

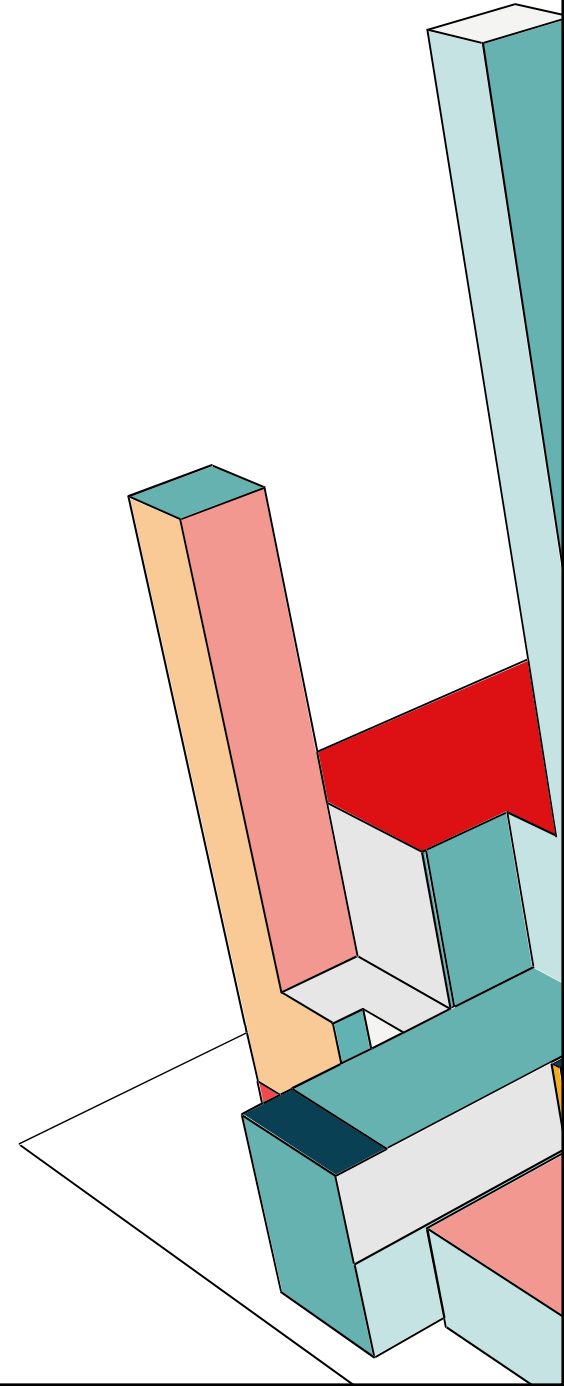
ENTERPRISE PASSWORD MANAGEMENT – BITWARDEN

CHAD BALLAY

[HTTPS://WWW.LINKEDIN.COM/IN/CHAD-BALLAY/](https://www.linkedin.com/in/chad-ballay/)

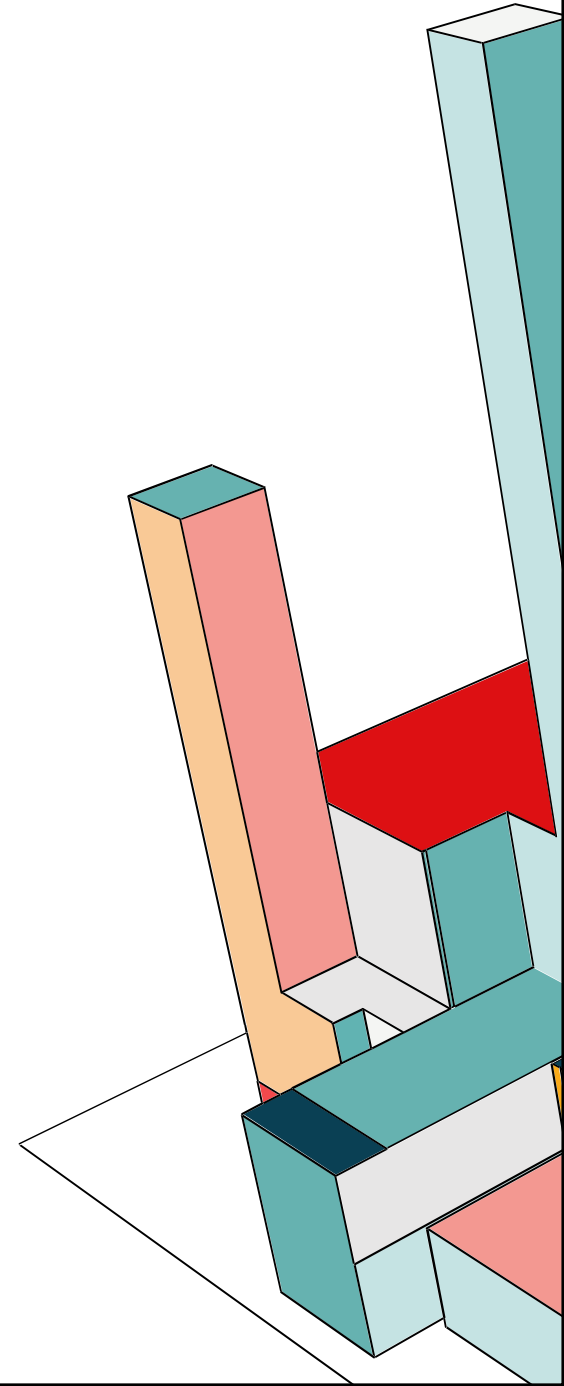
AGENDA

- Most web browsers include a password manager that comingles private and professional credentials.
- Enterprises lose control of any of these credentials once they are entered into these password managers.
- Within the workplace credentials aren't always shared in a secure manner.
- Onboarding/Offboarding of employees often is hampered by manual credential processes.



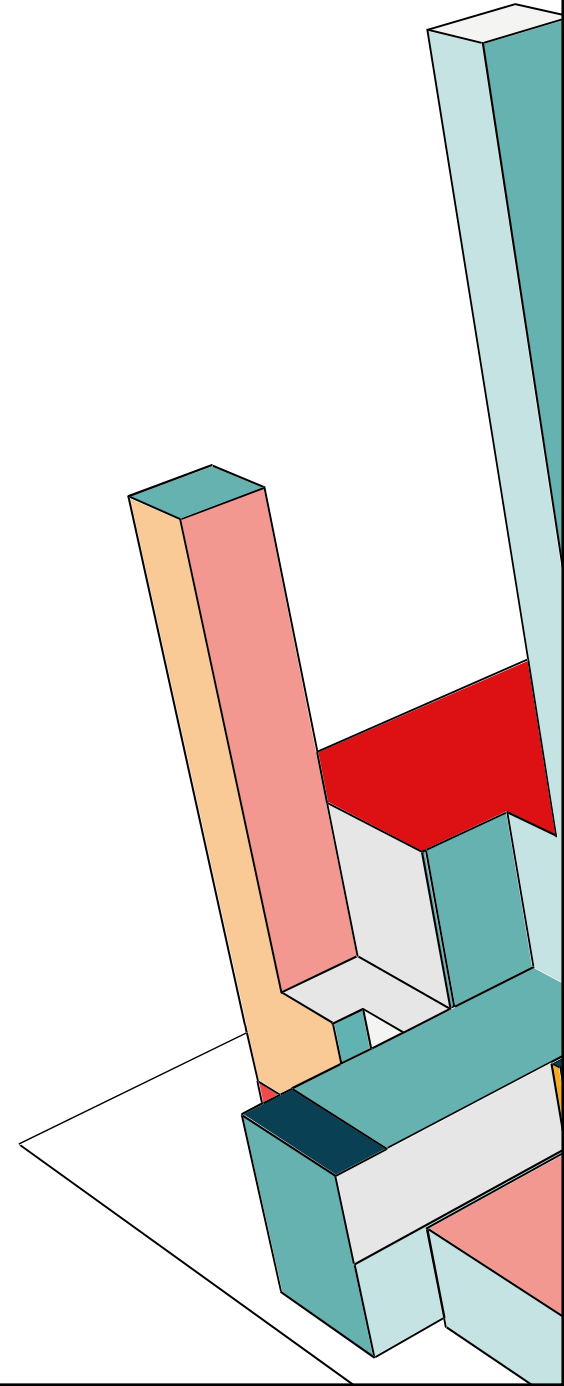
CREDENTIAL LIFECYCLE CRITERIA

- Creation of credentials
- Compliance policy check
- Allowing access to credential
- Removal of access to credential
- Rotation/Renewal of credential
- Ongoing policy enforcement.
- Deprecation of credentials



BITWARDEN SELECTION CRITERIA

- Self hosted and externally audited.
- Browser Extension, Desktop Application, and CLI utility
- Enforcement of Password Complexity Requirements
- Able to store other secrets besides userid/passwords.
- Able to securely share secrets
- Integration to Active Directory for RBAC for shared credentials
- Multiplatform ready. Linux, Windows, Mac, Chrome, Andriod, iOS, ...



SOLUTIONS

Bitwarden

Vaultwarden

Lastpass

1Password

Keeper Password

KeePass

Dashlane

NordPass

Proton Pass

RoboForm





TEST ENVIRONMENT REPO

[HTTPS://GITHUB.COM/CHAD-BALLAY/ISOLATED_LAB/](https://github.com/chad-ballay/isolated_lab/)



ENDPOINT MANAGEMENT (MDM)

* **INTUNE** - [HTTPS://INTUNE.MICROSOFT.COM](https://intune.microsoft.com)

JAMF - [HTTPS://WWW.JAMF.COM](https://www.jamf.com)

MANAGE ENGINE - [HTTPS://WWW.MANAGEENGINE.COM](https://www.manageengine.com)

JUMPCLOUD - [HTTPS://JUMPCLOUD.COM](https://jumpcloud.com)