Top CI/CD Patterns for DevOps Teams

Presented by:

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Evangelist / Harness

Suffered from FoD – Fear of Deploying
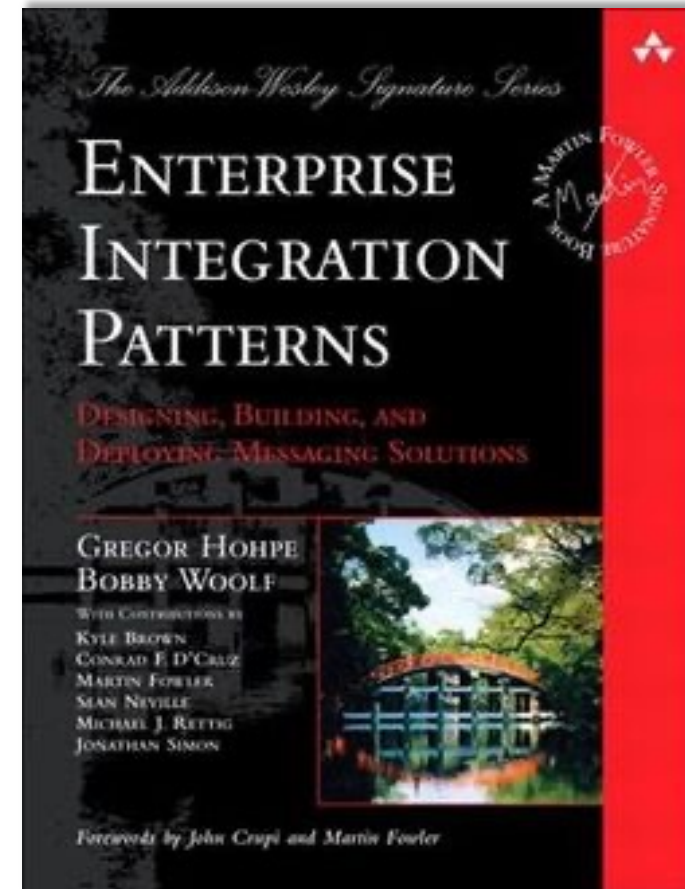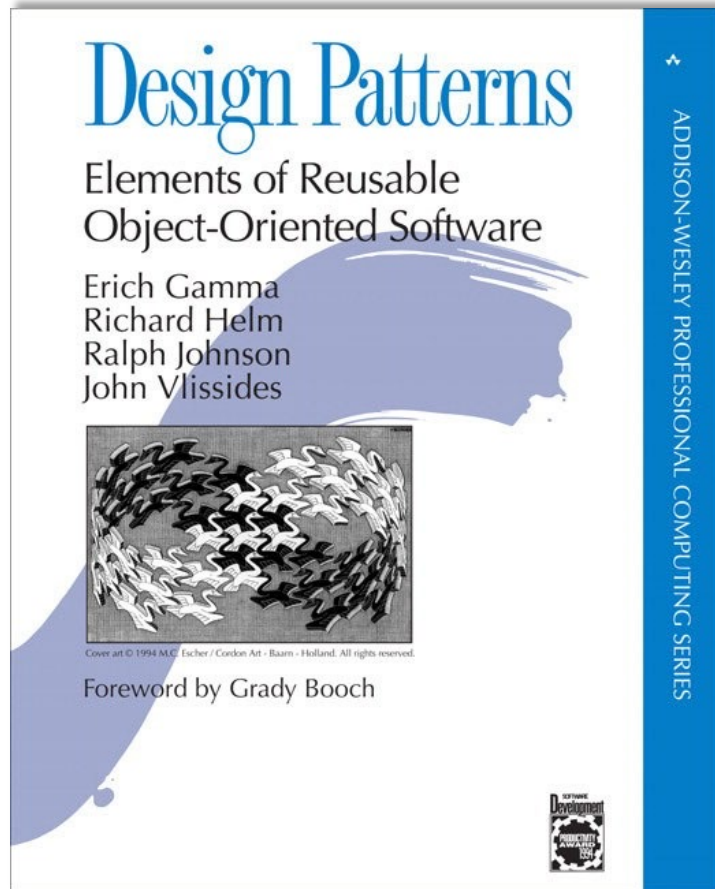
Believer of Patterns

What are we talking about?

- Why the Need for Patterns

- Common CI/CD Patterns

- Antipatterns to Avoid

Why Patterns?

Software is About Patterns

Time For a New Job!

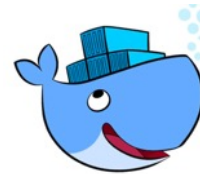# How To Grow Your Career

WineForPets.com

Bulge Bracket Bank

Come Work For Us, Developer!

Looking For Devs with:

Software Engineering of Days Gone By

Software Engineering Today

Who Owns the Deployment? – Conway's Law
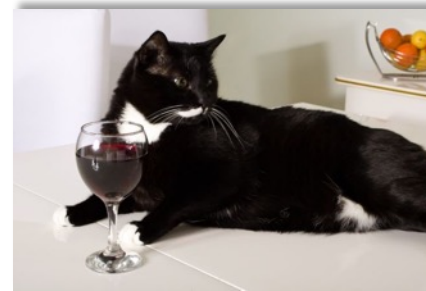
System Engineer?

DevOps Engineer?

Developer?

WANTED

Release Engineer?

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Who is Going to Be Deploying?
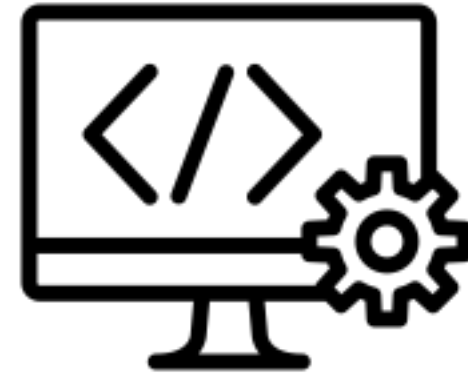
Not You

You

Common CI/CD Patterns

Drivers of Pipelines

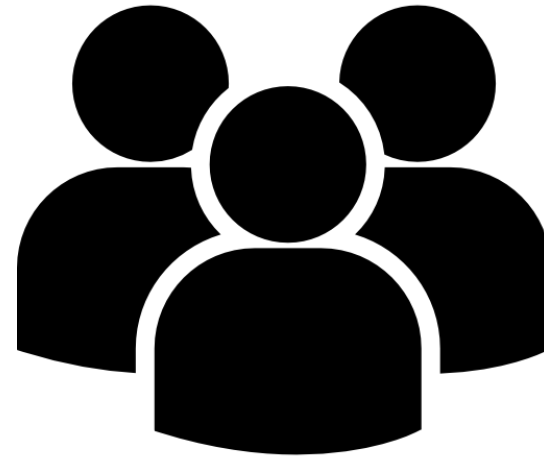Environments

Tests

Services

Drivers of Pipelines - Continued

Outcomes

People

Scoring

Agility

Complexity of Pipeline
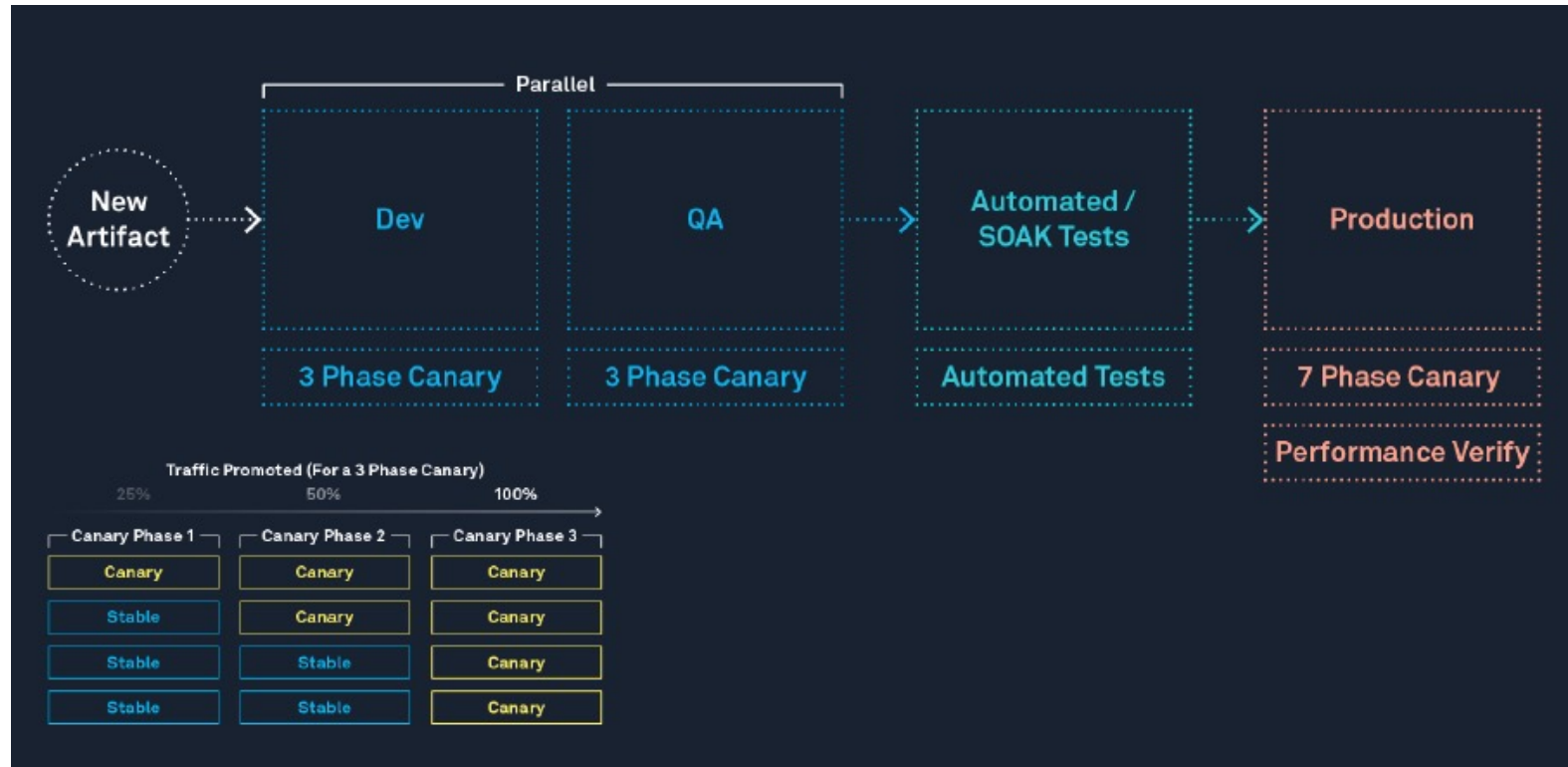
Administration

Risk of Change Failure

Outcome Centric Pattern

Agility: High
Complexity of Pipeline: Low
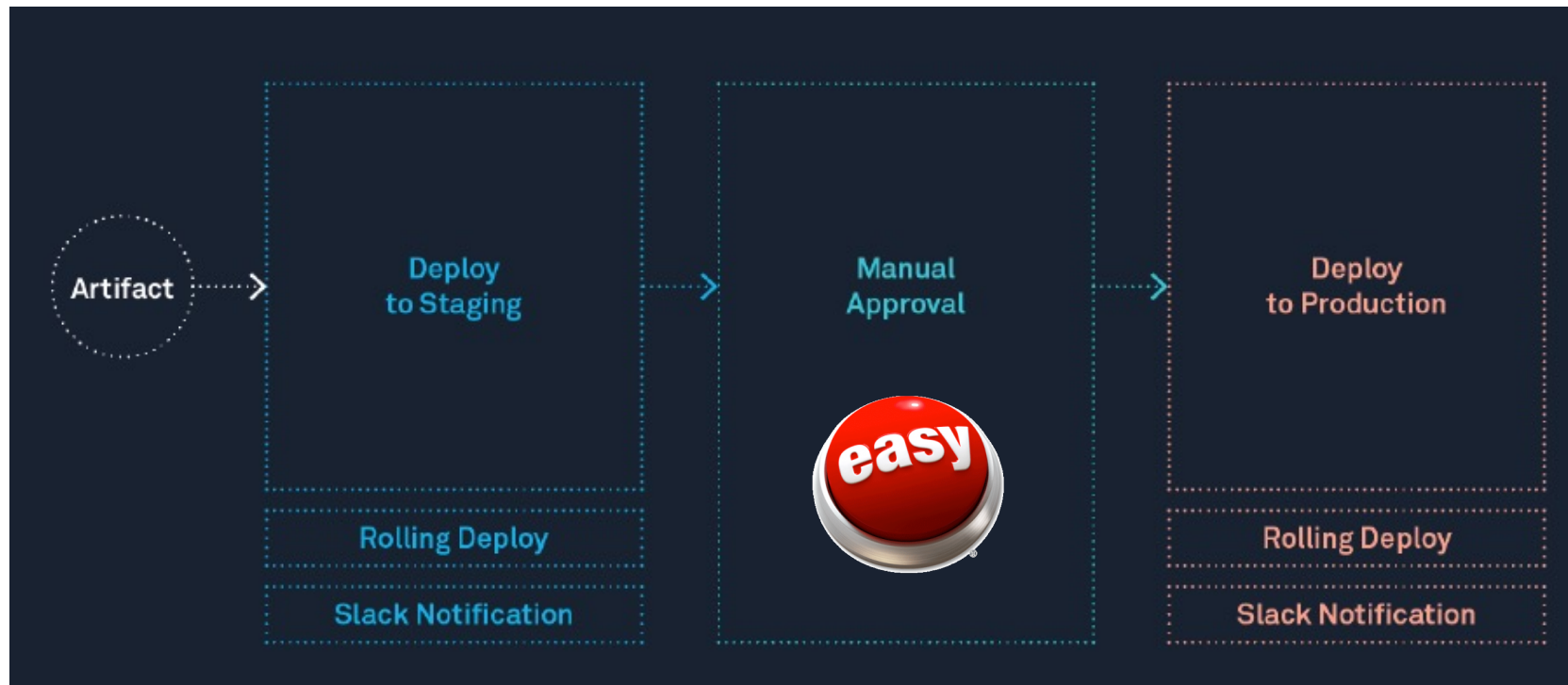Administration: Medium
Risk of Change Failure: Low

Button Push Pattern

Agility: Low to Medium
Complexity of Pipeline: Low to Medium
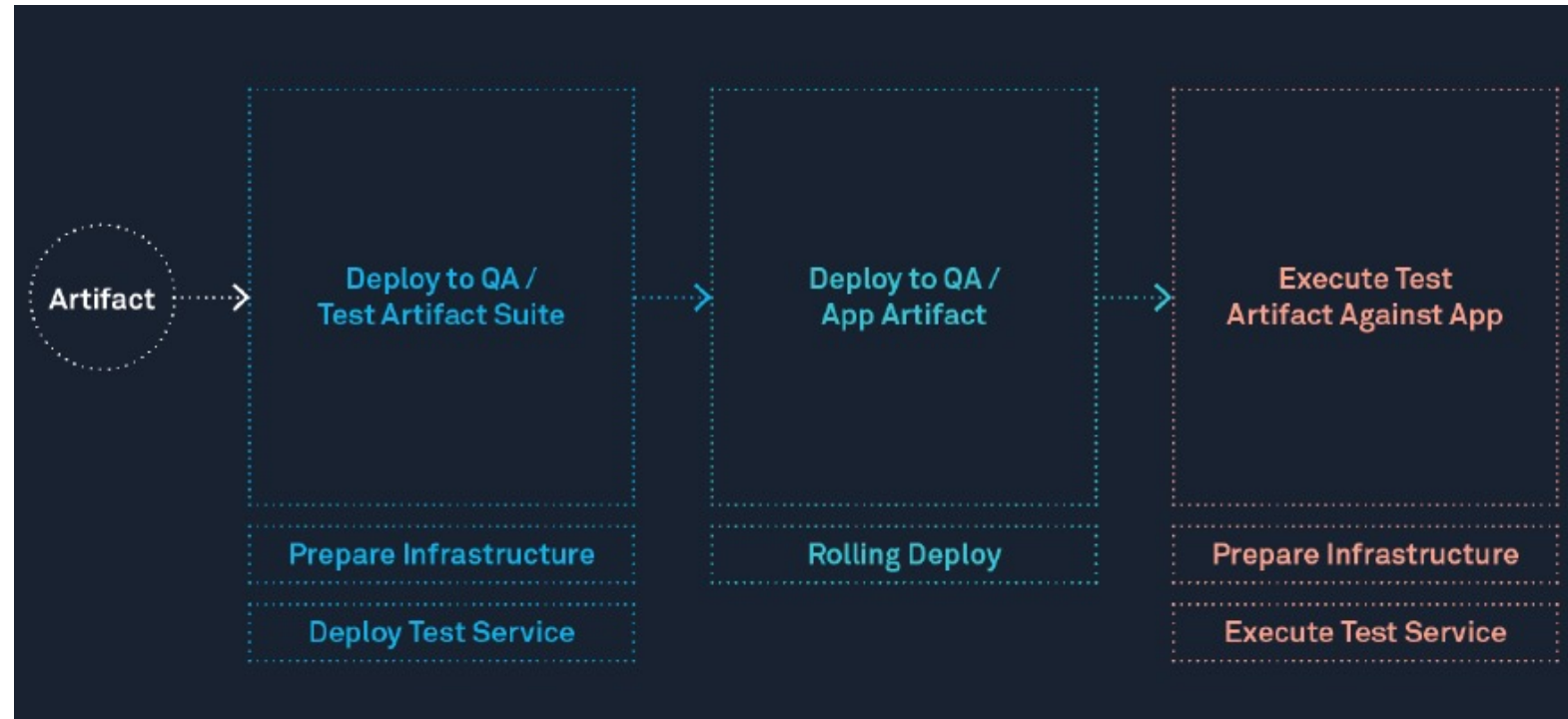Administration: Low
Risk of Change Failure: Low to Medium

Test Automation Pattern

Agility: Medium
Complexity of Pipeline: Medium
Administration: Low
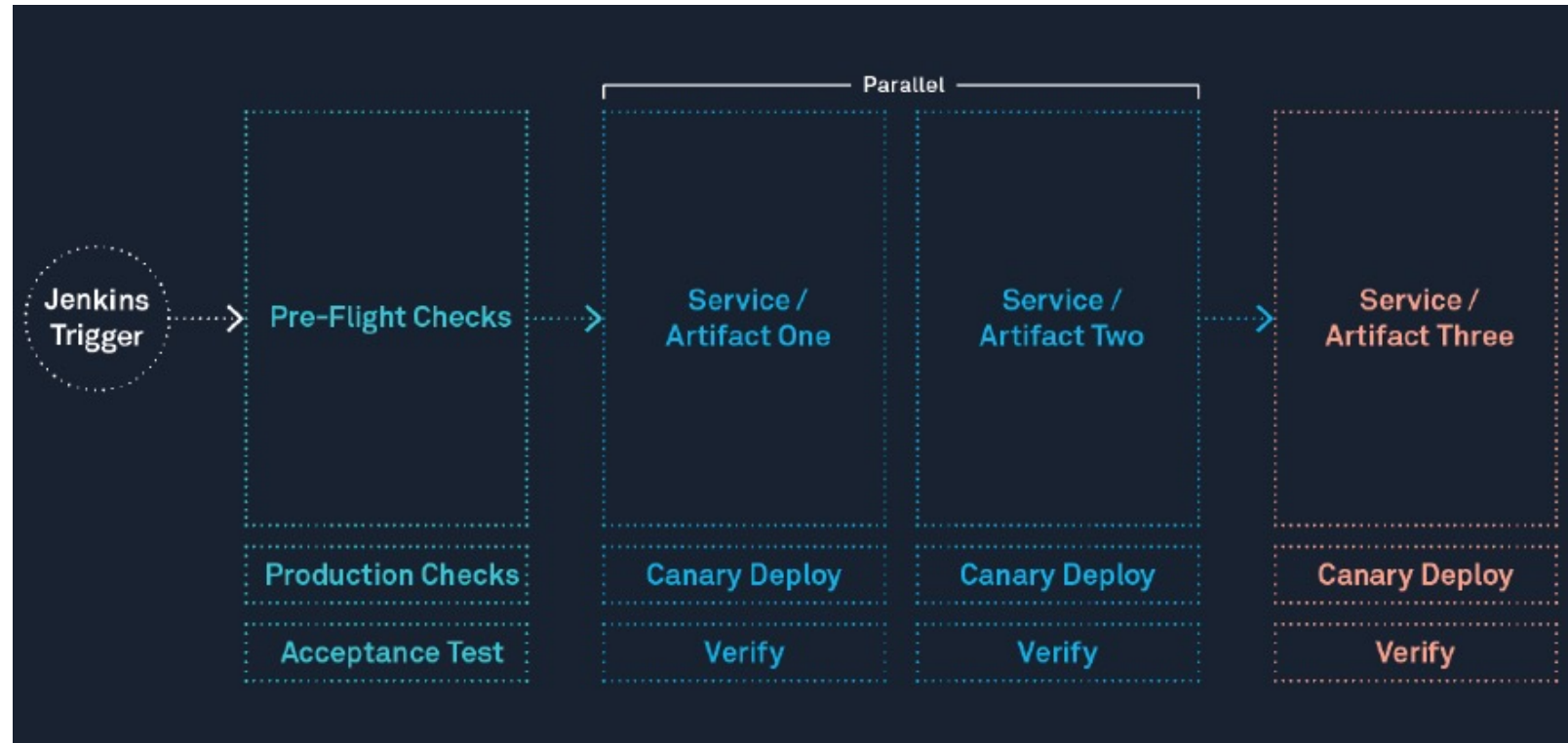Risk of Change Failure: Low

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Multiservice Pattern

Agility: Medium to High
Complexity of Pipeline: Medium
Administration: Medium
Risk of Change Failure: Low to Medium

Antipattern(s)
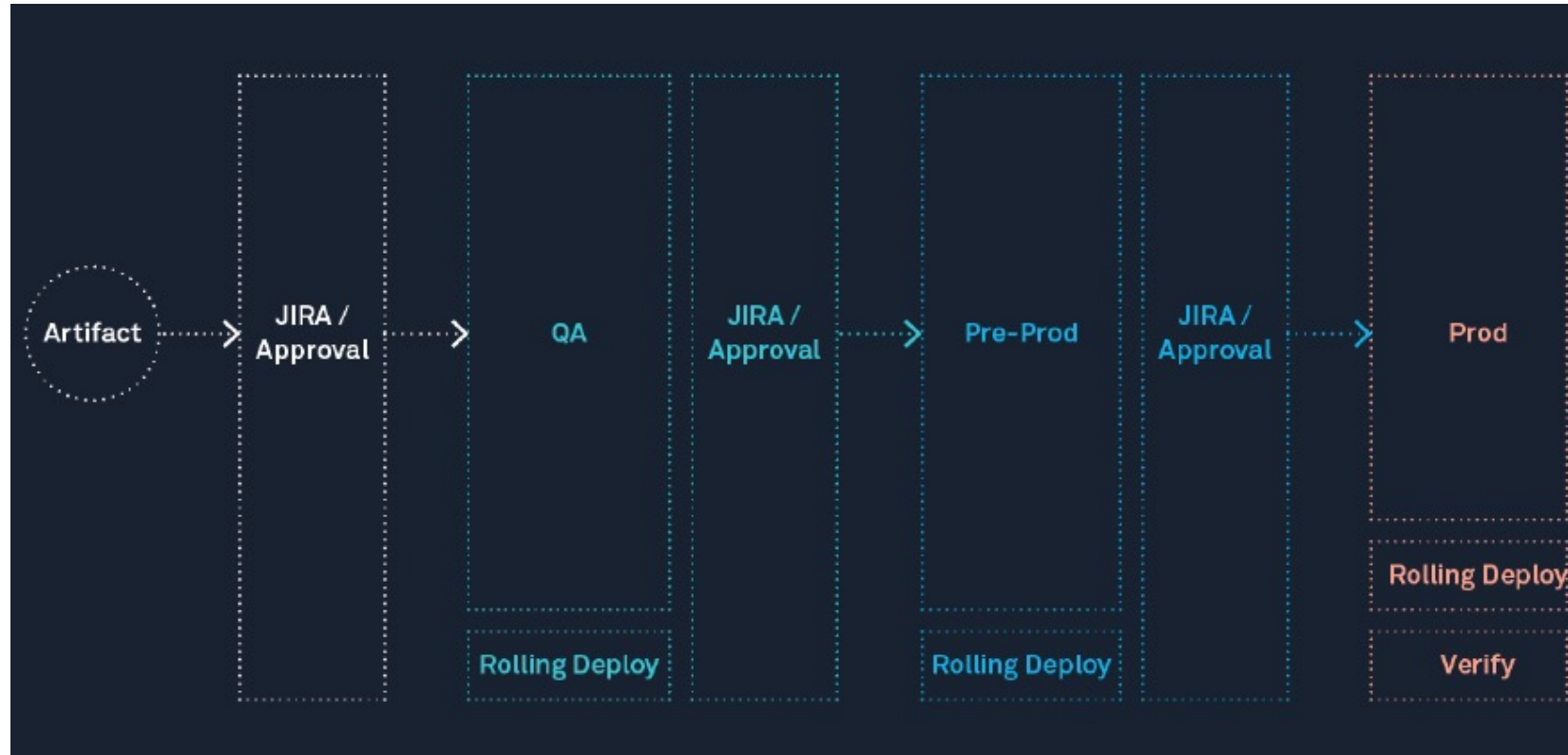
Approval Centric

Full Approval Pattern

Agility: Low
Complexity of Pipeline: Medium
Administration: High
Risk of Change Failure: Low

Learn More!

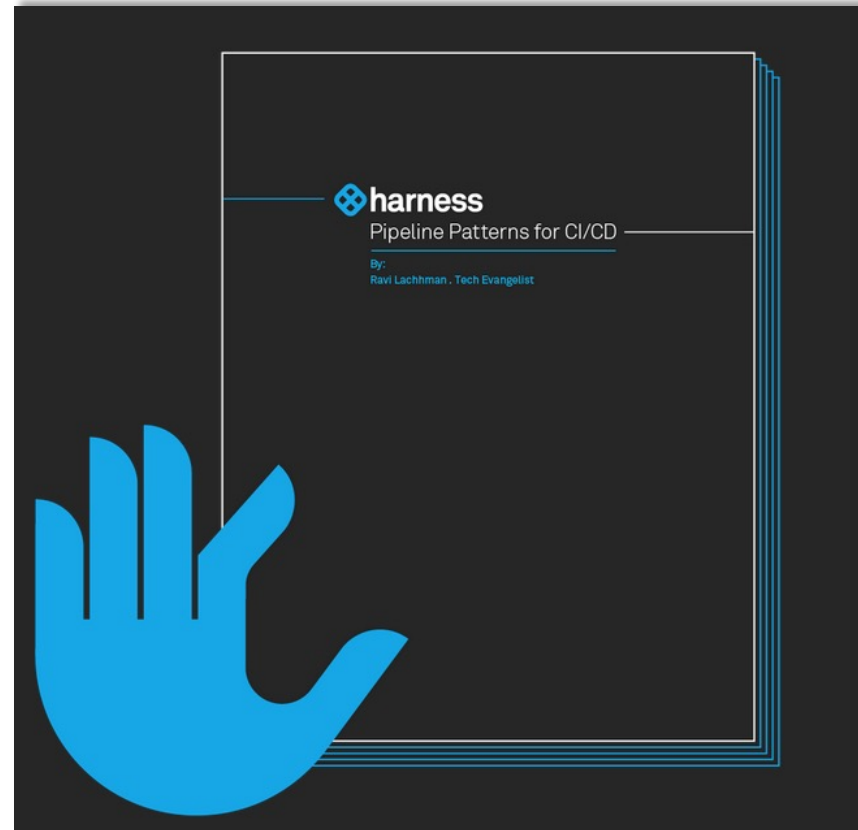# All and More in Harness

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