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Single Sign On (SSO) for a Remote Workforce

Brad Hosking

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Using Zoom for this webinar

- Keep chat settings to "All Panelists and Attendees"

- Use chat to share text, information, URLs amongst all attendees

- If you wish to ask a question to the presenters:
  - Click the Q&A button
  - Type your question
  - The presenters will then answer your questions at an appropriate time
  - Note: Only the presenters will see your question, not other attendees
  - Please don't use chat to ask questions of the presenters, we might not see it

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Single Sign On (SSO) for a Remote Workforce
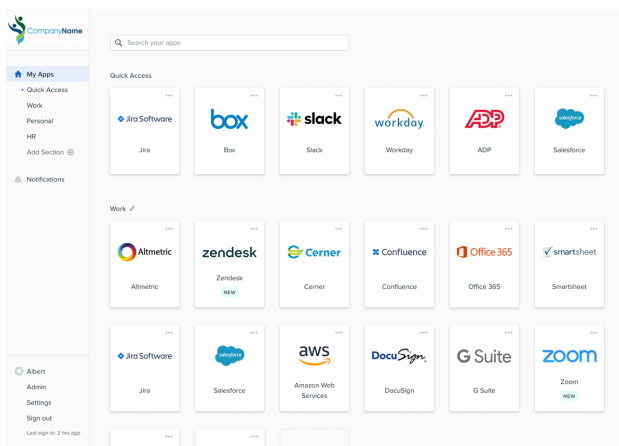
Overview

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Overview

- Why an SSO Solution for a remote workforce?

- Finding the right solution

- Security Aspects/Password

- Implementation

- Success Stories

- Future strategy

- Q&A

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Single Sign On (SSO) for a Remote Workforce

Why an SSO Solution?

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Why chose an SSO?

- Corporate Network

- Layered Security approach

- Simplicity

- Single pane of glass

- Productivity

- Reporting

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Finding the right solution

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Where to start?

onelogin

Azure Active Directory

okta

KEYCLOAK

aws

Auth0

PingIdentity®

G Suite

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Discovery

- Research current apps to see if they support SSO
  - SAML
  - OIDC
- Investigate the inventory app support by vendor
- Ability to create apps using the protocols
- API
- High Availability
- Sandbox/Dev Environment
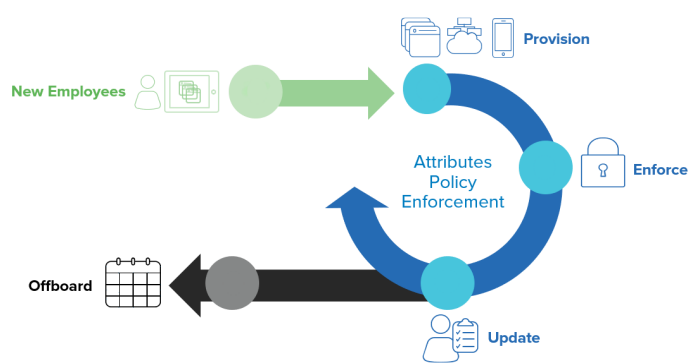- SCIM
- Lifecycle Management
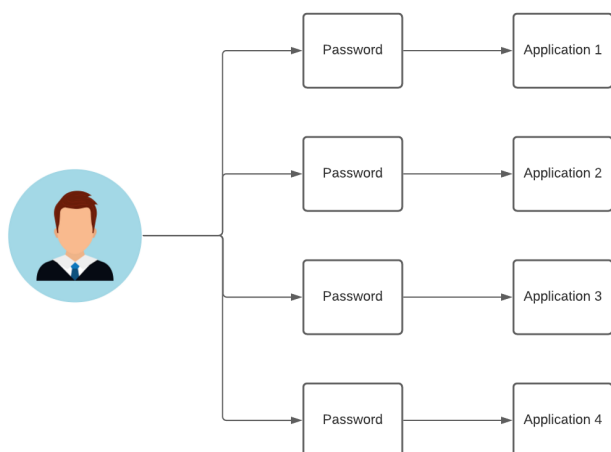- Self-Service Tools

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Lifecycle of a SSO User

- Employee Onboarding

- Provisioning

- Enforcement

- Update

- Offboarding

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Security

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SSO Security & Passwords

- Passwords get reused
- Different password for all apps
- Difficult to manage
- Requires a password manager
- Service accounts

LastPass •••| 1Password

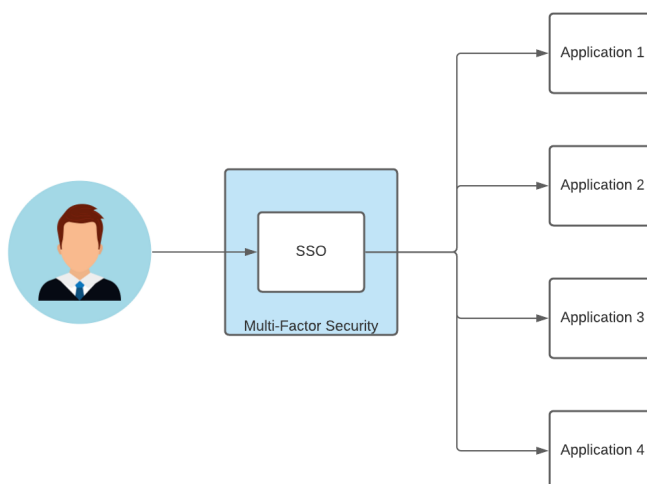KeePass   keeper·

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SSO Security & Password

- User sets one password
- Password resides on in SSO
- Multi-factor Security enforcement
- Behavior detection
- High risk sign in detection
- Session timeout
- Reports/Logs

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Implementation

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Implementation tips

- Highly recommend creating workflows - Group → App

- Create a application reference list with security information

- Groups can be your friend or foe
  - App groups – Don't use a generic group for app access

- What is the master?

- Don't chose the most used app as the first one for migration

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Success Stories

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Success!

- ERP Solution

- Efficient delegation of licensing for apps

- APNIC Contractors

- VPN Migration

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Future strategy

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Roadmap

- Improve the workflow between groups and apps

- Utilisation of webhooks, automations

- Integration to SIEM solution

- Infrastructure as code

- Continue to improve the user experience

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Useful websites

- https://developers.onelogin.com/
- https://developer.pingidentity.com/
- https://auth0.com/developers/
- https://developer.okta.com/
- https://developer.forgerock.com/
- Highly recommend YouTube channels for the different vendors

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Q&A

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Thank You!

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