XebiaLabs
Enterprise DevOps

Delivery

Continuous ~~Deployment~~ at Enterprise Scale

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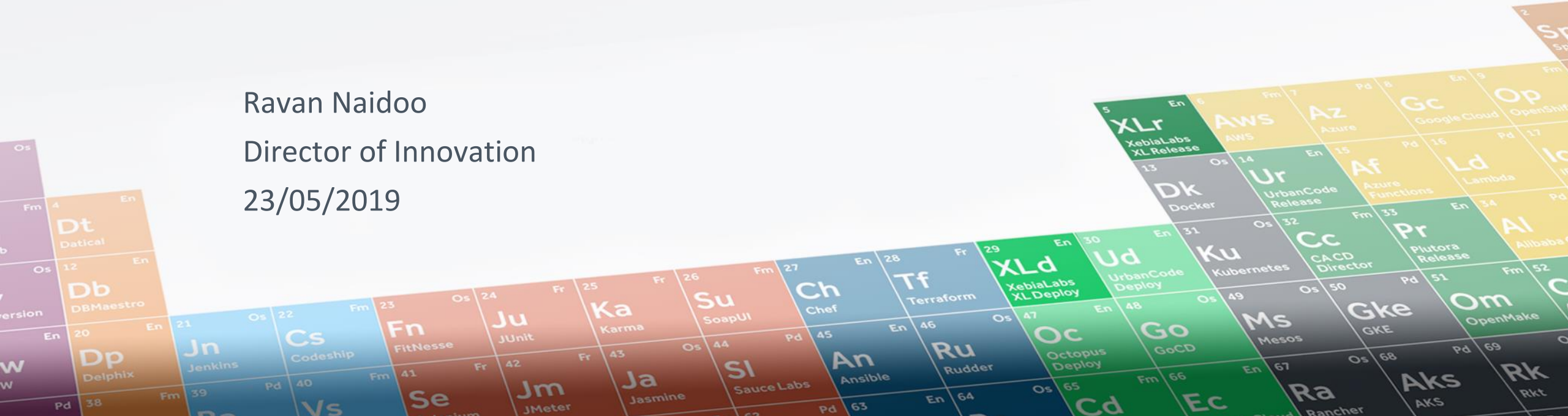
Director of Innovation
23/05/2019



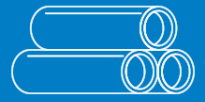
XebiaLabs
Enterprise DevOps

XebiaLabs DevOps Platform

providing intelligence, automation and control across the entire software delivery process

Shift to the Cloud

Migrate to Containers



Connect all Pipelines

Connect CI/CD & ITSM

Improve Governance & Security

SCALE DEVOPS ACROSS THE ENTERPRISE

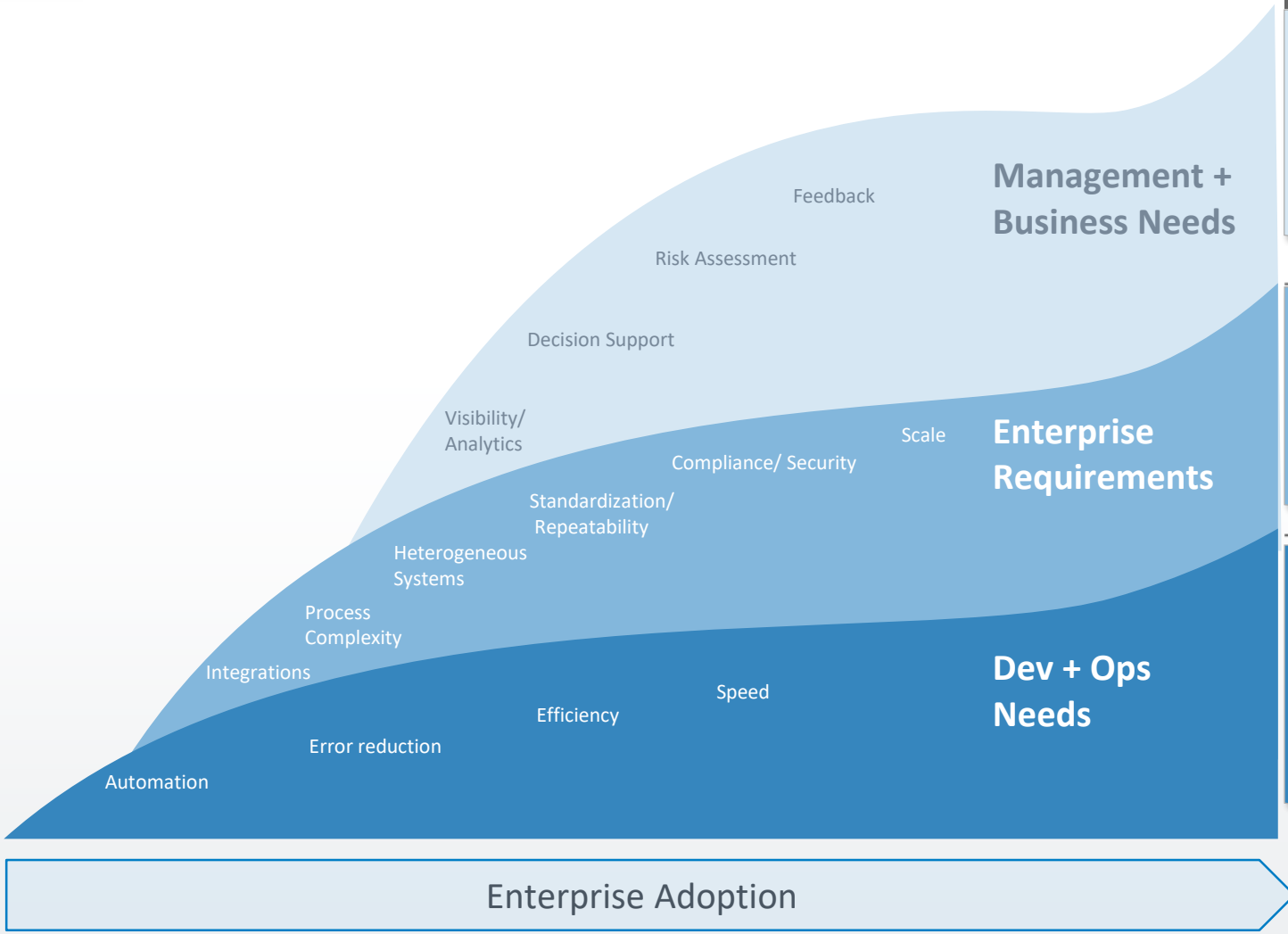
Hundreds of Companies

deliver software with XebiaLabs

The IT World is continuously evolving

Development Methodologies	Waterfall	→	Agile	→ **DevOps**
Application Architecture	Monolithic	→	N-Tier	→ **Microservices**
Deployment and Packaging	Physical Servers	→	Virtual Servers	→ **Containers**
Application Infrastructure	Data Center	→	Hosted	→ **Cloud**
Application Test Data	Quarterly Refresh	→	Monthly Refresh	→ **On-demand (within minutes)**

Adoption Timeline



Use Cases

"I lack a clear view of what's going on in my releases."

"I need to know when there's risk to the schedule."

"We must meet Audit and Compliance requirements."

"I need CD to fully realize the benefits of agile."

"My failure rate is too high."

"I need to enhance legacy apps & modernize my delivery process."

"I have heterogeneous applications & mainframe apps."

"We need standardization to ensure consistency & repeatability."

"Automate all the things!"

"All steps & manual interactions need tracking."

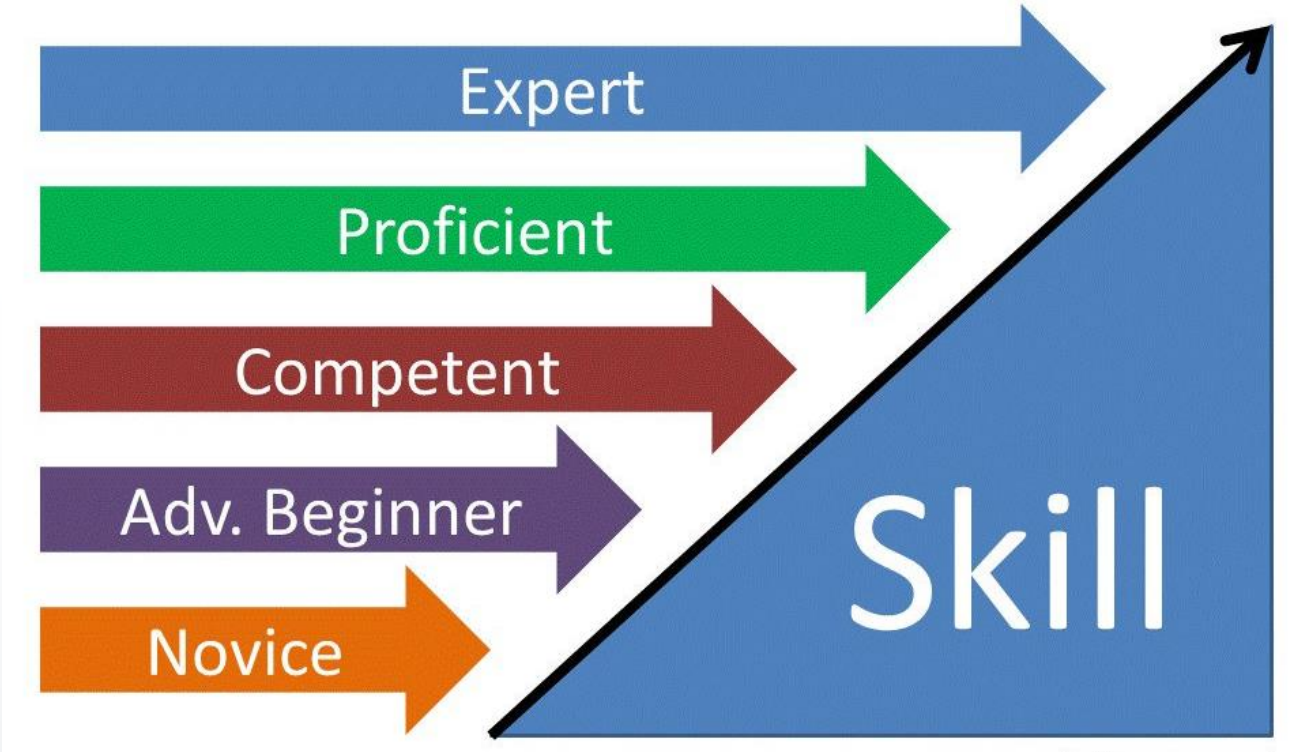
"Microservices & apps with complex dependencies need to be delivered consistently."

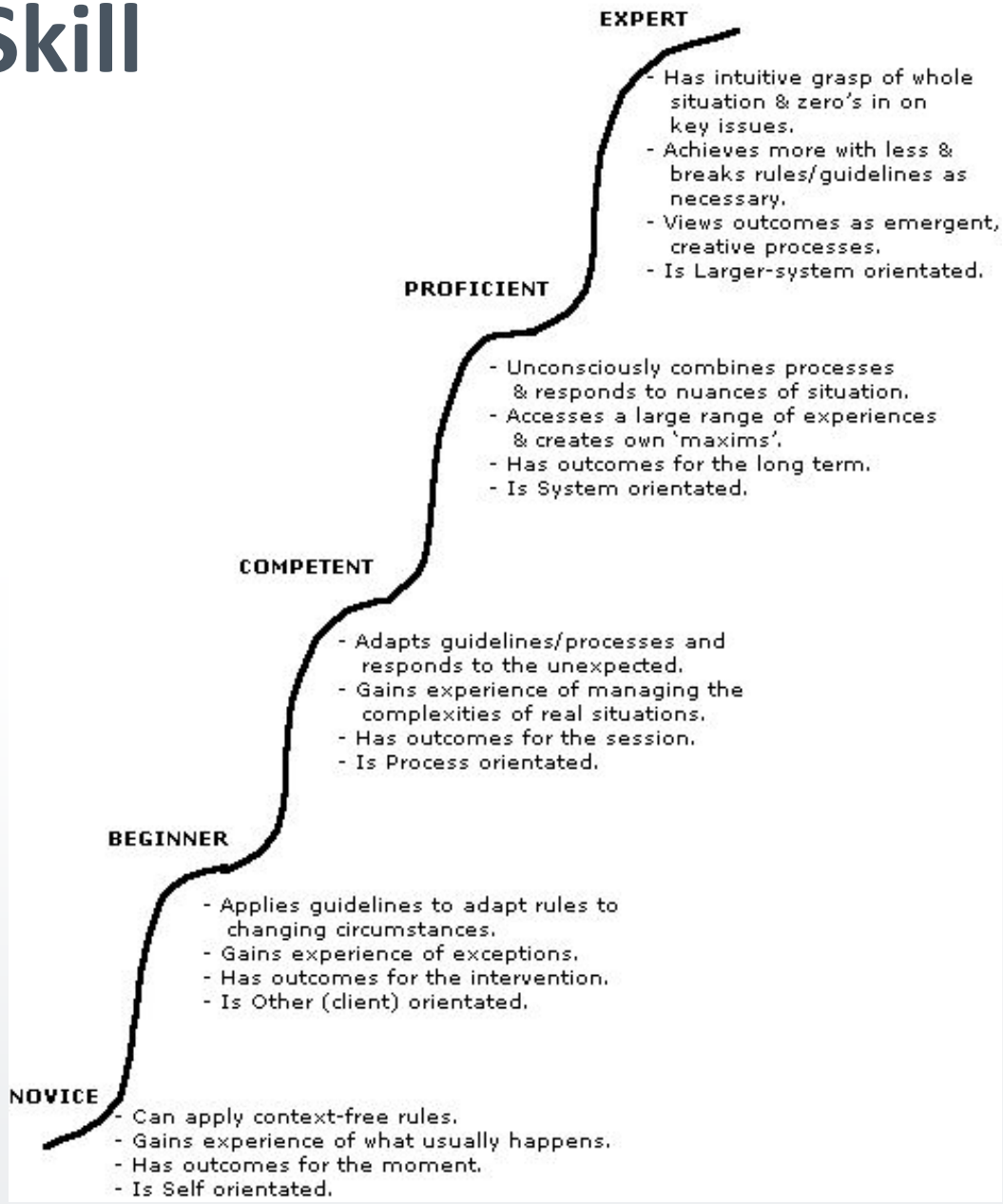
"Public/private cloud, hybrid and on-premise all need to be standardized. We've hit a wall trying to manage everything with scripts."

"My developers need self-service."

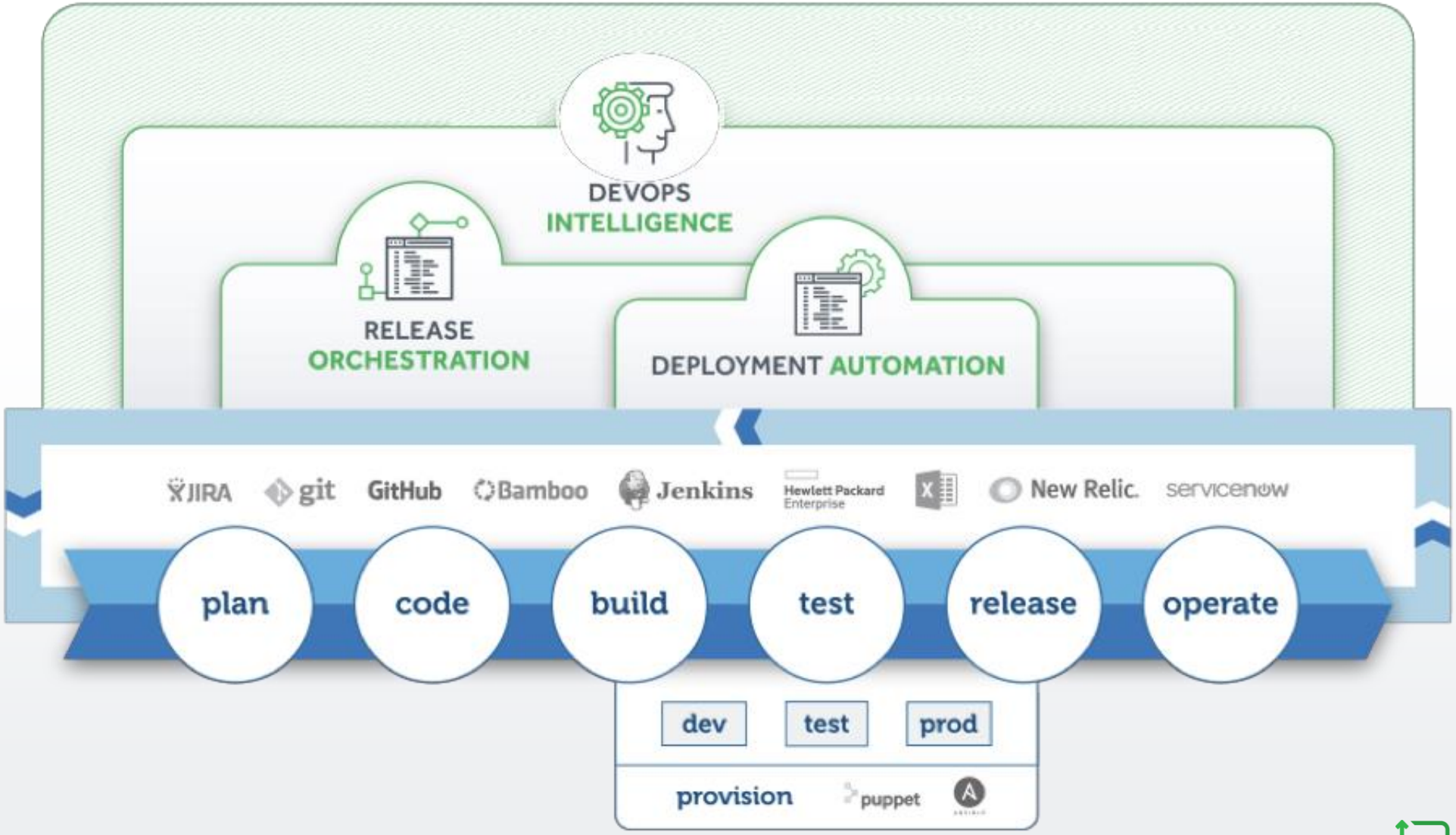
"We need to find & eliminate bottlenecks in our process."

Persona's Level of Skill





Connecting all your disciplines with automation, insight and control of your software delivery process



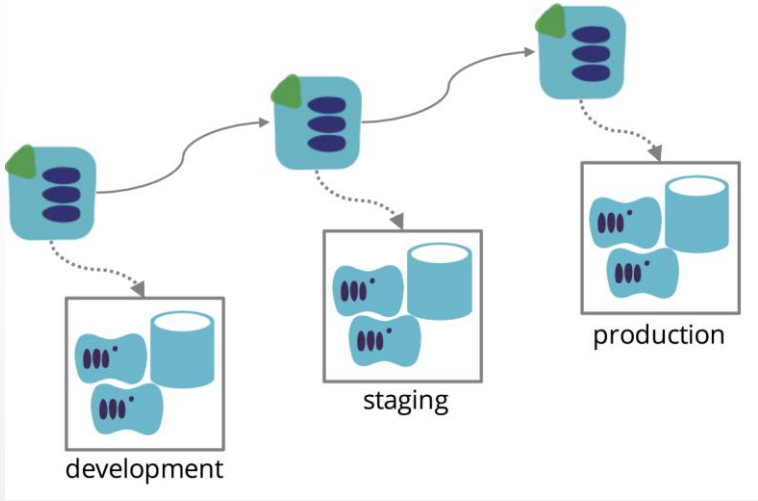
Four disconnects to consider when scaling CD in your organisation

Disconnect 1:

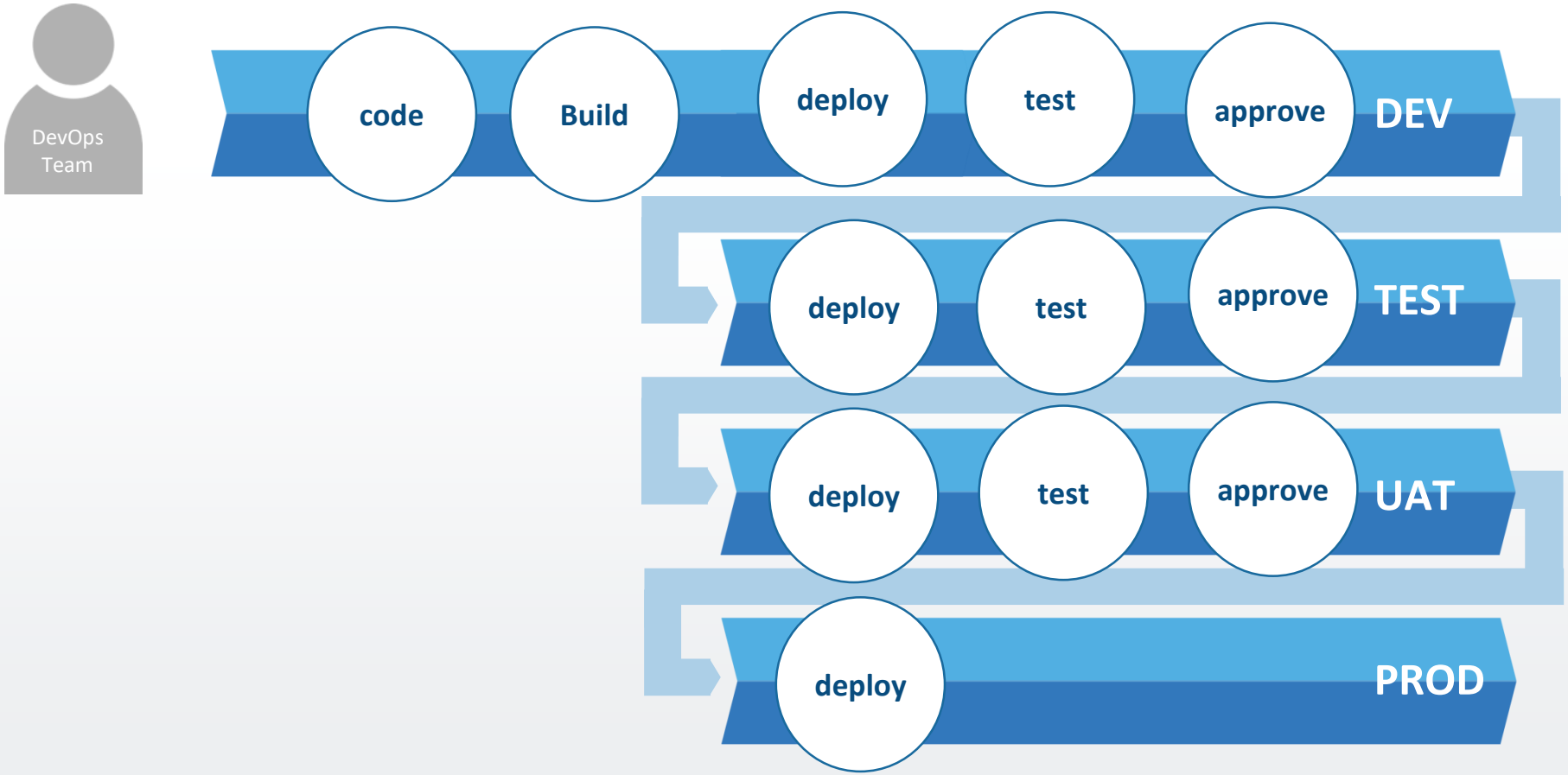
CI/CD is going lightning fast, but at the same time, happening in the dark for many

Modern DevOps deployment process driven by Team

- **Checkout GIT** repo
  - git pull —rebase
- Adjust variable **settings** for environment.
  - vi values.yaml
- Apply **templating** tool of choice to **generate** Declarative Application Management (DAM) definition
  - helm template mycloudformation-chart >> dam.yaml
- Use DAM command-line tool to **apply** DAM definition
  - aws cloudformation create -stack -f dam.yaml

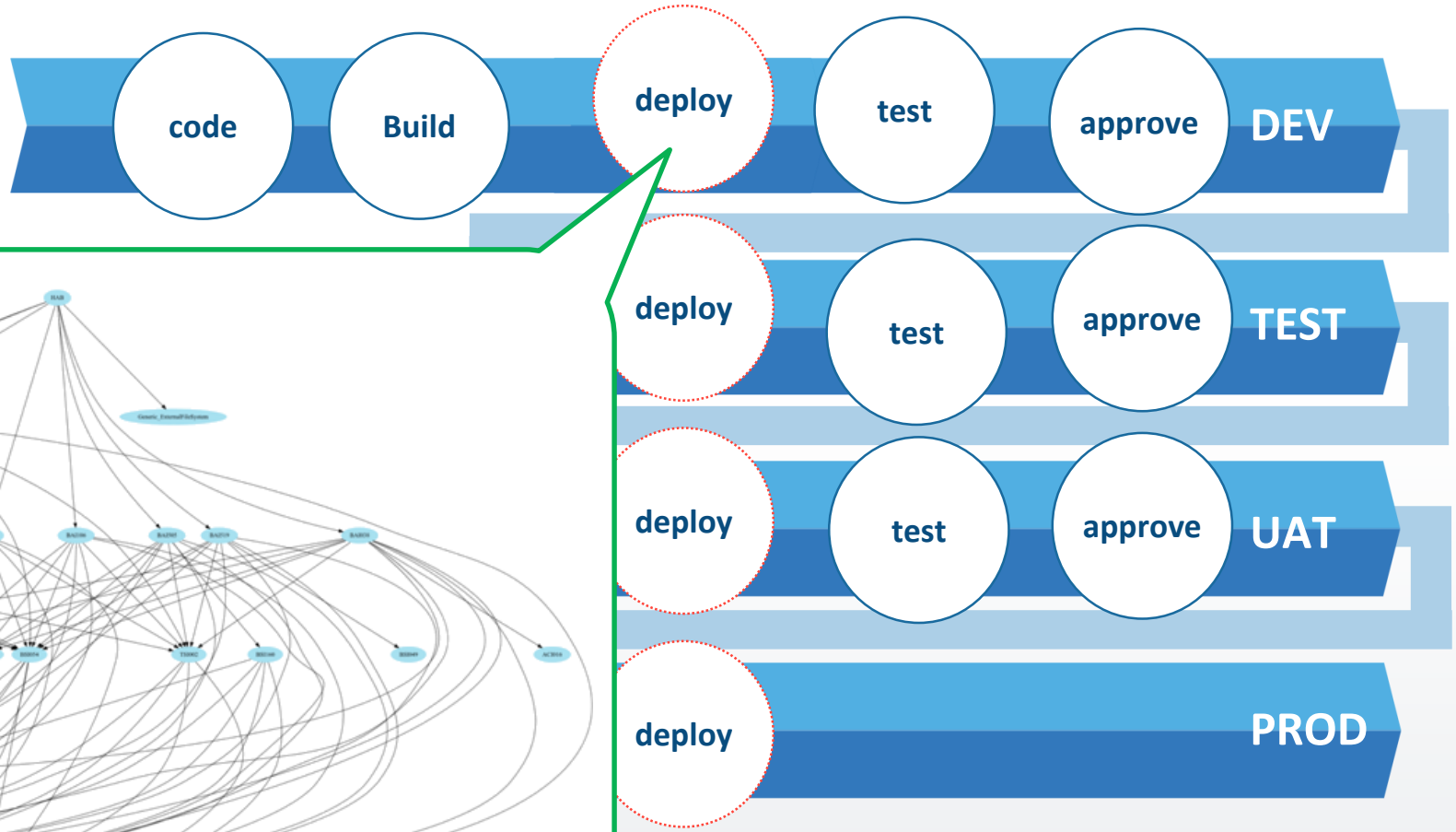


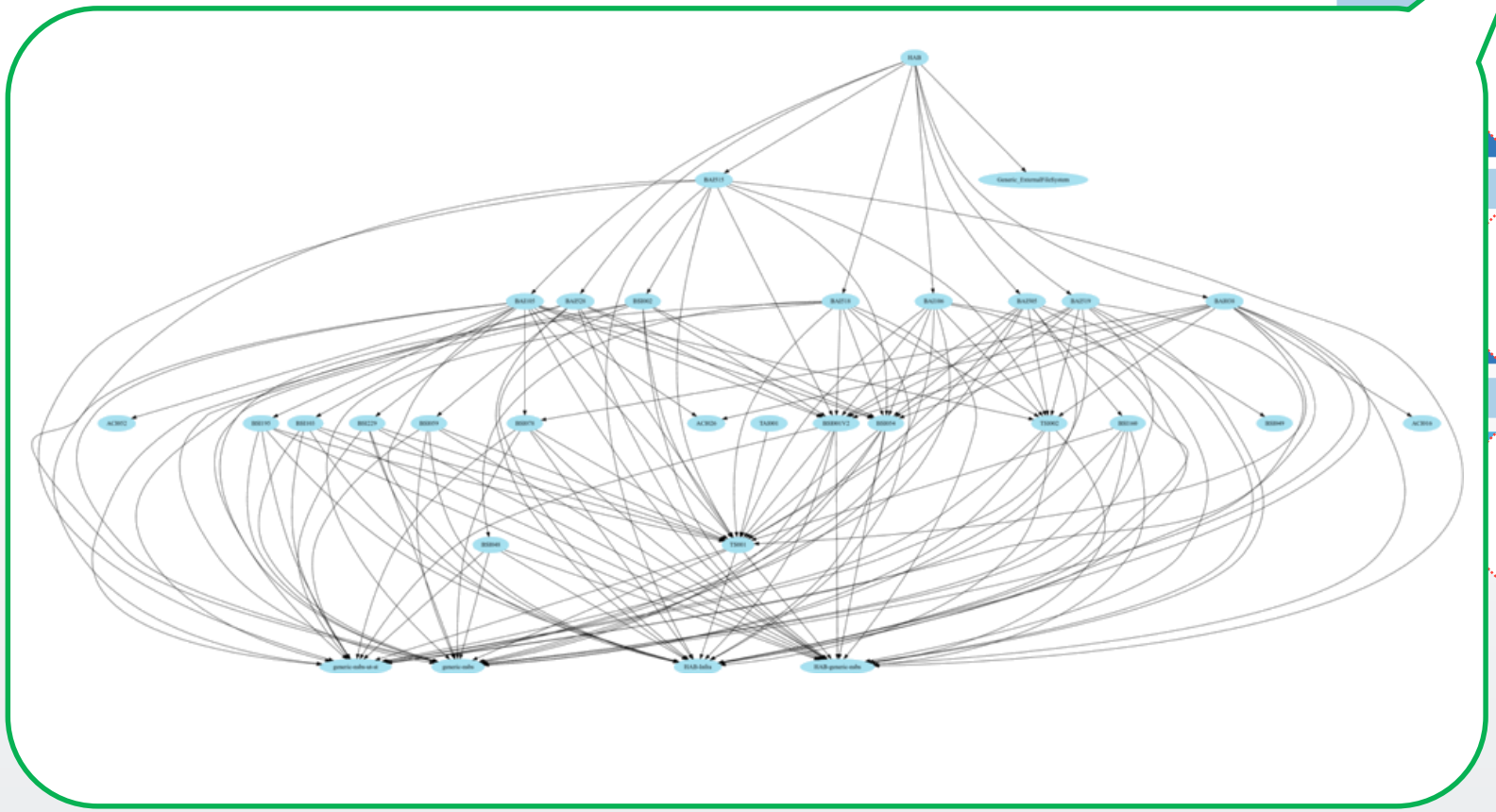
DevOps deployment process automation driven by pipelines



Enterprise Reality… **deployment** orchestration complexity

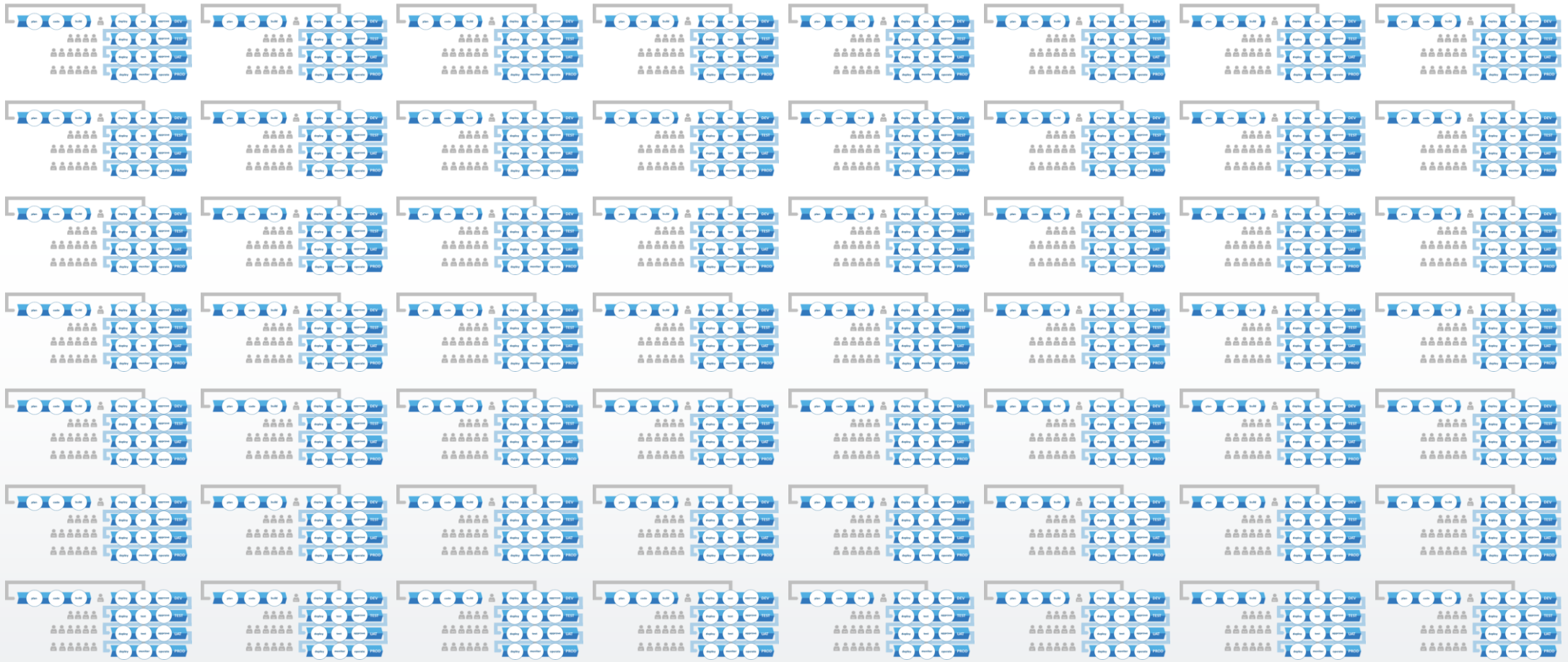
… added complexities with dependencies through the growing use of microservices





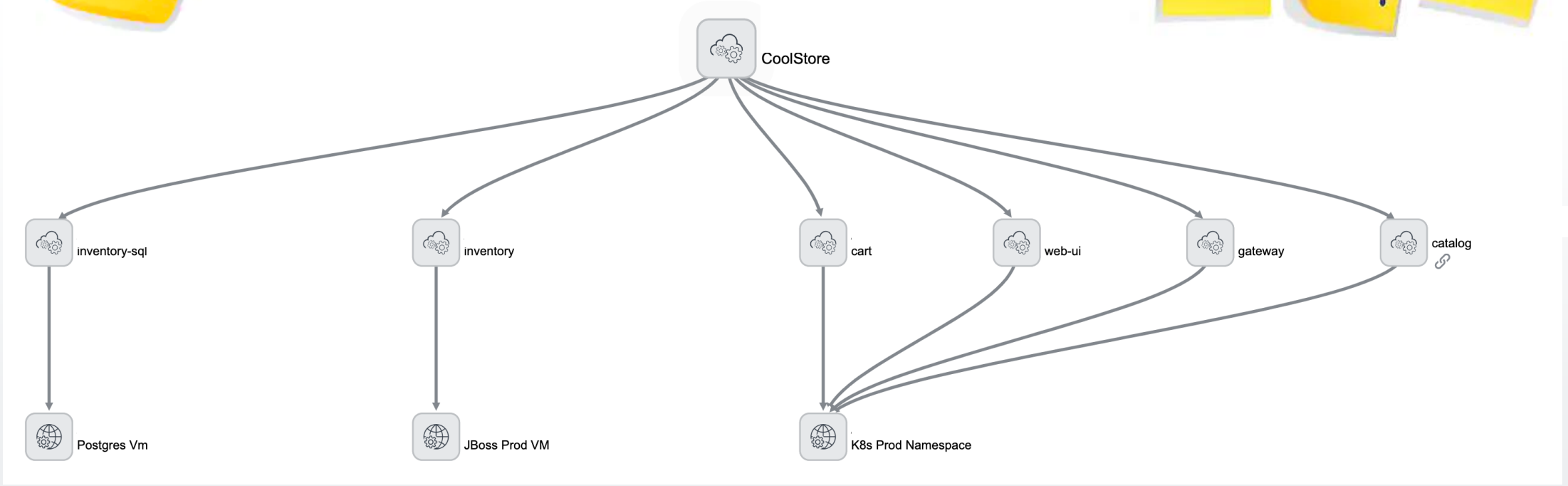
Enterprise Reality… **deployment** orchestration duplication

… copy paste templates, scripts, deployment pipeline definitions across teams or even microservices



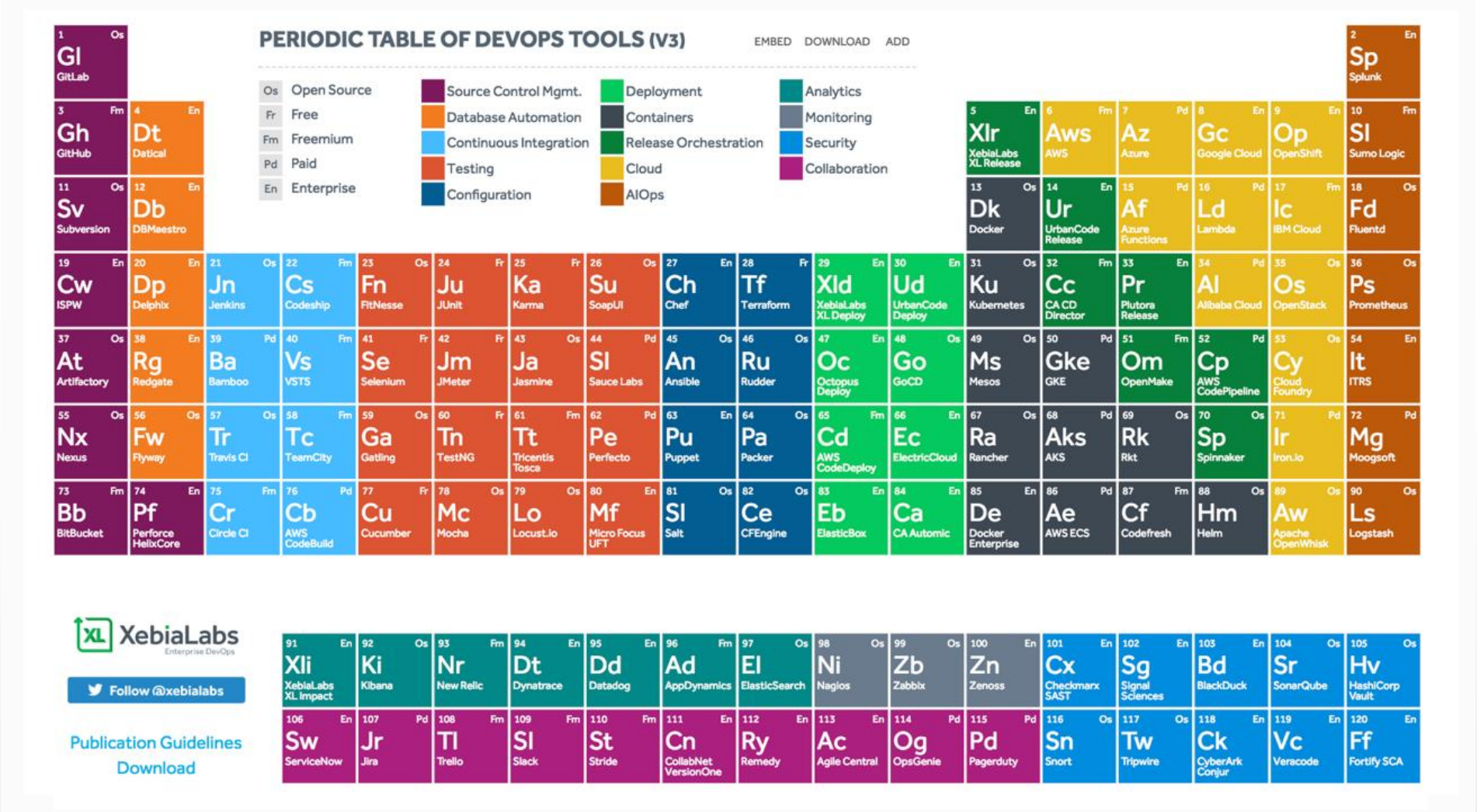
XebiaLabs Deploy Demo

Model driven deployment orchestration independent of technology (cloud, container, legacy)



Continued look into disconnects…

Disconnect 2:
So many powerful tools, so little time for integrations



Disconnect 3:

Lack of focus on Security and Operations

Disconnect 4:

Business process of delivering value is not connected to the IT process

XebiaLabs Release Demo

Software delivery pipelines for everyone

"With XebiaLabs we enable DevOps for all Tools, DevOps for all Apps, DevOps for Everyone"

Kurt Straube, Systems Director
John Hancock

XebiaLabs DevOps Platform

Overcome Cloud DevOps Challenges

Lack of Cloud Expertise

- Best practice templates for common cloud services

Developer Experience

- Leverage Release Orchestration that integrates with your Developers' favorite tools

Security & Governance

- Bake security and governance into your pipelines

Onboarding and Scaling

- Leverage standard templates and blueprints

Visibility and Auditability

- Make data available for reports and audit trails

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Thank you for listening!