



Strategies, Challenges, and Value of Kubernetes Platform Teams

— Oct 2020 —

Goals and Timing of Platform Teams

Cloud-Native has huge and many business values



Developer Speed

Significantly more time for innovation



Improved Business Agility

More and faster deployments



Faster Time-to-Market

Roll-outs to production faster than planned



Higher Flexibility

Scale easily across private and public clouds

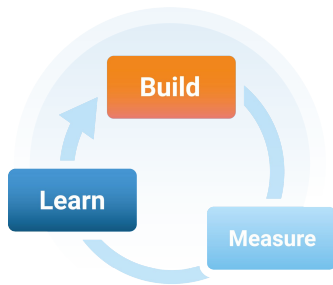


Improved Resiliency

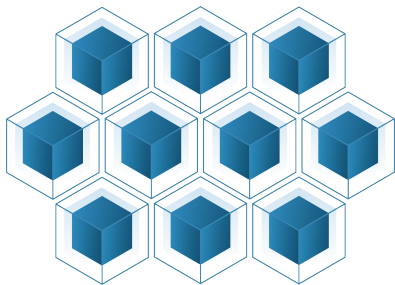
Better availability and full uptime during patches and upgrades

Achieving High Innovation Rates

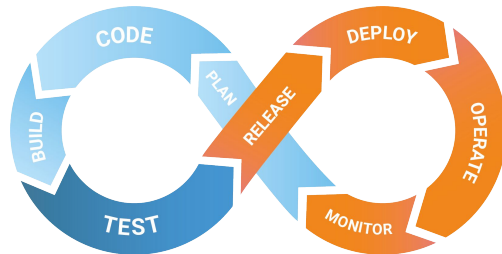
Continuous Integration / Deployment



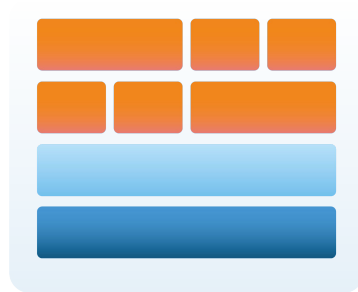
Microservices



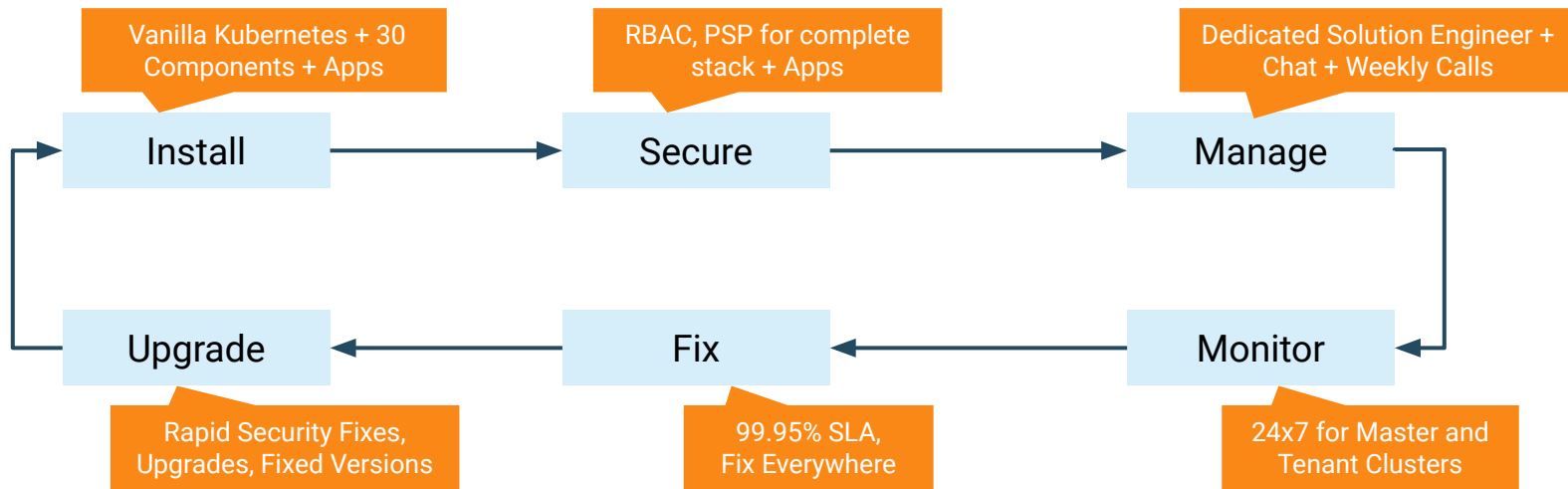
You Build it you Run it



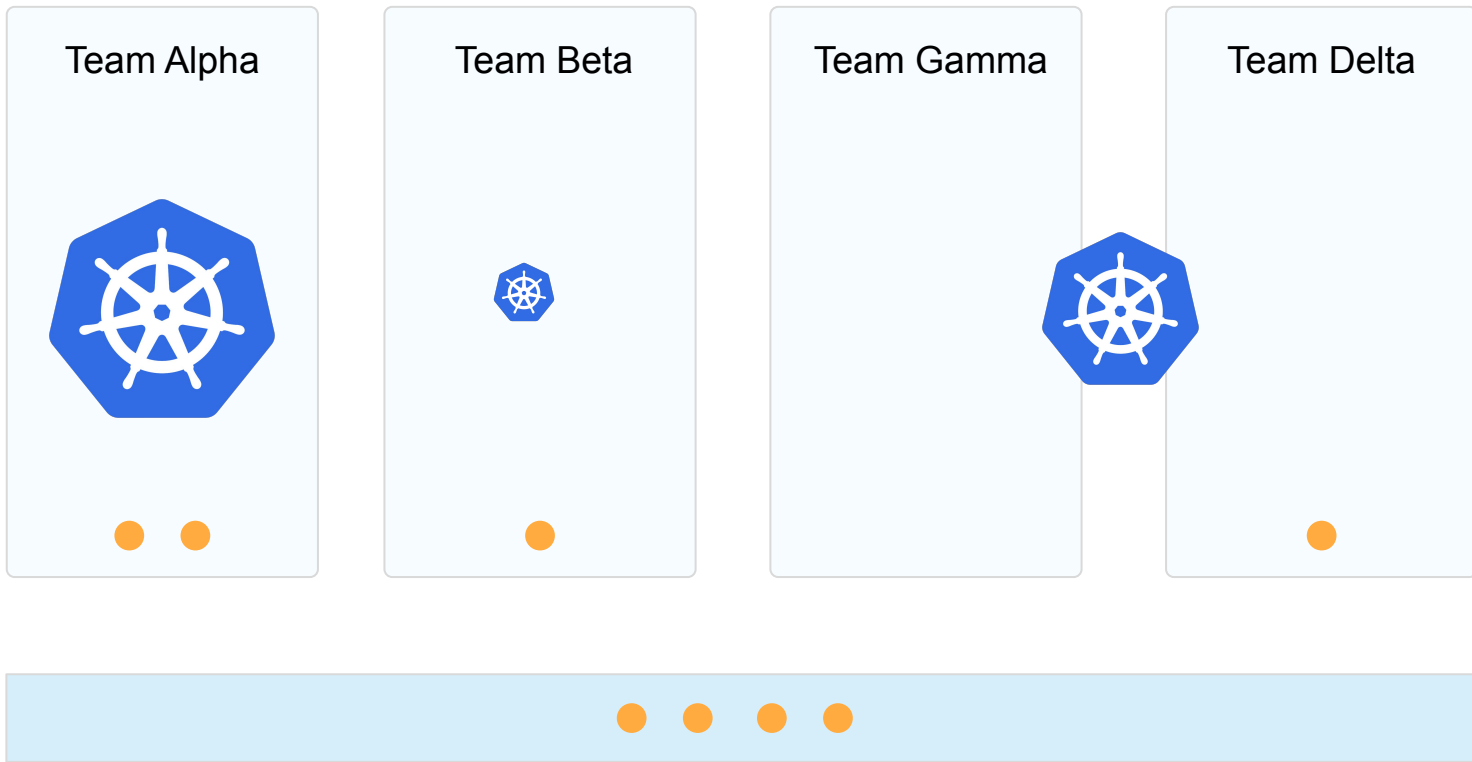
Container



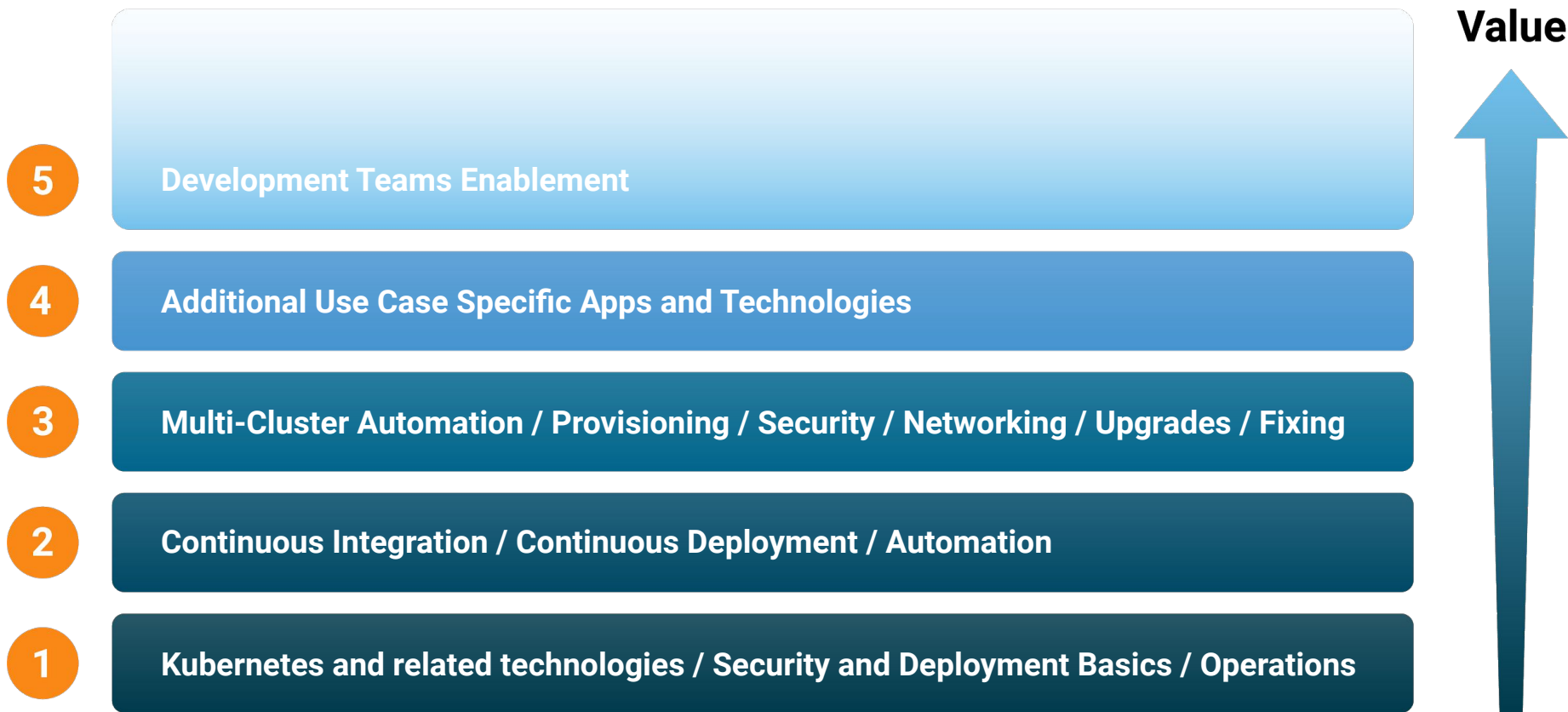
Complete Platform Life-Cycle Management



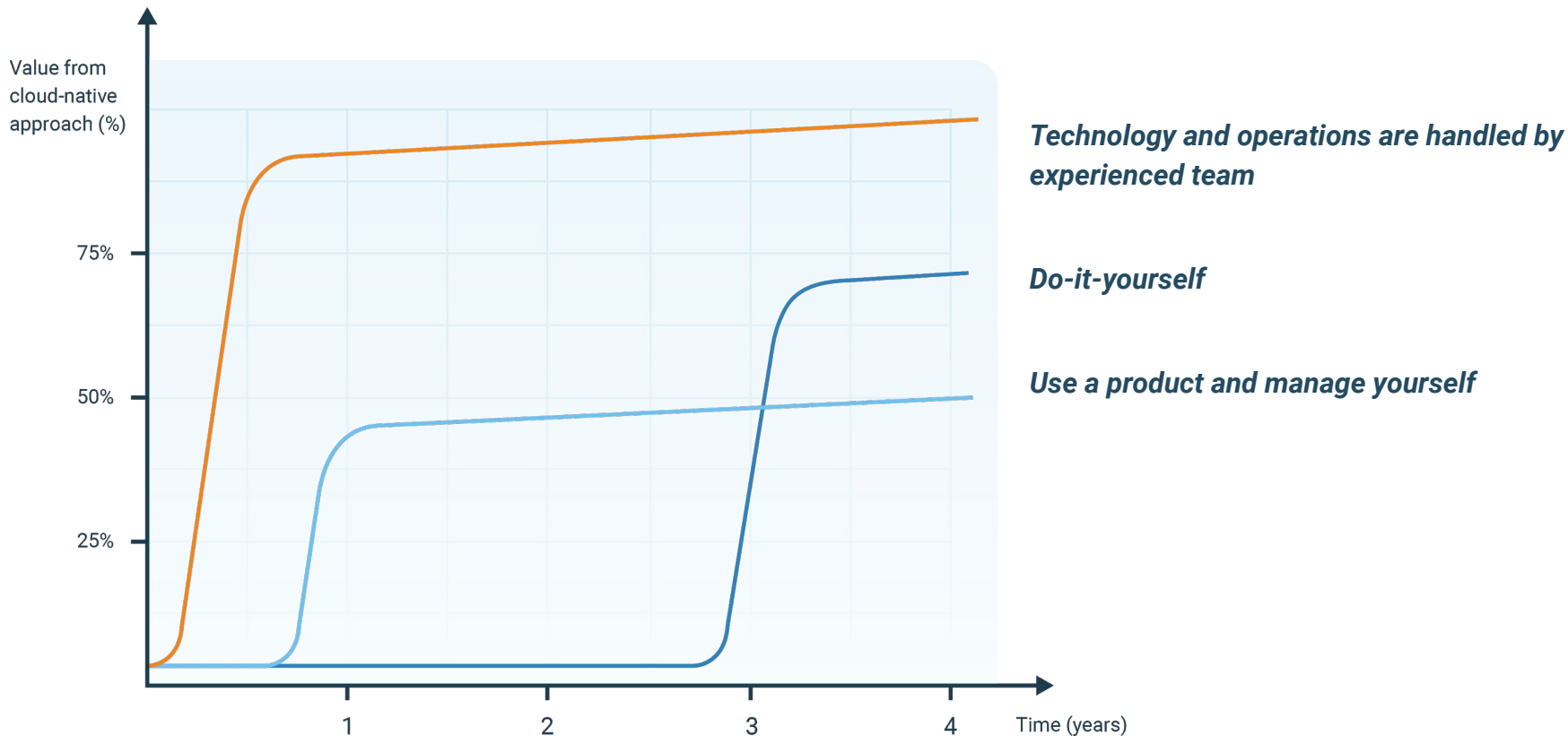
When Project Teams cover Kubernetes Platform



Platform Team Maturity on Cloud Native Journey

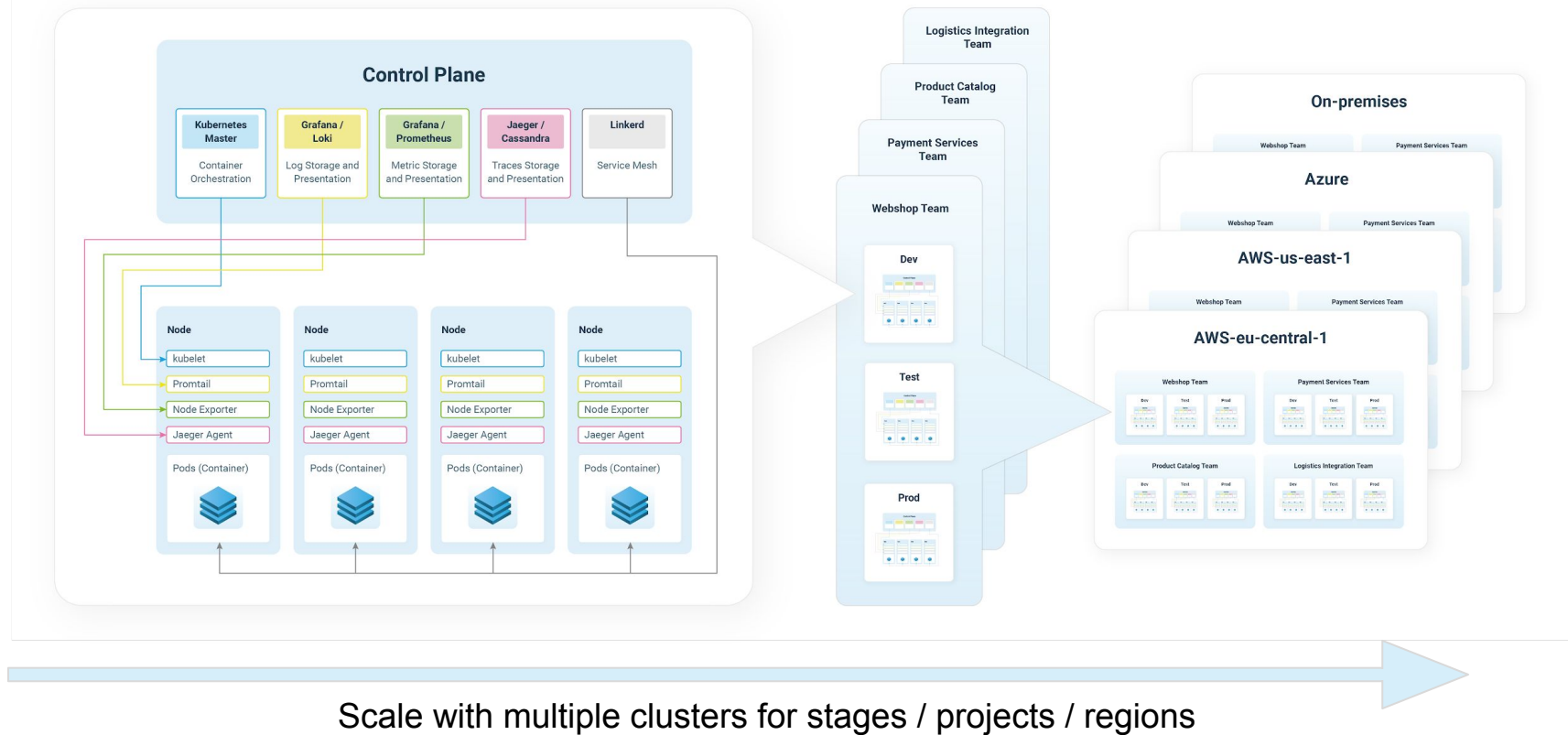


When to Build a Platform Team - Time to Value



What are Key Challenges for Platform Teams

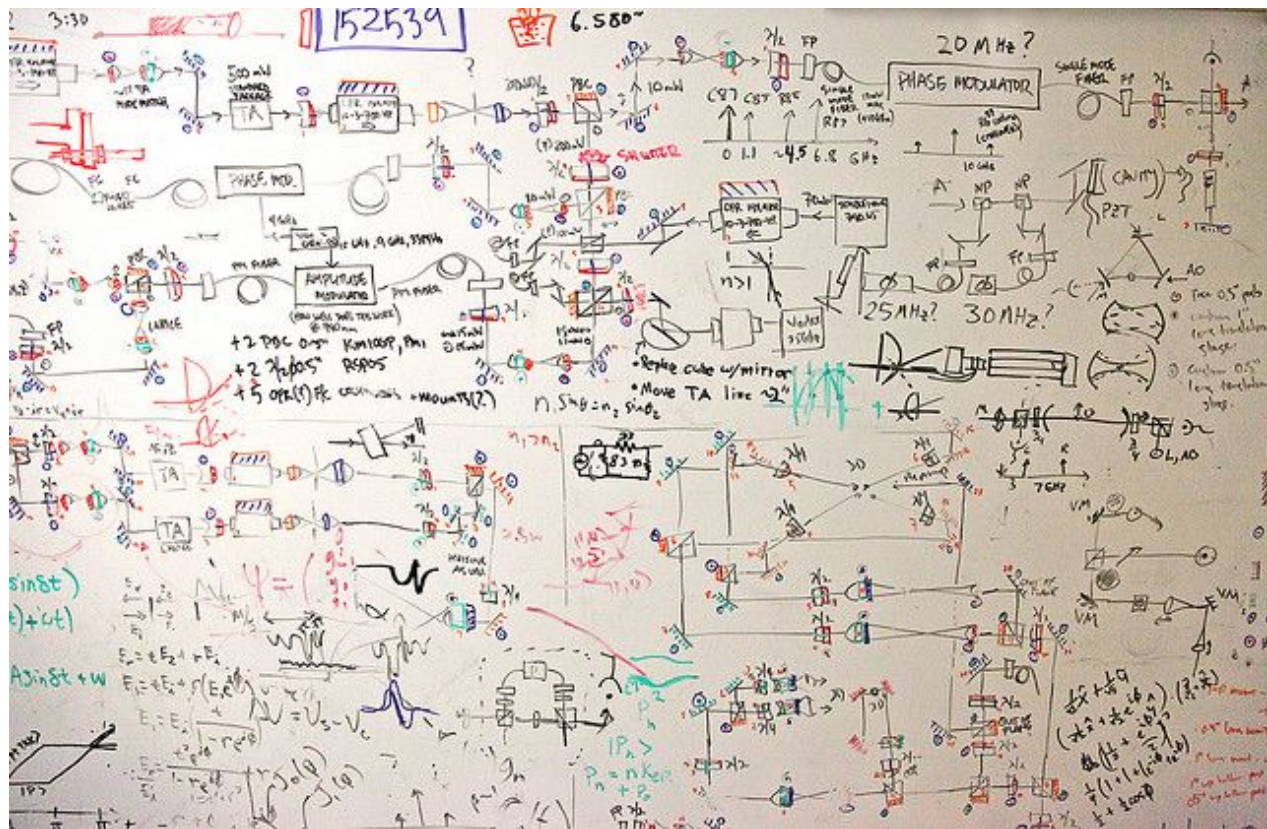
1) Teams don't benefit from initial automation development



2) No project backing (no power, no budget, no timeline)



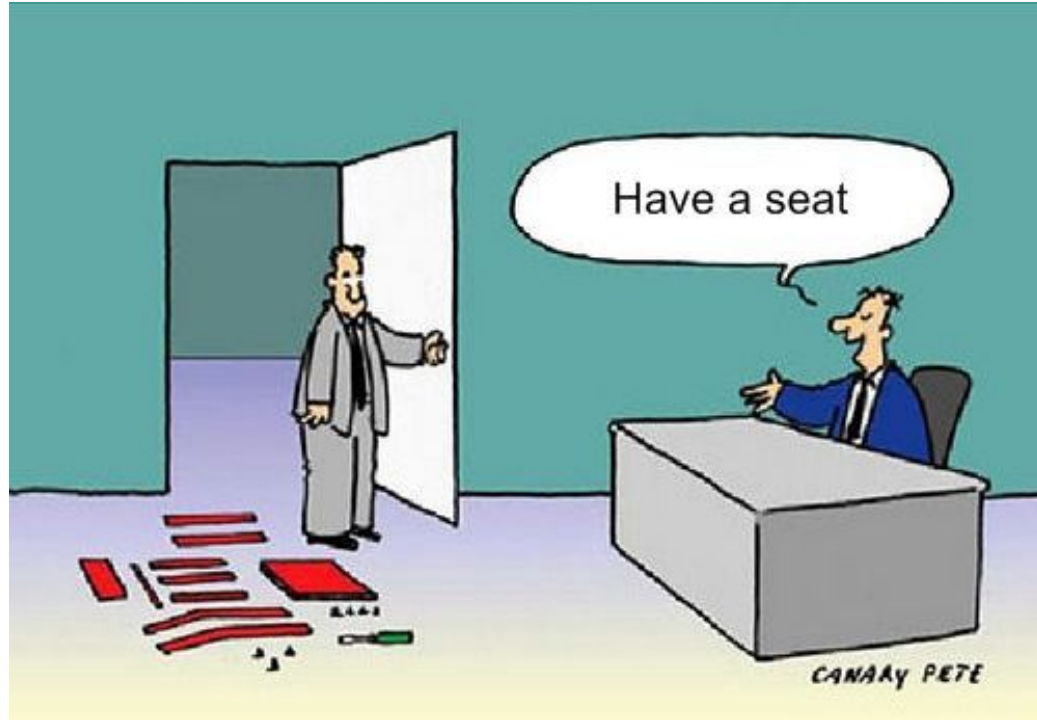
3) Unrealistic expectations



4) Meeting every customer request



5) The IKEA Effect



What Platform Teams Should Focus On

What platform teams should be doing

- Security Clearance and Enforcement
Develop security concepts with Security Experts, automate security, fix CVEs, upgrade strategy,...
- CI/CD
Improve developer experience automating CI/CD, testing, Progressive Deployments, scalability, ...
- Observability
Establish standard set and configuration across all clusters for monitoring, tracing, alerting, ...
- Simplify
Train, educate, assist, review, recommend to help build better cloud-native applications, ...
- Evolve
Design the future platform in respect to provisioning, cost optimization, functionality, shared services...

Maximize value from Cloud-Native Development



Technology

Managed cloud-native stack with Kubernetes



Operations

24x7 management, alerting, fixing, upgrading



Evolution

DevOps tooling, training, automation, evaluation, ...

Increasing value provided to DevOps teams



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