

DevSecOps Days Washington, D.C.

The Art of Enabling Engineering Excellence and DevSecOps

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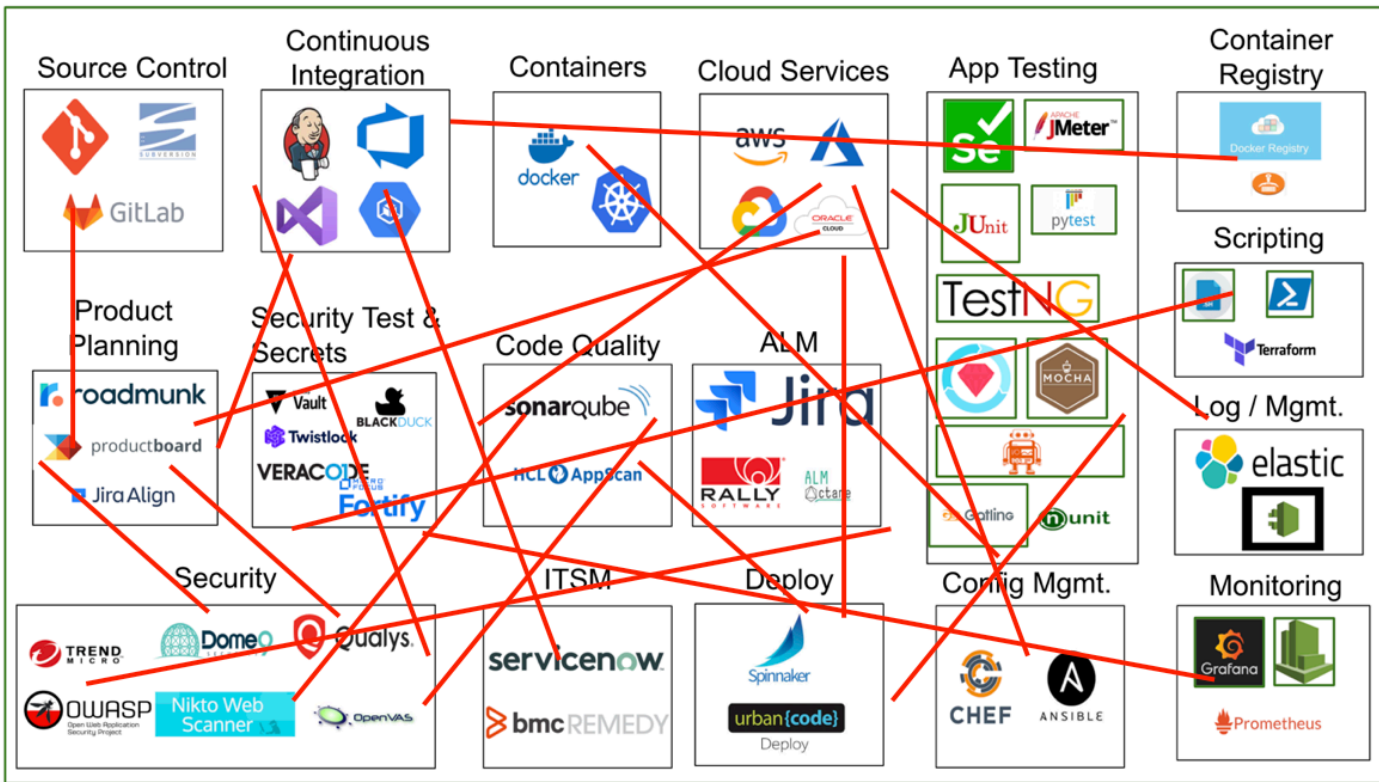
Agenda

- Challenges faced by Engineering and Security Leaders
- Best Practices Driven Software Delivery & Continuous Improvements
- Use Case – “The Art of Enabling Engineering Excellence and DevSecOps”

The Art of Enabling Engineering Excellence and DevSecOps

Engineering Excellence

It is hard to get a unified view of Software Engineering today since the tool's landscape is TOO COMPLICATED



Challenges Faced by Engineering Leaders Today



Developer Productivity

What are the bottlenecks hampering developer productivity?



Best Practices

What are the best practices adopted by other top teams that I can learn from and start applying?



Velocity

How do I increase feature velocity effectively?



Code Quality

What are the areas for improving product and code quality?

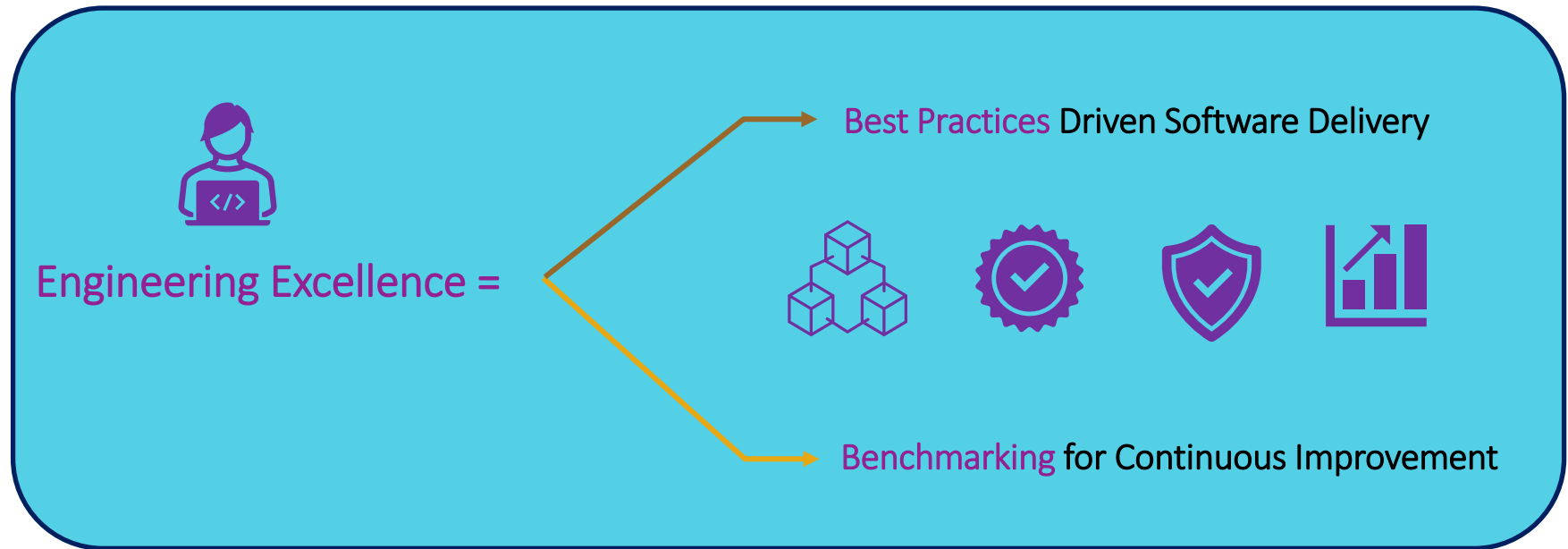


Improve Security

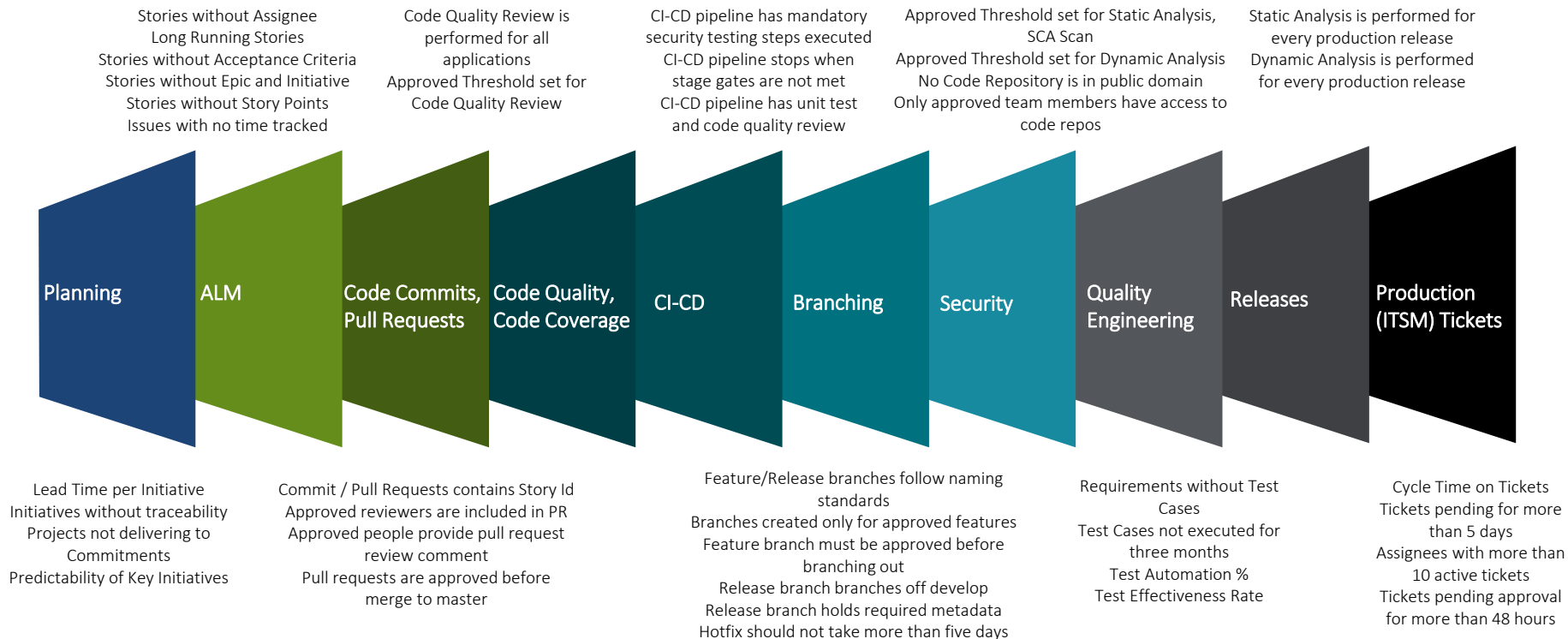
How do I secure my software without choking my developer bandwidth?

What is Engineering Excellence?

1. As an Engineering Team, how can we maximize the **Business Value** generated?
2. As an Enterprise, how can we **Continuously Improve**?



Best Practices Driven Software Delivery



Benchmarking for Continuous Improvement

Personas

CIO / CDO / CTO / CPO

Product Manager

QA / QE Manager

DevOps Manager

Engineering Manager

Security Officer

Compliance Officer

SRE

Function

Budgeting / Planning

ALM

Testing

CI-CD

Code Commits, Branching, Code Quality

Security

Compliance

ITSM

Key KPIs

Planned vs Actual, Cost Overrun, Predictability

Mean Time to Change, Cost of Change, Efficiency, Throughput

Defect Density, Defect Leakage, Test Effectiveness, Test Failure

CI-CD Maturity, Mean Time to Recovery, Build Failure Rate

Commit Frequency, Branching Gaps, Code Quality Score

Org Risk Score, Application Risk Rating, SAST / DAST / SCA Score

Compliance Score, Top Non-Compliant Items

Mean Time to Resolve, Mean Time to Respond

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DevSecOps

Today's Security Leaders are up against these Key DevSecOps Challenges



DevSecOps Maturity

How do we Measure the Current Level of DevSecOps Maturity?



Minimizing Developer Effort

How do we Minimize Developer Efforts on DevSecOps Implementation and Vulnerability Remediation?



Compliance

How do we Guarantee and Prove DevSecOps Compliance?



Standardized DevSecOps

How do we Standardize DevSecOps Across Multiple Agile/Product Teams

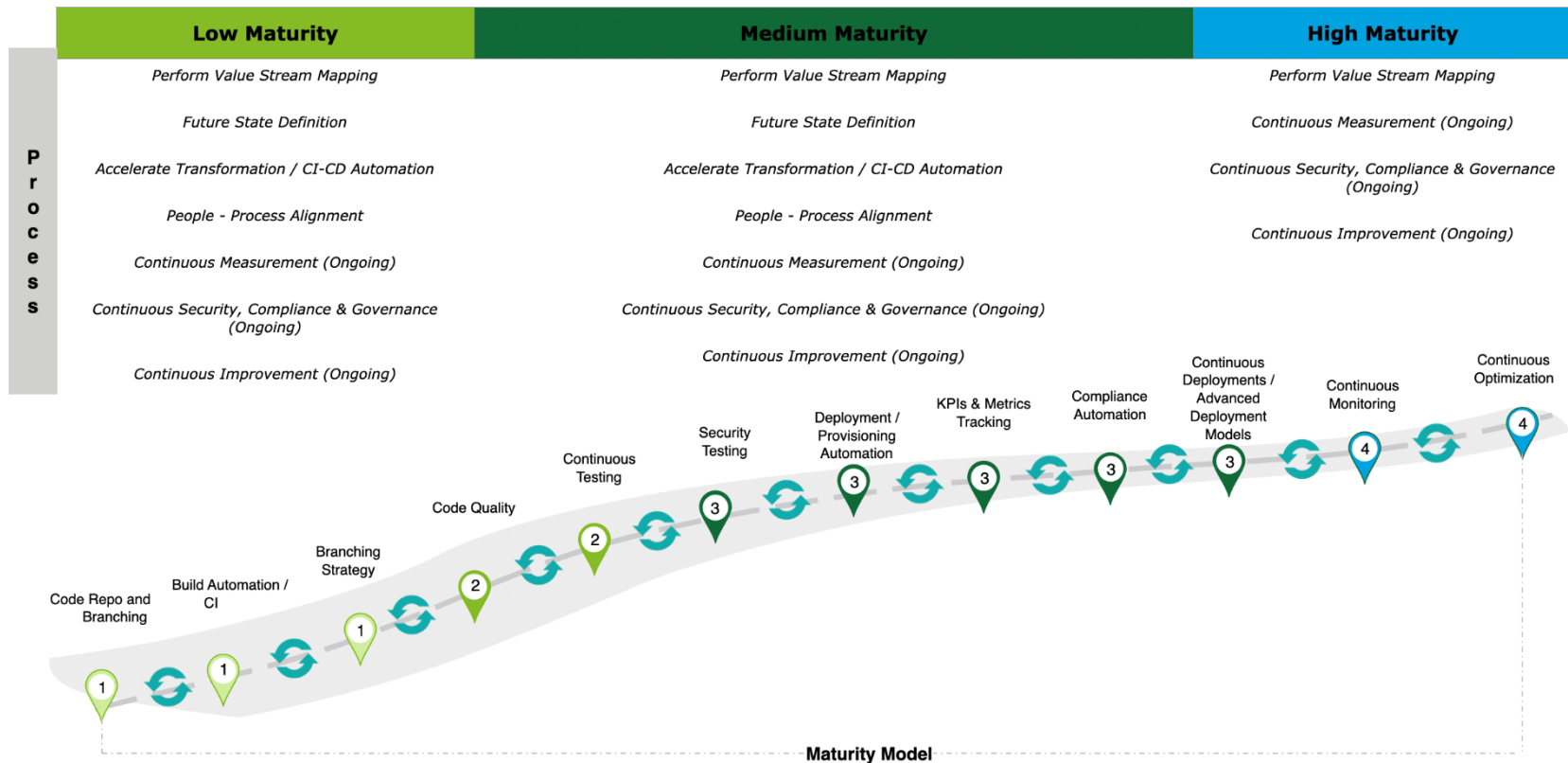


Vulnerabilities and Risk

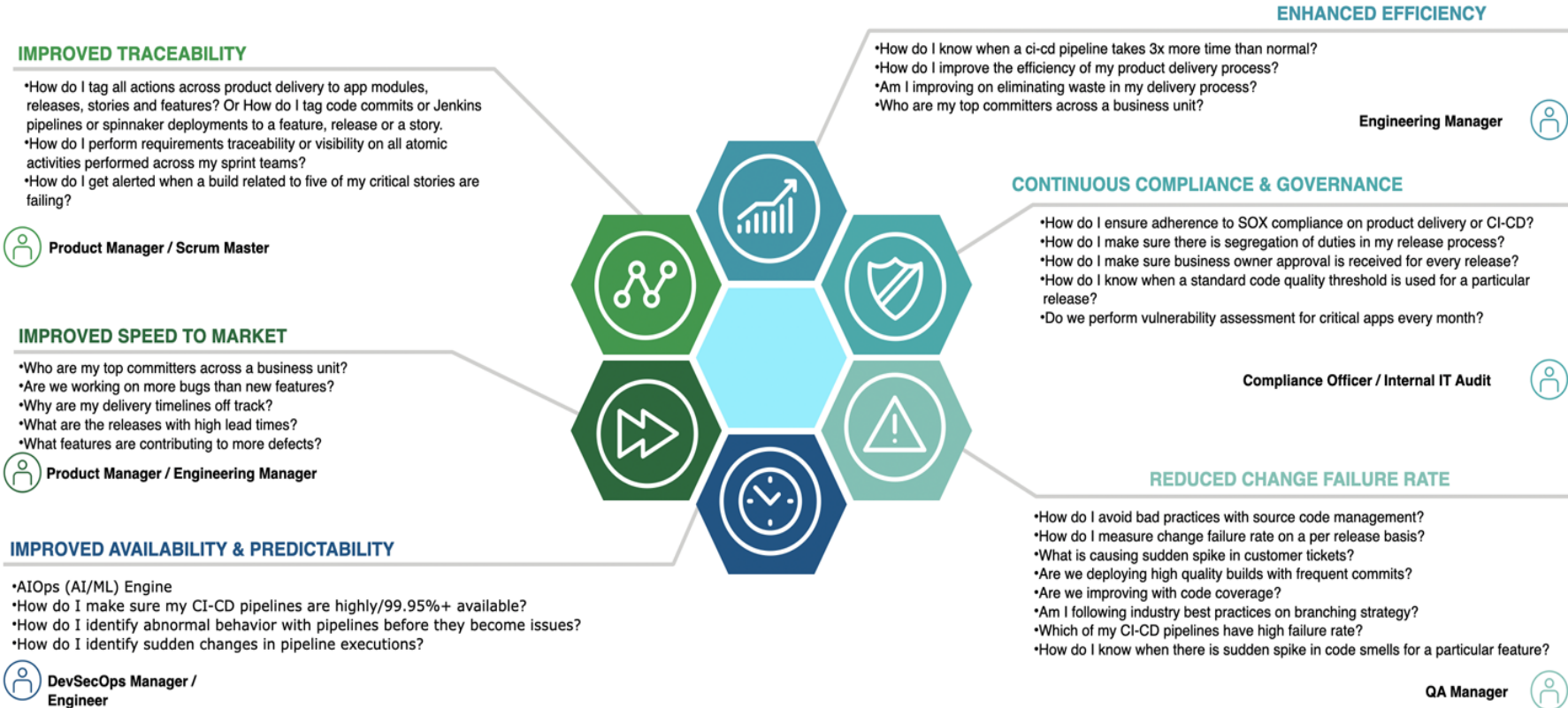
Knowing the Current State of DevSecOps Vulnerabilities and Risk



DevSecOps Maturity Assessment



Generate Insights Across Six Value Domains using KPIs and KRIs



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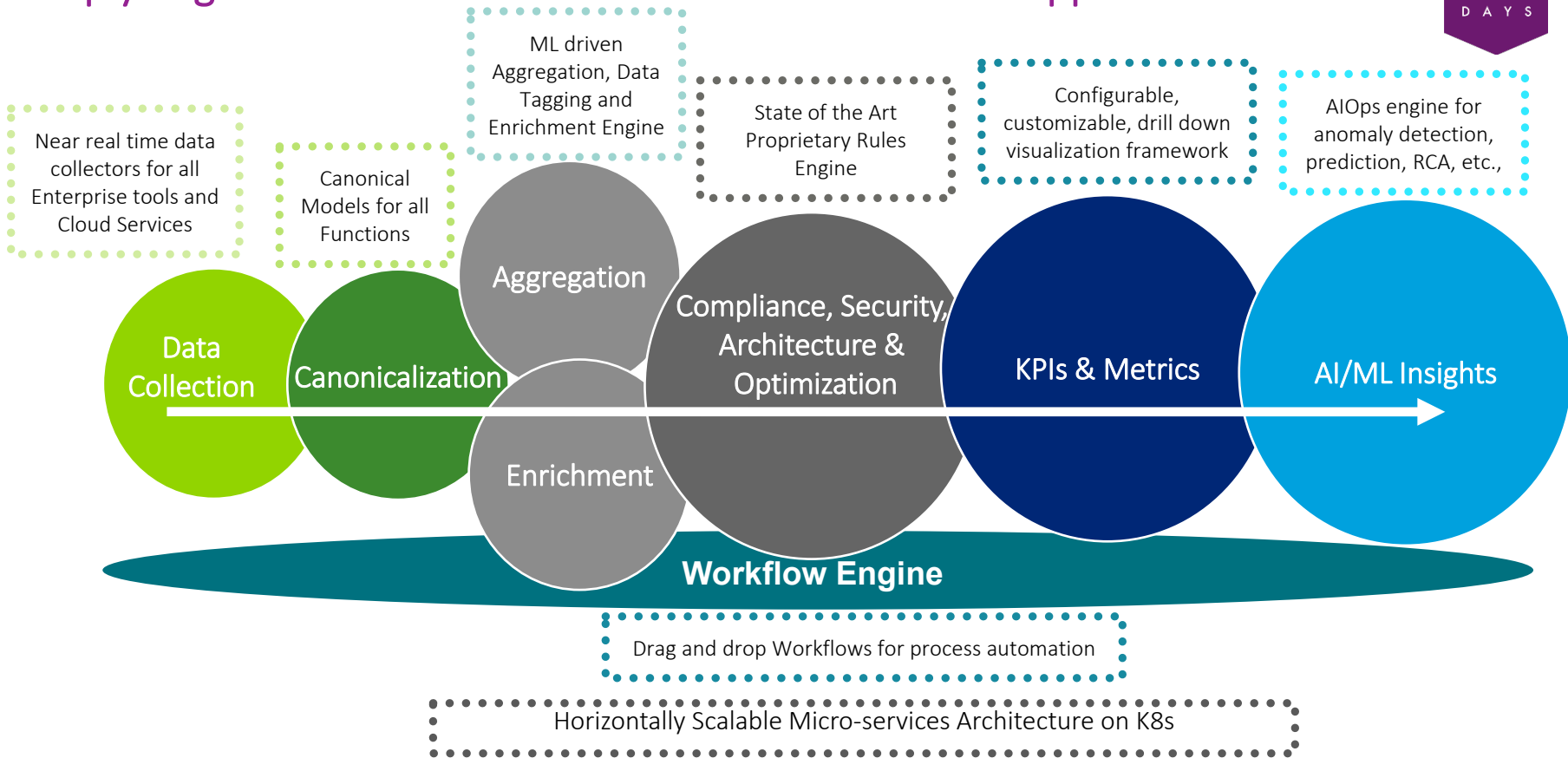
Use Cases

Enabling the Art of Engineering Excellence and Matured DevSecOps



AllOps Simplification

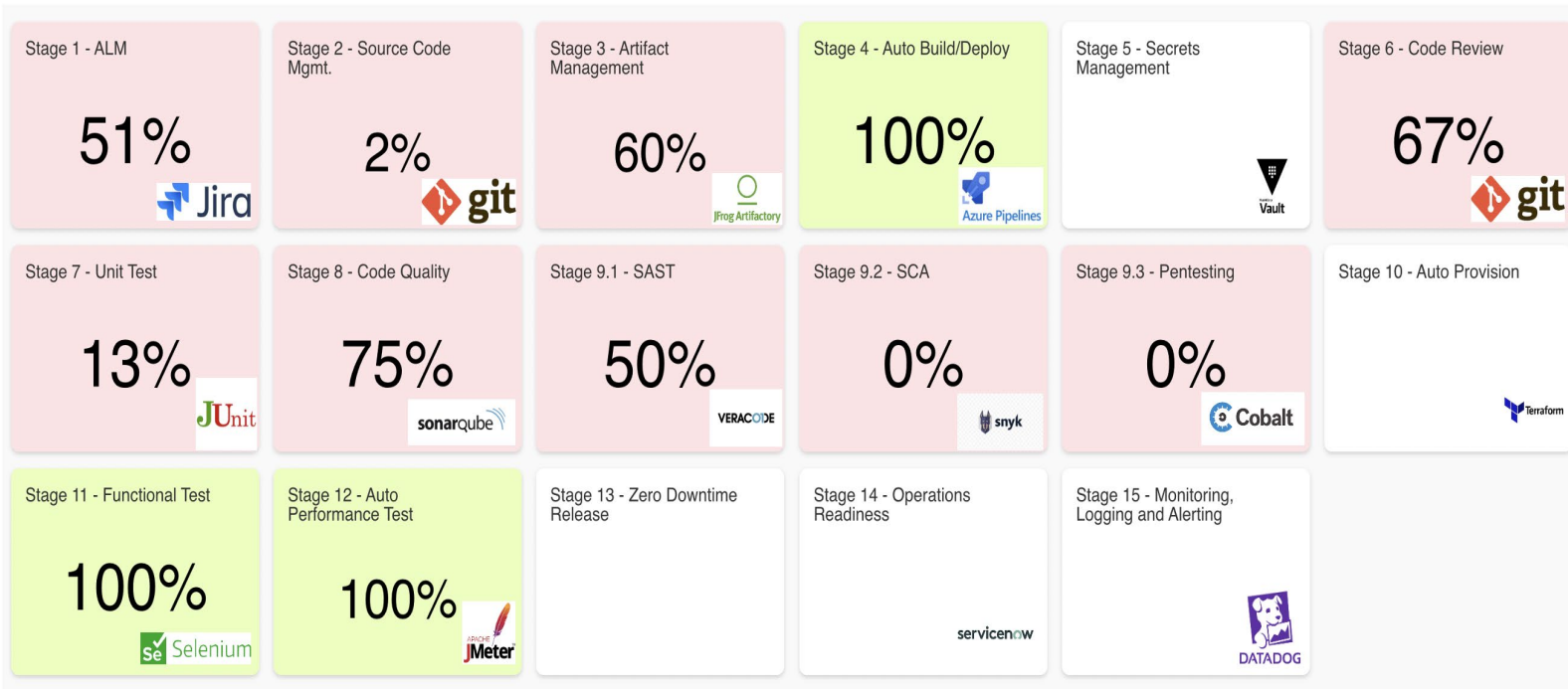
Deeply Engineered Framework makes this SIMPLICITY Happen



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ALM Stage Gate Governance

Shift Security Left Effectively with near real-time Visibility and Governance



Use near real time view of stage gates through the lifecycle of software delivery at the org, business unit and application level

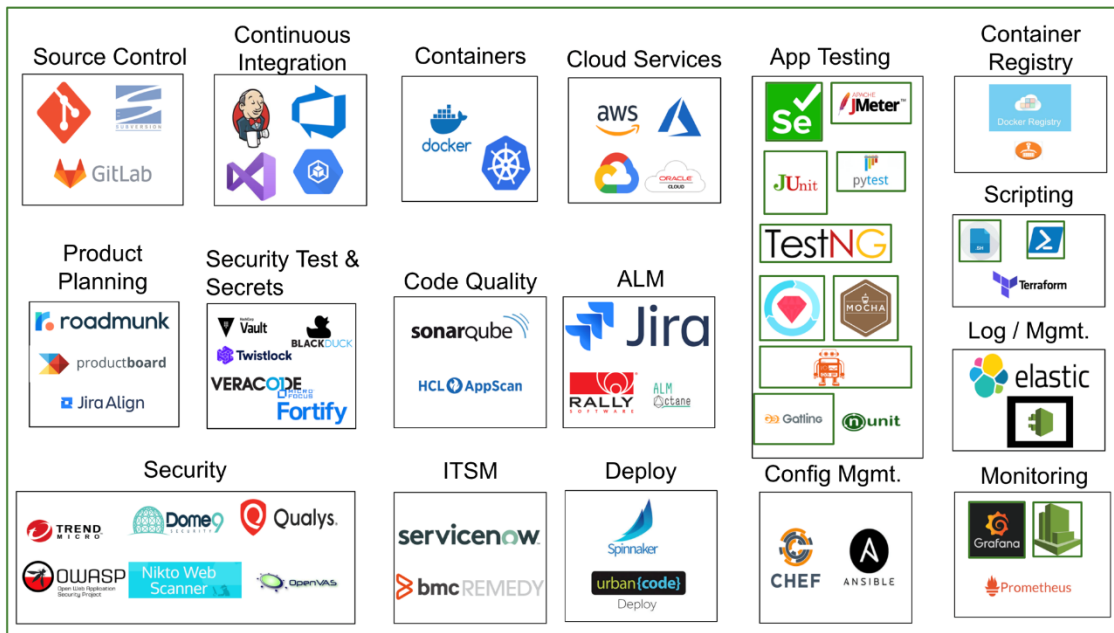
Big Picture of Enabling Engineering Excellence and DevSecOps

60+
Tools
Integrated

200+
Cloud
Services
Enabled

100+
Design Best
Practices

1200+
Data Points
Canonicalized



600+
APIs
Integrated

500+
Security
Policies

20+
AI/ML
Models

350+
KPIs & KRIs

Contact Information



Presenter

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