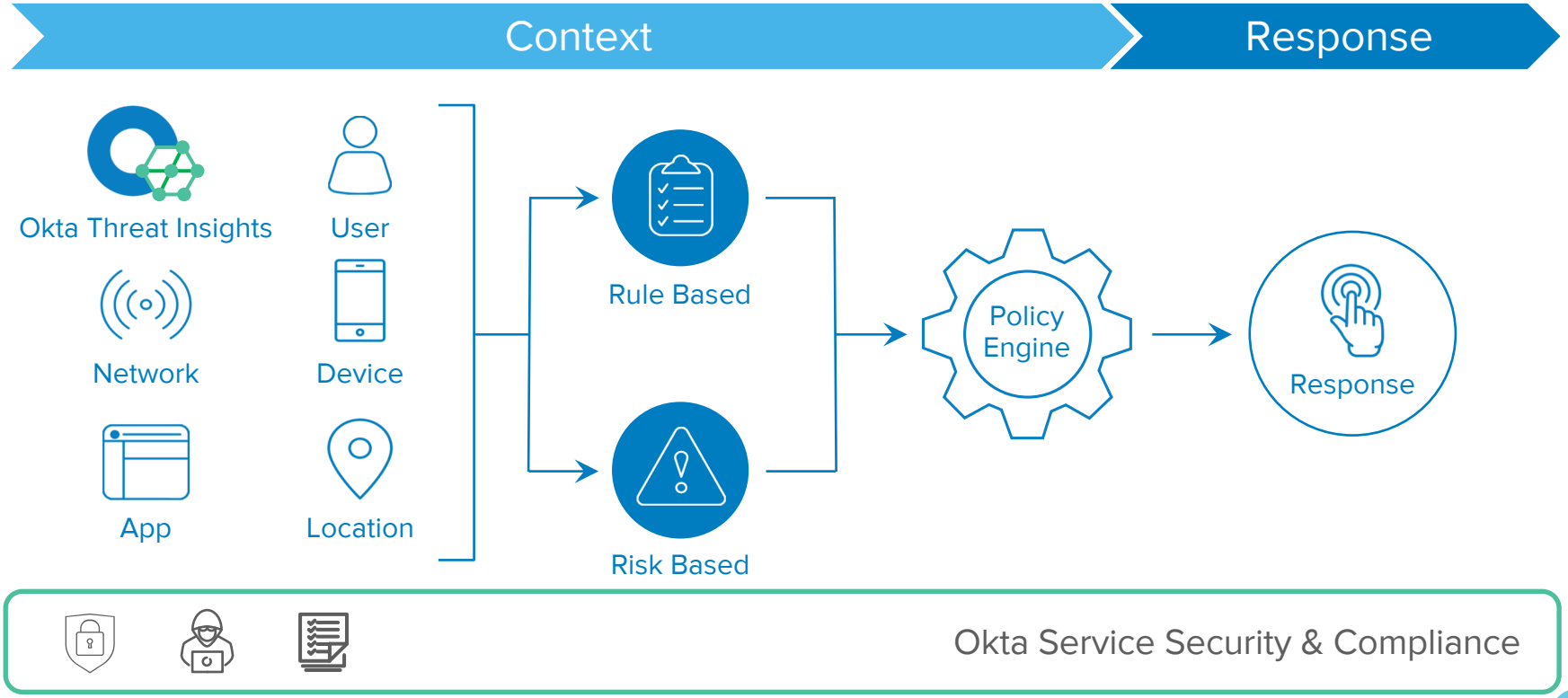
Okta Verify with Push

High login velocity, New device, New location, New IP, Suspected threat IP



Okta Verify + U2F

Adaptive authentication: Customize response based on context



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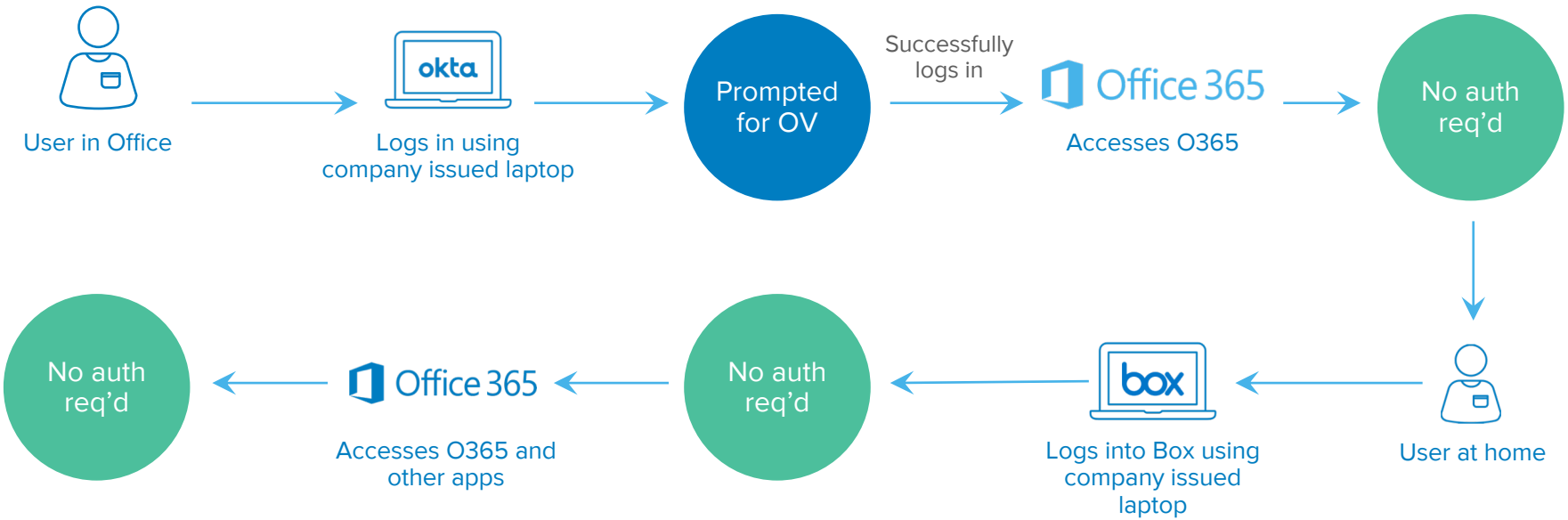
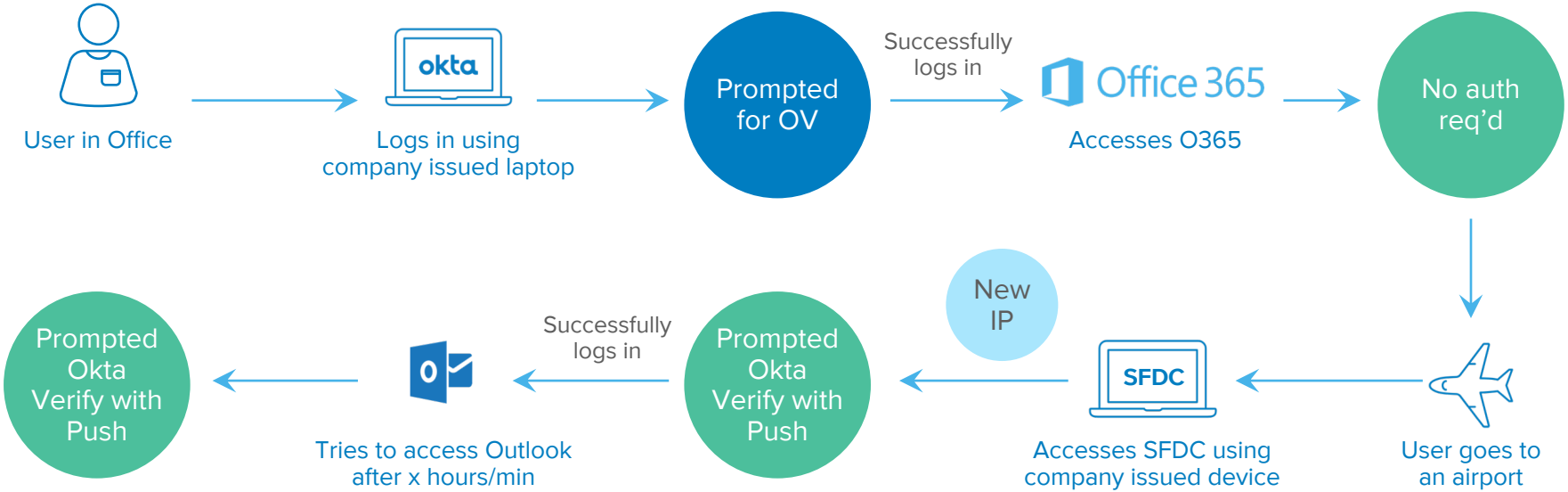
Secure passwordless experience



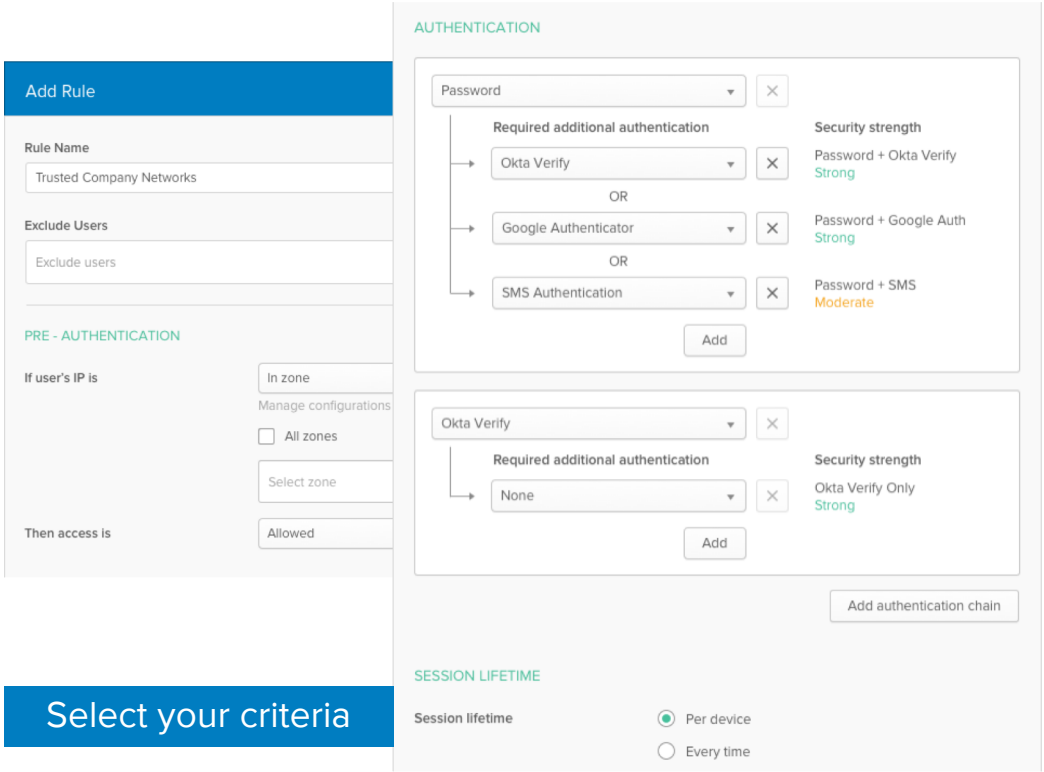
- This is a user who is known to login only from 2 locations—office and home
- Using an Okta issued laptop or his personal iPhone for which we have identified the fingerprints

User experience



- This is a user who travels frequently and doesn't have a known location other than office and home
- Using an Okta issued laptop/iPad or his personal iPhone for which we have identified the fingerprints
- New session interval changes to x hours once a public IP or an unknown IP is encountered

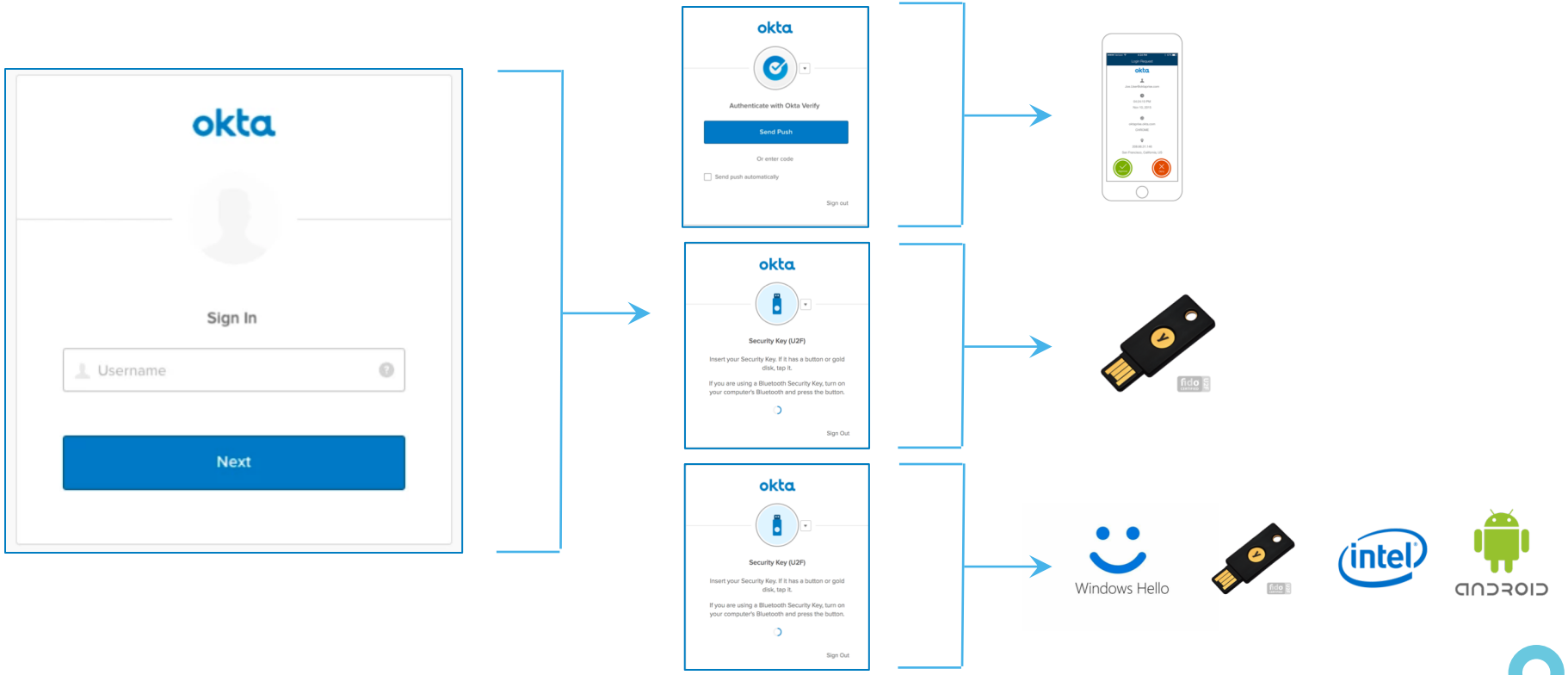
Response: Use authentication factors of choice



Select your criteria

- Select your method of authentication(s)
- Choose factors other than password
- Flexibility to prompt for stronger authentication factors for high risk use cases

Secure passwordless authentication



Building for security and compliance: Key takeaways

1. Security and compliance by design
2. Risk-based contextual access and response
3. Enforcement and visibility across all applications

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Thank You