

RSA® Conference 2019

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BETTER.

SESSION ID: SEM-M04C

Securing Code: Lessons, Practices, Advice

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VP of Engineering

About Me



NETFLIX

YAHOO!



- In Industry for 20+ Years
- Architecture and Security
- Automation & Orchestration



Agenda

- Problems With Adding “S” to SDLC
- Possible Solutions
- Emerging Tech
- Ways To Apply

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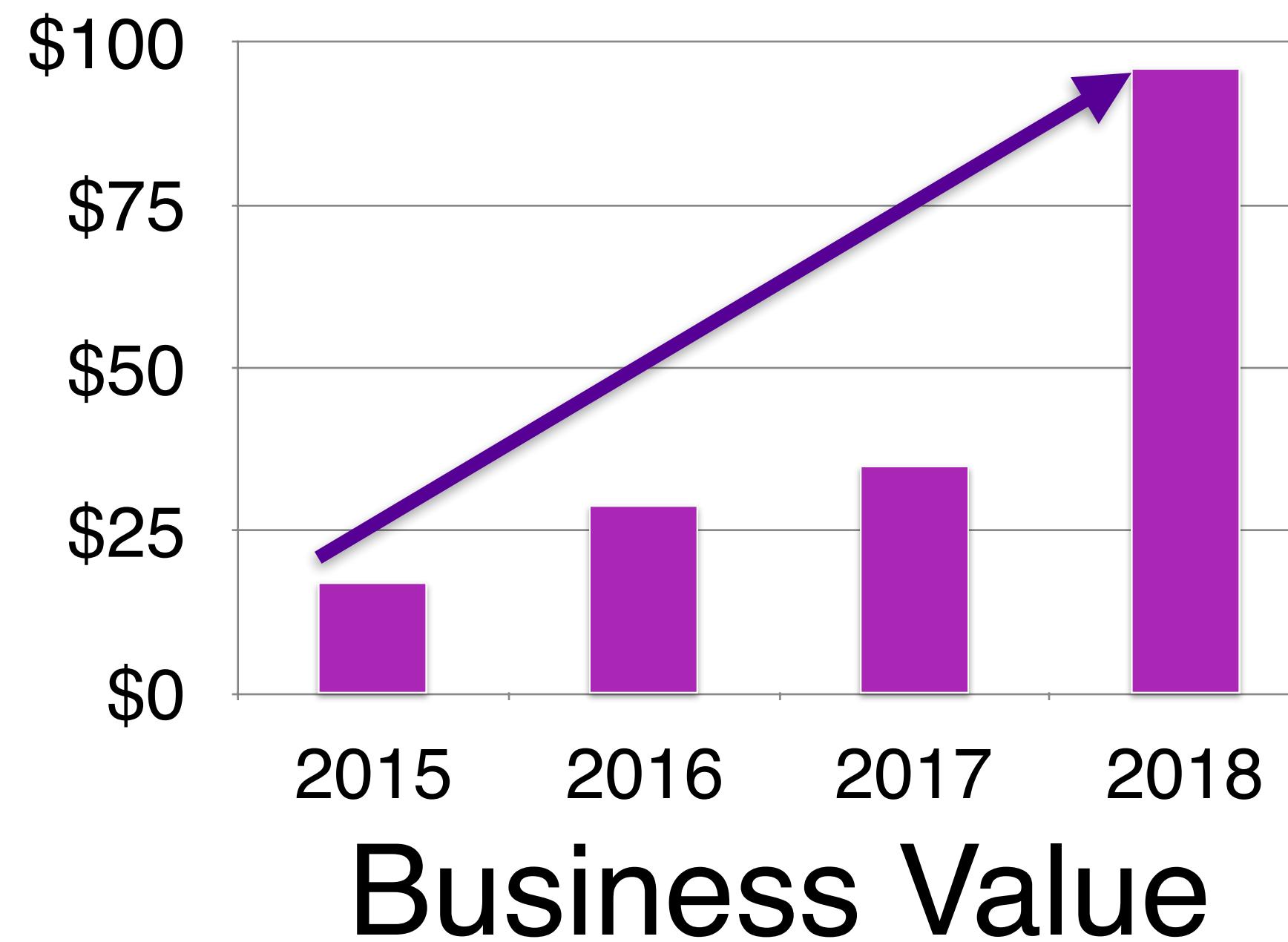
Problems With Adding “S” To SDLC

The People, The Process, The Technology

Adding “S” To SDLC is HARD!



Technology Adoption: Business Decision Making



&



Employee Value

Technology Adoption : Business Value



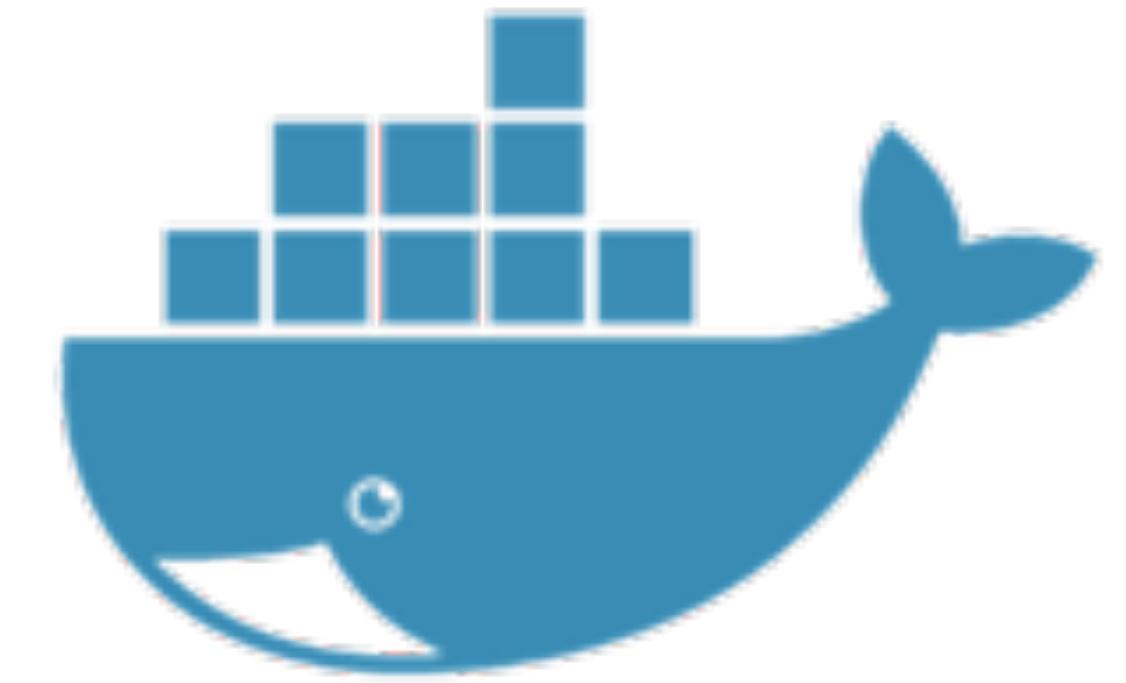
- Protect Top-line & Bottom-line Revenue
- Faster Product to Market
- Improved Productivity
- Operational Efficiency

Technology Adoption : Employee Value



- Attracting & Keeping Top Performers
- Feel Empowered To Help Business
- Ability To Innovate & Have Impact
- Community Collaboration

Technology Adoption : Examples



Technology Adoption : Accelerating Convergence



Even Faster Adoption!

Technology Adoption : Opposing Forces

Who Wins?

Business &
Employee Value

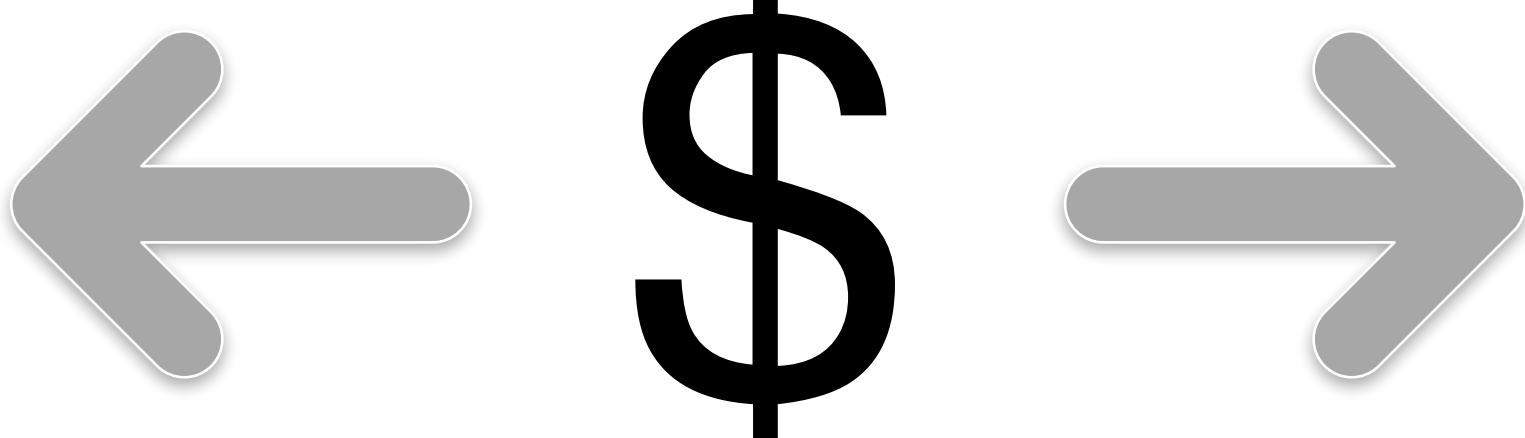


Security Risk

Technology Adoption : Opposing Forces



Business &
Employee Value



Security Risk

Company Culture

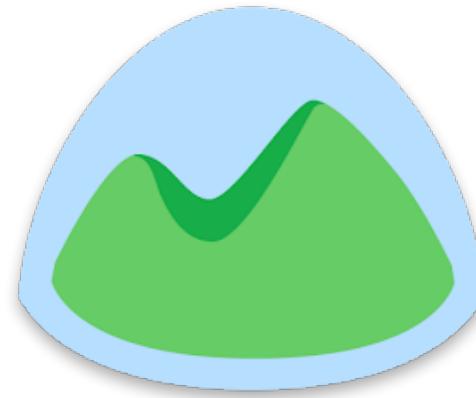
company culture

teamwork frame respect
honesty sign morality honest
target principles moral
ethics analysis excellence
industry policy
accountability
vision
culture choice
beliefs quality
integrity
core
compliance priority
service
organizational accountable
goal
innovation

Company Culture

NETFLIX

Company Culture



NETFLIX

Etsy



GitLab

Company Culture



Finding The Uncomfortable Zone



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Possible Solutions

The People, The Process, The Technology

Possible Solutions : Technology Convergence!



Open Source

- More OSS Security Solutions Than Ever Before
- Community Supported
- BurpSuite, Metasploit, Arachni, Etc.
- Give Back!

Possible Solutions : Technology Convergence!



Open Source



3rd Party Vendors

Possible Solutions : Technology Convergence!



Open Source



3rd Party Vendors



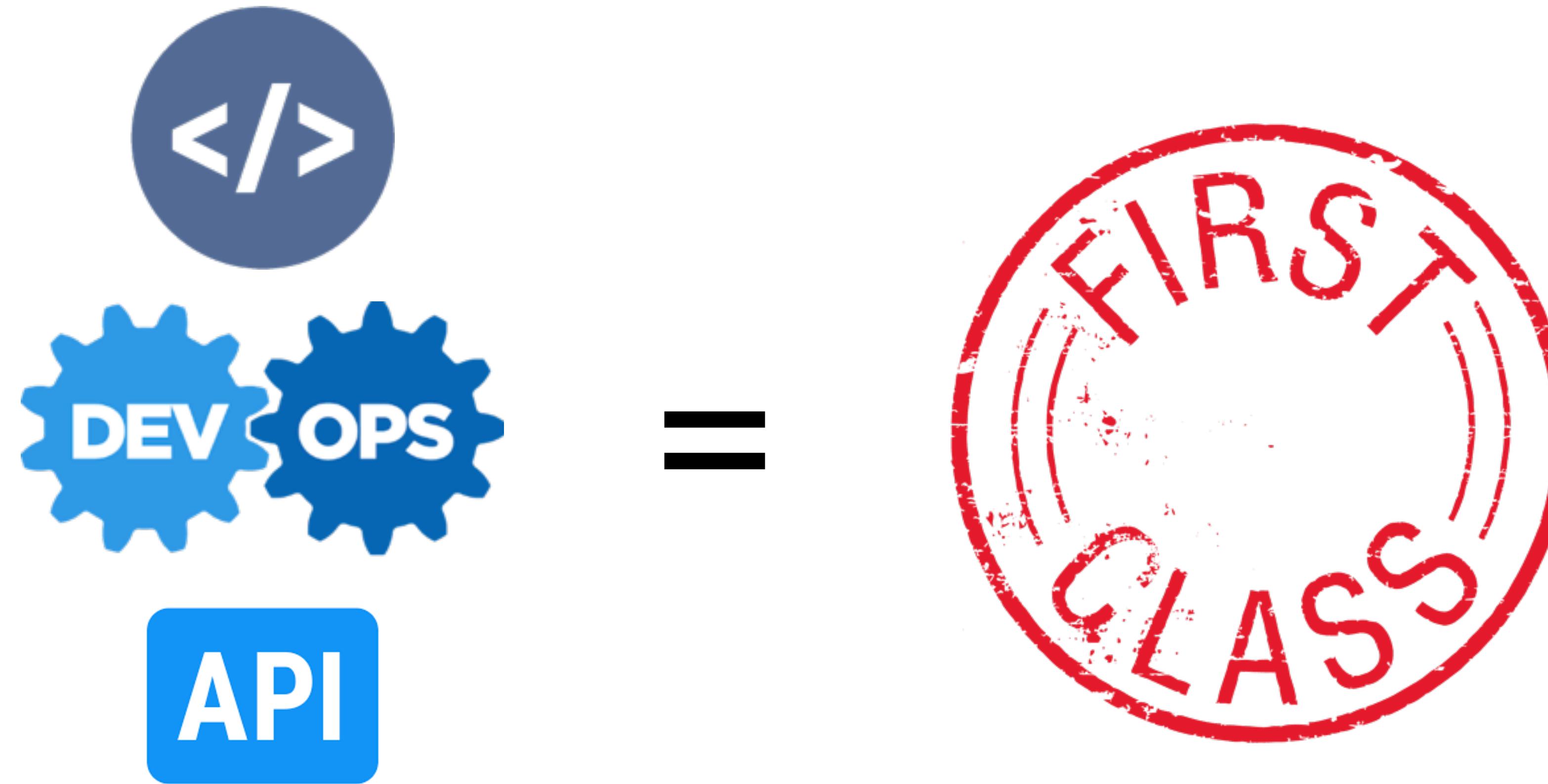
Automation

Possible Solutions : The People



- Learn To Code
- Get Involved In The Community
- Hire Software Engineers
- No, They Don't Need To Know Security
- Build What Vendors Don't

Possible Solutions : Make Security 1st Class Citizen



Possible Solutions : Business Driven Approach



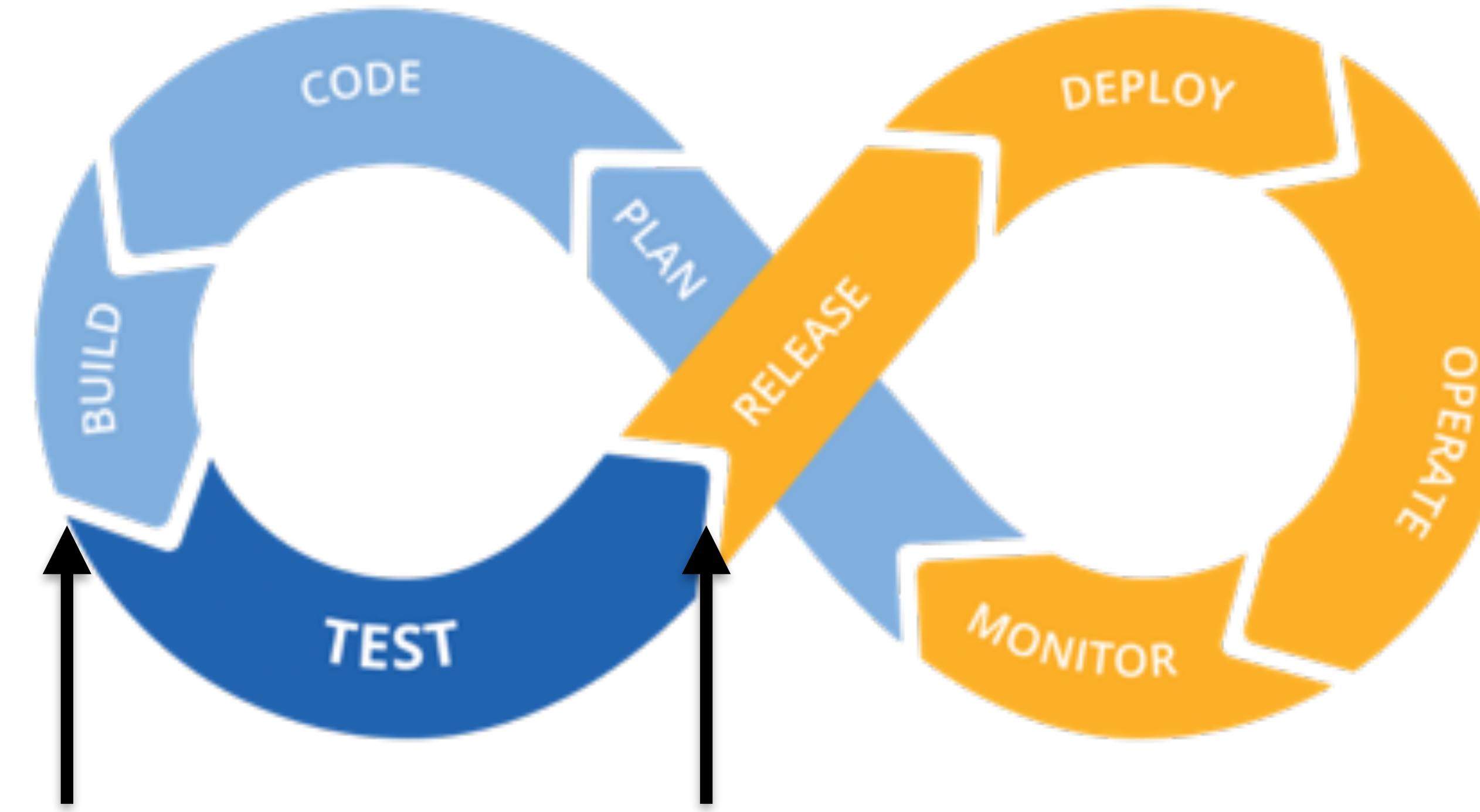
Learn To Have a Business Conversation

Possible Solutions : Business Driven Approach



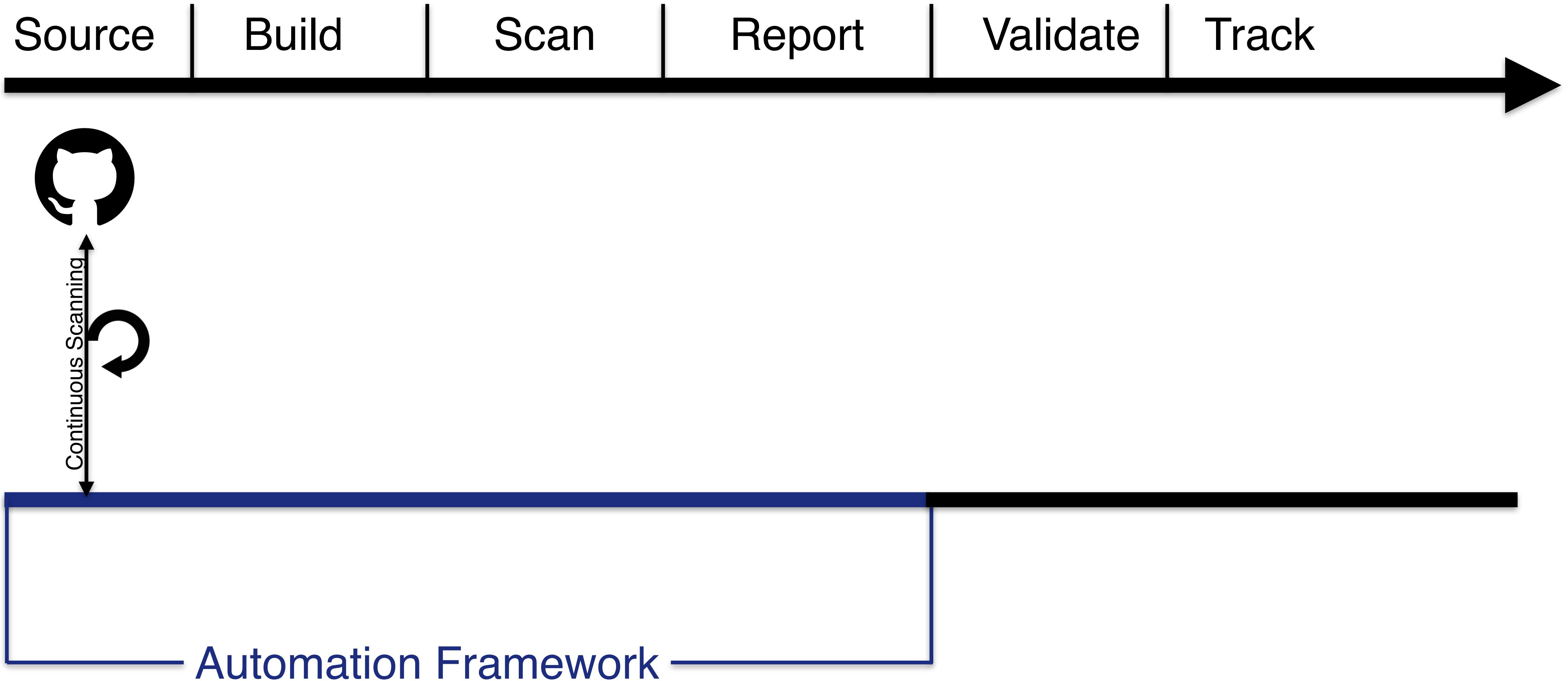
Secure Areas Tied To Business Value

Possible Solutions : Technology Convergence!

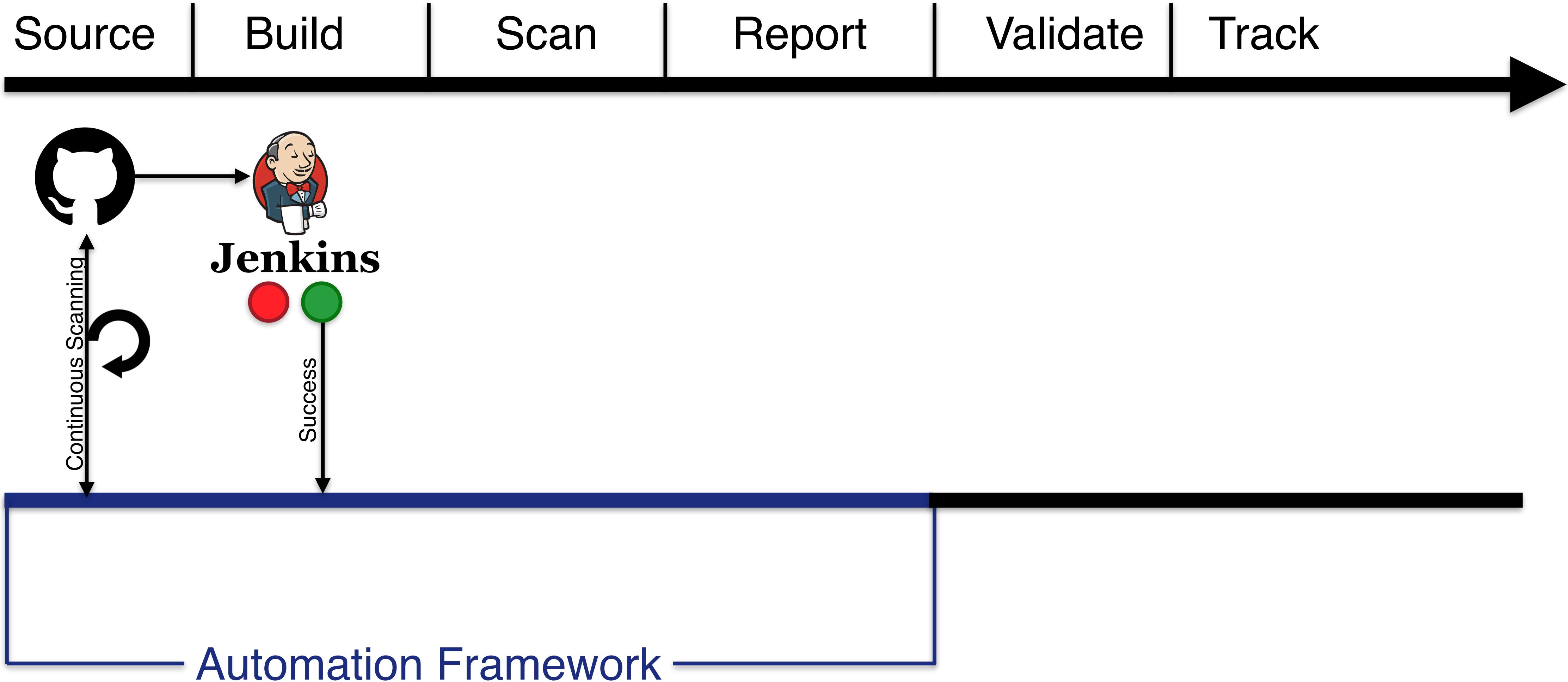


Build Security Here!

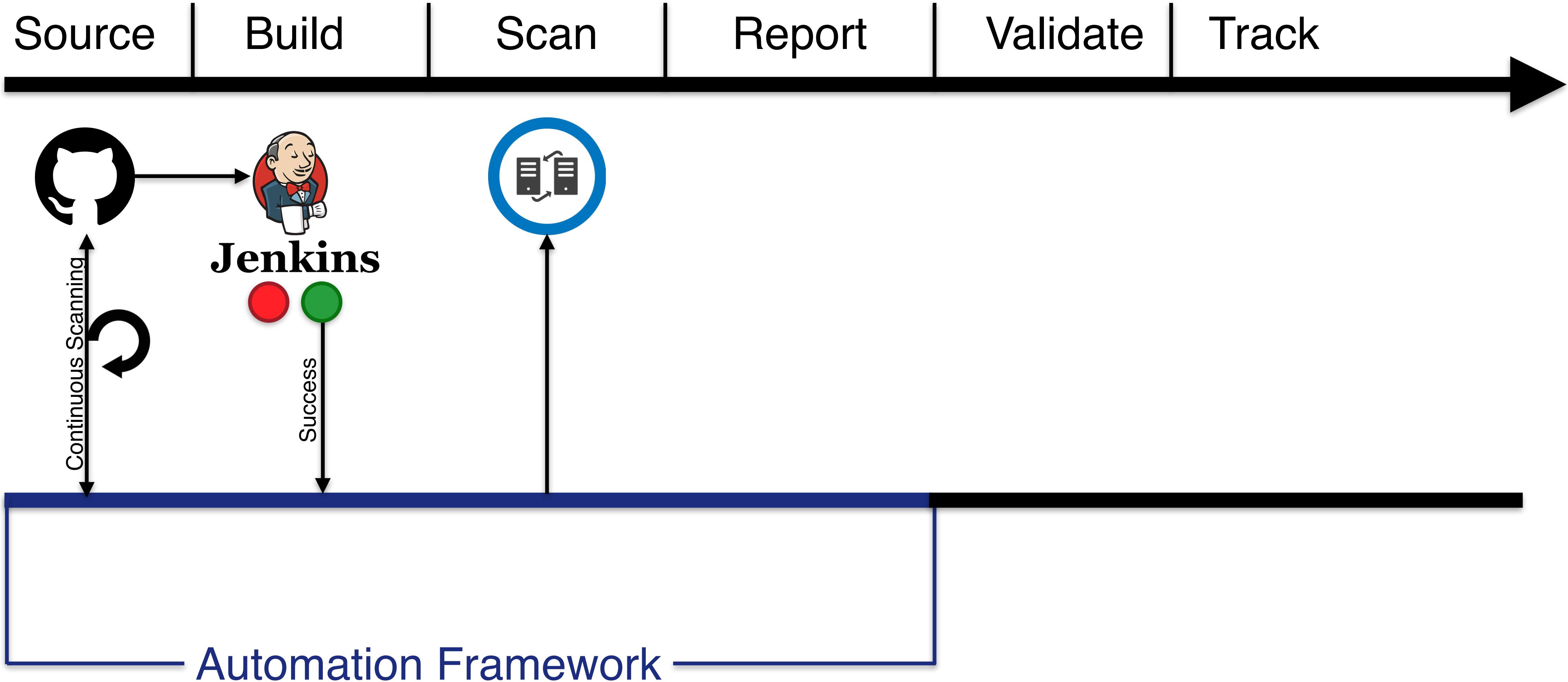
Possible Solutions : Idea Convergence!



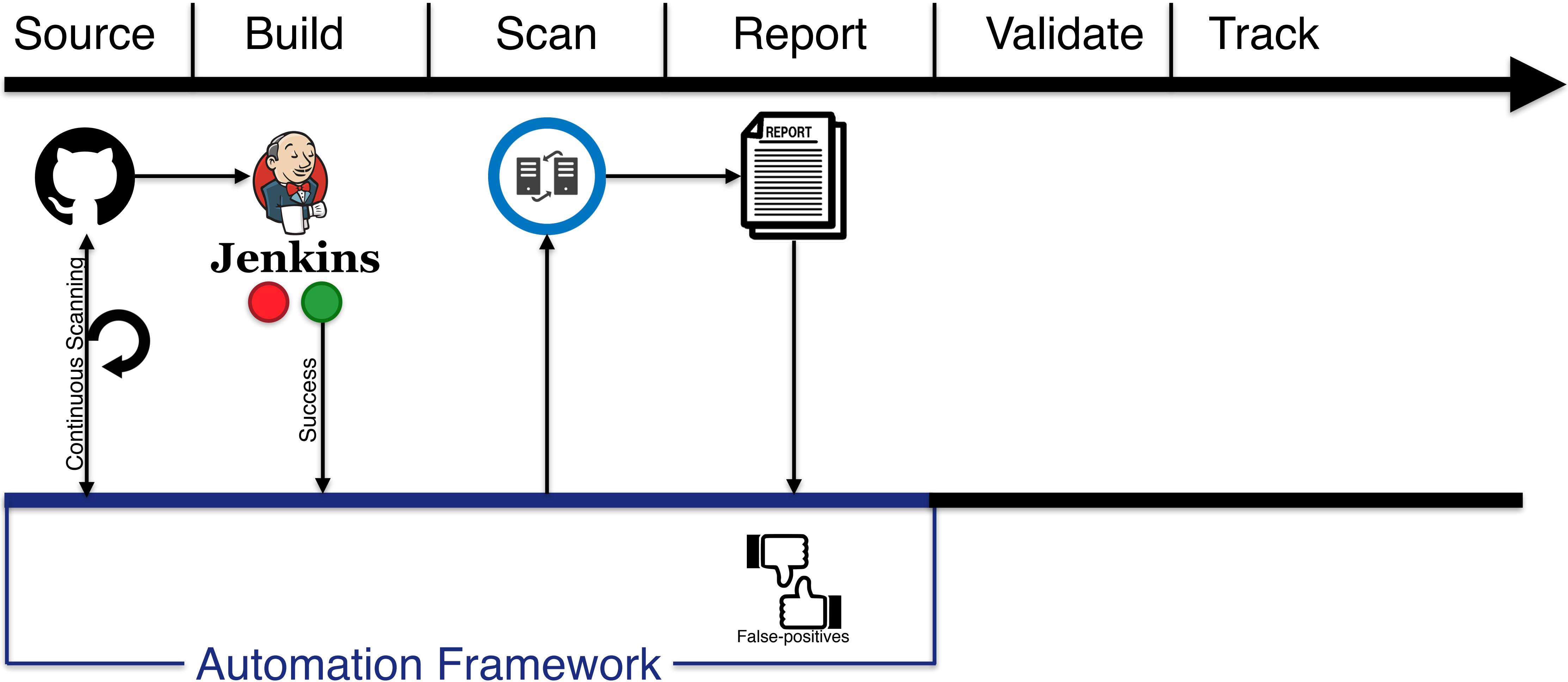
Possible Solutions : Idea Convergence!



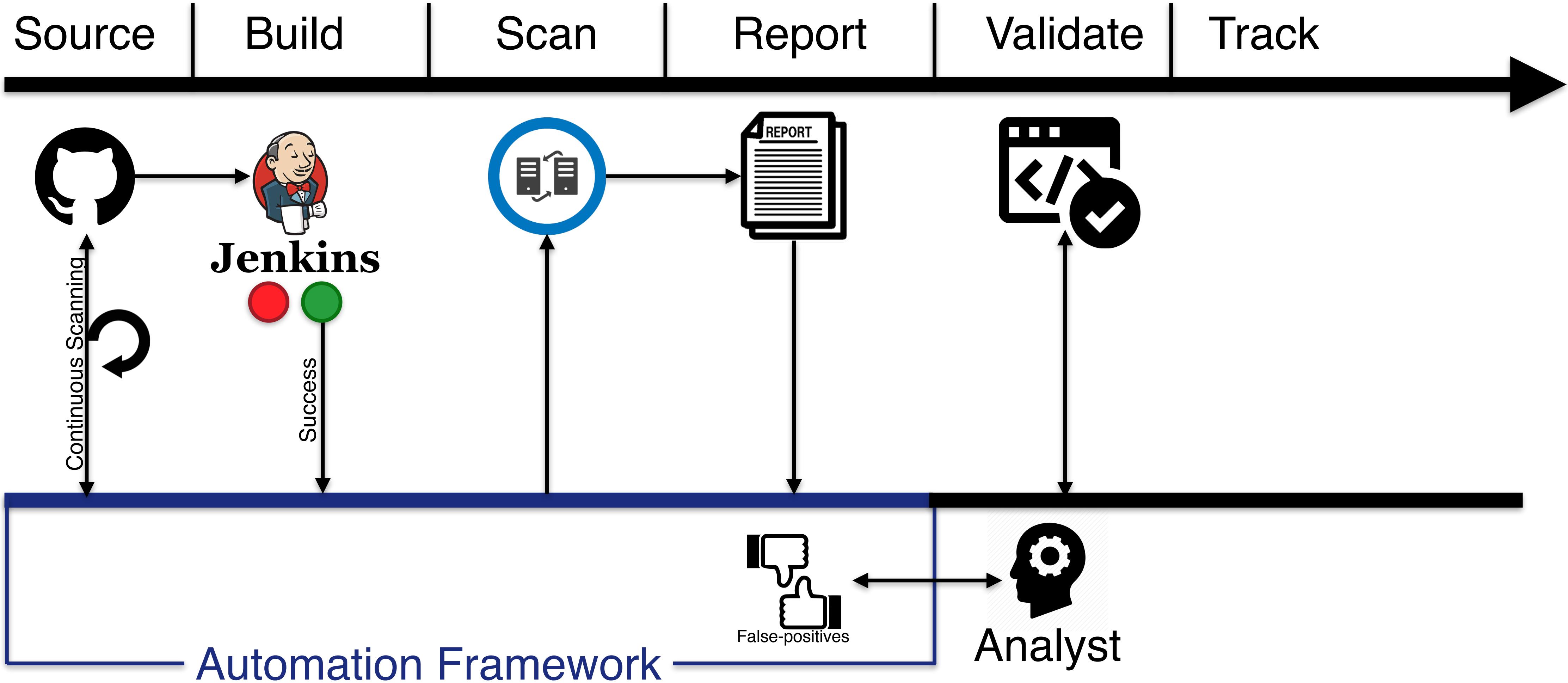
Possible Solutions : Idea Convergence!



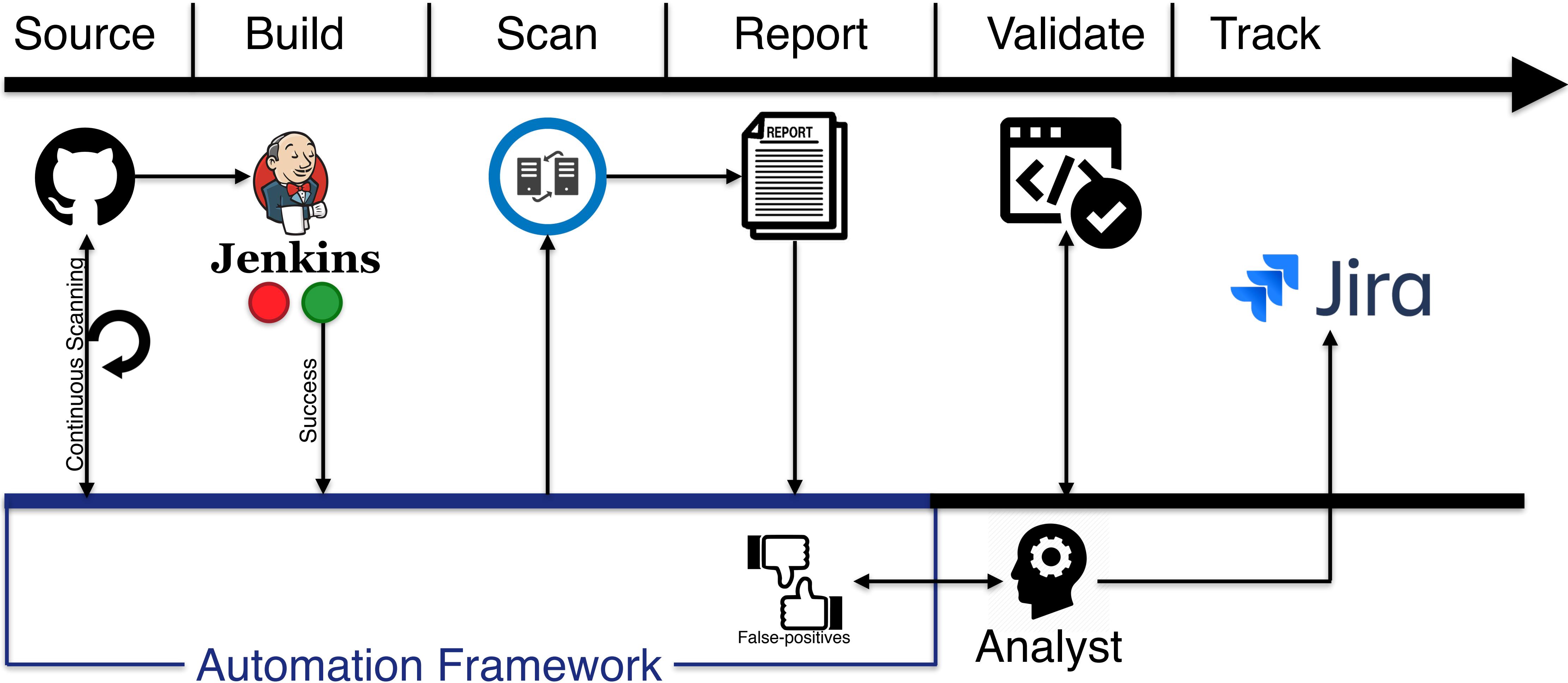
Possible Solutions : Idea Convergence!



Possible Solutions : Idea Convergence!



Possible Solutions : Idea Convergence!



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Emerging Technology

The People, The Process, The Technology

Emerging Technology

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Ways To Apply

The People, The Process, The Technology

Ways To Apply

- Align With The Business
- Work The Way Your Software Teams Do
- Don't Fear Change, Adopt Technology Accordingly
- Learn To Code & Think Different About Hiring
- Have Business Conversations

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Q&A

Thanks you!

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