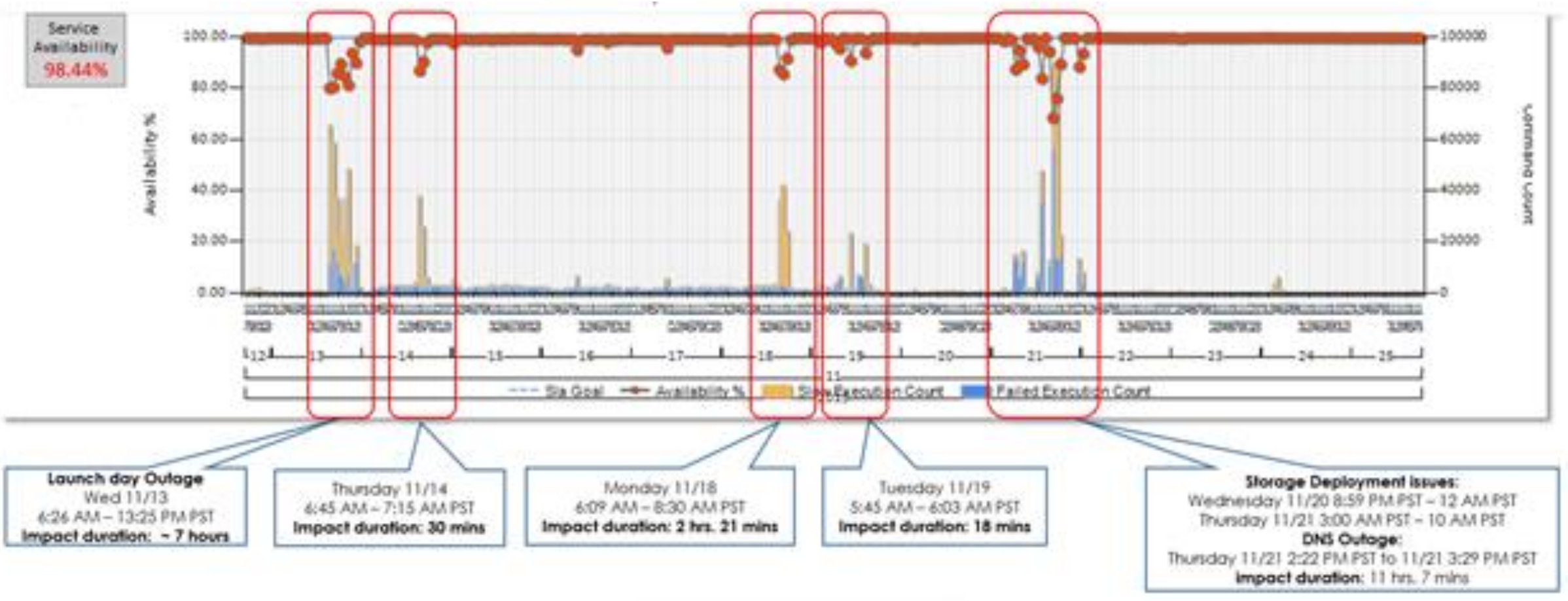
Microsoft

Cloud and DevOps

@daltskin

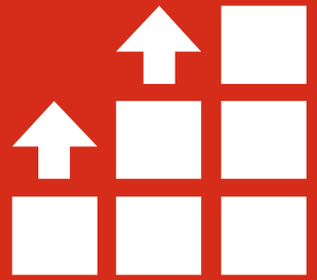

Service Availability
98.44%
Availability %
Failed Execution Count
Launch day Outage
Wed 11/13
6:26 AM – 13:25 PM PST
Impact duration: ~ 7 hours
Thursday 11/14
6:45 AM – 7:15 AM PST
Impact duration: 30 mins
Monday 11/18
6:09 AM – 8:30 AM PST
Impact duration: 2 hrs. 21 mins
Tuesday 11/19
5:45 AM – 6:03 AM PST
Impact duration: 18 mins
Storage Deployment issues:
Wednesday 11/20 8:59 PM PST – 12 AM PST
Thursday 11/21 3:00 AM PST – 10 AM PST
DNS Outage:
Thursday 11/21 2:22 PM PST to 11/21 3:29 PM PST
Impact duration: 11 hrs. 7 mins

What's DevOps?

DevOps is a full lifecycle investment

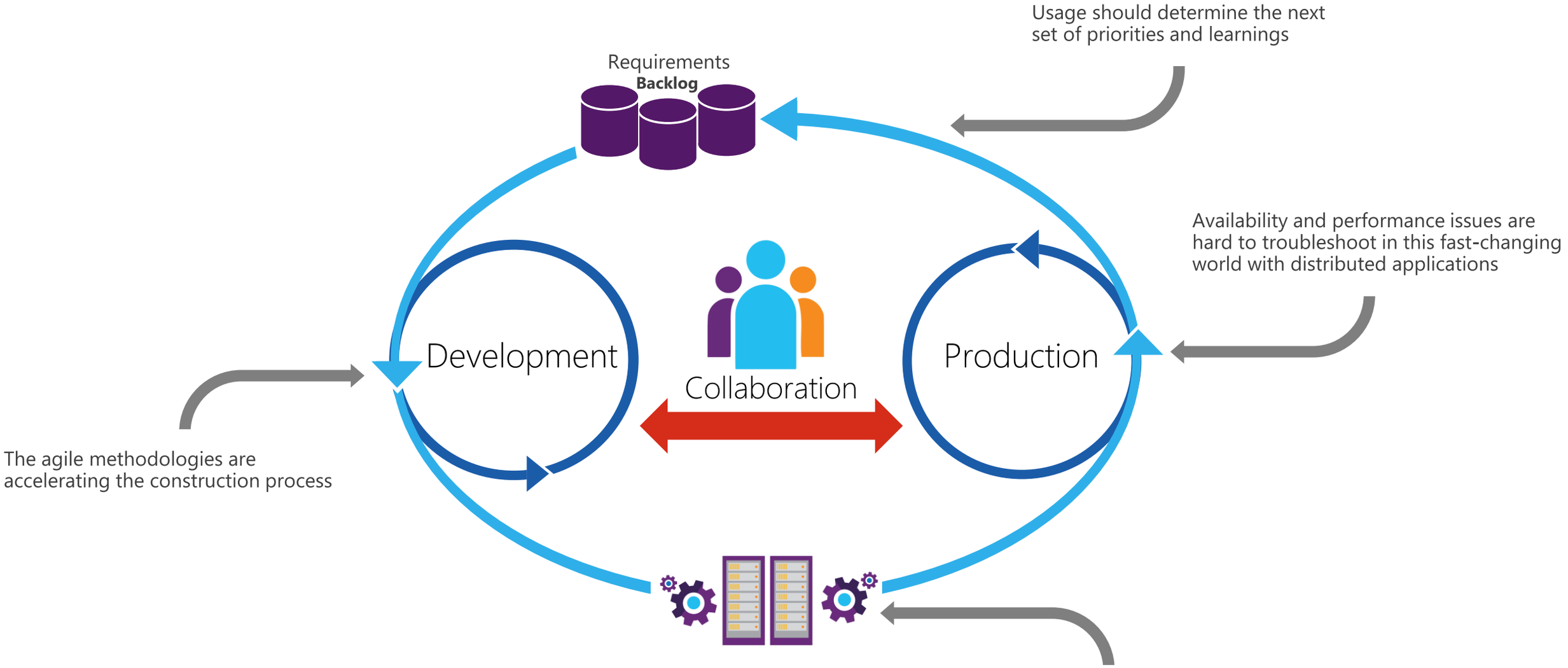
DevOps is a team undertaking

DevOps enables better software development and delivery practices



DevOps accelerates the last mile of continuous delivery

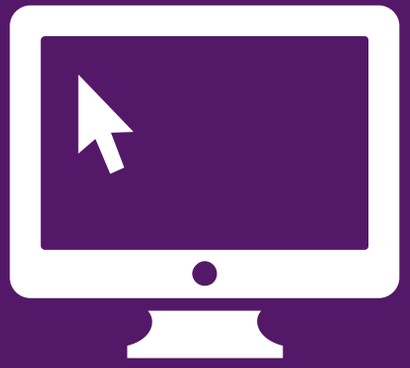
What's driving DevOps?



DevOps flavors

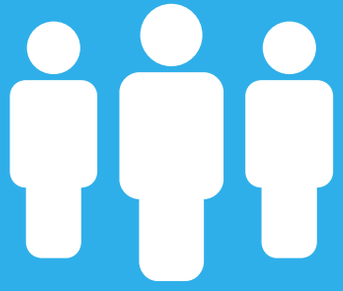
WebOps

Google, Amazon, Twitter, Facebook, Xbox Live, etc.



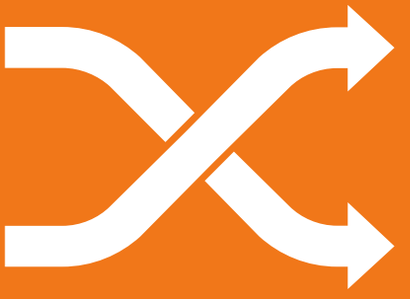
NoOps

Small web teams, start-ups

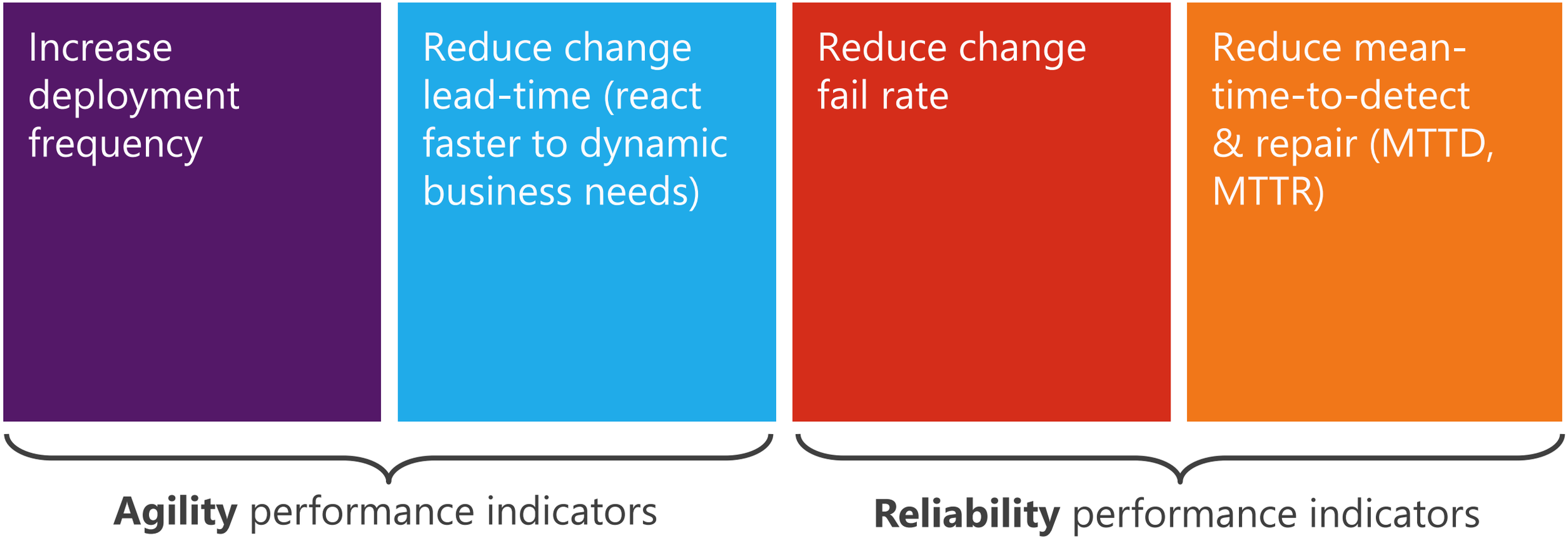


Enterprise DevOps

Cross-functional organizations



DevOps goals and success metrics



Increase the flow of value

Shorten cycle times

Optimize resources

Improve quality and availability

Hypothesis-driven development & continuous learning

Shorten cycle times

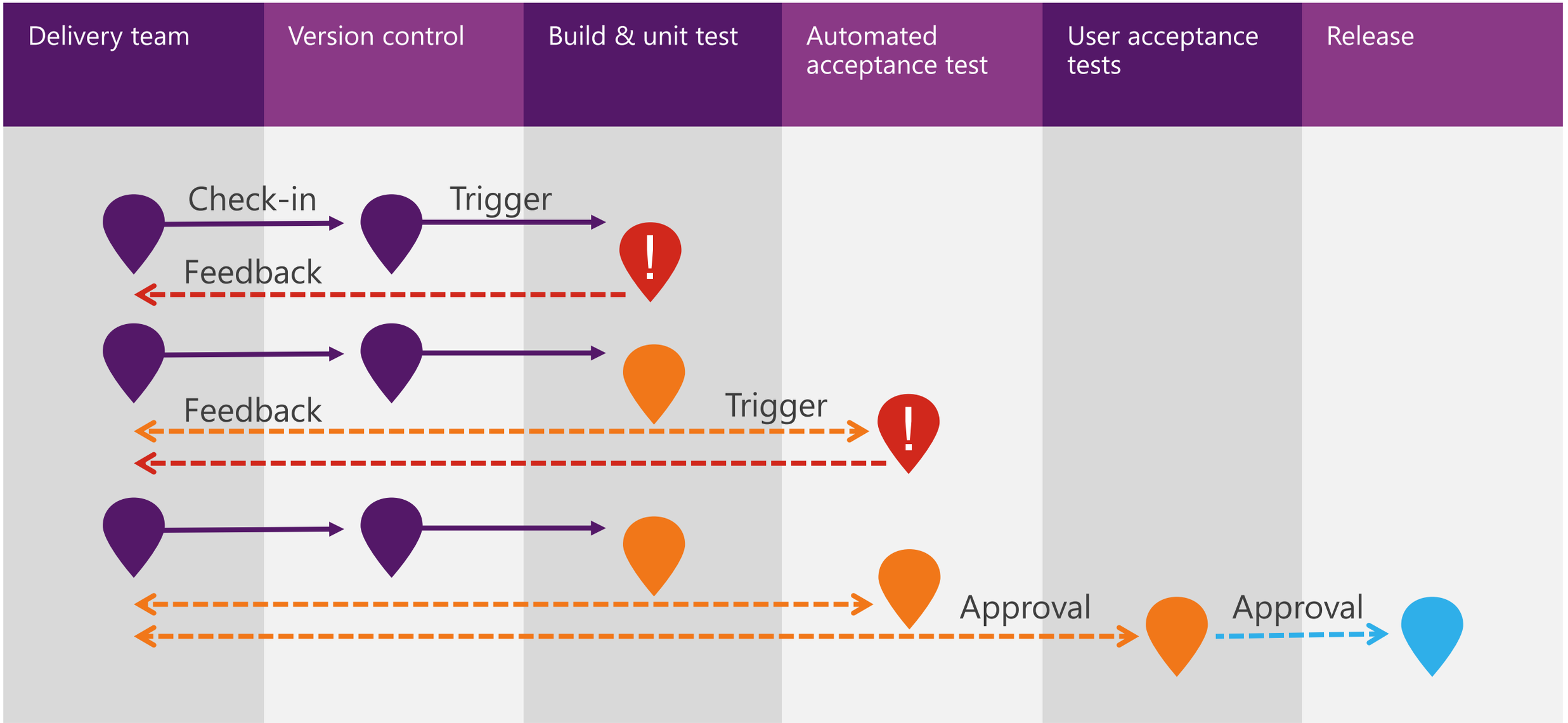
Continuous delivery

Each release has a large “Release Tax” to pay

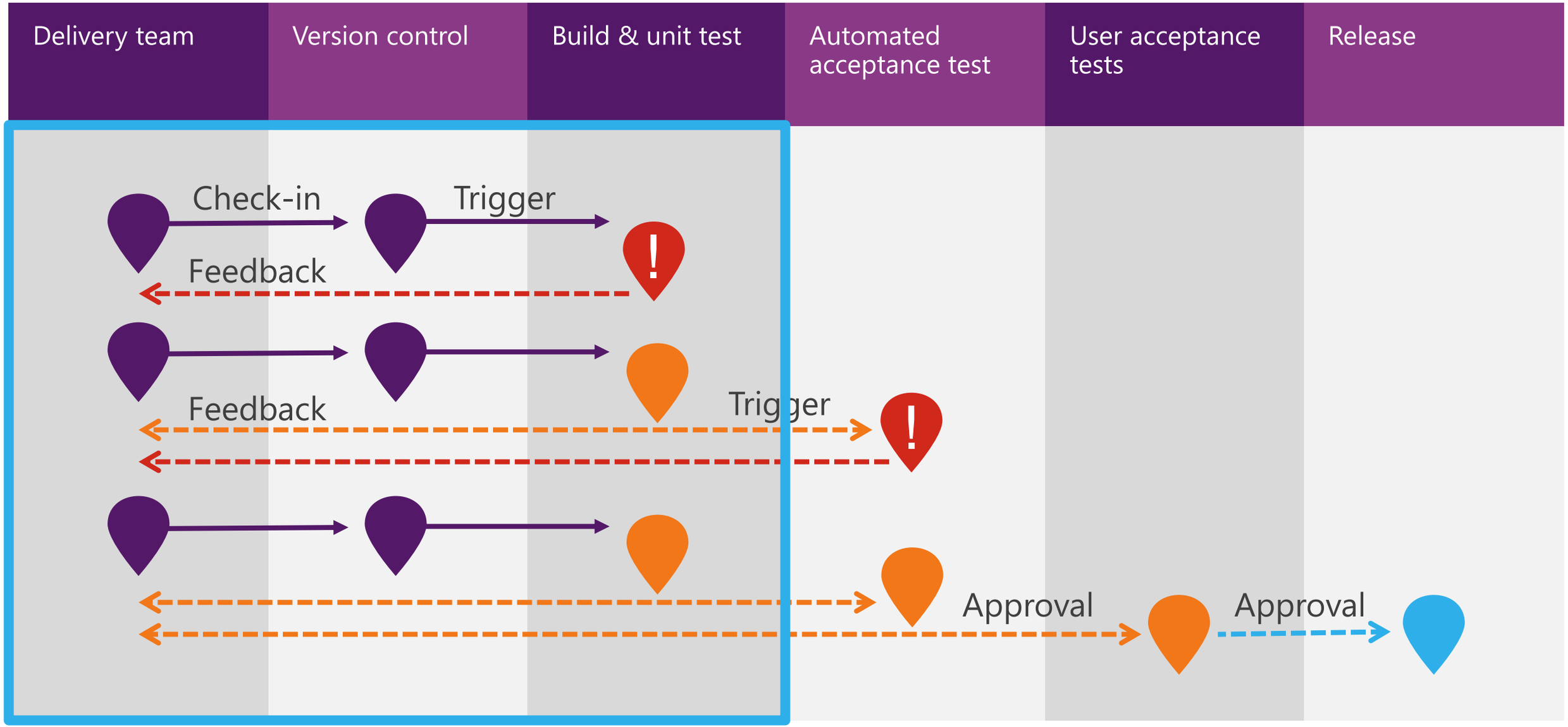
Developers work in agile iterations accumulating shippable bits many times before a release window is available

Manual testing is a significant effort Releases are high-risk requiring significant preparation

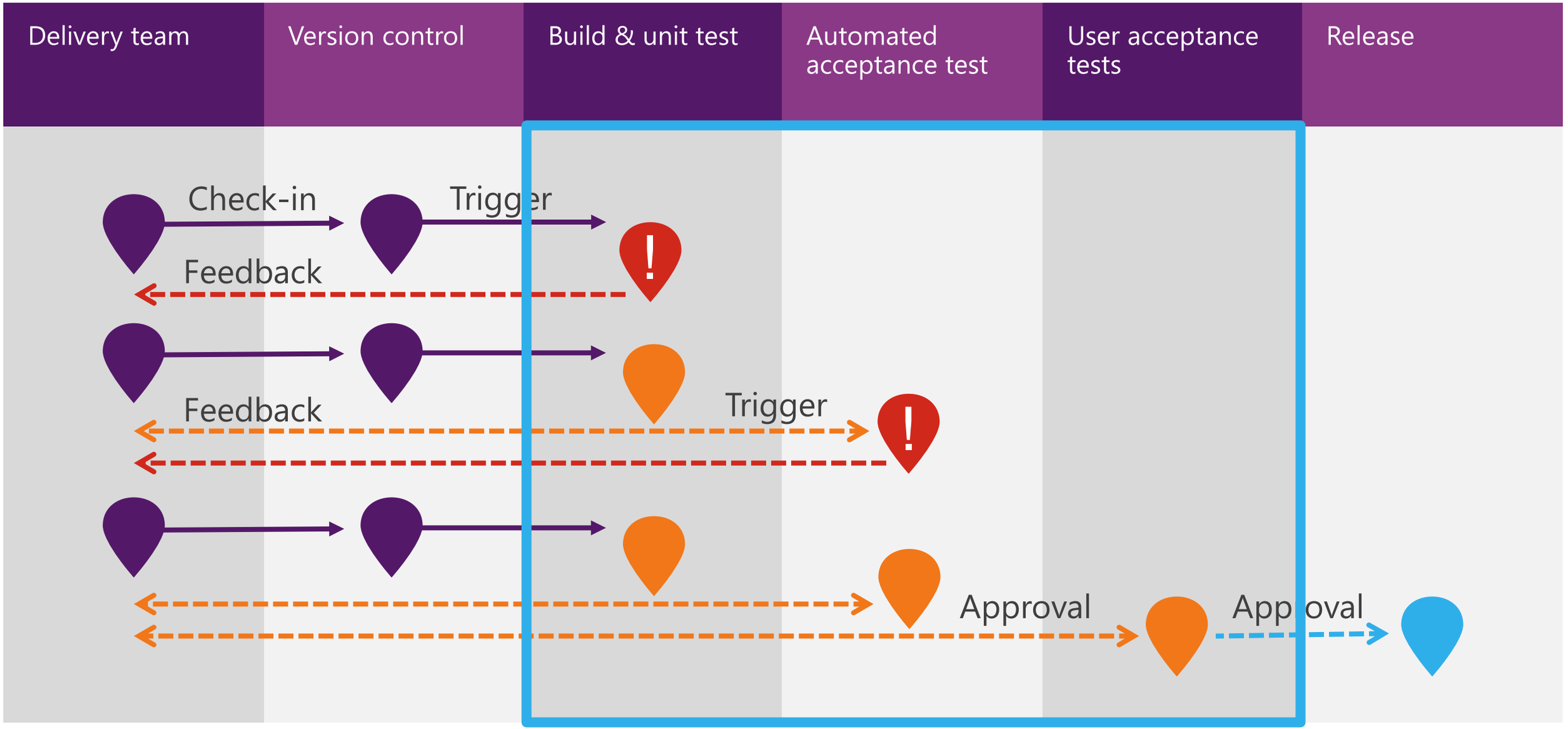
Continuous delivery process



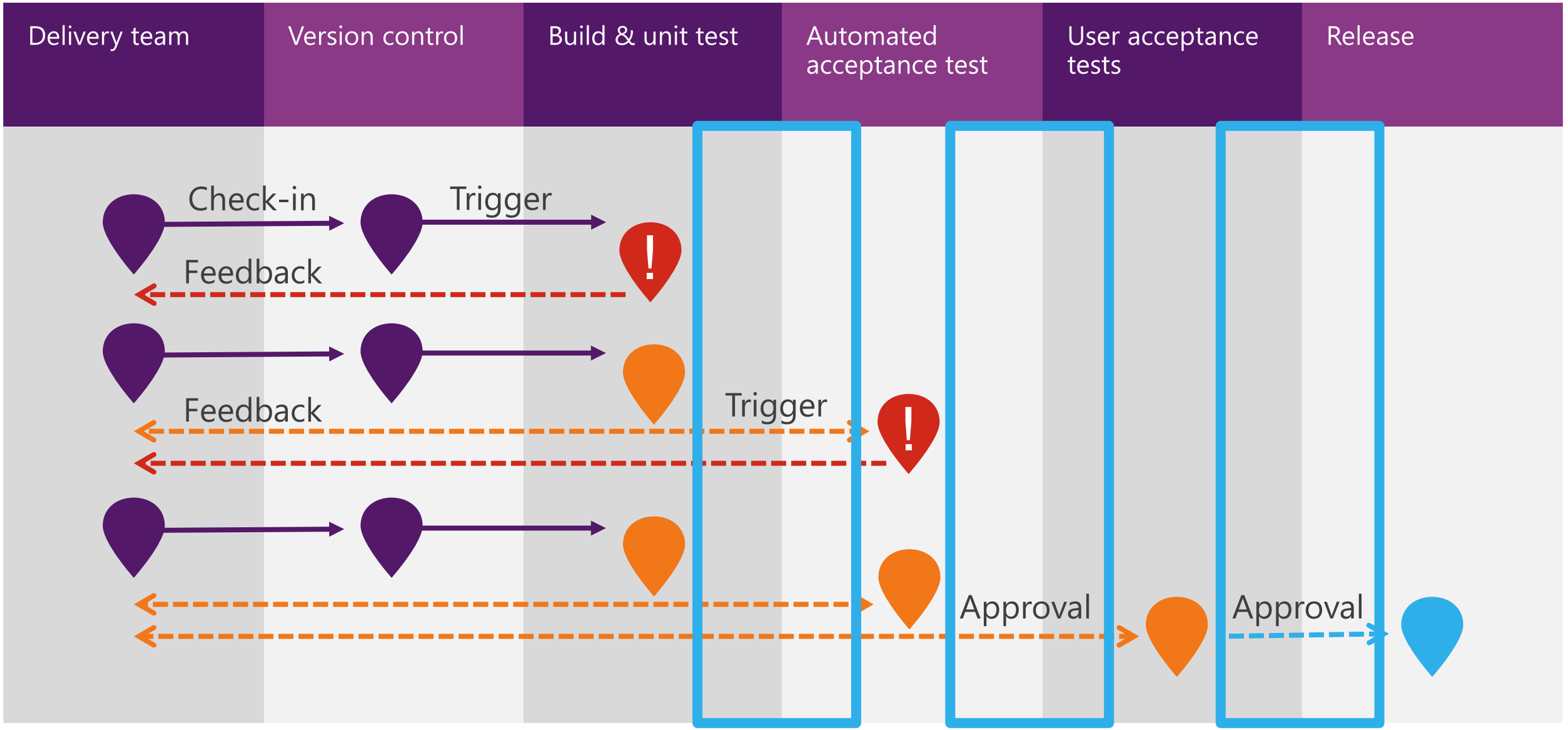
Continuous integration

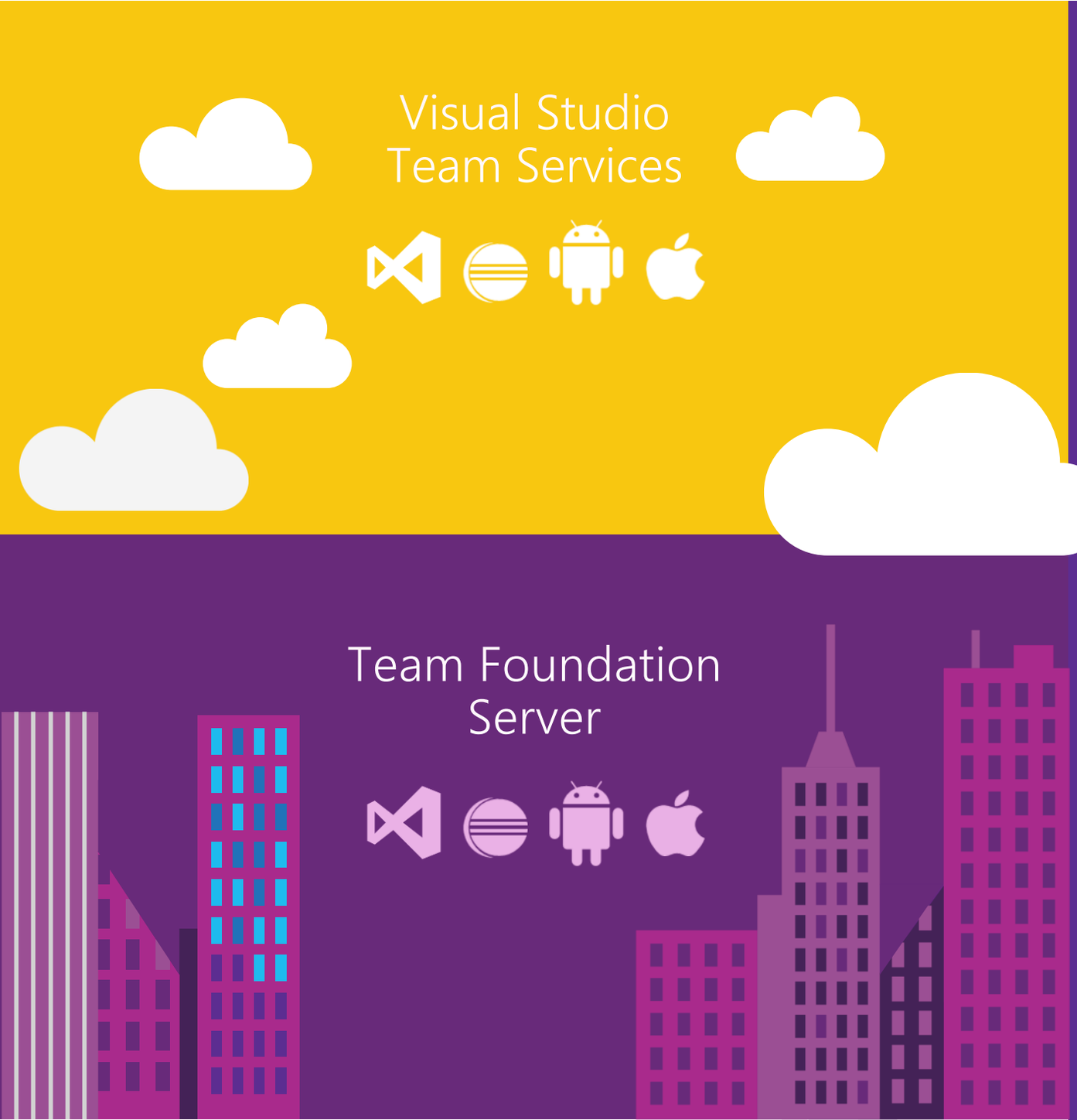


Continuous inspection



Continuous deployment



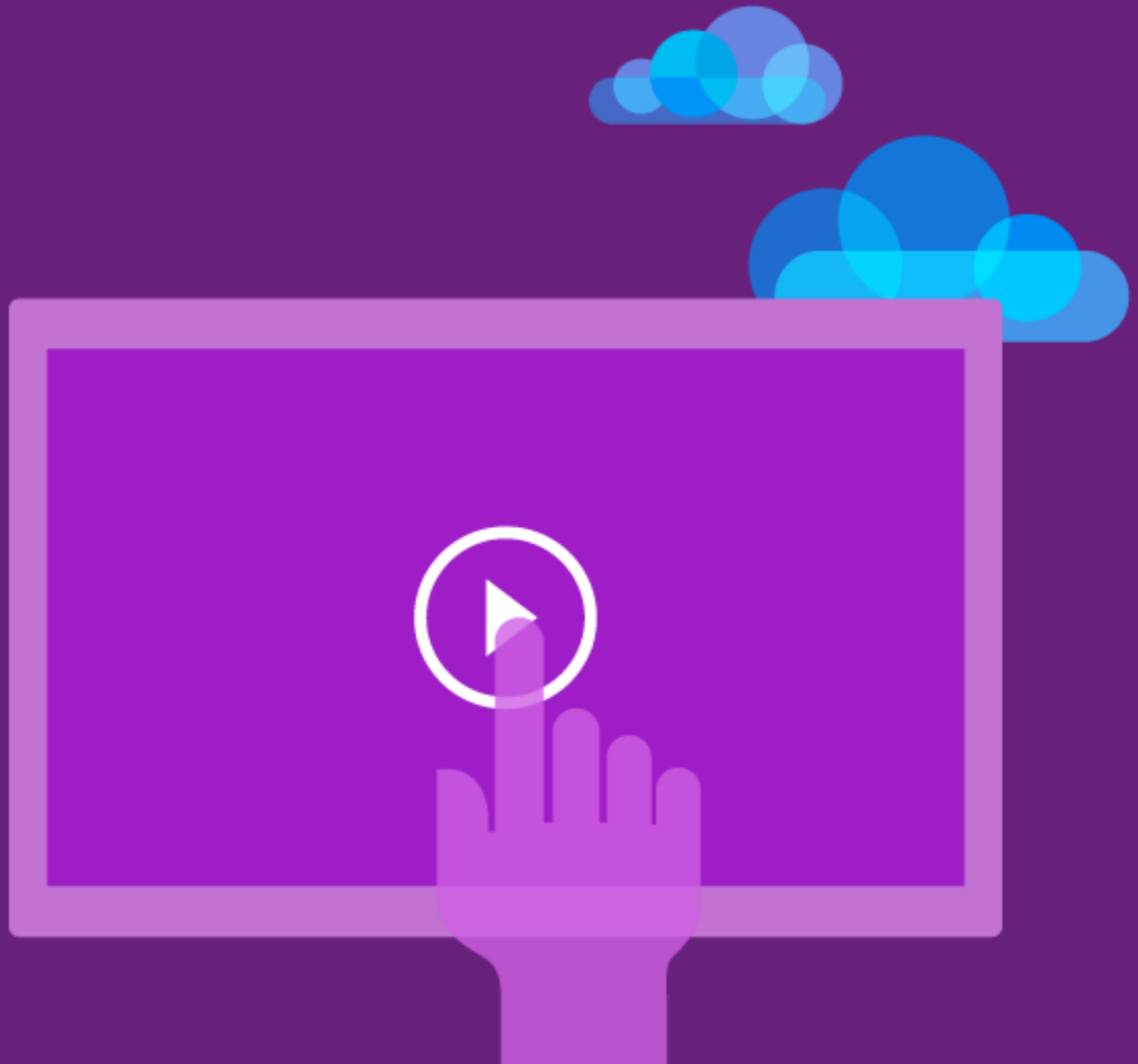


Flexible DevOps tools and a rich partner ecosystem

Open and extensible, supports your tools and technologies

Rich CI + CD experience for enterprise-scale development

Demo



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