

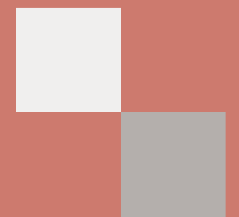
Platform engineering in practice

Myndigheten för Digital Förvaltning – Agency for Digital Government

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What this talk is about

- About Digg
- Our platform
- The platform team
- Platform services
- Backstage
- Demo of backstage
- Questions



Vi digitaliserar Sverige



Digitaliseringen av Sverige är nödvändig för att skapa ett hållbart välfärdssamhälle som möter människors behov, i dag och i framtiden. Det arbetet måste intensifieras. Därför finns Digg.

Tillsammans med hela den offentliga förvaltningen arbetar vi för att omställningen ska bli verklighet, och till nytta för alla.

Extract from Digg's mission

”Responsible for the administrative common digital infrastructure (including e-identifications and signatures, secure digital shipments, e-invoicing, common standards and formats within their area of responsibility)”



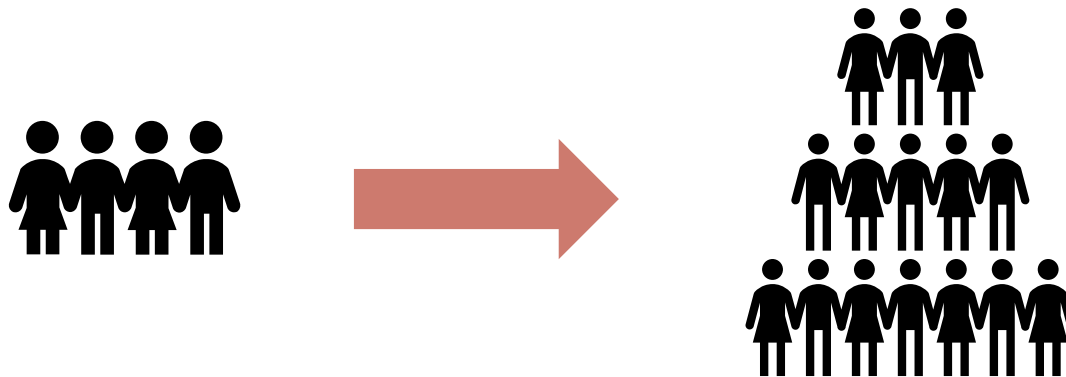
History of Digg

2018-09-18 Digg created

2020-10-12 : Software development team (6 employees and consultants)

2023-08-29: 5 Development teams (32 employees and consultants)

2024-10-04 (now) : 7 Development teams (40 employees and consultants)



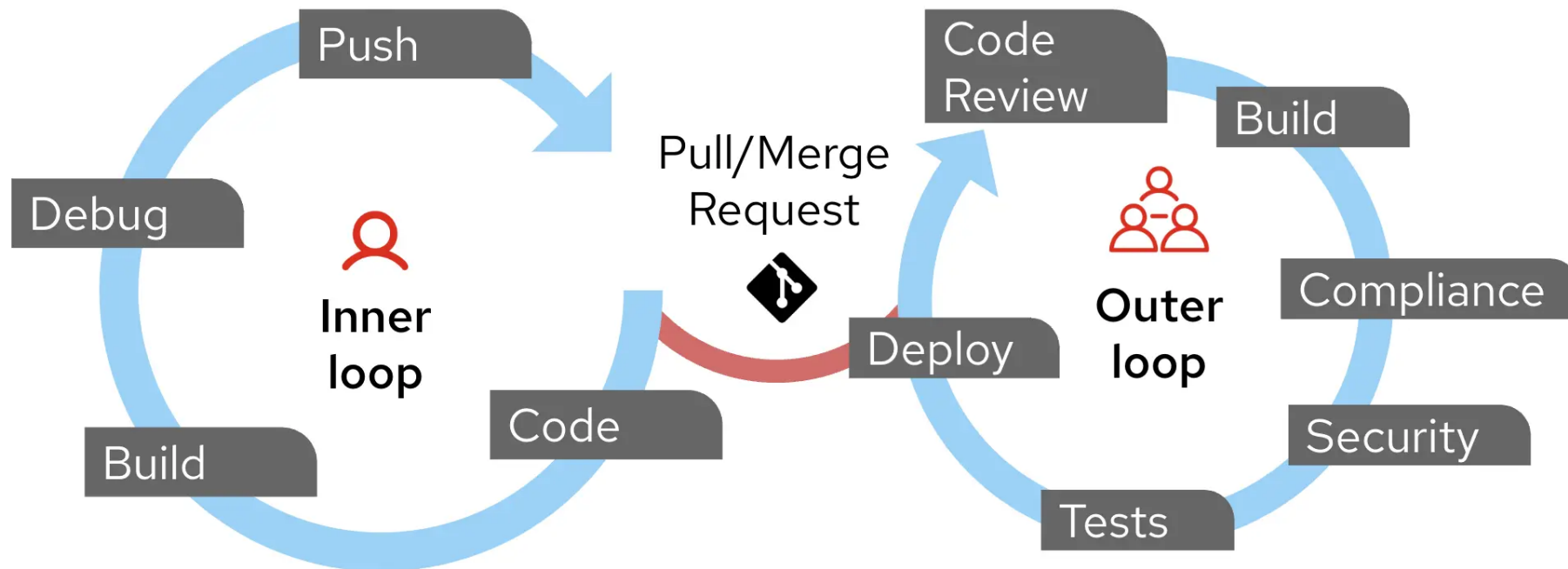
Project at present

- SDK, Secure Digital Communication: Infrastructure for secure digital communication (in production)
- SDG – Digital messages: Digital messages between EU countries (production this year)
- SDG – Single Digital Gateway: Exchange of information between EU agencies ex. Certificate or applications between universities in EU
- Internal project: Digital signing of documents
- Digital Wallet: Solution for storing digital identities

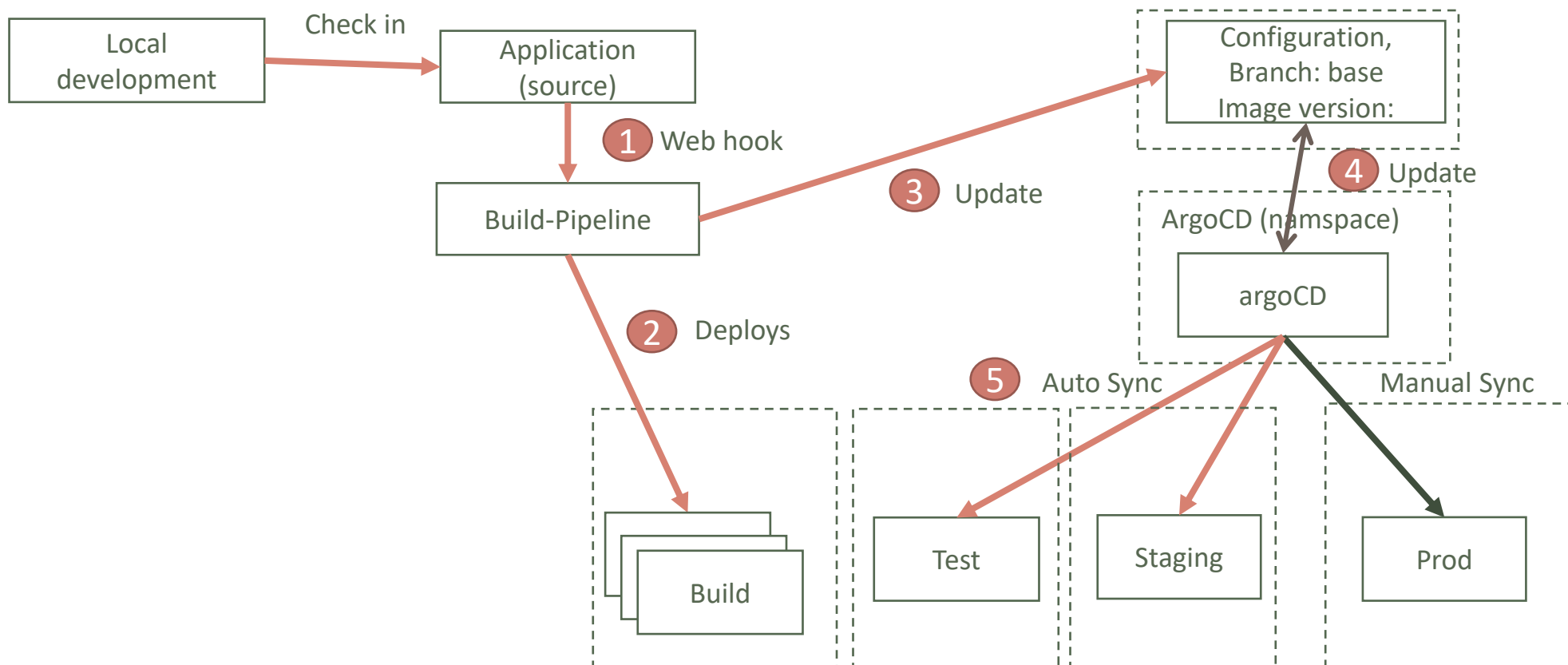


Development Cycle

Inner and outer loop



Outer loop Build and Deployment flow



Why a Platform Team ?

- Platform knowledge
- Support to develop teams
- Provide services to applications
- Configuration – initial config and patterns
- Developers developer – provide selfservice functions



Platform knowledge and support

- Knowledge about Openshift and other products
- Support to development teams

Provide services to applications

- Openshift
- VMware – Self service
- Logging
- Build Pipeline
- Application Monitoring
- Encryption
- Versioning – Git
- Repository/Registry



Configuration – initial config and patterns

- Configuration of application
- Pipeline configuration
- argoCD configuration
- Service Mesh (Istio) configuration

Devlopers developer – provide selfservice functions

- Developer portal
- Built on Backstage.io



Demo

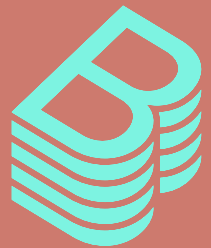
Scenario: We have a new dev-team that needs everything:

- Repositories
- Namespace (projects) in Openshift
- Template application
- Initial application configuration
- Build Pipeline

Demo

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Backstage



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