

DevOps End-to-End



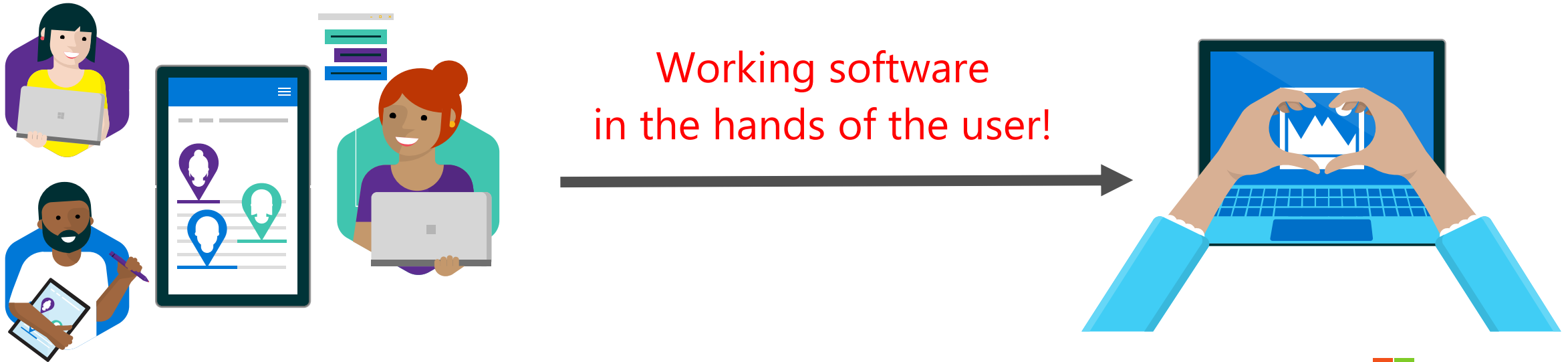
René
Schumacher



Daniel
Minigshofer

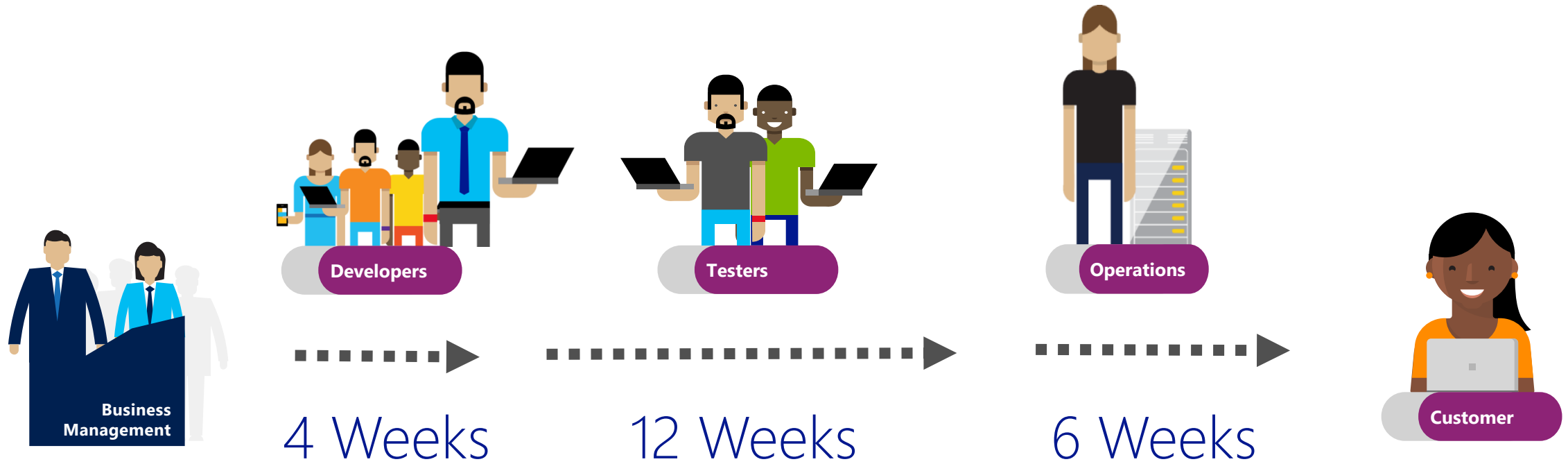
Goal

We want to find ways to deliver high-quality, valuable software in an efficient, fast and reliable manner.



Continuous Flow over Manual Process

Value Stream

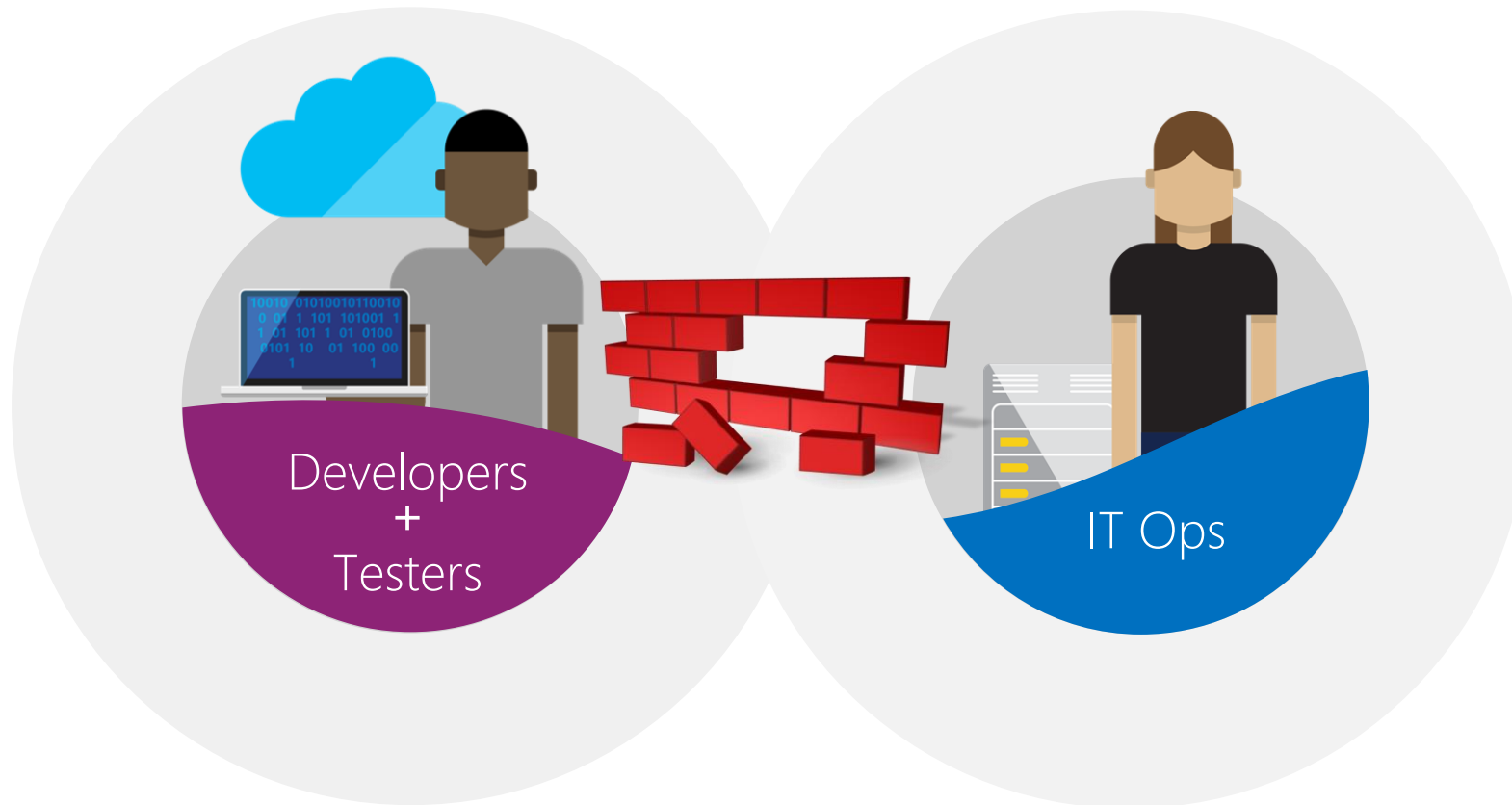


Fix Value Stream



Solution





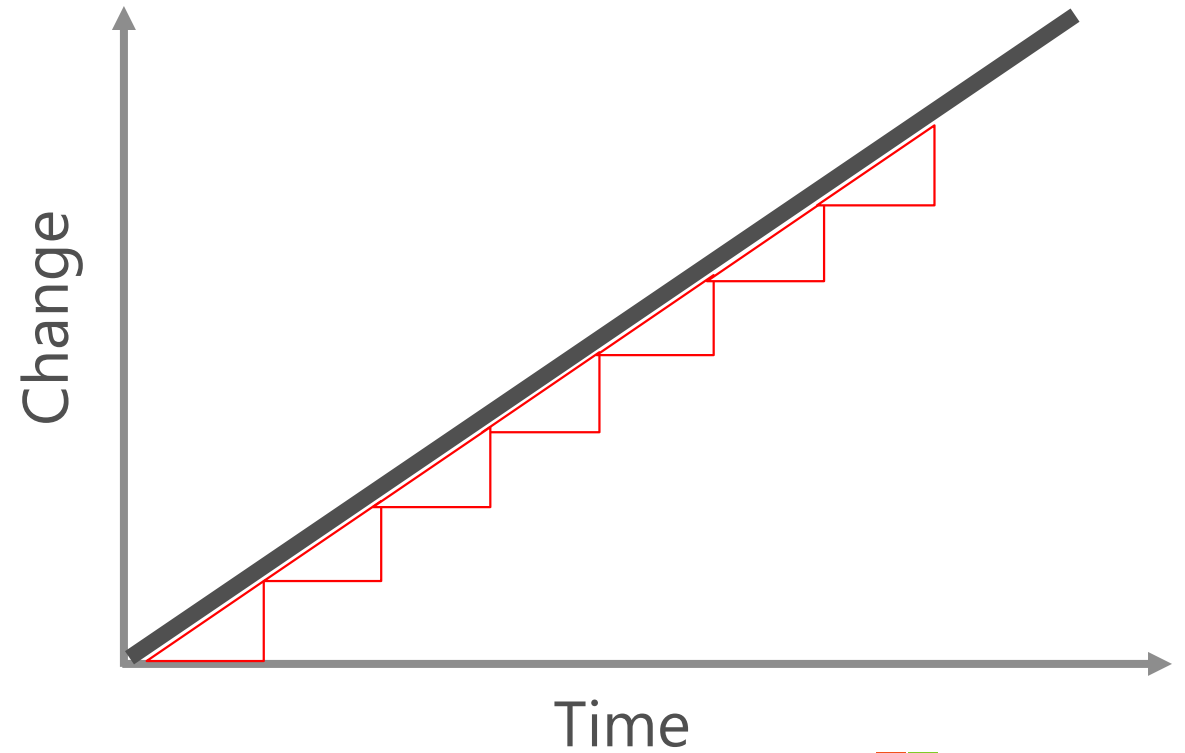
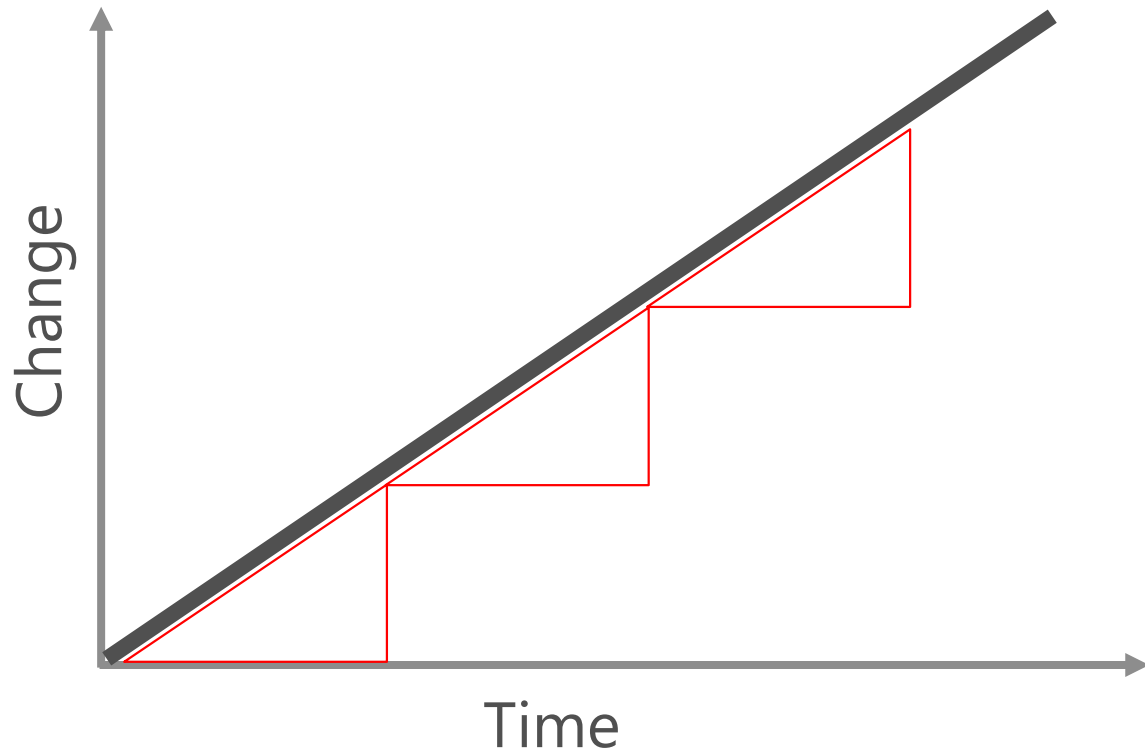
Continuous Delivery Continuous Deployment

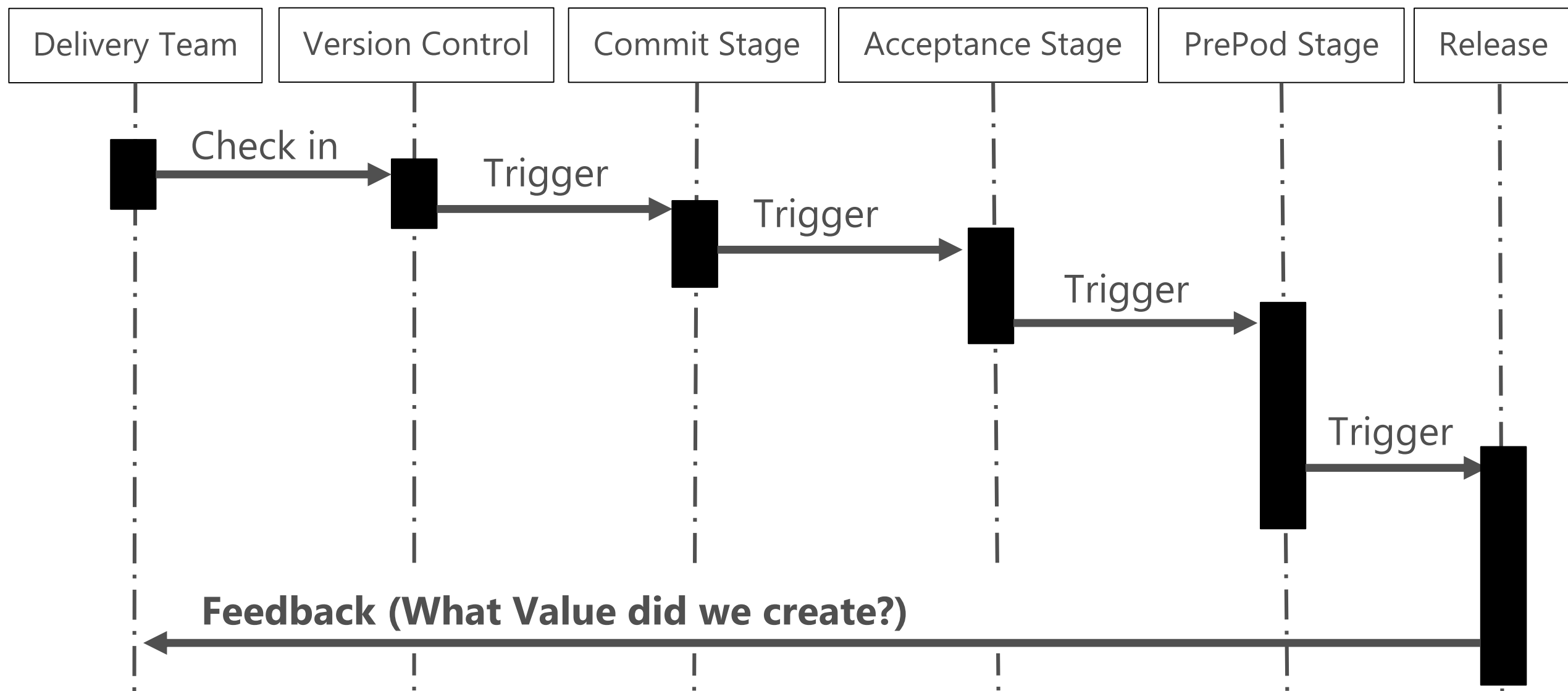
Software Deployments

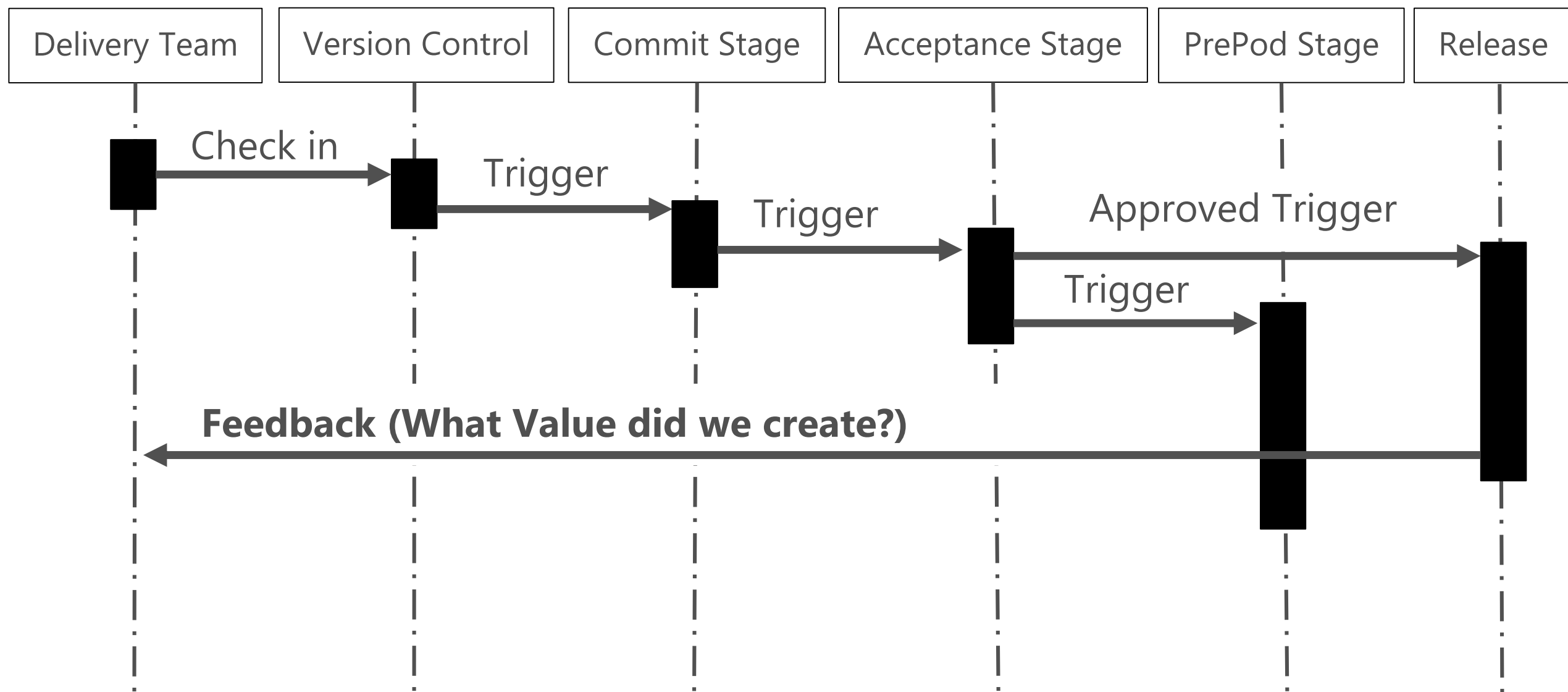


Human error	40%
Software quality	30%
Missing patches	20%
Other	10%

Releasing Frequently

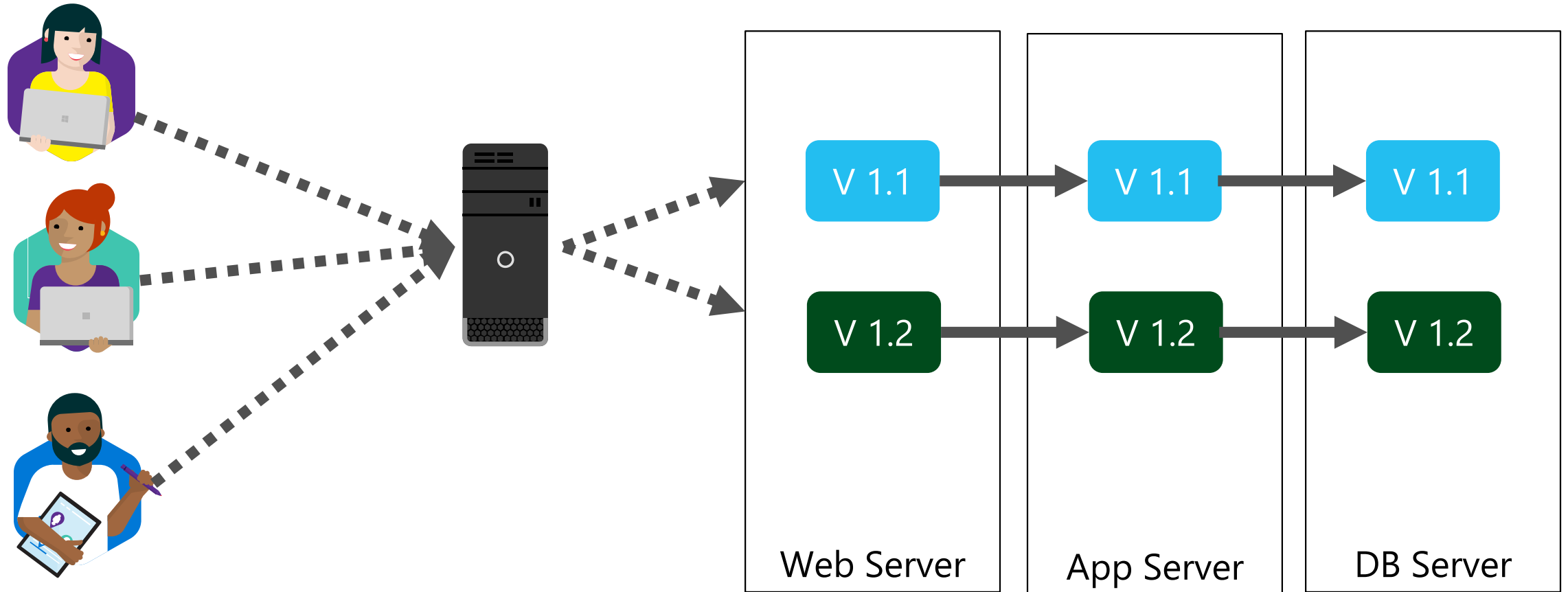




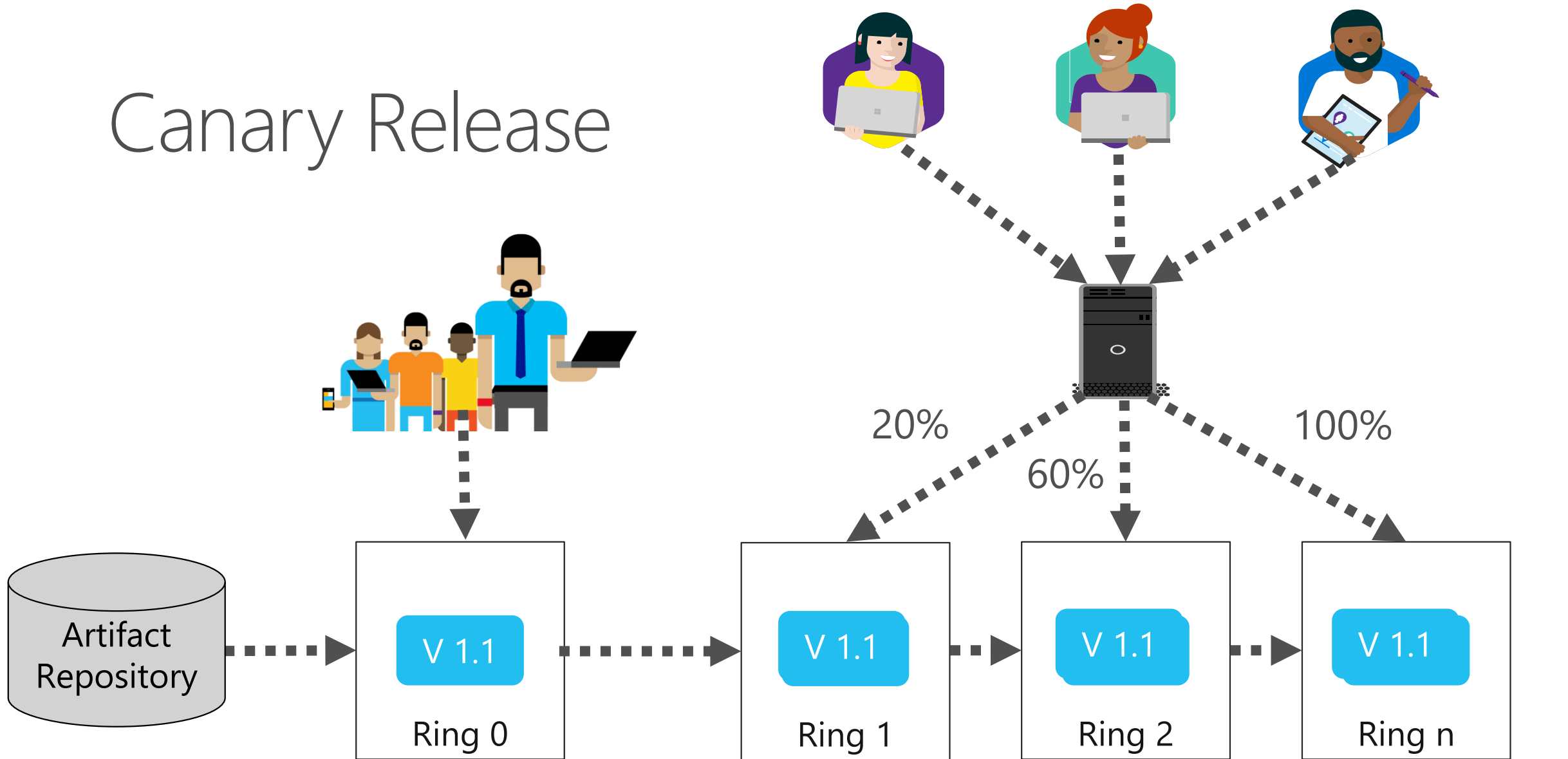


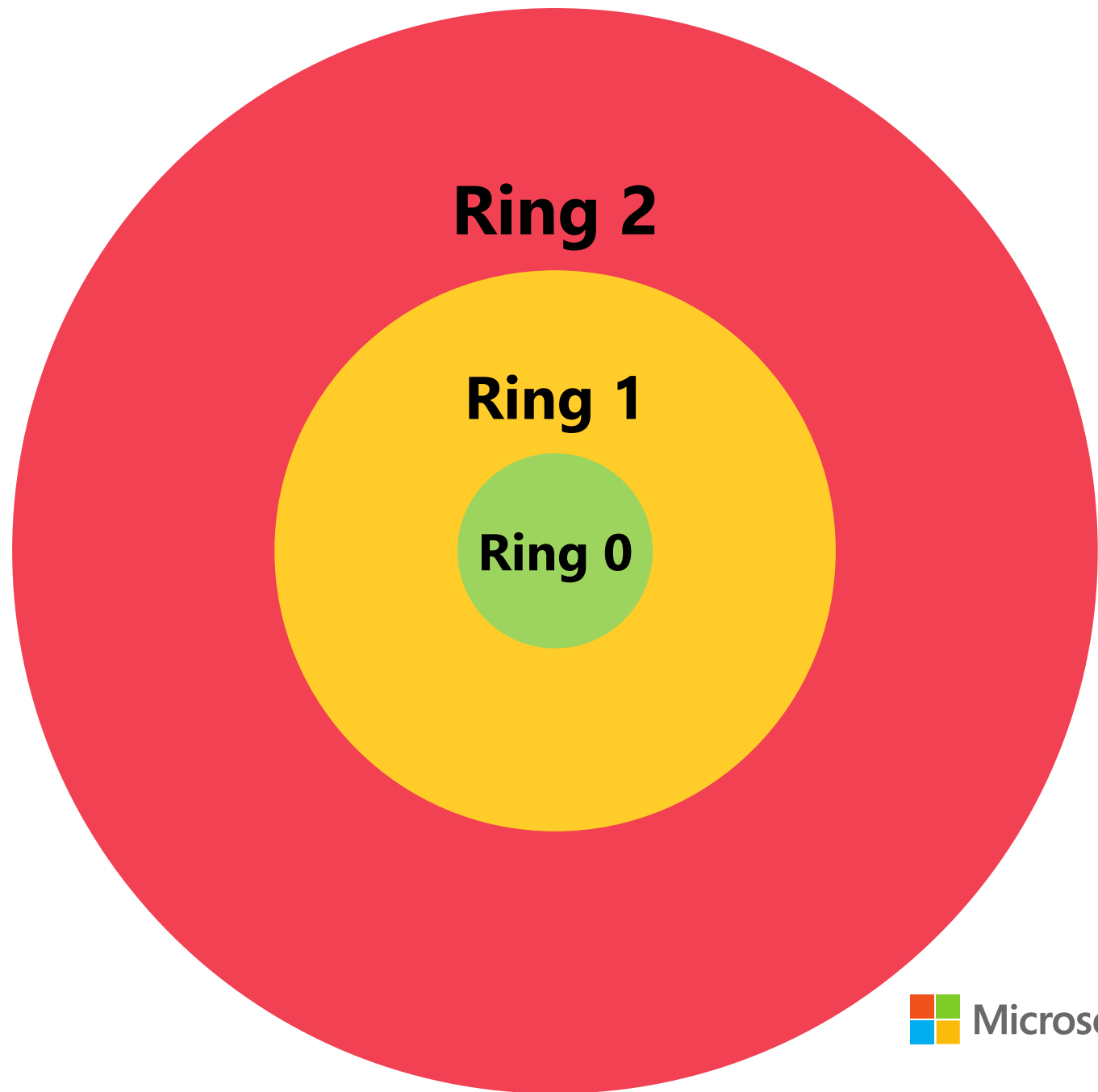
Release Strategies

Blue-Green Deployments

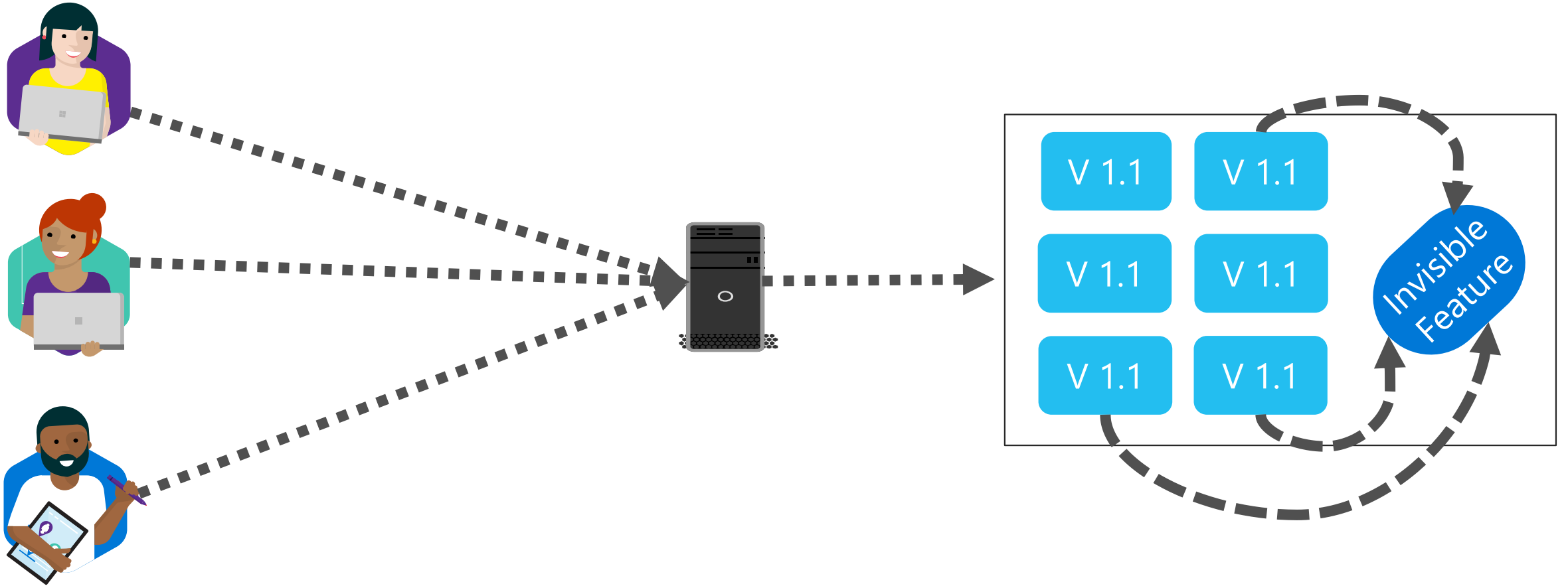


Canary Release

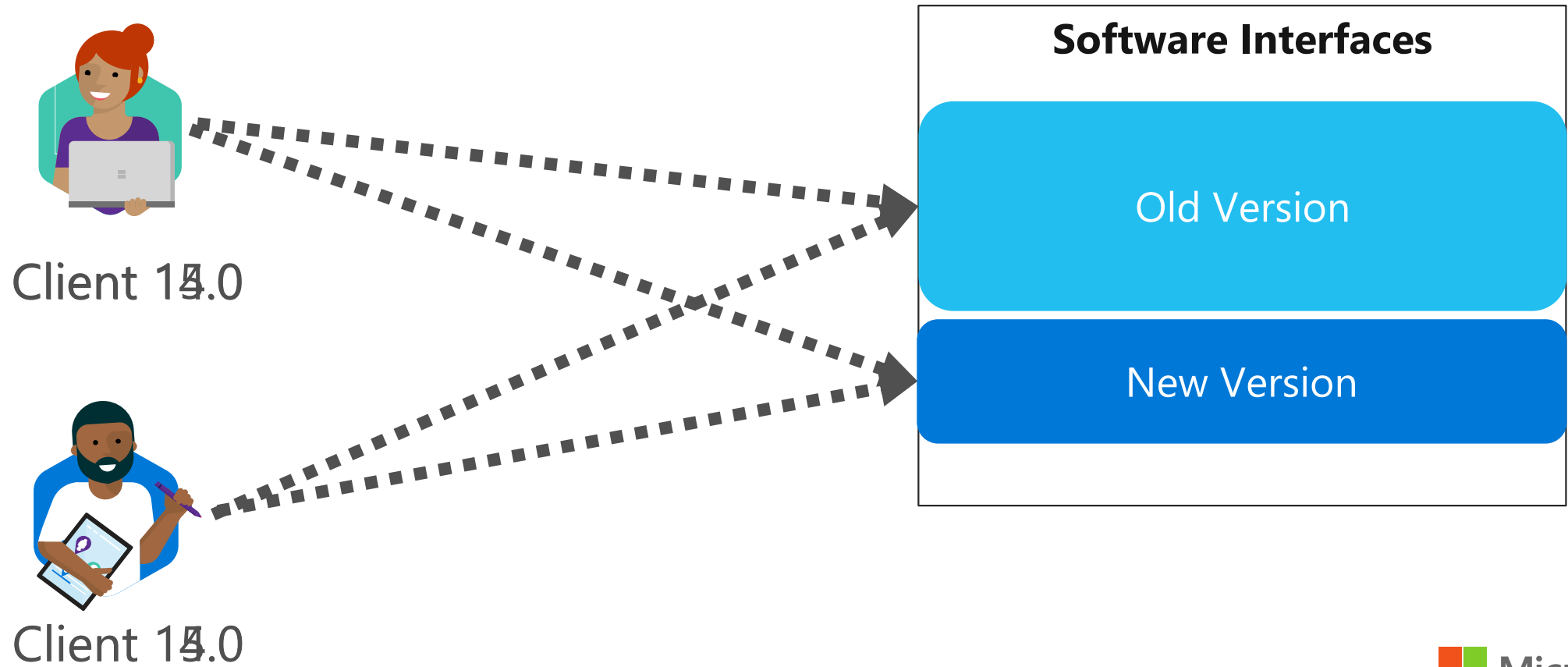




Dark Launching



Parallel Change



Metrics

Metrics

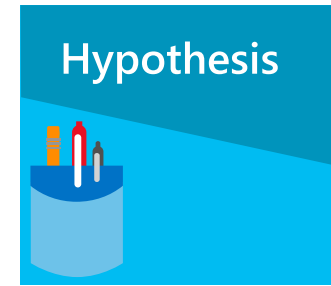
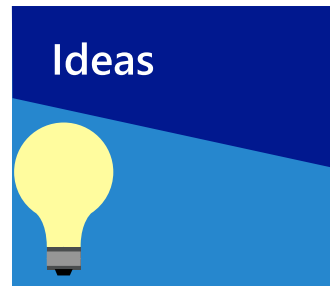
Deployment (or change) frequency

Deployment success rate

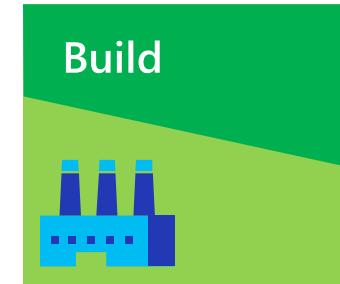
Lead time

Mean time to recover (MTTR)

Summary



Minimize the
total time
through the loop



DevOps Manifesto

Product over Project

Generalist over Specialist

Continuous Flow over Manual Process

Feedback over Assumptions

That is, while there is value in the items on the right, we value the items on the left more.

Thank you

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