

Identity is the Key to Supply Chain Security

Agenda

- Lab Information
- Introductions
- What is SigStore?
- Building Identity Aware Infrastructure
- Lab
- Questions & Contact Information

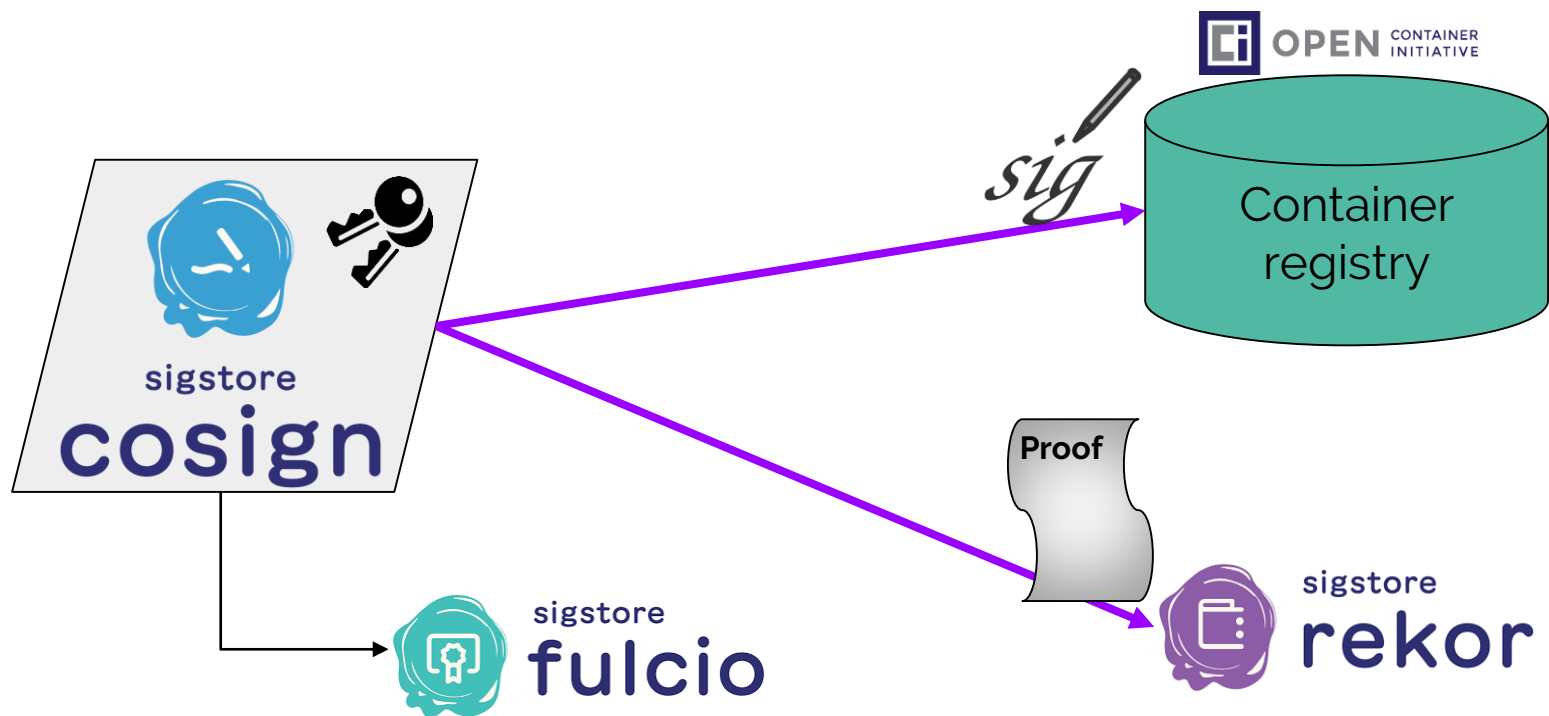
Lab Information

- <https://XXXXXX/github-register>
- Login with your Github ID
- Wait for an email to join the organization

Introductions

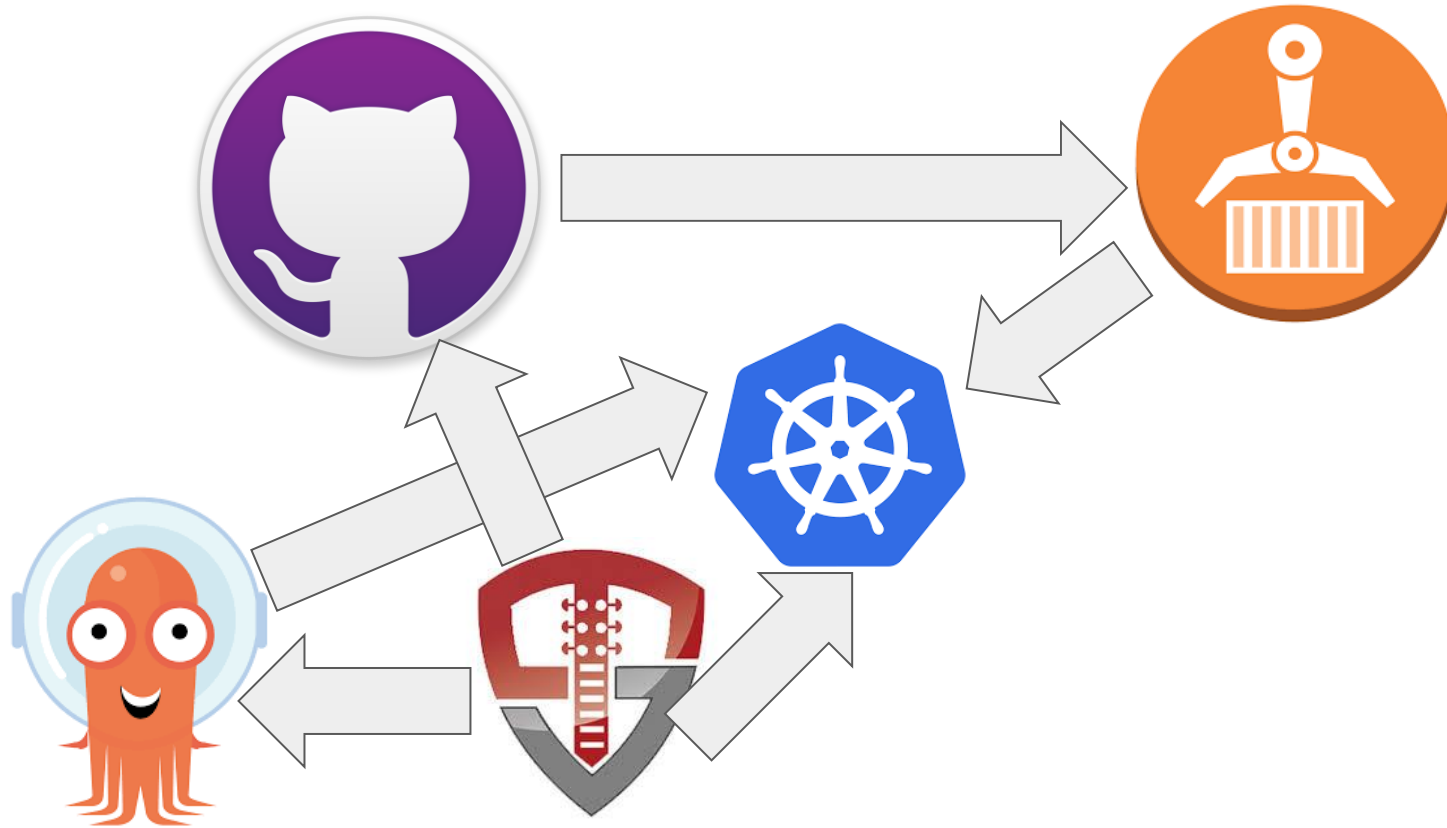
- CTO, Tremolo Security
- Identity Management Expert for 20+ years
- Experience in commercial and federal agencies
- Kubernetes since 2015
- Co-Author: Kubernetes an Enterprise Guide, 2nd Ed

What is SigStore?

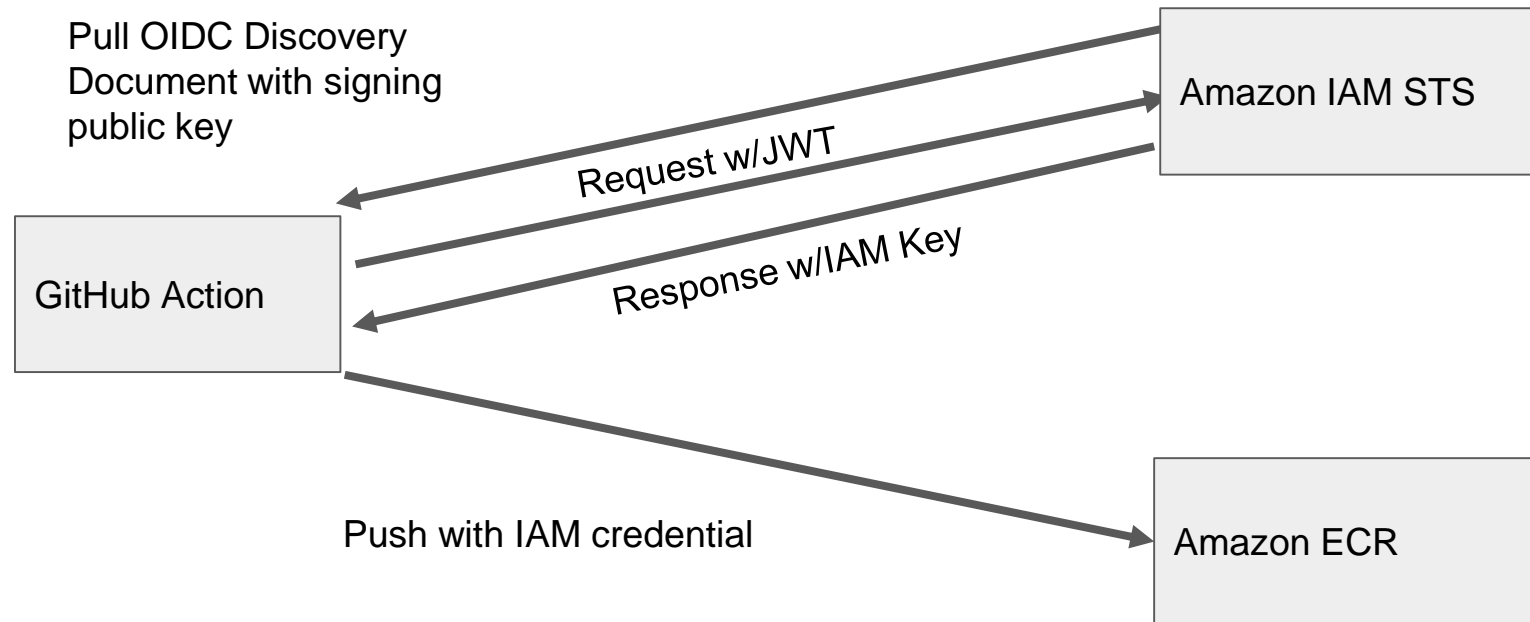


Building Identity Aware Infrastructure

Lab Environment



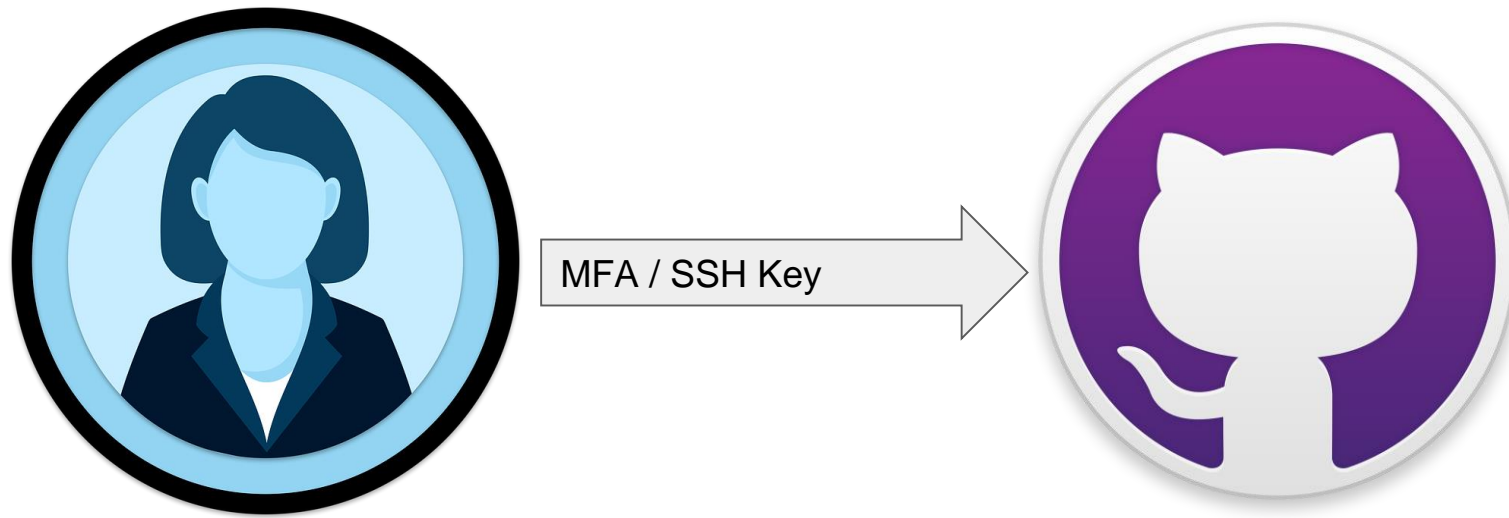
OpenID Connect in Infrastructure



Authentication Anti-Patterns

- Static tokens & passwords
- Personal access tokens
- Potentially X509 certificates

Identity Across Build Infrastructure



Identity Across Build Infrastructure



Unique JWT



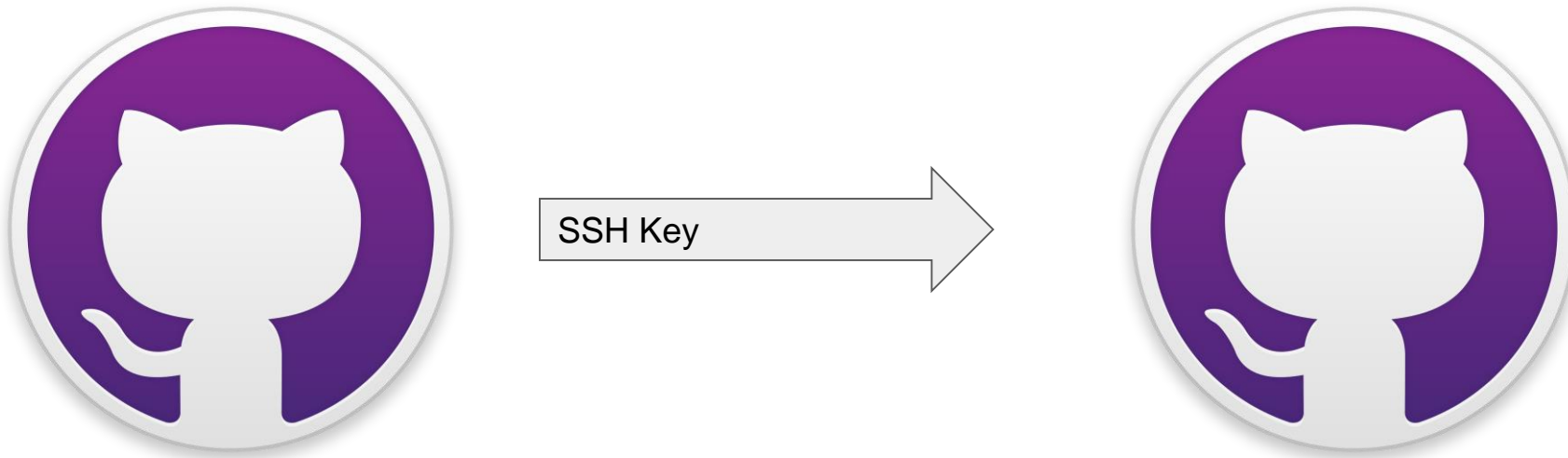
Identity Across Build Infrastructure



OpenSSH Keys



Identity Across Build Infrastructure



Identity Across Build Infrastructure



GitHub App



Identity Across Build Infrastructure



Projected Token



Identity Across Build Infrastructure



Static Token



Lab

Questions & Links

Lab - <https://github.com/TremoloSecurity/sigstore-lab>

Hands on IdM in K8s -

<https://identiverse.gallery.video/detail/videos/developer/video/6184750057001/hands-on-identity-in-kubernetes>

K8s Security 101 - <https://youtu.be/LmBQhcGdycY>

Where to find me?

Twitter - @mlbiam

Mastodon - @mlbiam@fosstodon.org



THANK YOU!

Title only slide

Click to add title over photo

**Text on left
content on right**

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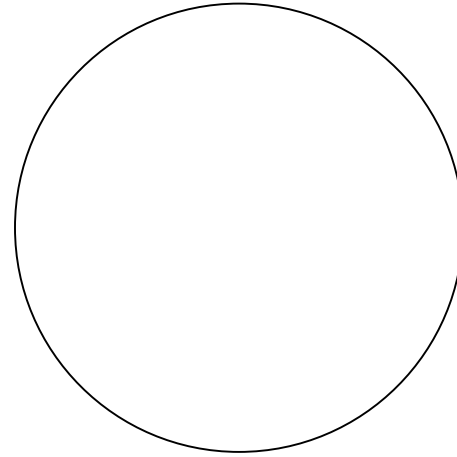
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Thank you!



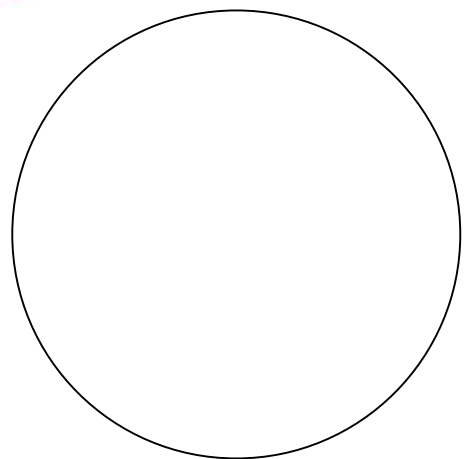
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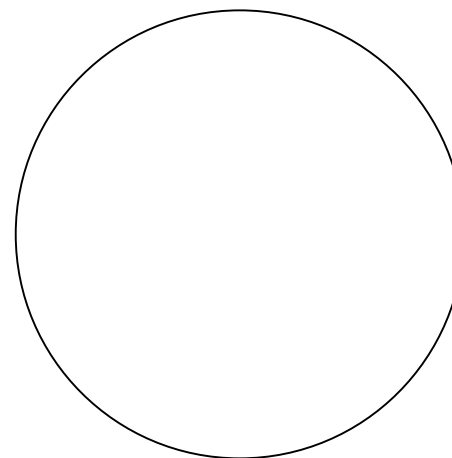
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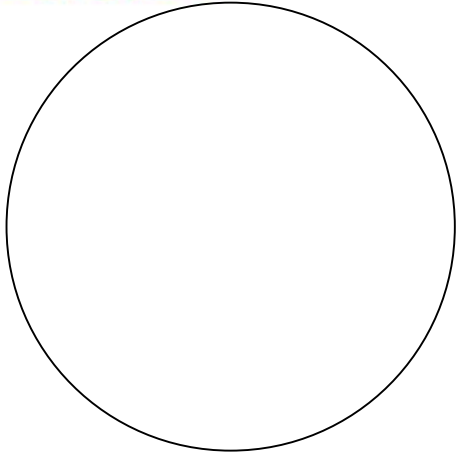
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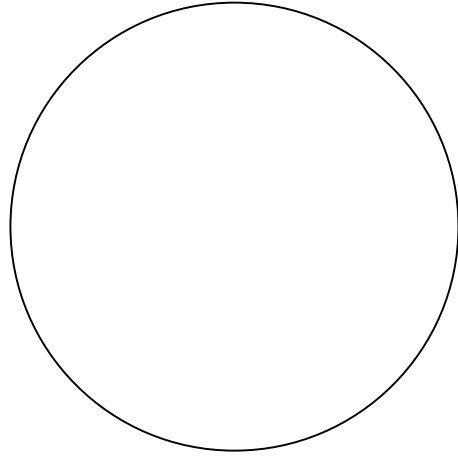
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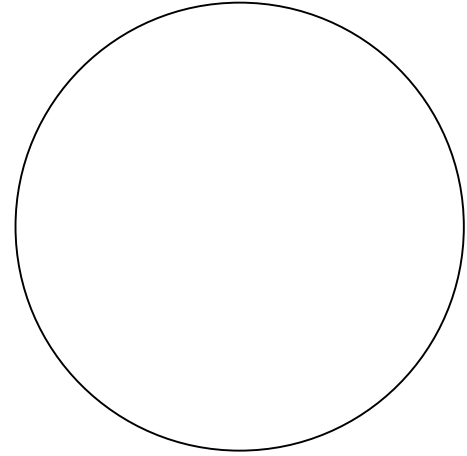
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