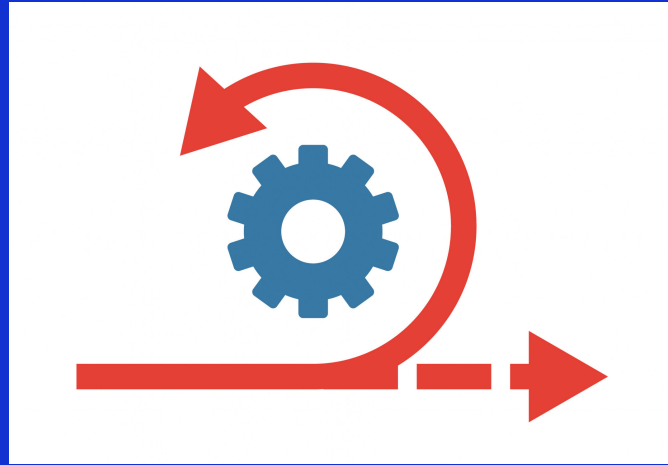


Continuous Previews



Josh Thurman

DevRel  üffizzi

[@JoshThurman19](https://twitter.com/JoshThurman19)



Peter McKee

DevRel  docker

[@pmckee](https://twitter.com/pmckee)

References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)

Why CP?

Begin Testing ***Earlier - Keep Dirty Code out of Main***

Accelerate Iterative Feedback Loops

Simplify Testing

References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)

4 Hurdles to Software Production

1. Development

2. Integration

3. Acceptance

4. Delivery

References-

1. agilemanifesto.org

2. cpmanifesto.org / [Git Source](#)

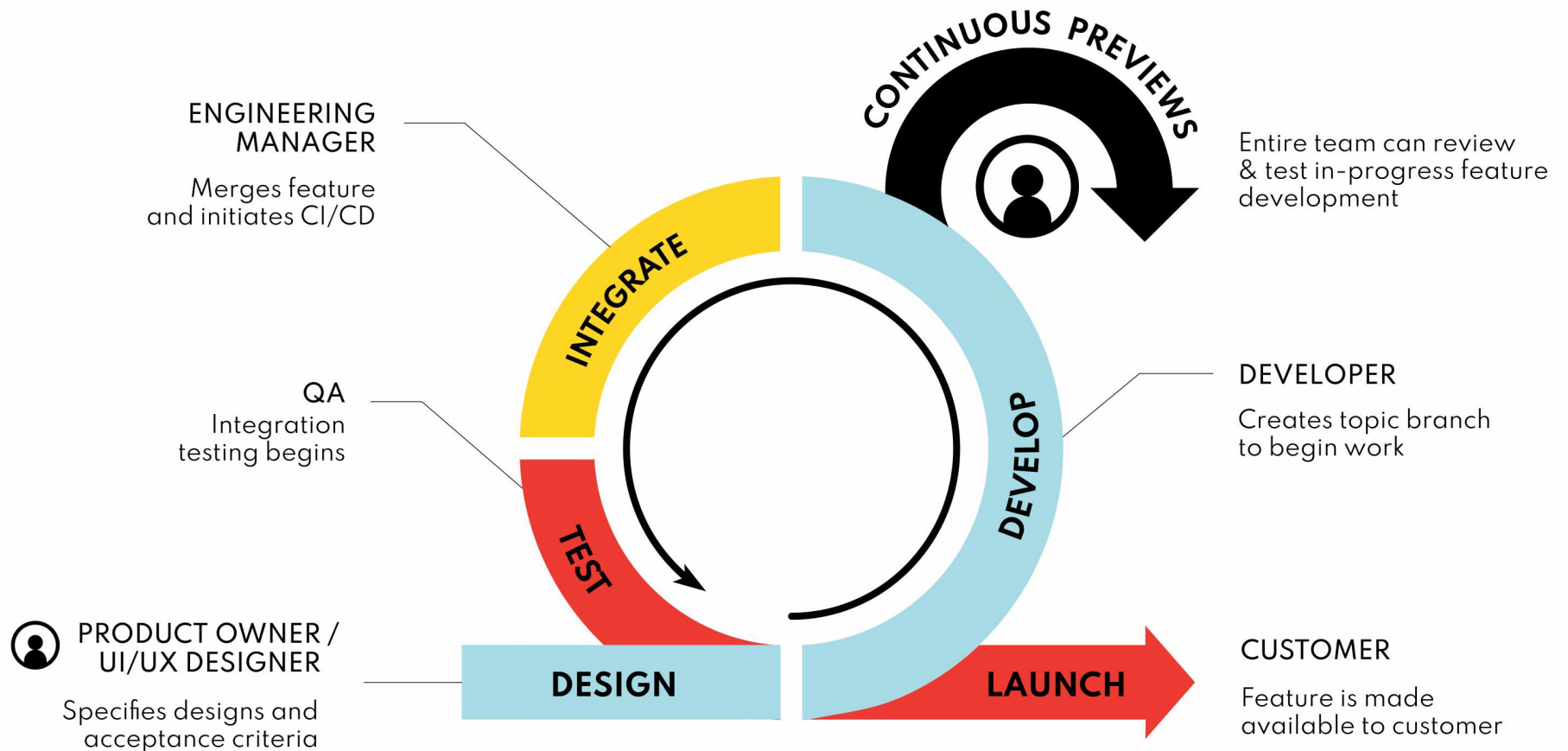
The 11 Principles of CP

1. Significantly Easier to fix issues Pre-merge than Post-merge
2. Bring QA into the Development Process (Continuous Collaboration)
3. Confirm Functionality Prior to Integration
4. Isolated Feature Testing (Separation of Concerns) over batch testing
5. Tight Integration between Ticketing, Repositories, and Infra
6. No additional burdens on the Dev Team
7. Limit Context Switching
8. Reliance on Automation
9. Reduce Reliance on Critical Single Points of Failure (i.e. persistent QA environment)
10. Empower Devs with Feature-level test environments
11. Support for Full-stack: FE, BE, Microservices, APIs, backing services. . .

References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)

CP and Agile



References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)

Traditional

Testing begins post-integration

Delayed Feedback Loop

Feature & Integration testing are done in batches / coupled

Persistent QA / Test Environment = Single Critical Point of Failure

Higher Risk in “Bricking QA”

More Context Switching

CP

Testing begins pre-integration

Continuous Feedback Loop

Feature & Integration testing are isolated / decoupled

On-demand Test Environments (as many as you need)

Lower Risk of “Bricking QA”

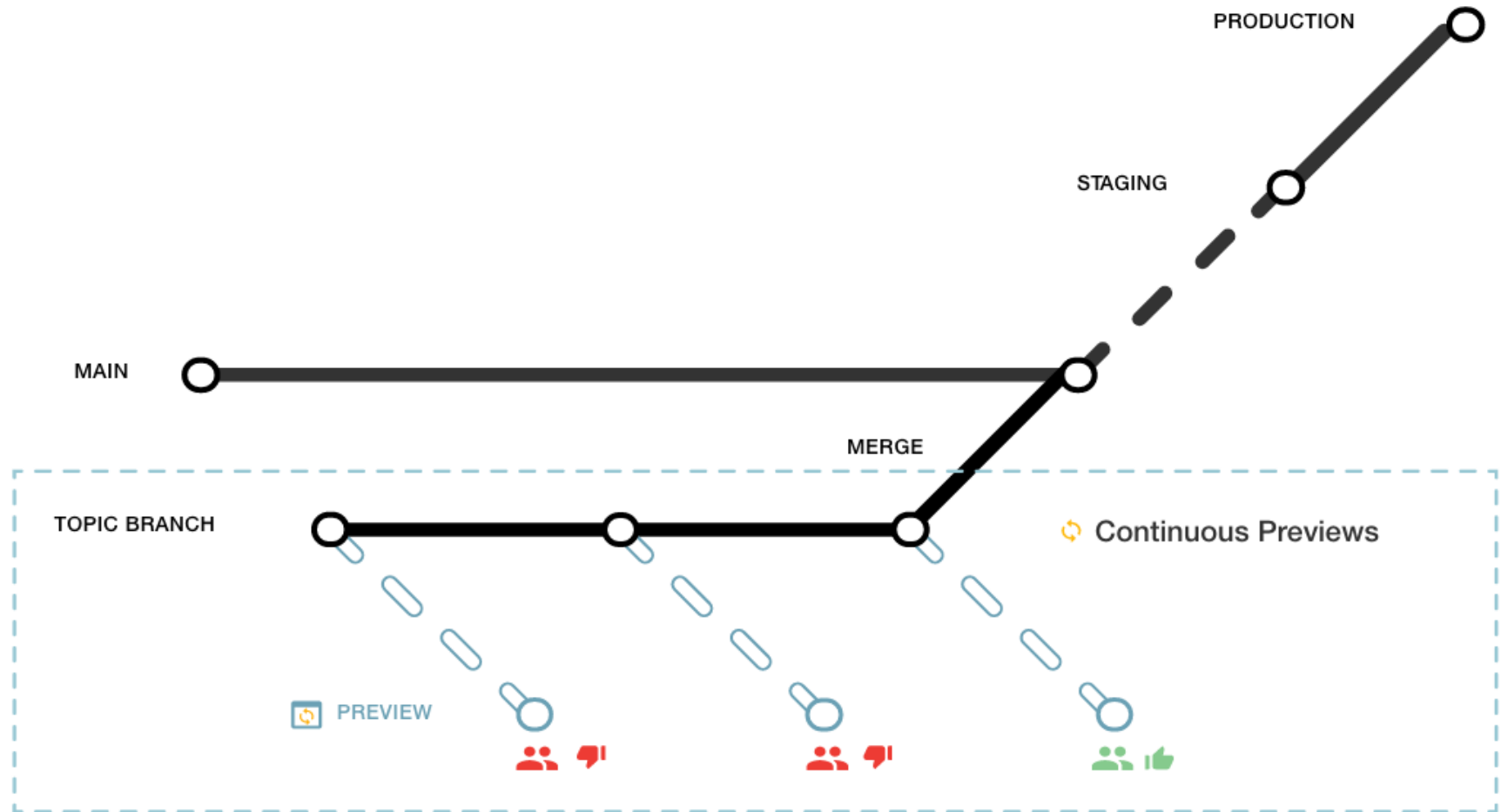
Limited Context Switching

References-

1. agilemanifesto.org

2. cpmanifesto.org / [Git Source](#)

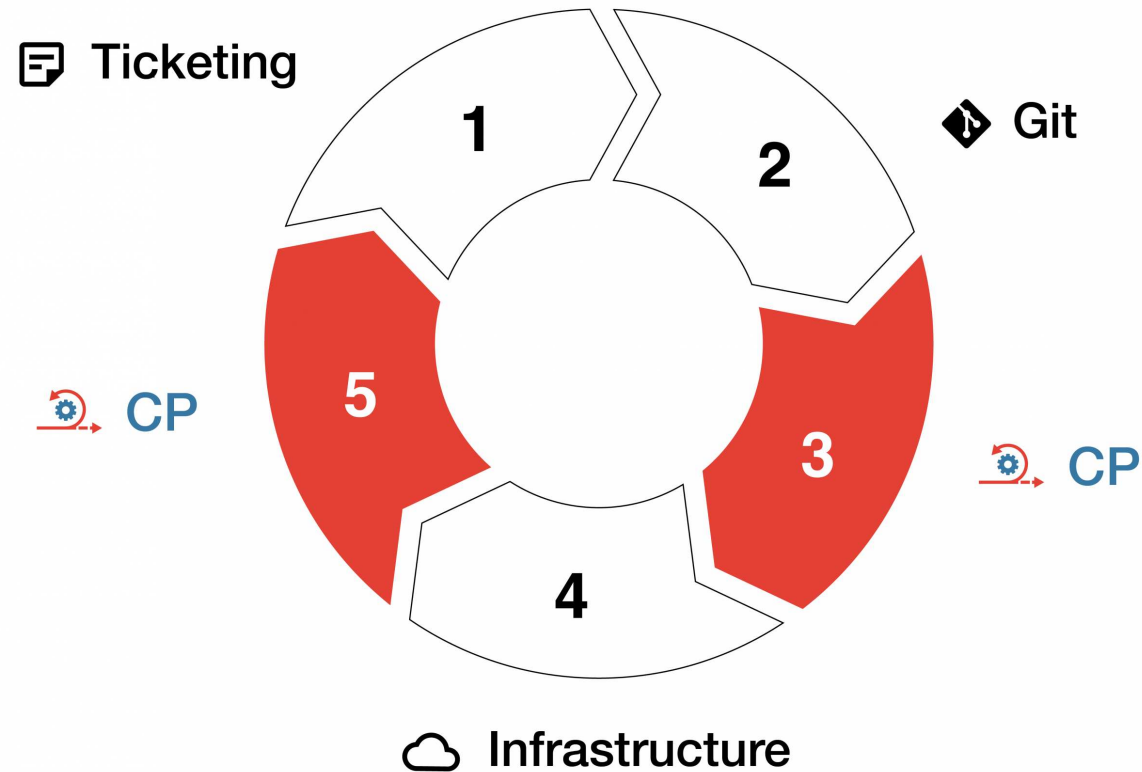
CP and Branching



References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)

The CP Loop



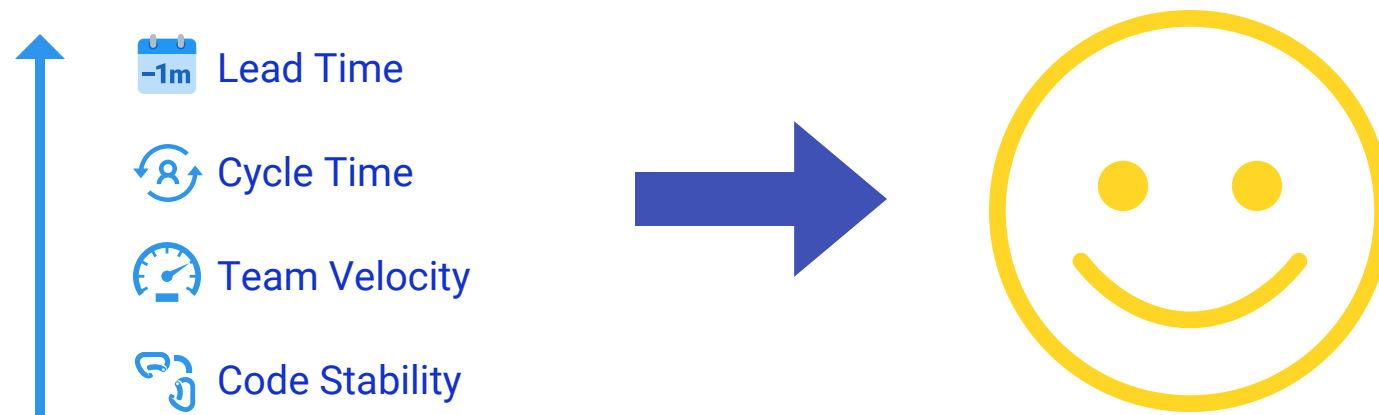
References-

1. agilemanifesto.org

2. cpmanifesto.org / [Git Source](#)

Continuous Previews make it easy to collaboratively review and test in-progress feature development for full-stack applications.

- Acceptance Testing can happen **earlier** in the Development Process
- **Accelerate** Iterative Feedback Loops
- Testing **Simplified**
 - Feature test in isolation
 - Separate Feature Testing from Integration Testing



References-

1. agilemanifesto.org
2. cpmanifesto.org / [Git Source](#)