

Continuous Delivery at Spotify

2006

2010

2014

2020



Move fast!
Debian packages
Manual installation
Ops people



Deployment infra for Debian packages

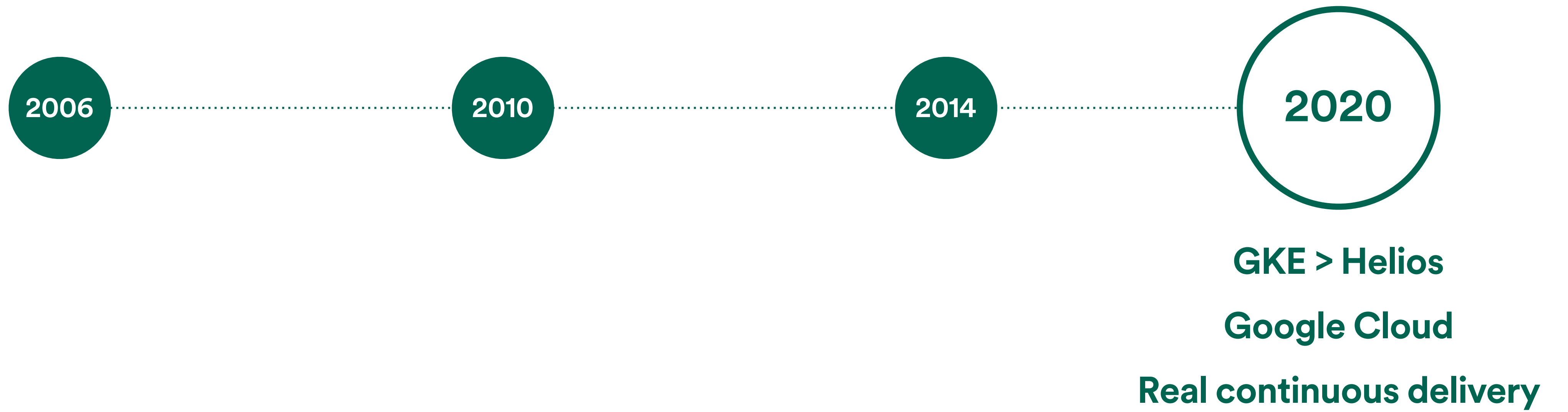
Manual machine provisioning

Devops in each team!

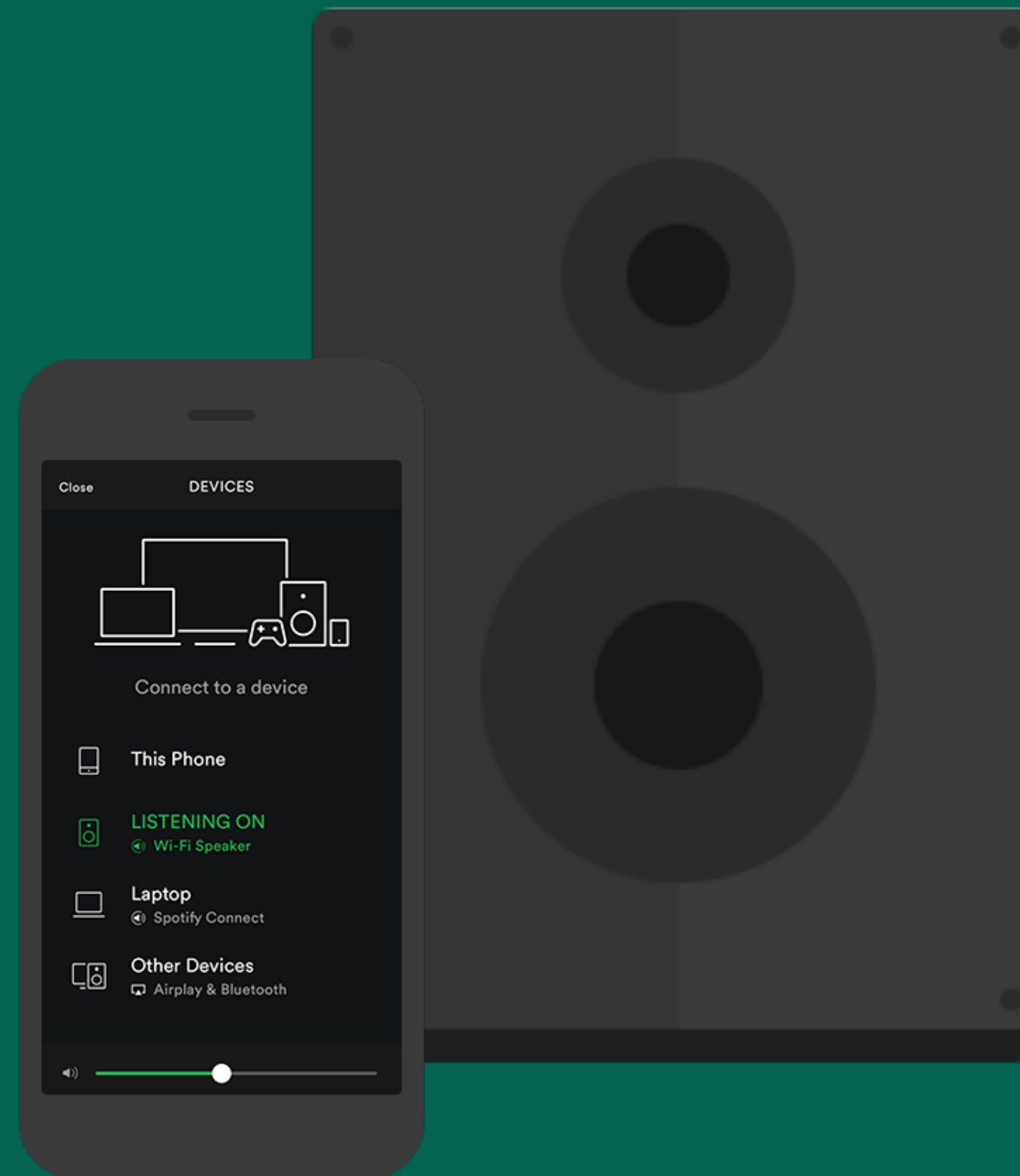
Microservices everywhere



Containers everywhere!
Automatic provisioning + Puppet
GitHub Enterprise (with fancy hooks!)
Helios container orchestration



Spotify Connect



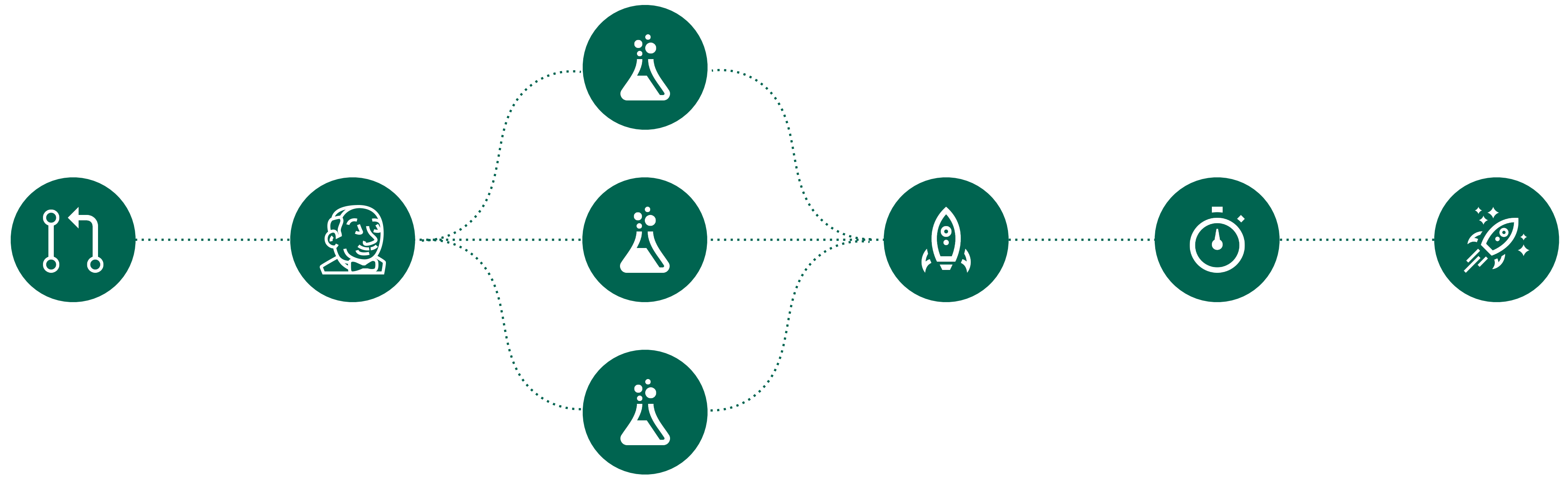
CD pipeline goals

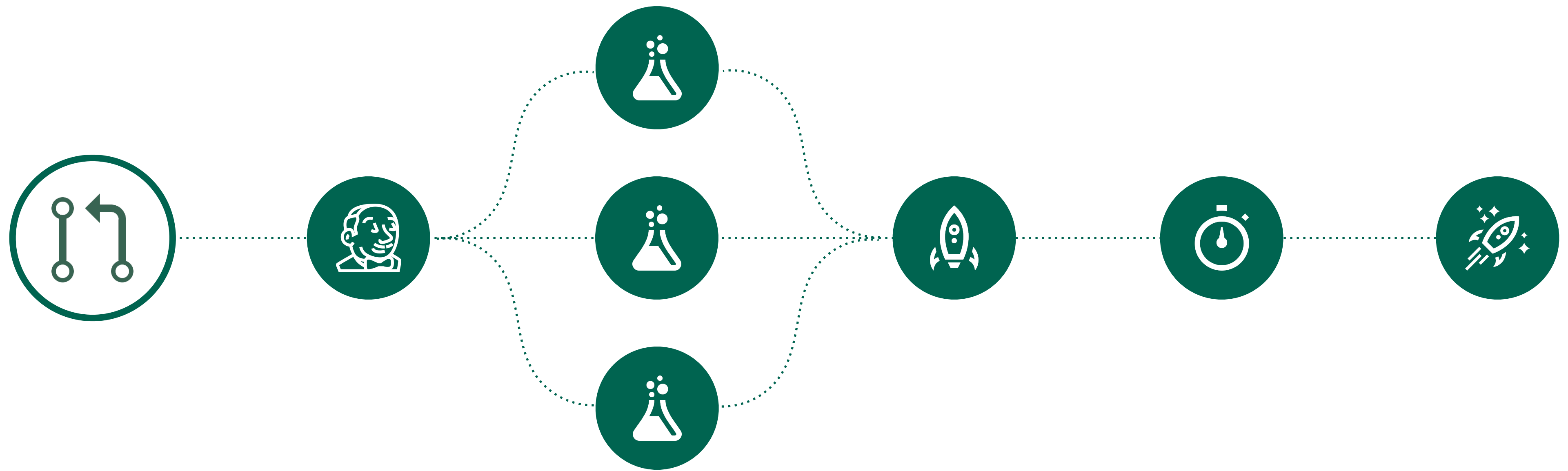
Automatically triggers deploy after each merge

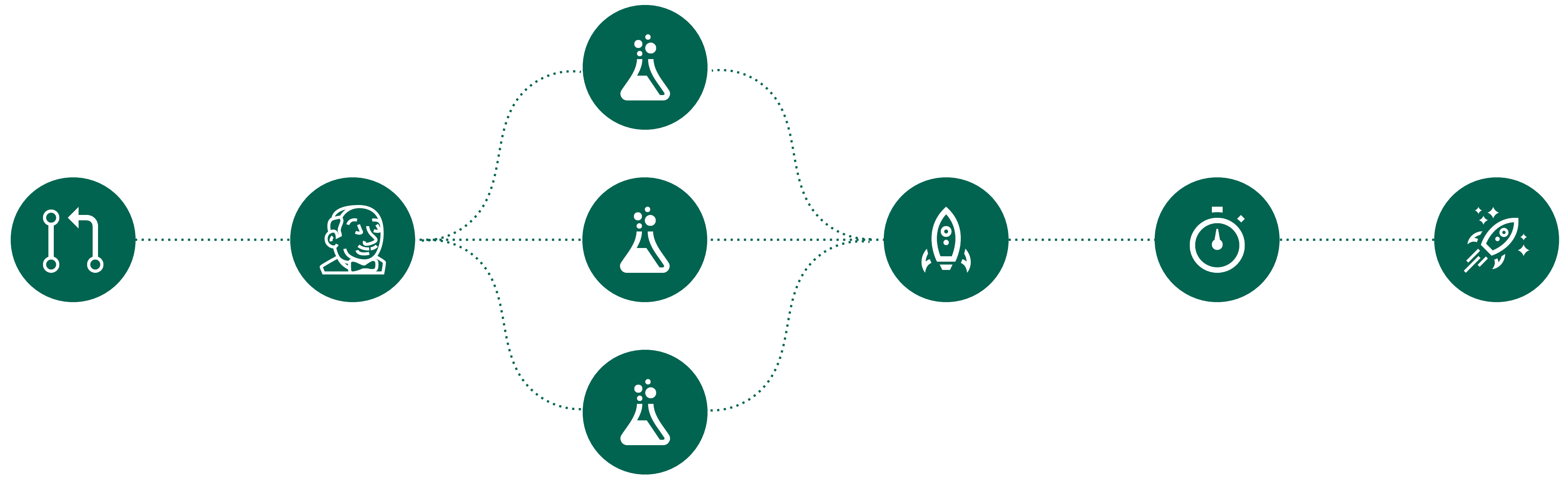
No unnecessary manual intervention

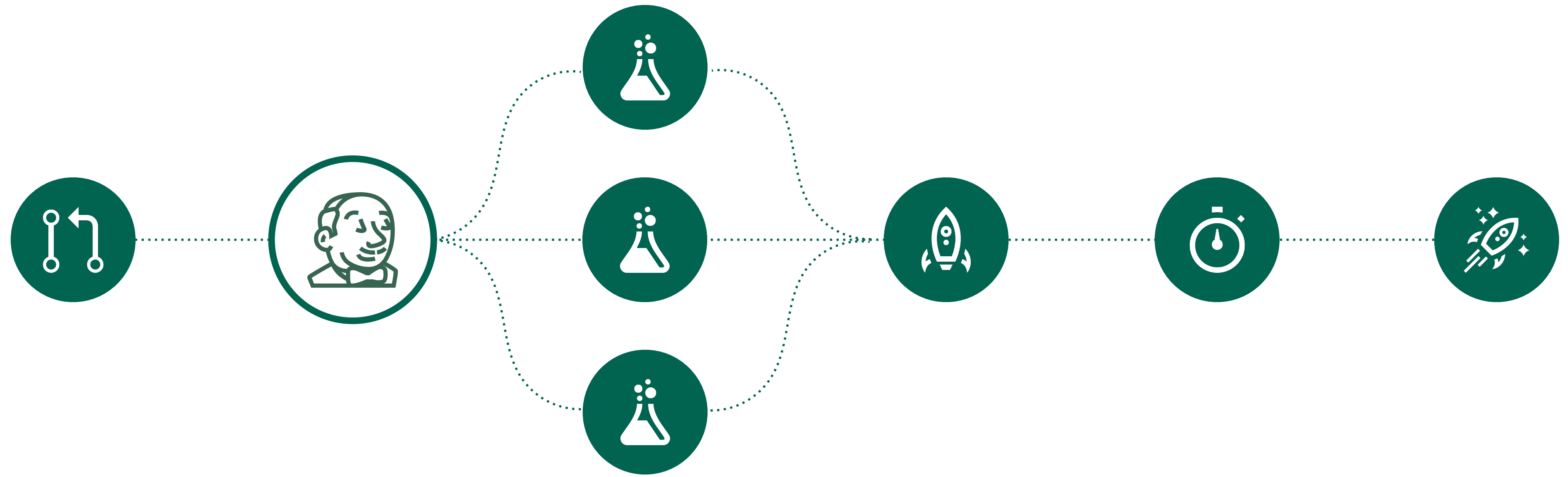
No staging environment

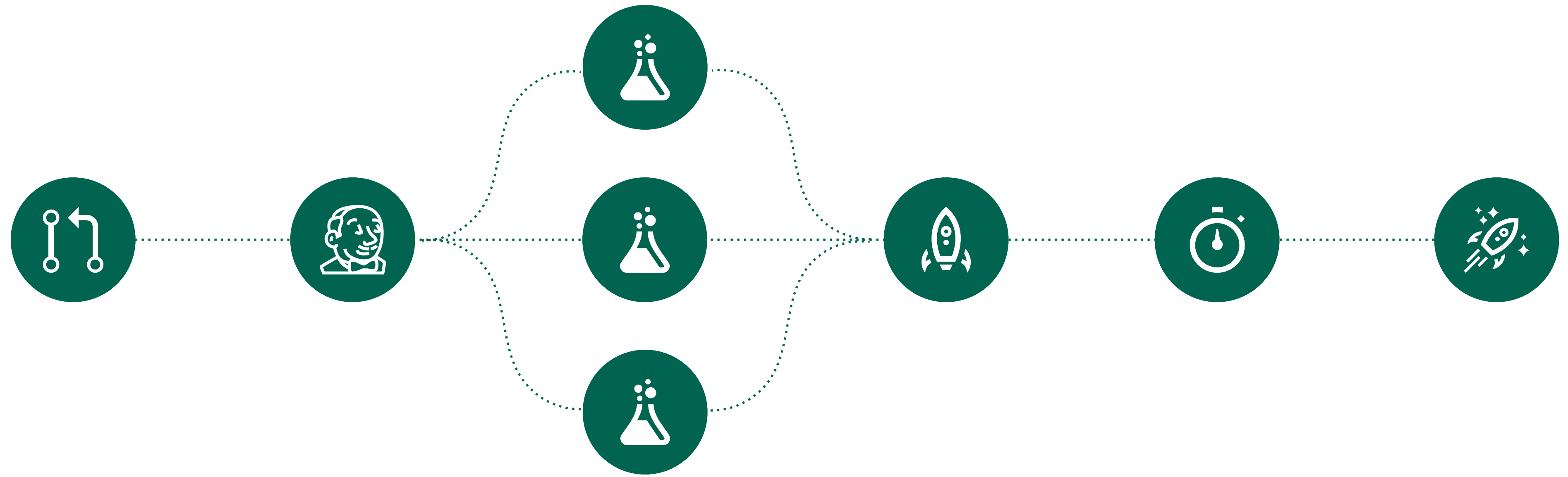
Really quick feedback times

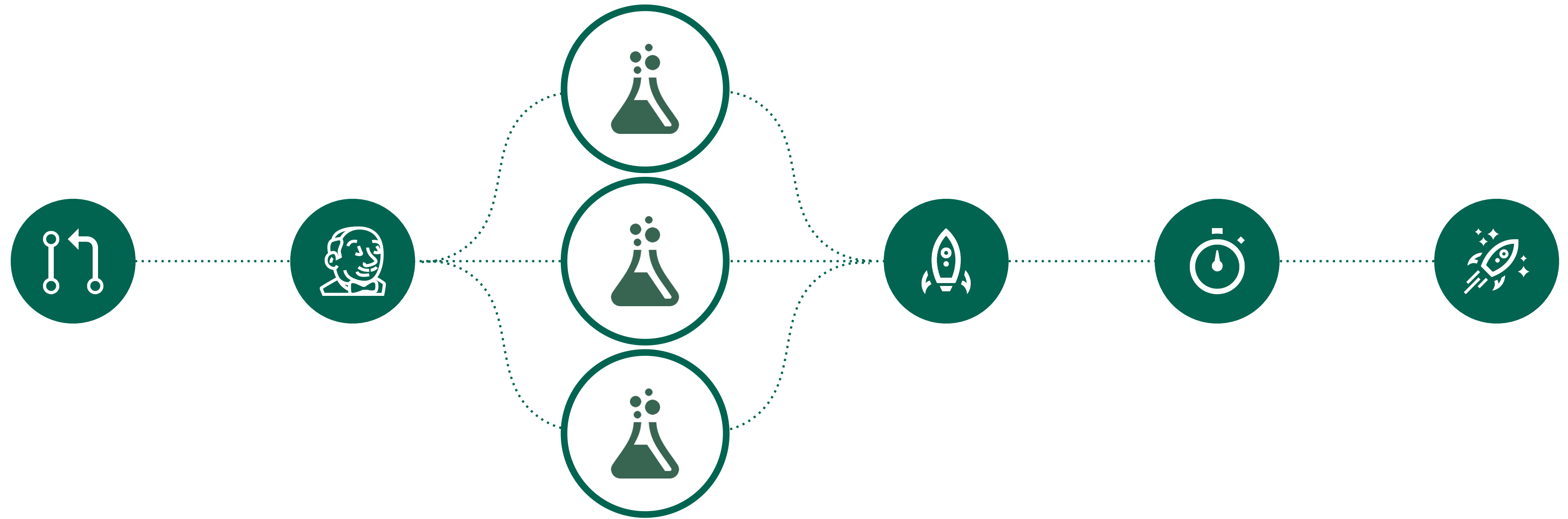








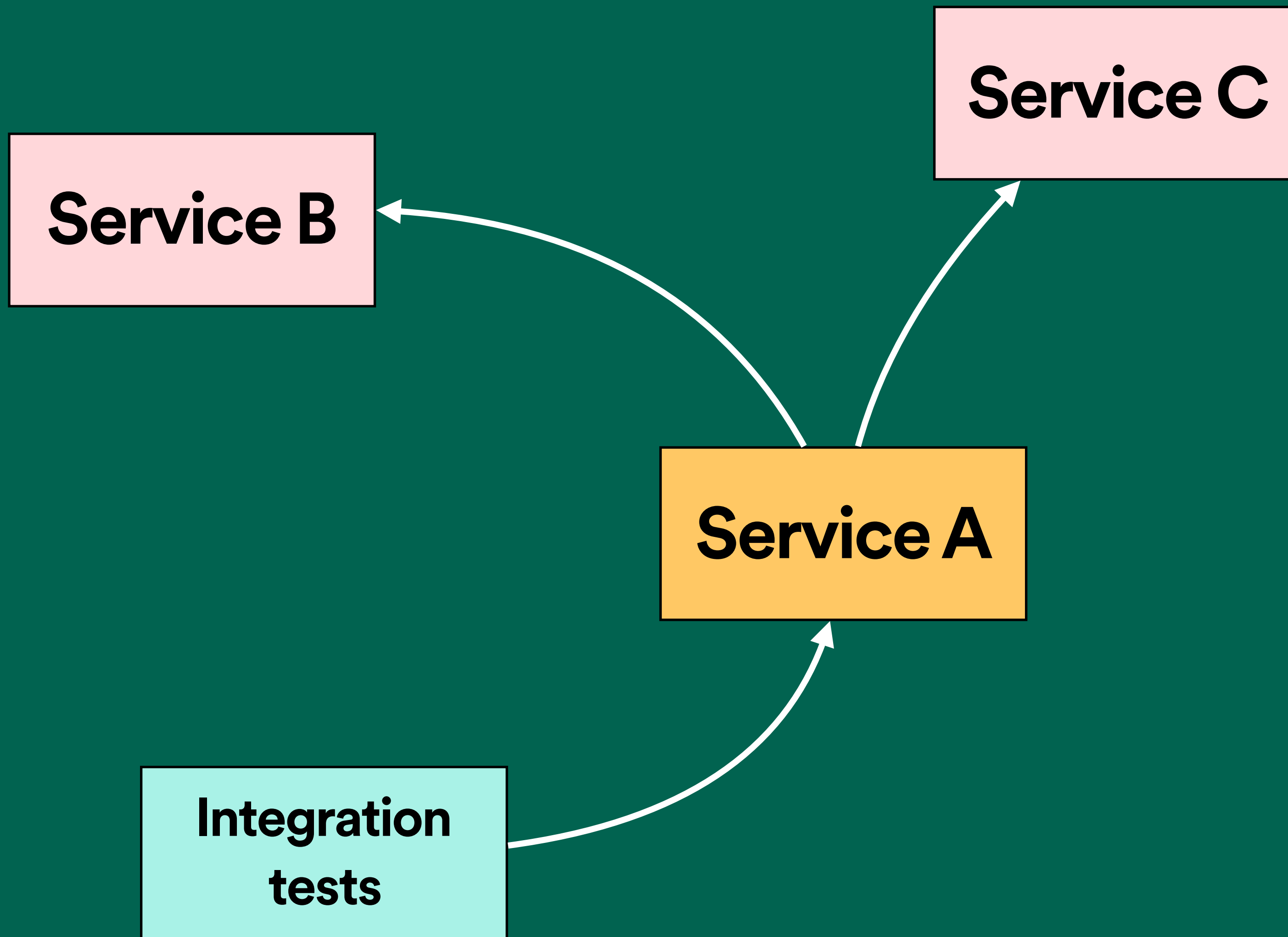


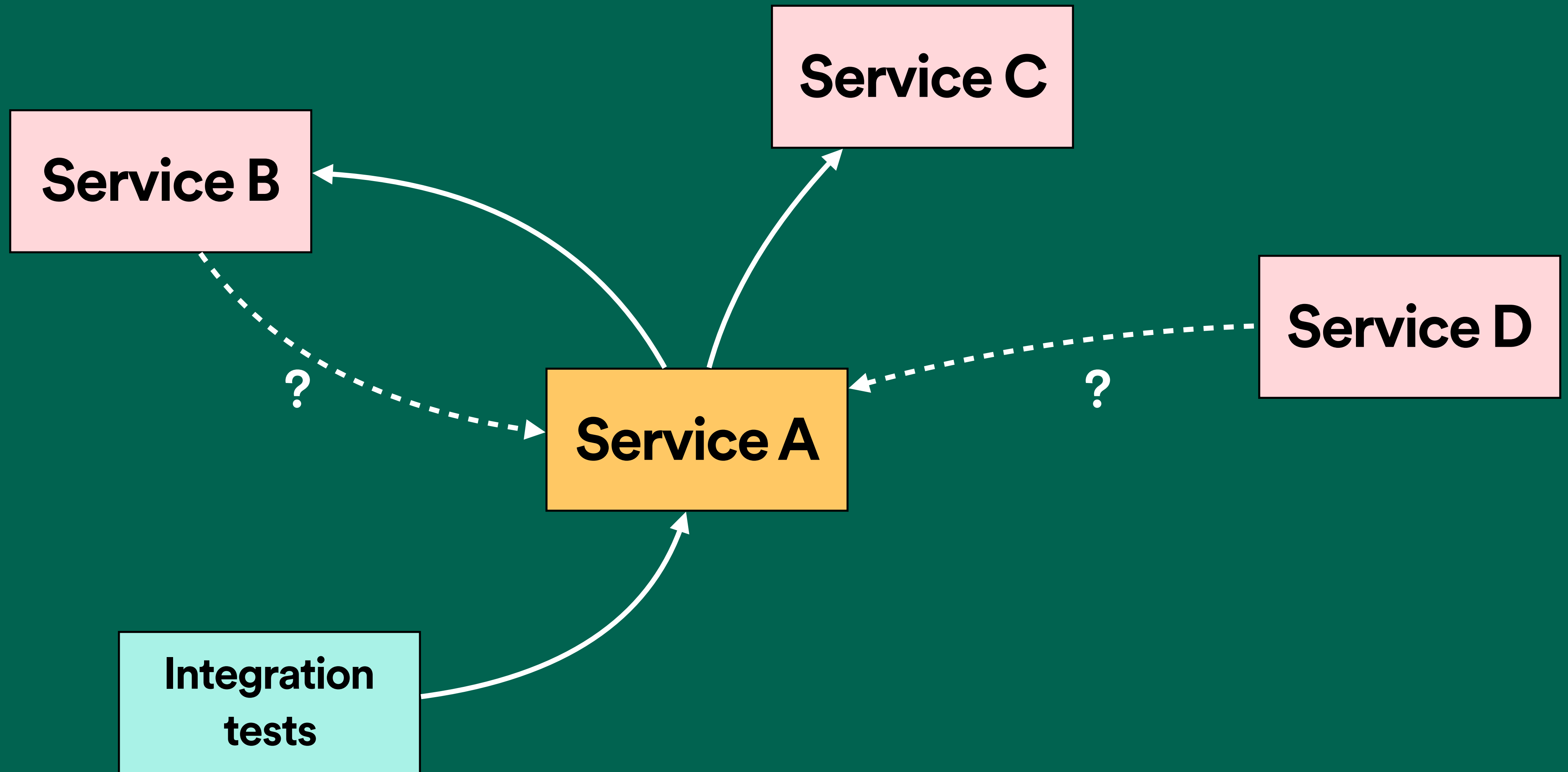


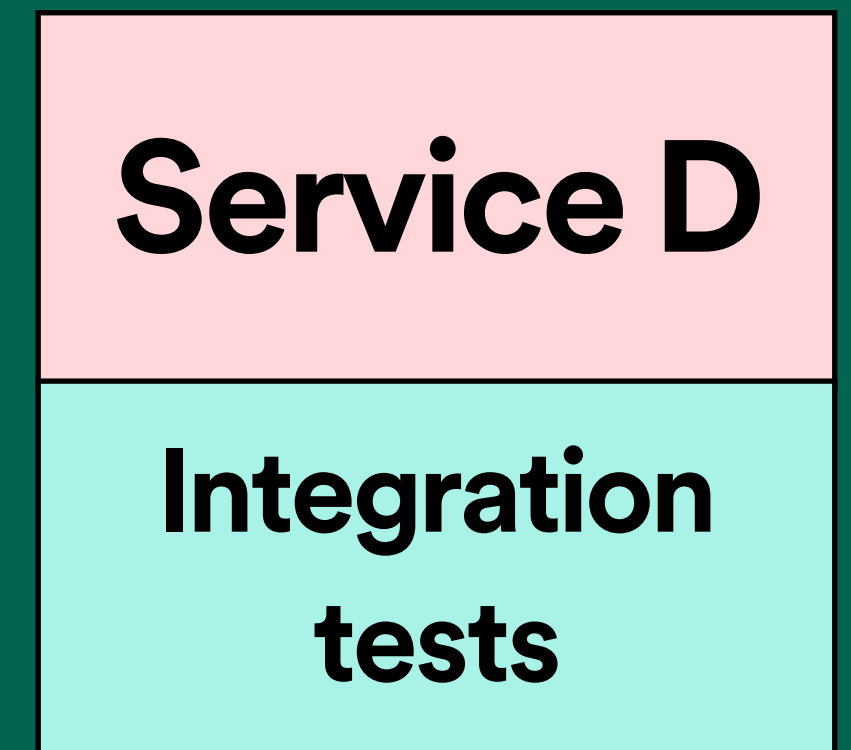
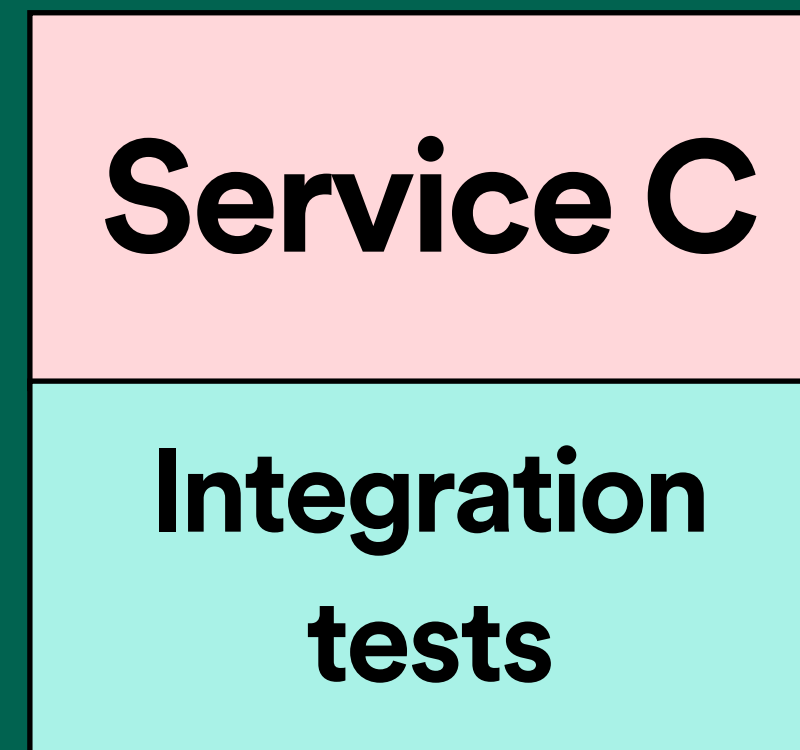
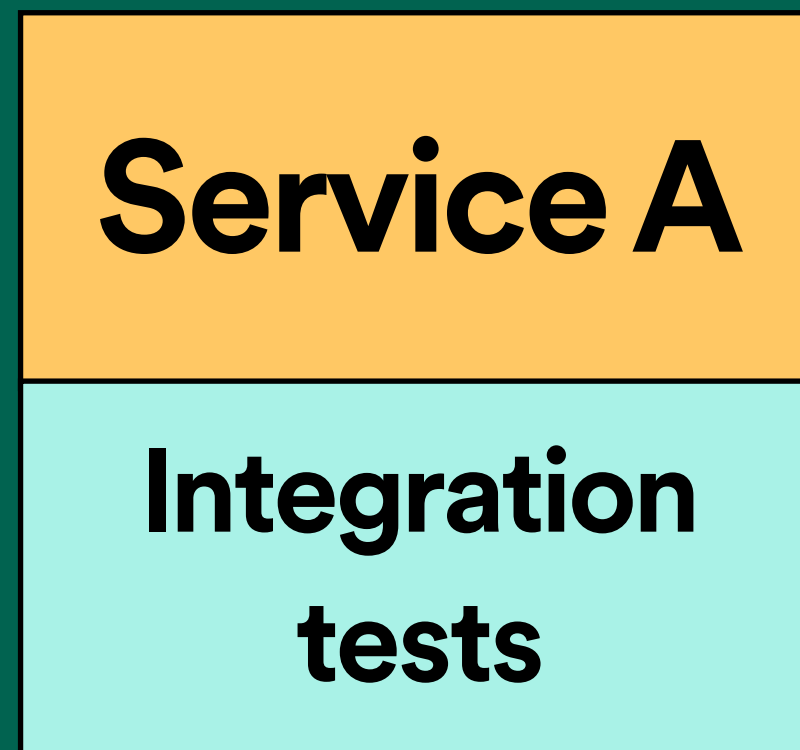
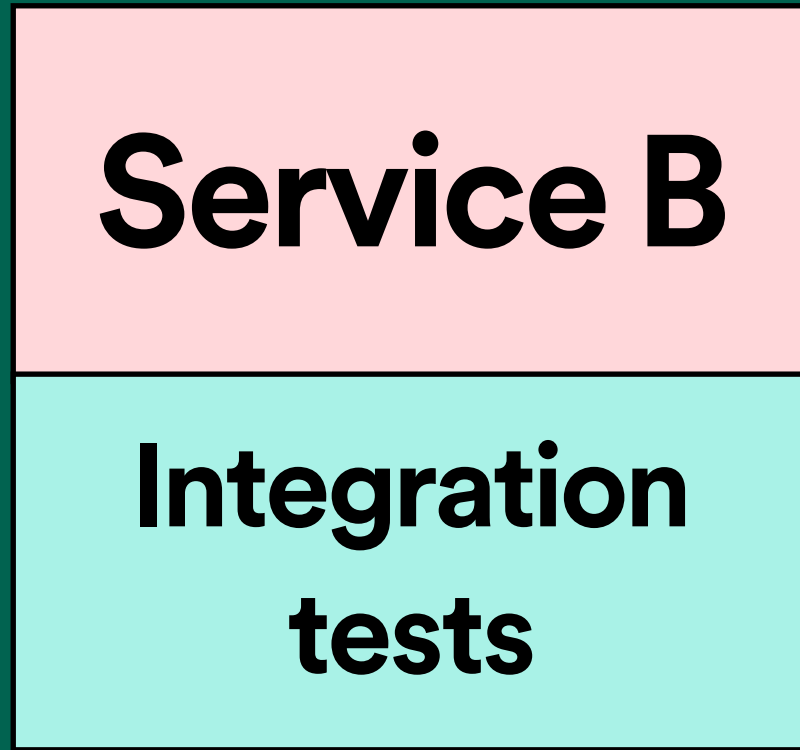
Service B

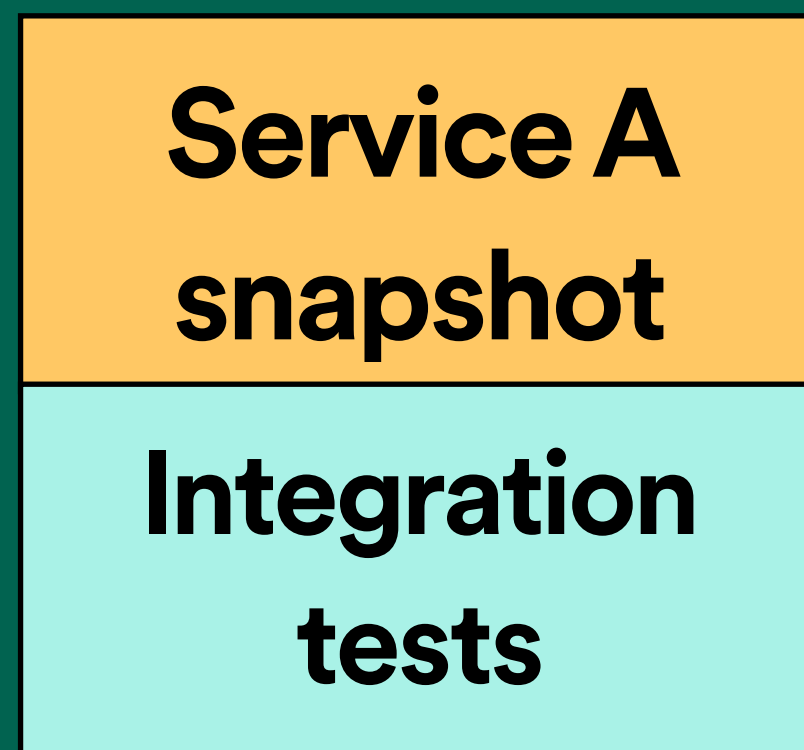
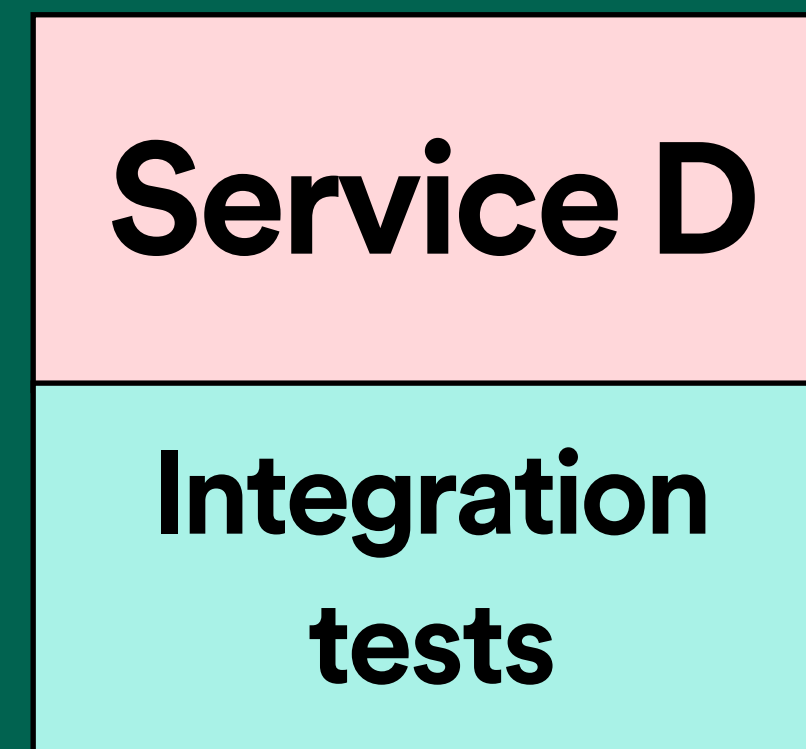
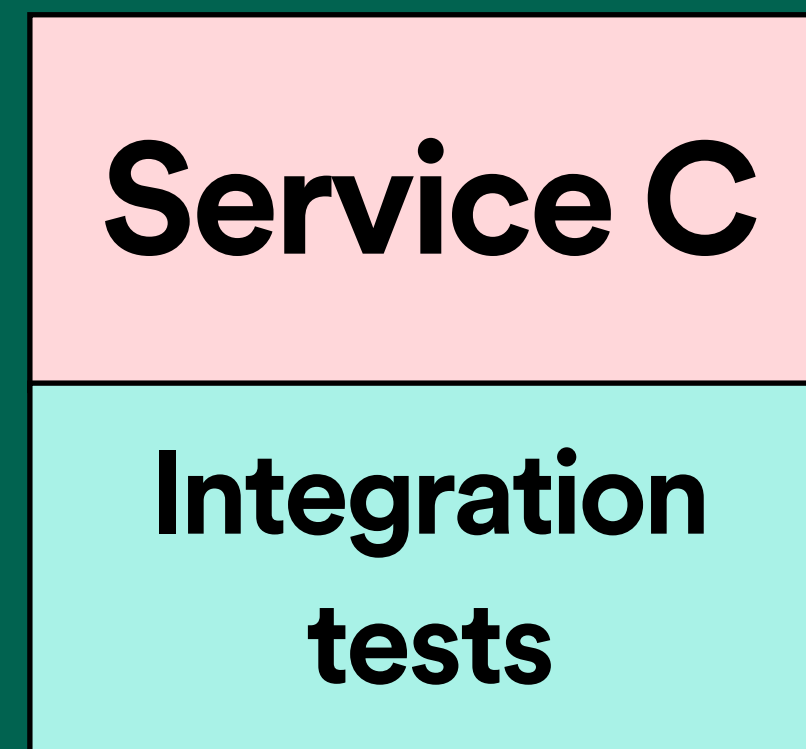
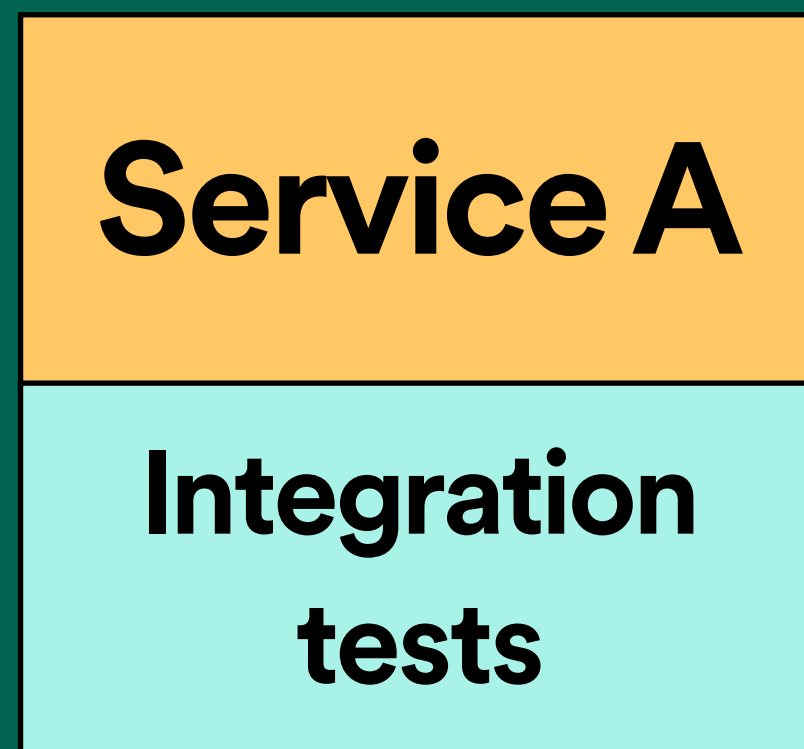
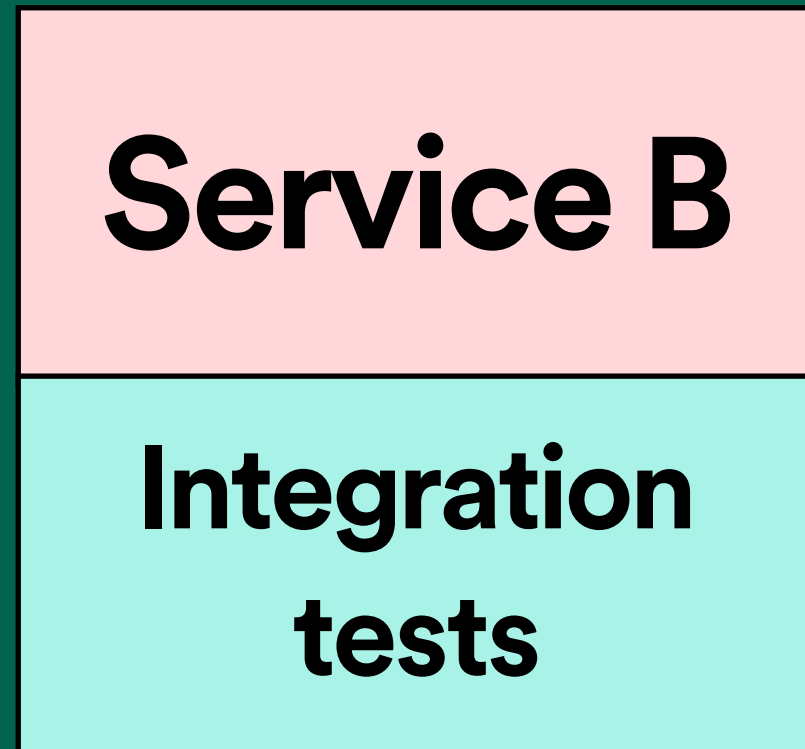
Service C

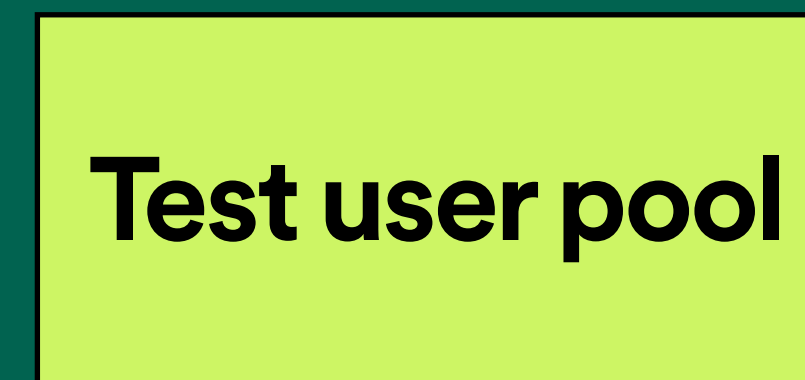
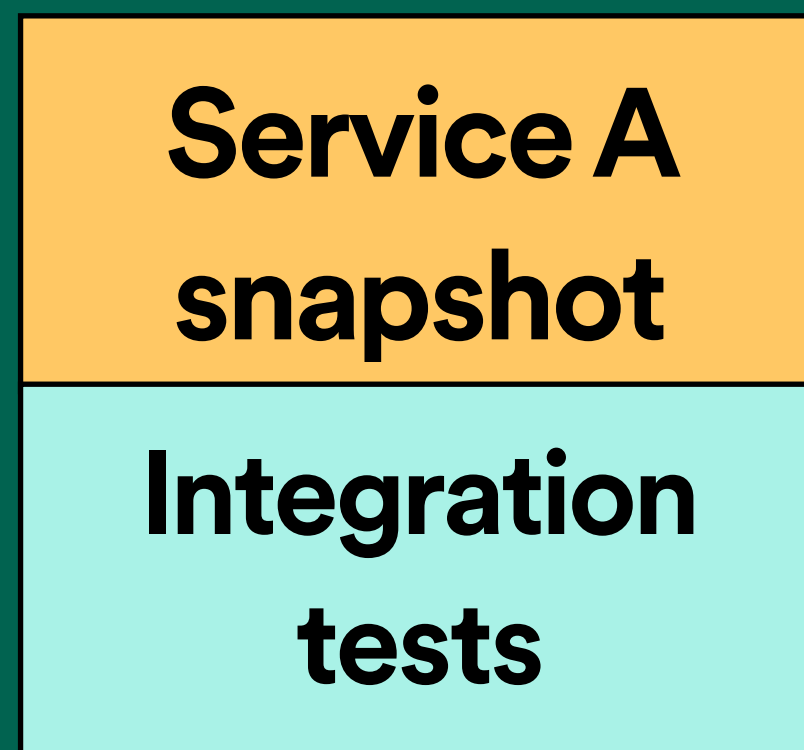
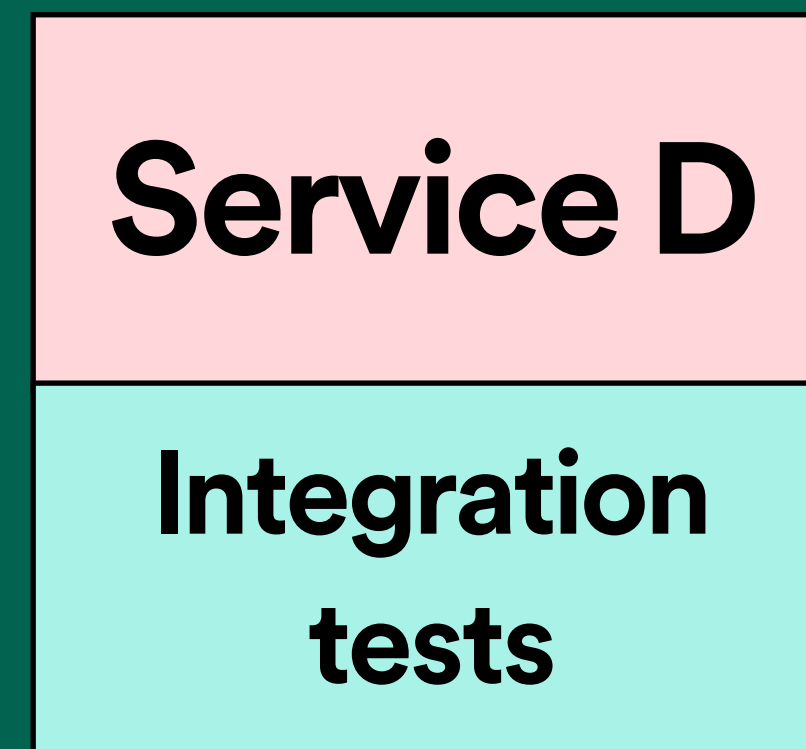
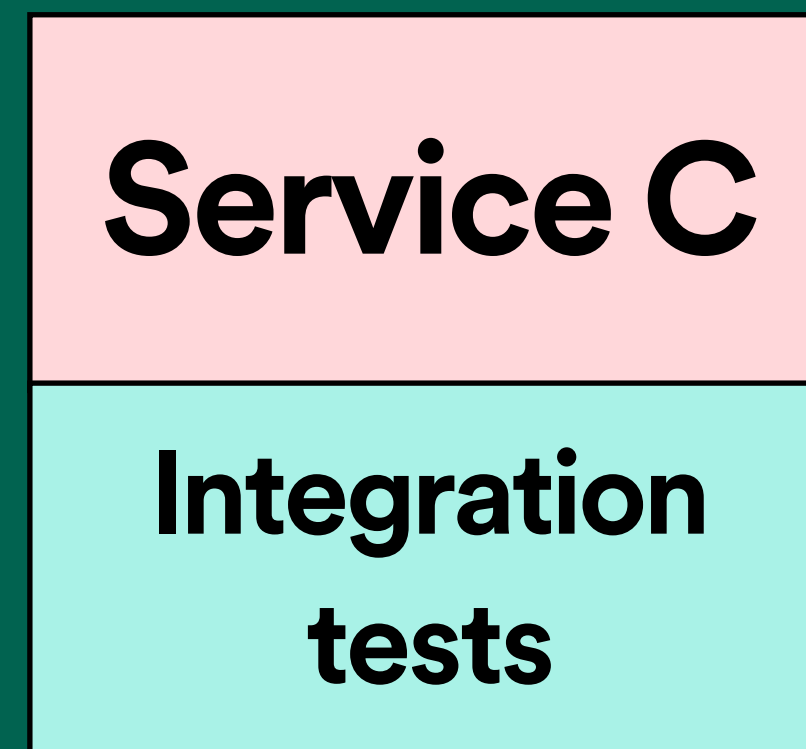
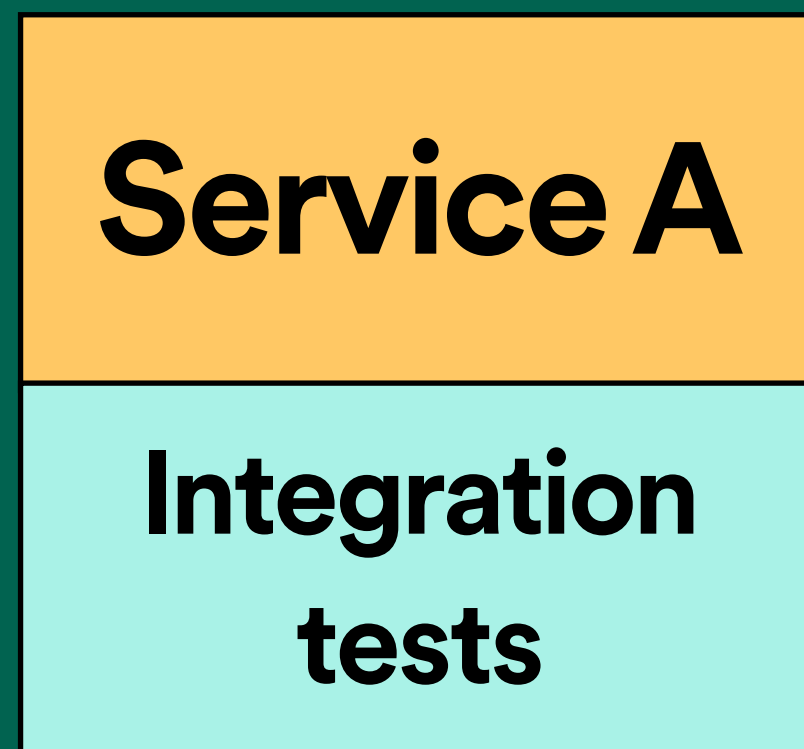
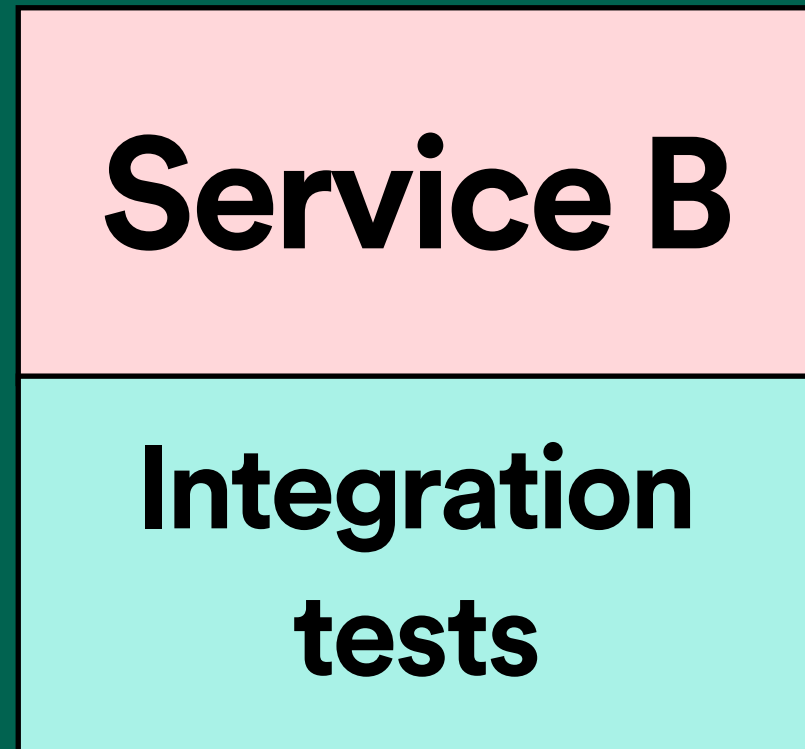
Service A

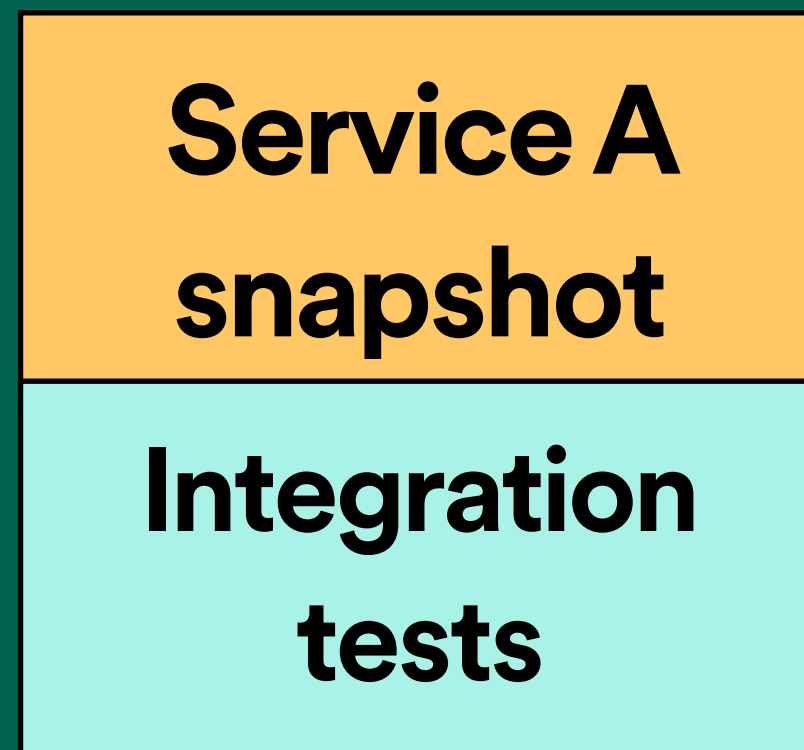
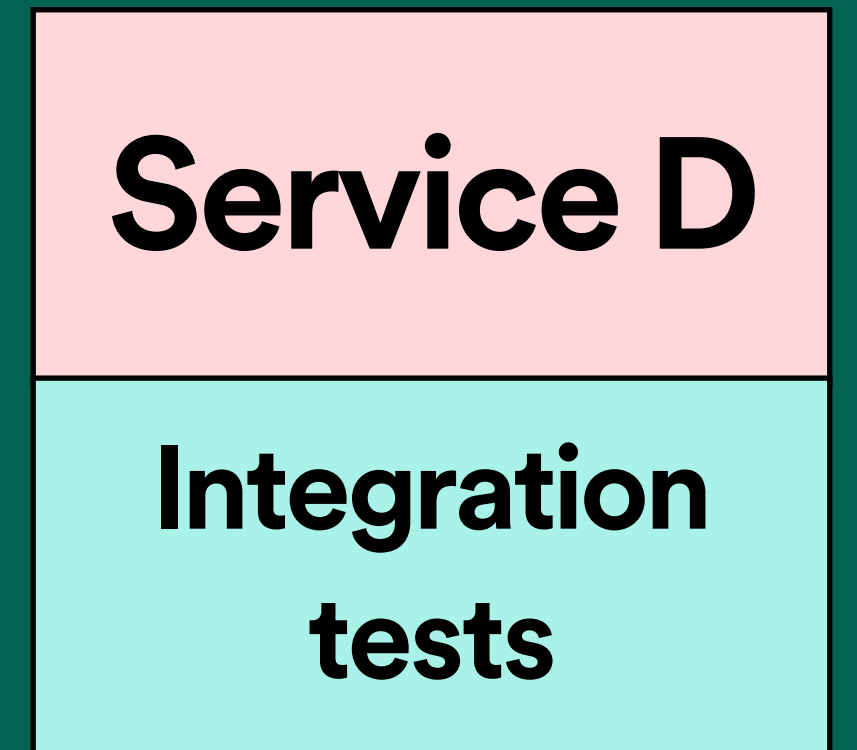
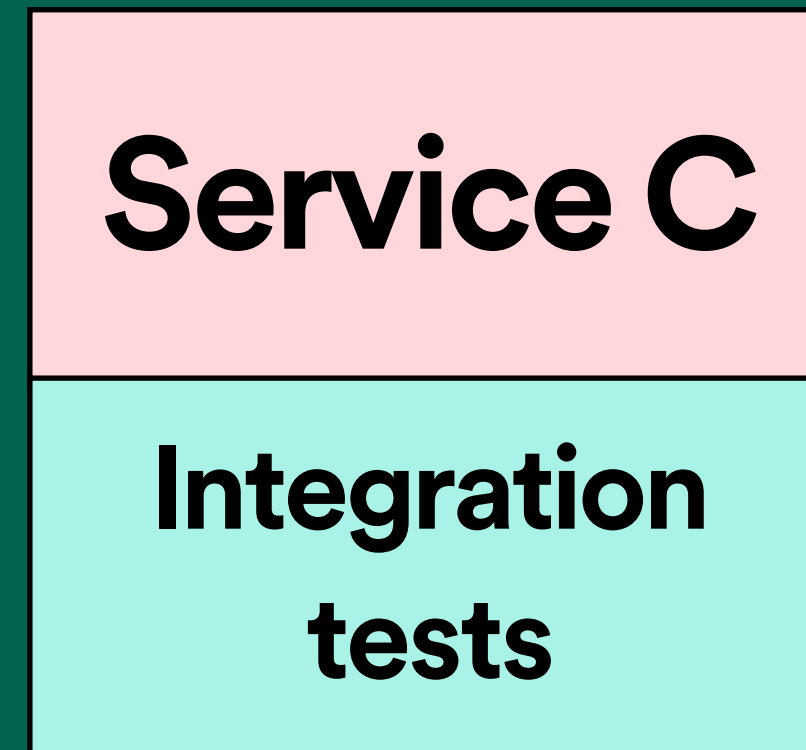
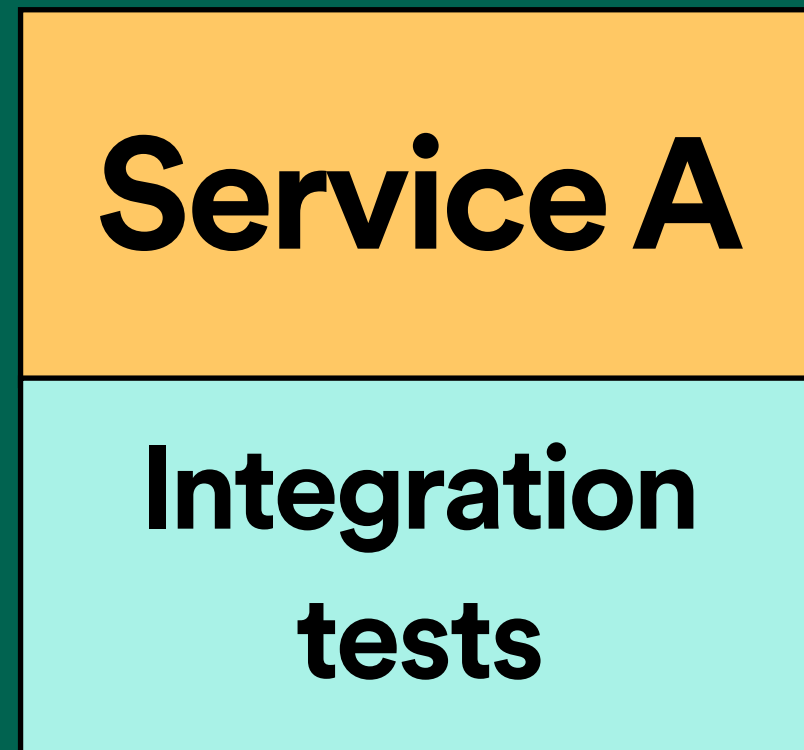
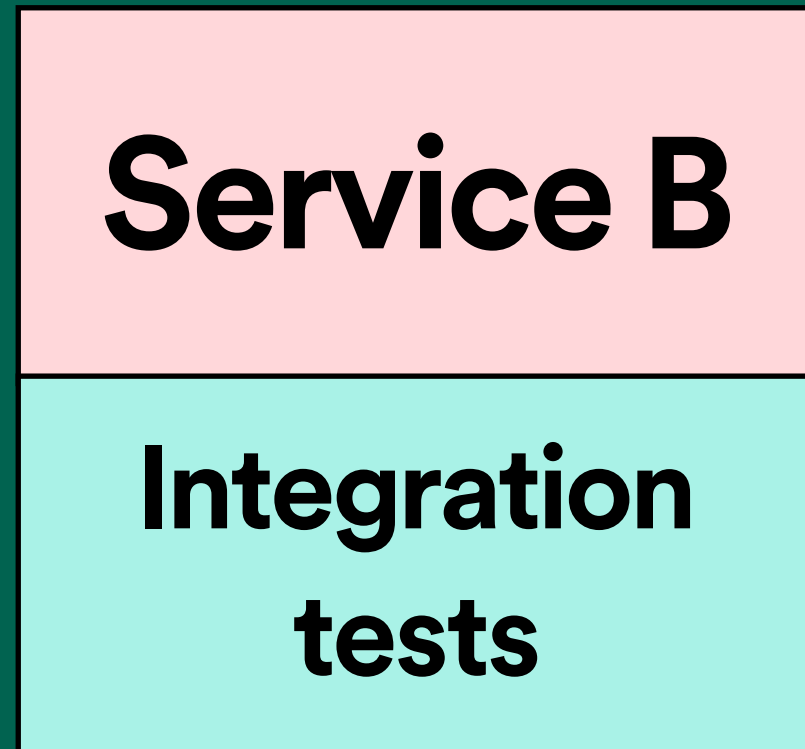


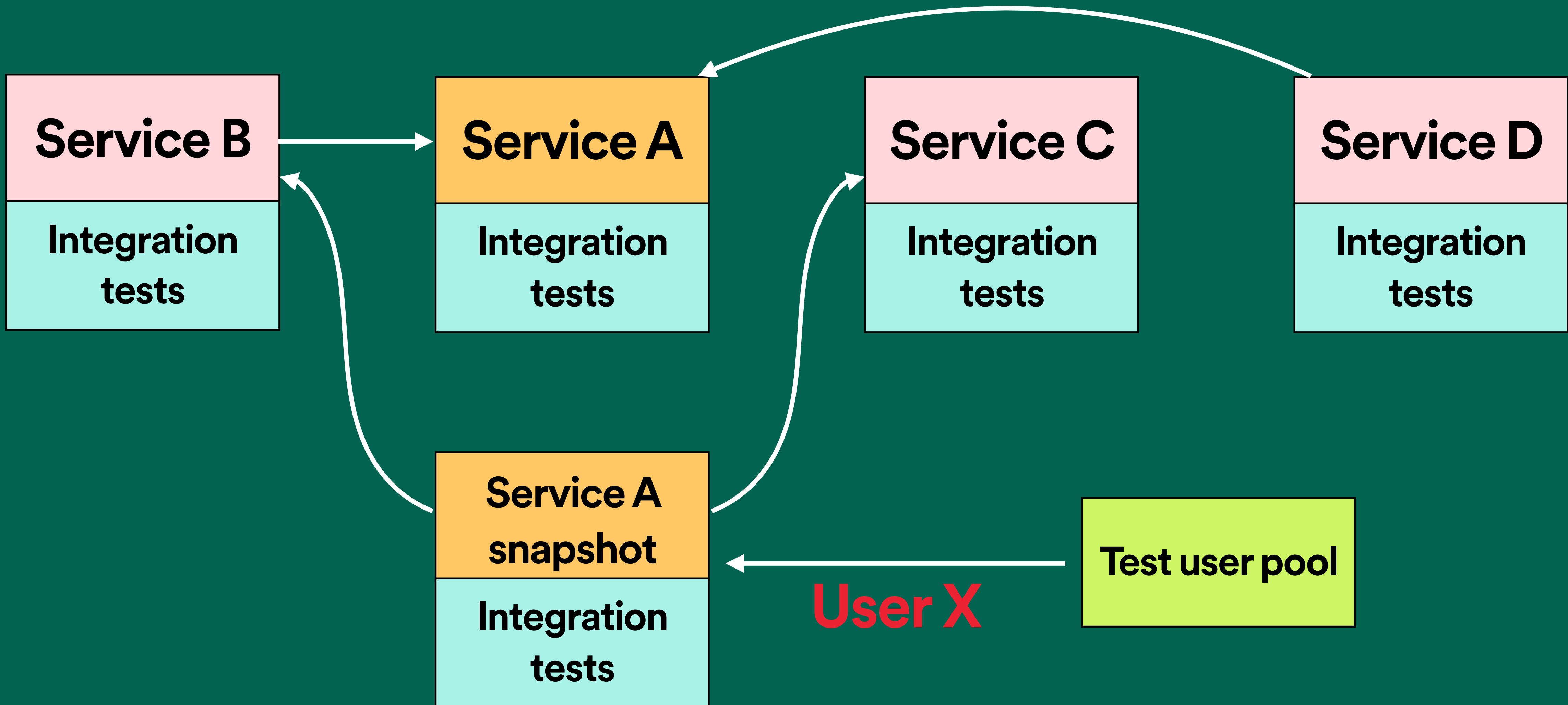


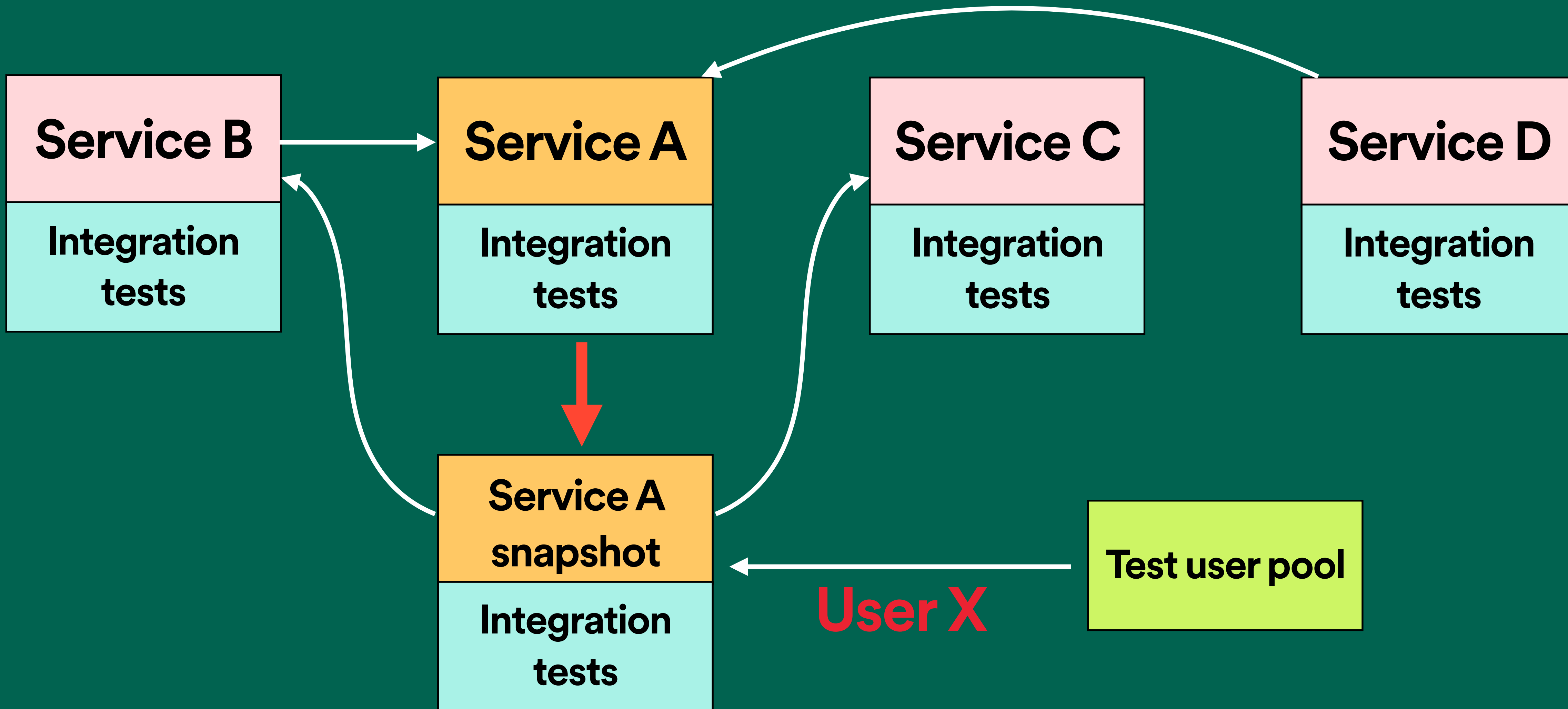


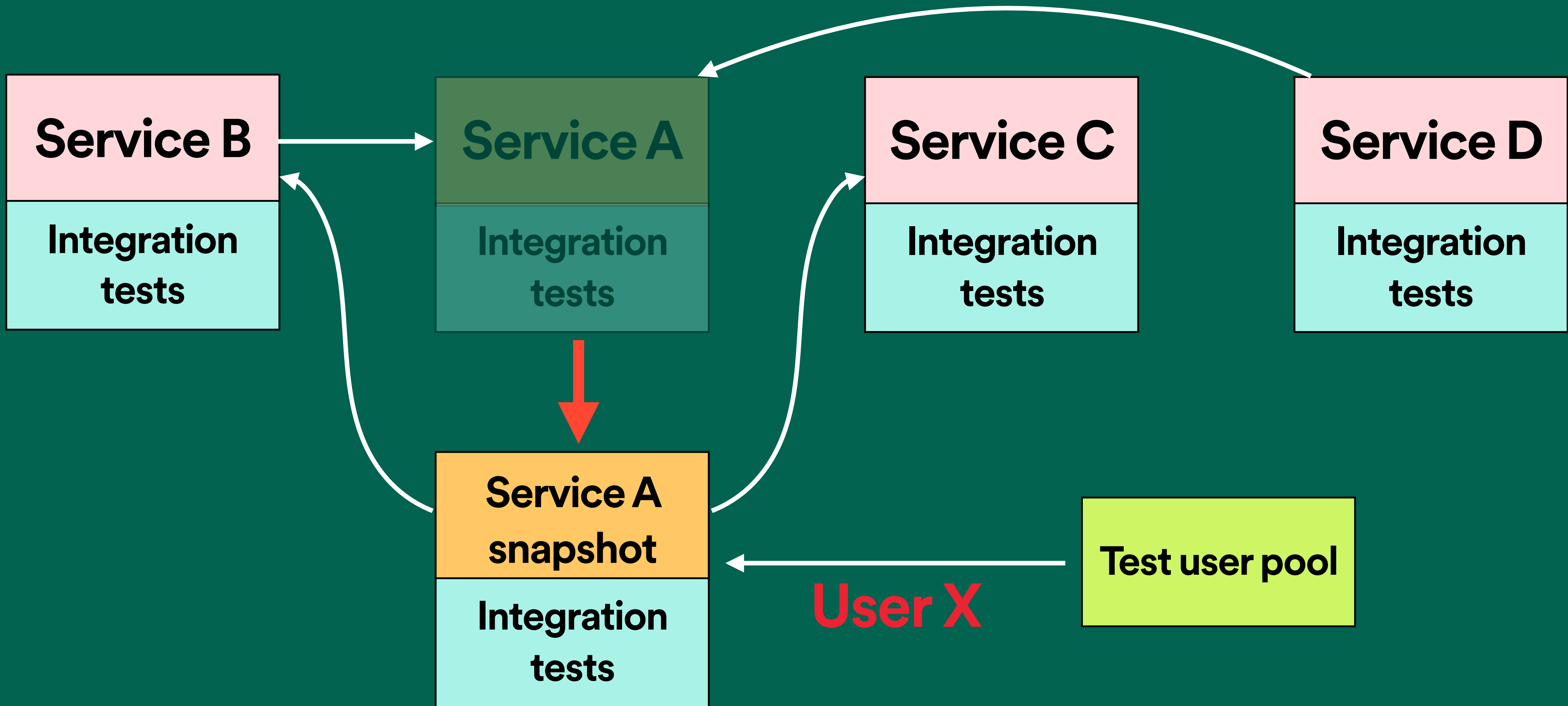


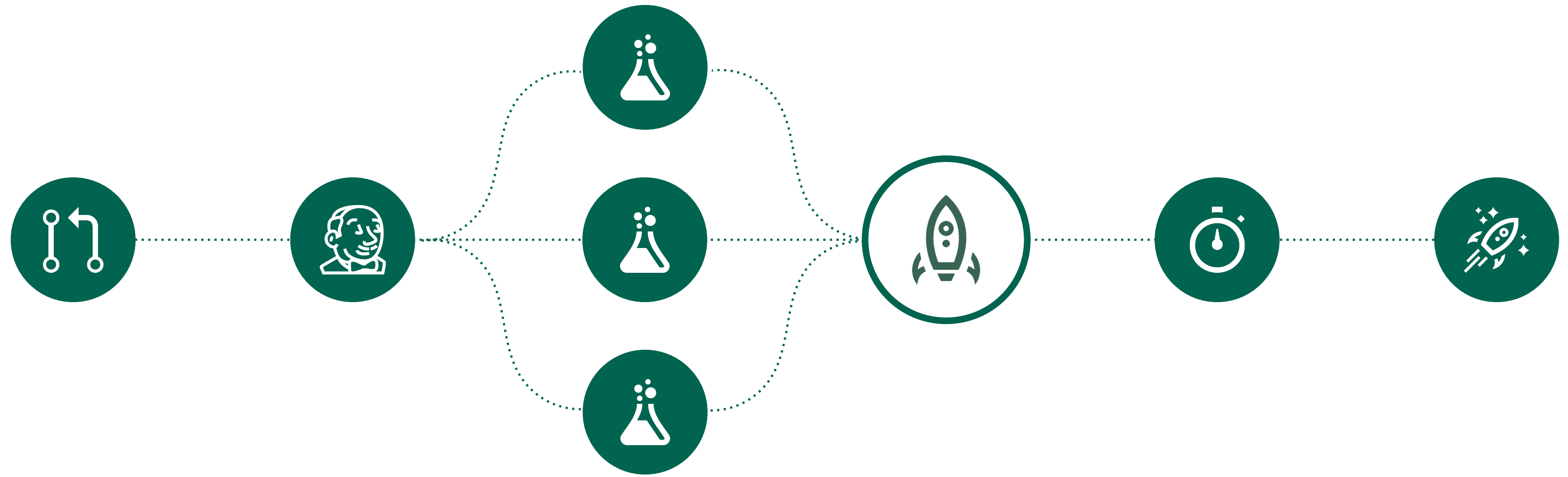


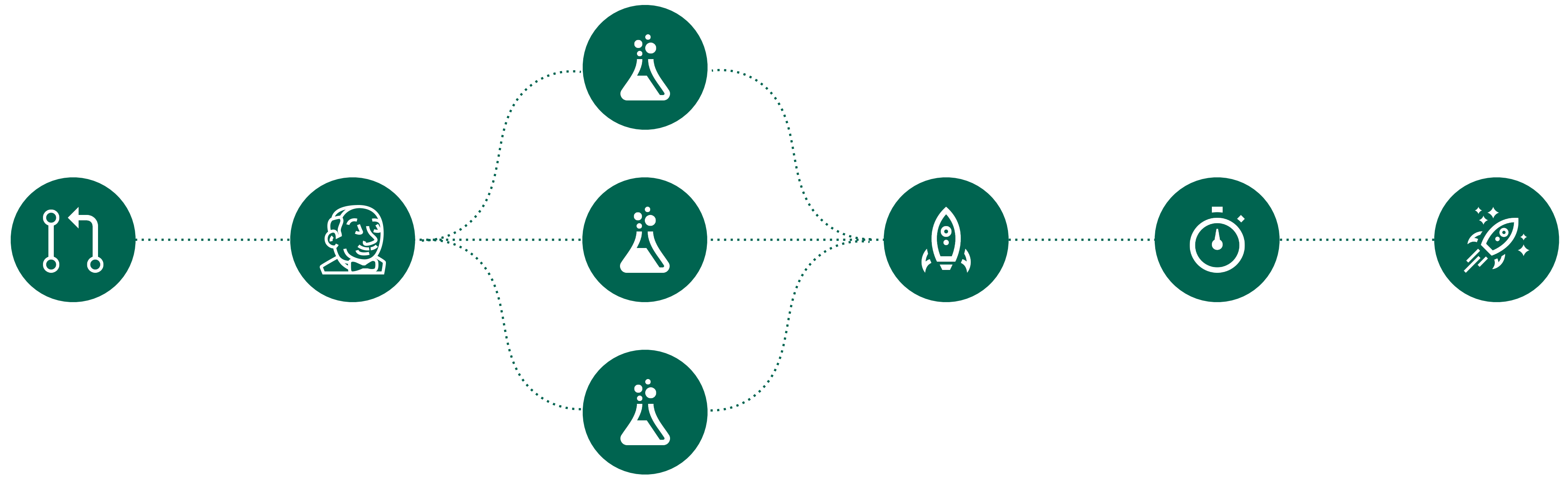


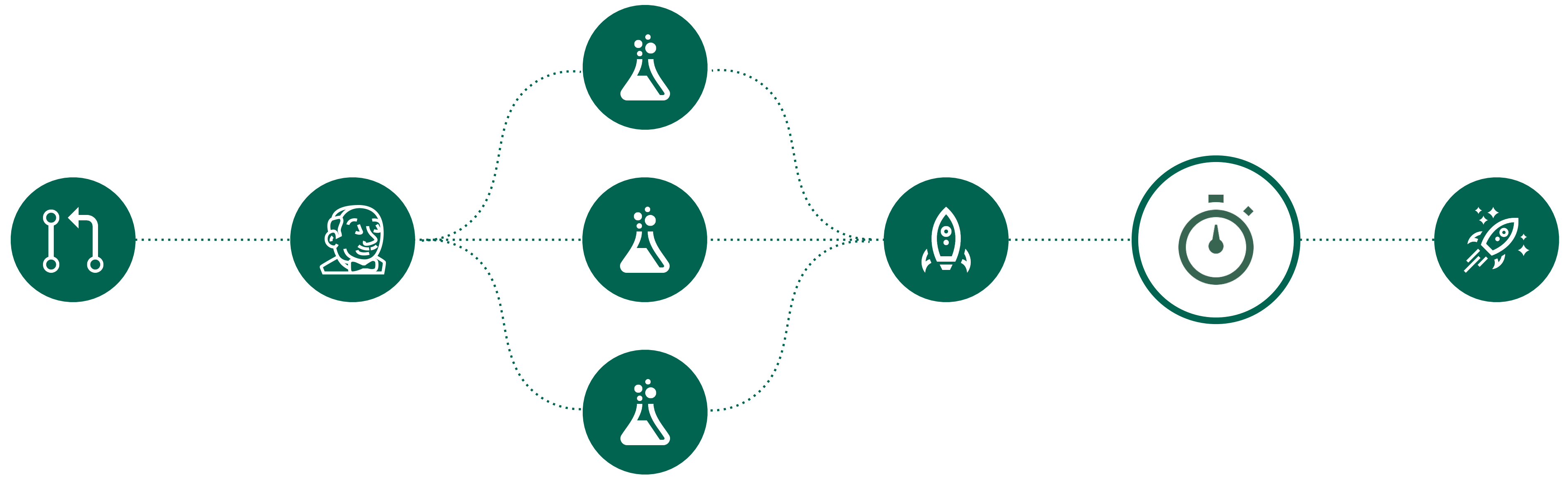














Canary Analysis APP 1:00 PM

Starting analysis of my-amazing-service with deployment id abc123

"Adding loads of new features!" by @jane, reviewed by @joe

See <https://github.com/spotify/my-amazing-service/commit/ac3a6c>

Will do the analysis until 13:10:00 UTC



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Canary Analysis APP 1:05 PM

The checks for my-amazing-service are failing. I will soon roll this back if it doesn't recover.

Problems are:

Metric error ratio in site_2 increased from .0% to 2.1%



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Canary Analysis APP 1:05 PM

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Problems are:
Metric error ratio in site_2 increased from .0% to 2.1%



Canary Analysis APP 1:10 PM

The checks for my-amazing-service have failed too much. I will roll this back. Problems are:
Metric error ratio in site_2 increased from .0% to 3.7%



Canary Analysis APP 1:00 PM

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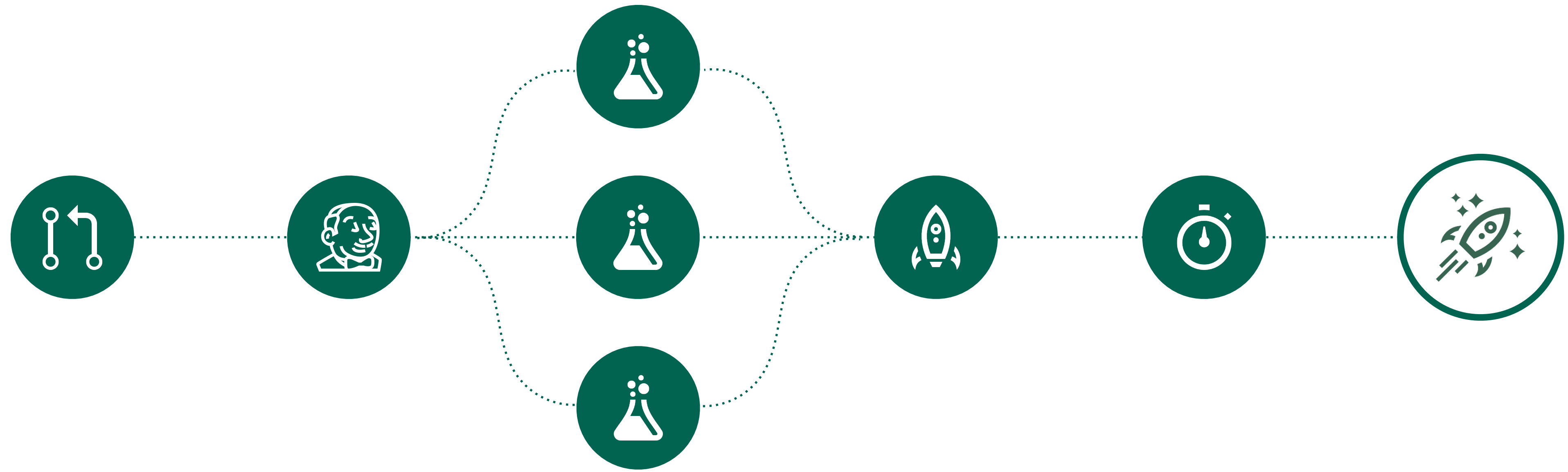
Canary Analysis APP 1:10 PM

The checks for my-amazing-service are all green. I will roll this out. Check results are:

Metric error ratio in site_1 remained at .0%

Metric error ratio in site_2 remained at .0%

Metric error ratio in site_3 remained at .0%



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