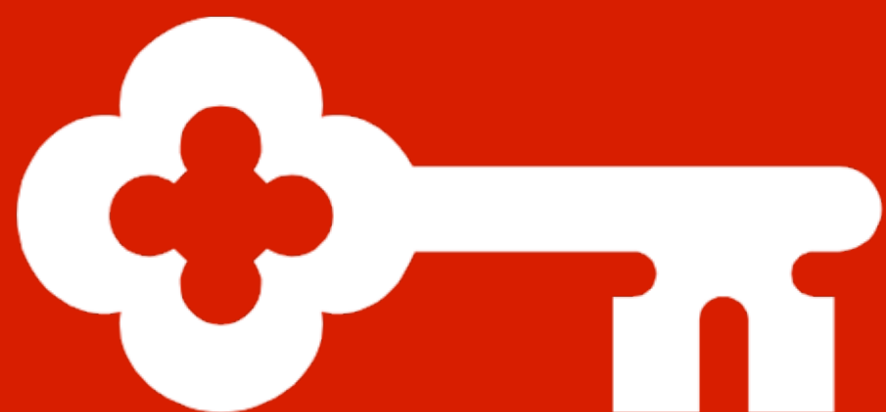




Building Continuous Integration & Feedback

CHRIS MCFEE / KEYBANK TECHNOLOGY





Chris McFee
**SVP, Enterprise
DevOps Practices**

 @mickfeech



13th
largest bank
in US

1,100+
branches

3M+
clients

1.1M+
daily logins

15
states

18,500
employees

\$138B
assets

keybank

Ease

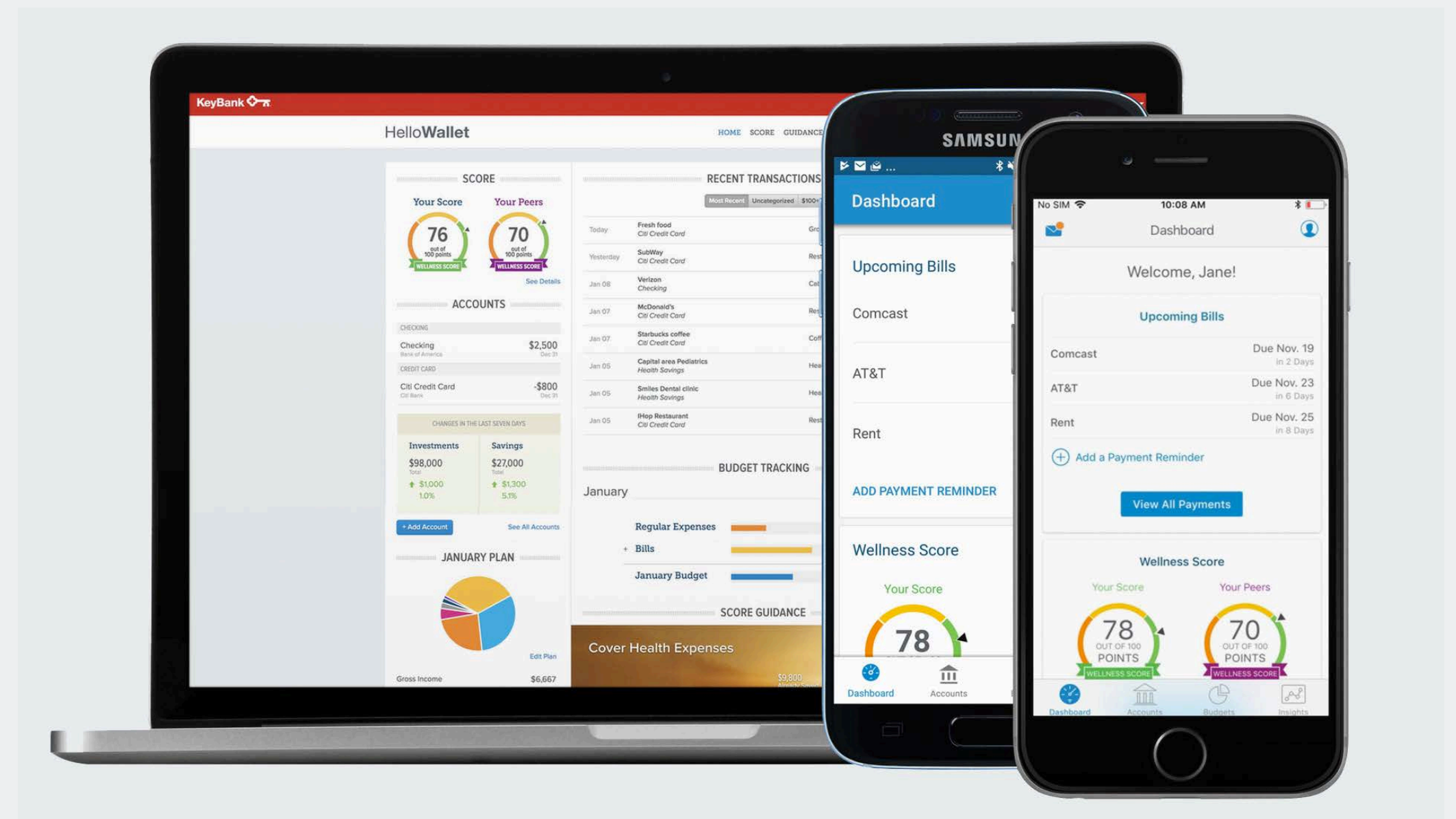
*Enabling simple and
clear banking with no
surprises*

Value

*Knowing the client and
valuing the
relationship*

Expertise

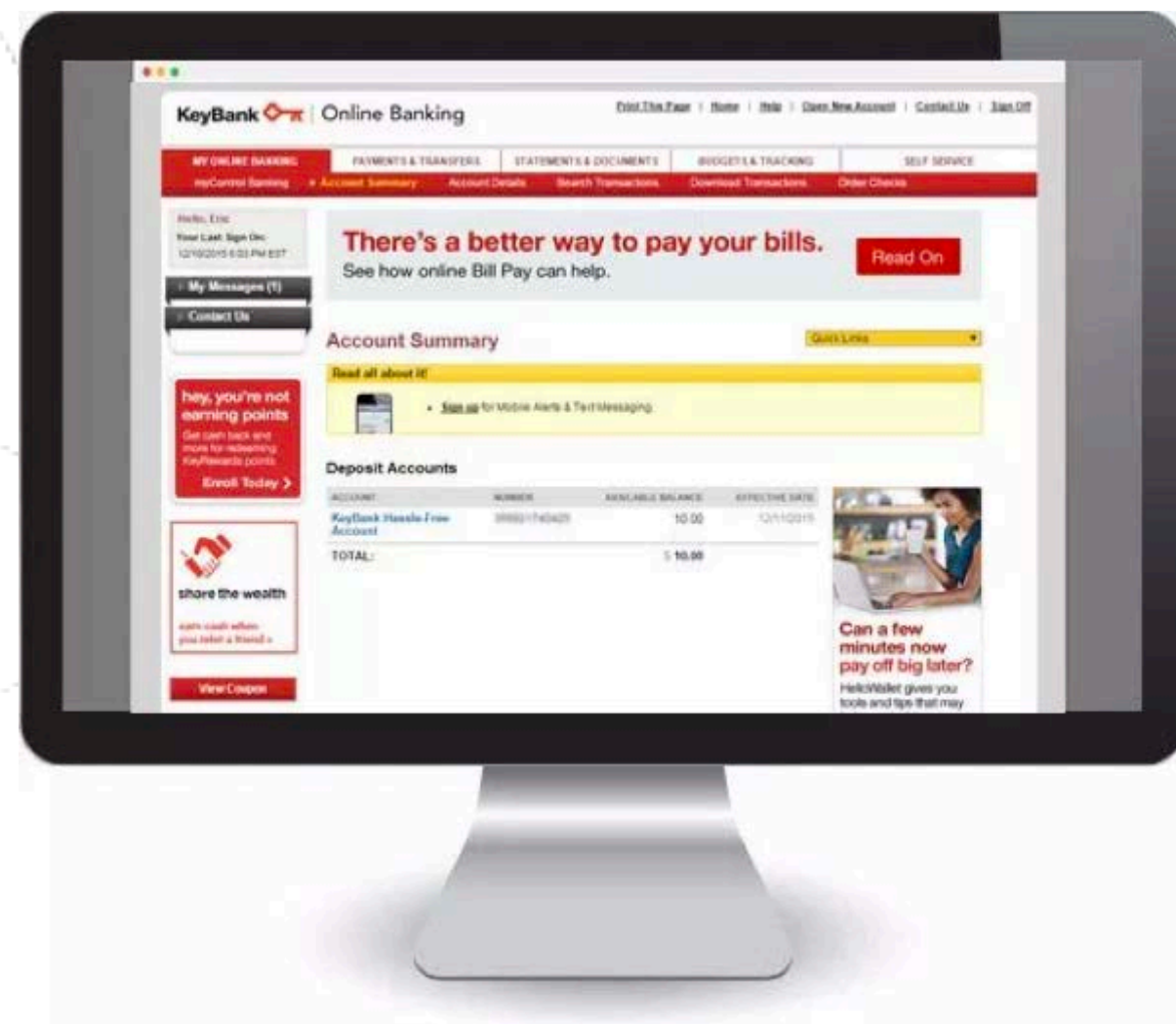
*Providing industry
leading expertise &
personalized advice*



**The path to
financial wellness
starts here.**

our initial focus areas

Online & Mobile Banking



Test Automation

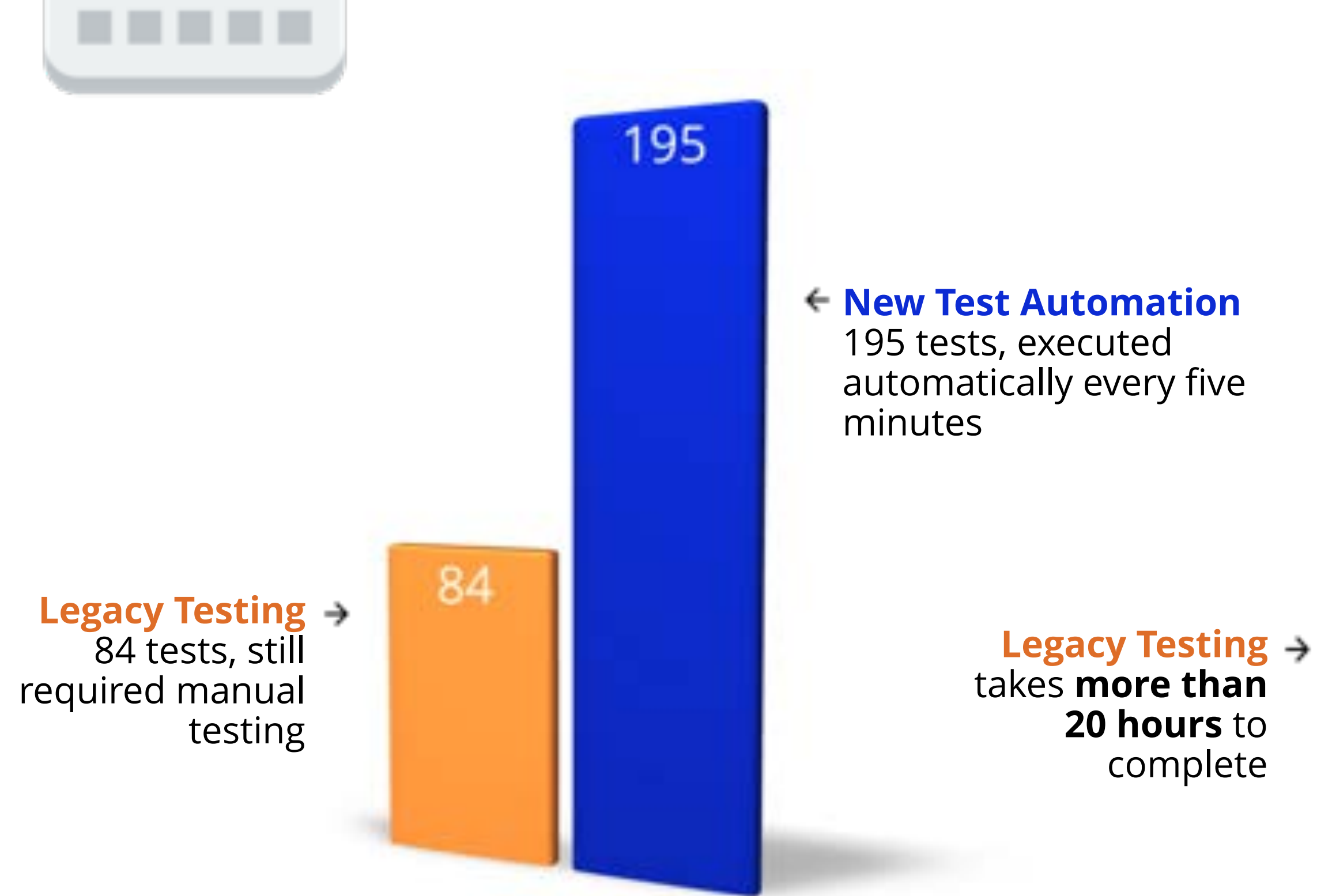


Infrastructure Delivery

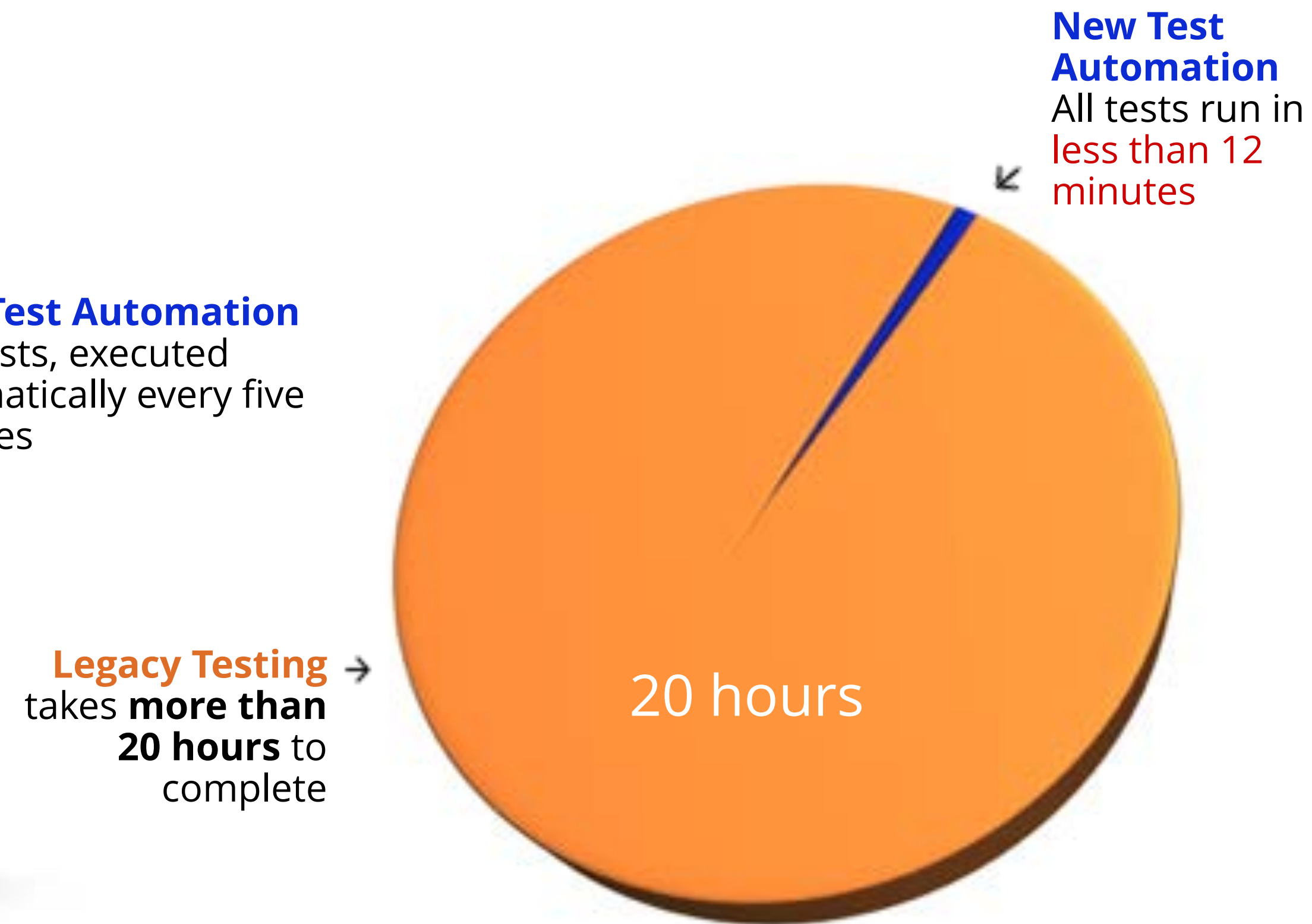


2015

test automation



≡ test scenarios



🕒 test execution time



Consistent
Release Process
that **Guarantees**
Versions are
Deployed in a
Dependable
Automated
Manner

500k

Customers logged into
the platform
(30+ per second – a
record!)

2+

Hour wait time in
our Contact
Center queues

10

PROD releases to
respond to client
input in the first 4
days

=

0

Defects resulting in
PROD releases

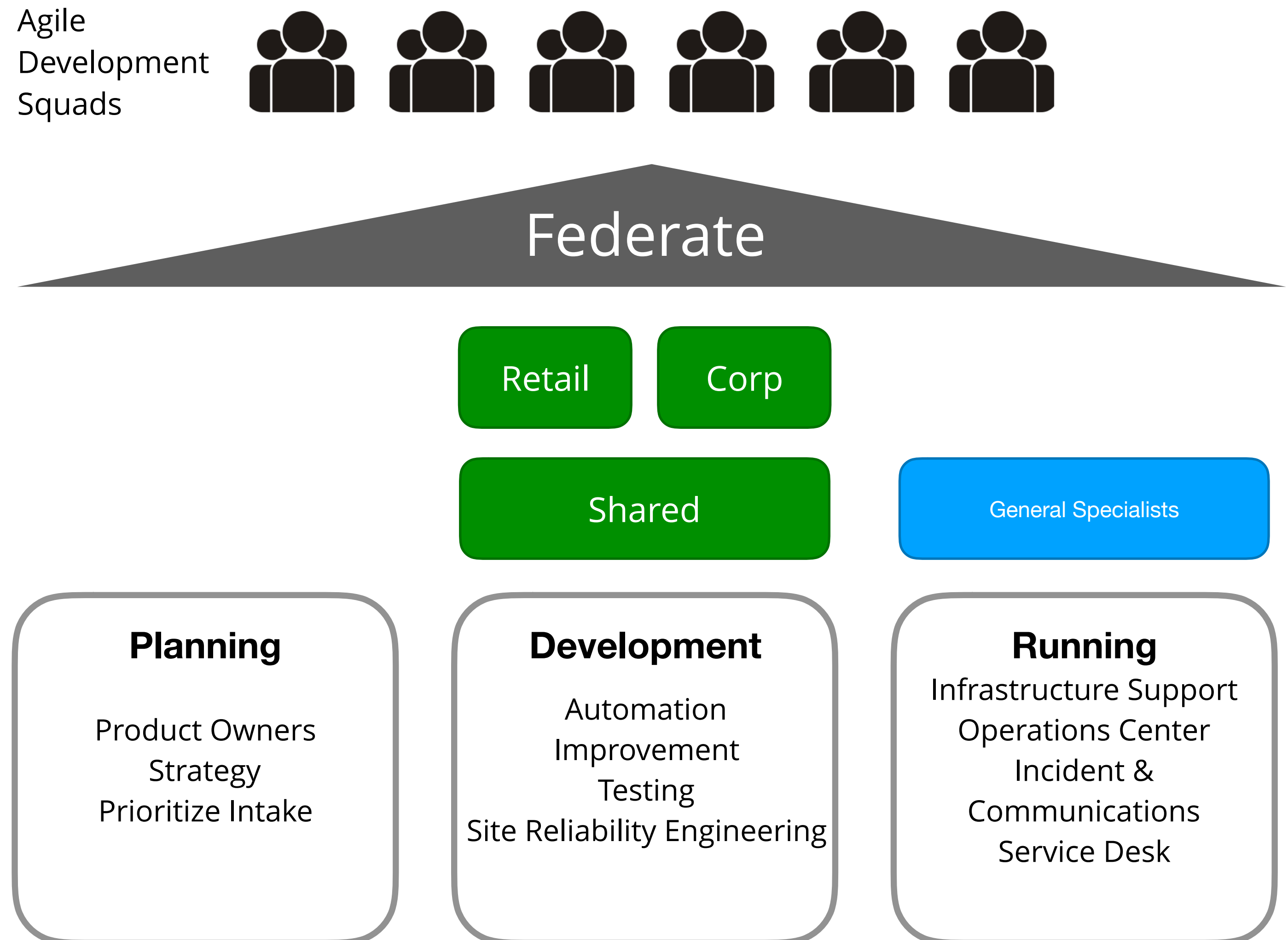


OCT 11, 2016

First Niagara customer day 1

evolving

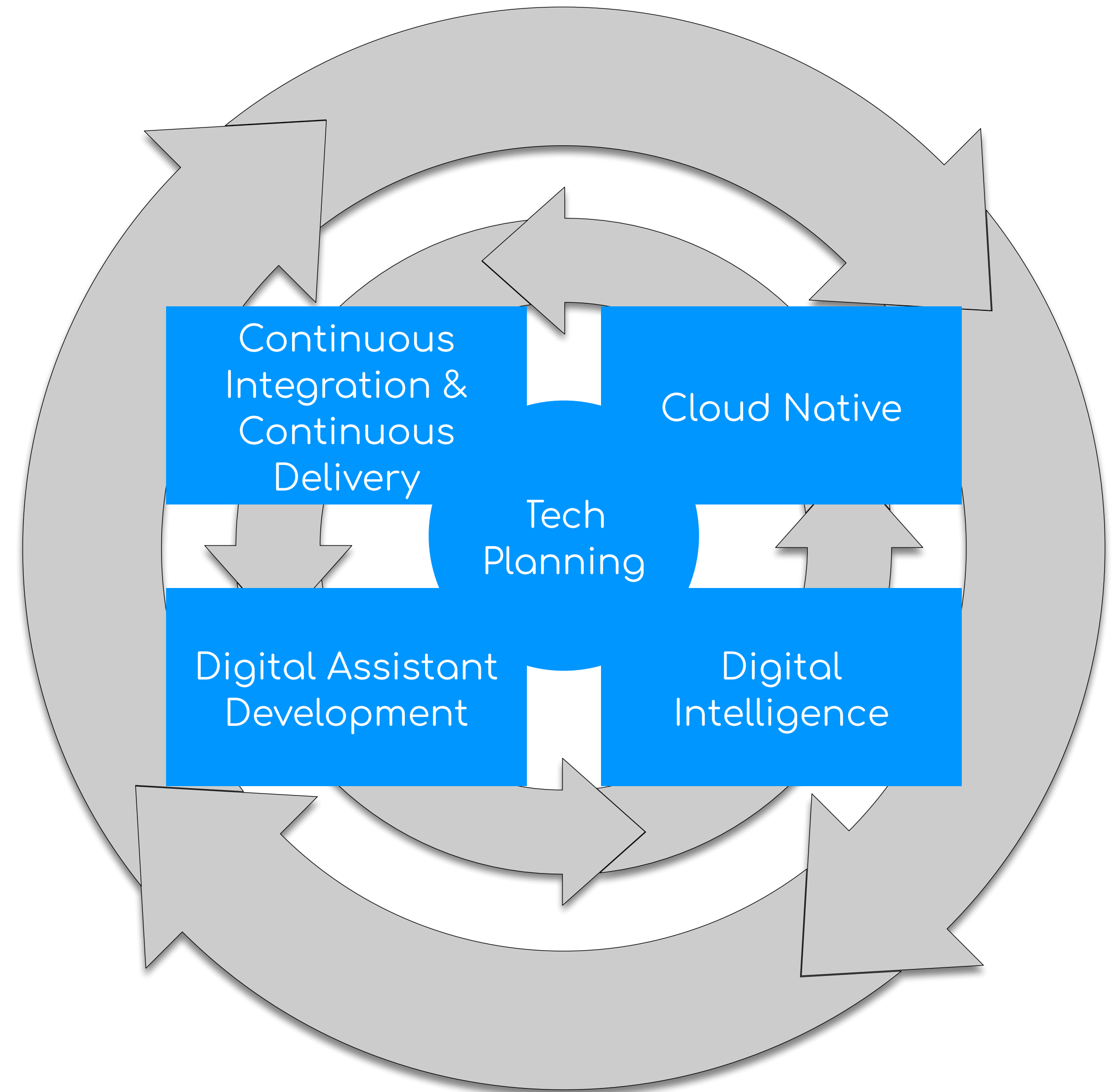
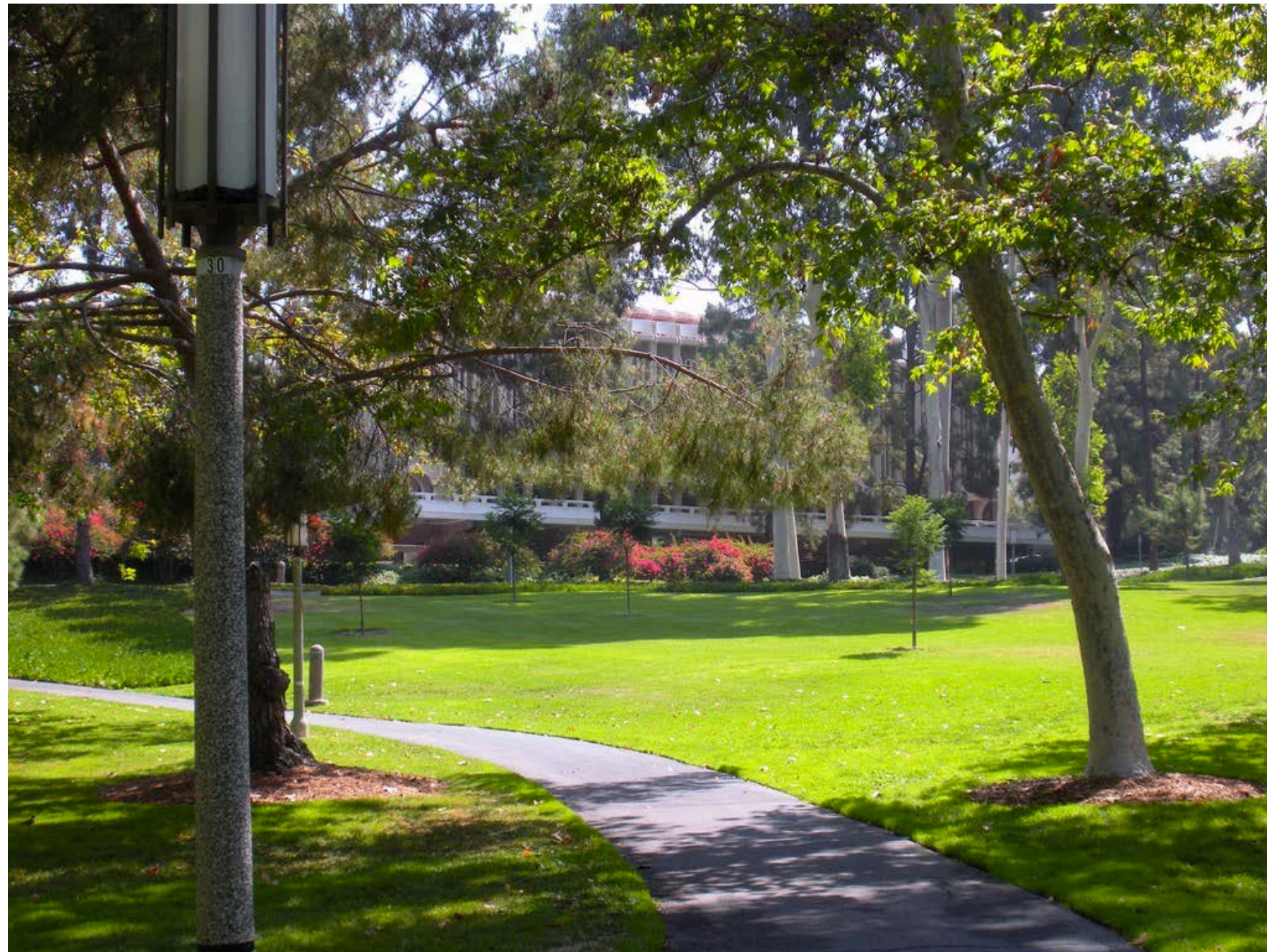
“There is no single ‘right’ team topology, but several ‘bad’ topologies for any organization.”



devops practices team

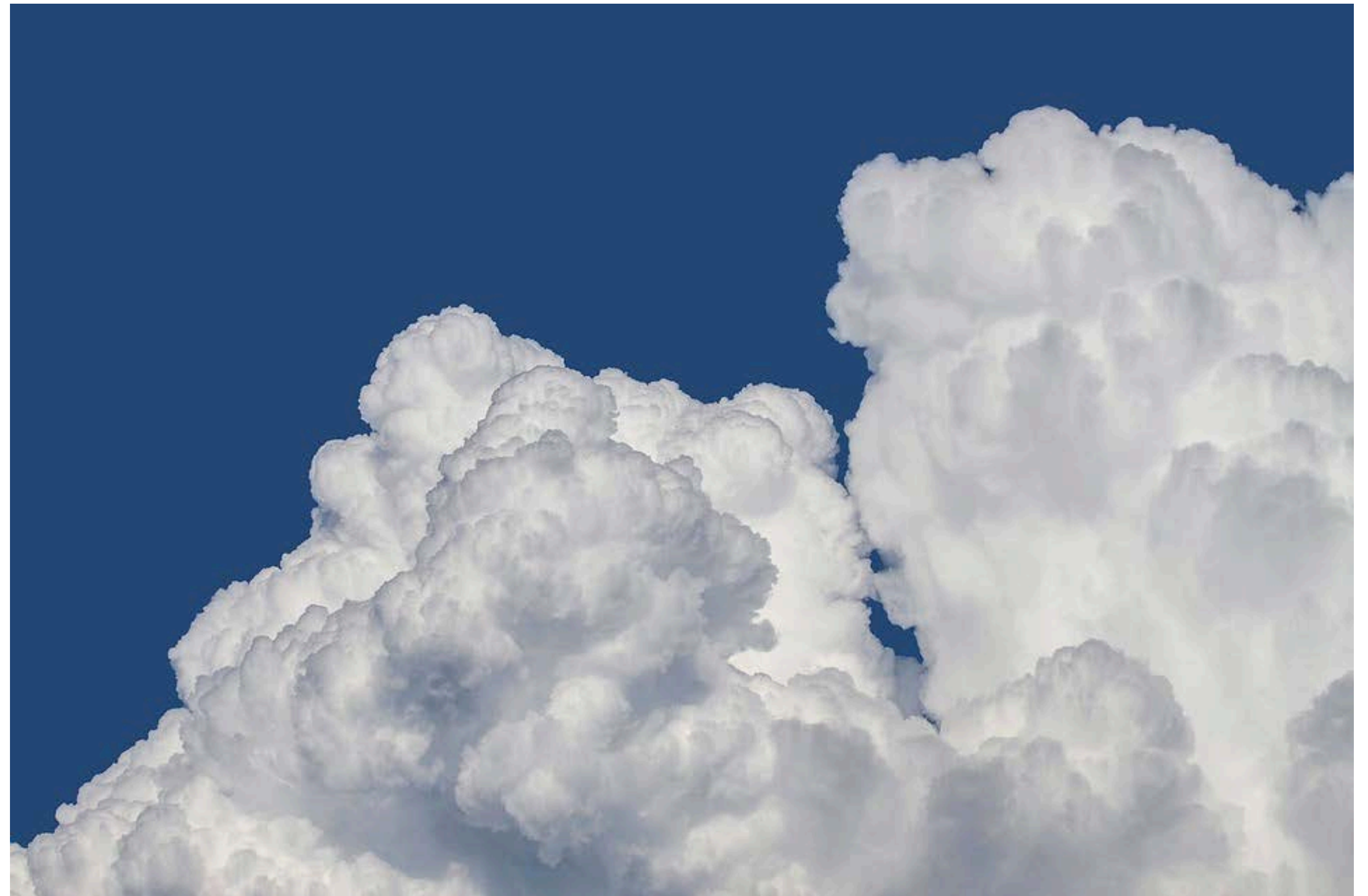
Larry Wall, who created the programming language Perl, once said, “When they built The University of California at Irvine they just put the buildings in. They did not put any sidewalks; they just planted grass. The next year, they came back and put the sidewalks where the trails were in the grass.”

The University of California at Irvine



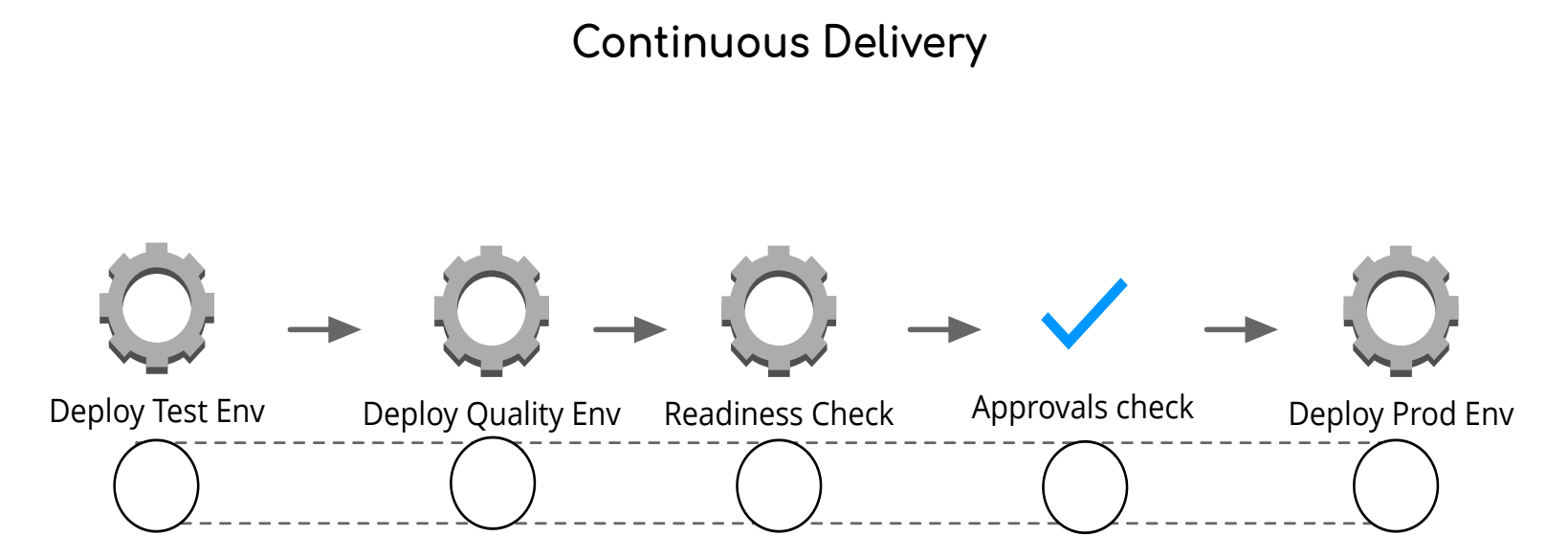
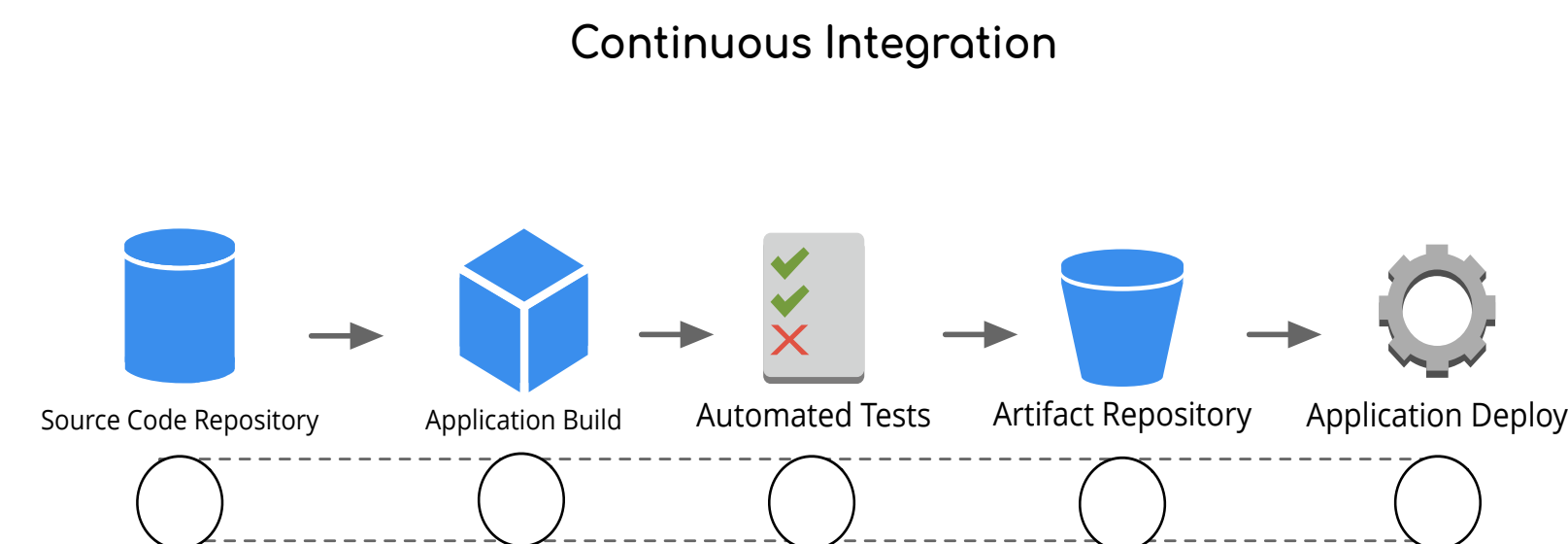
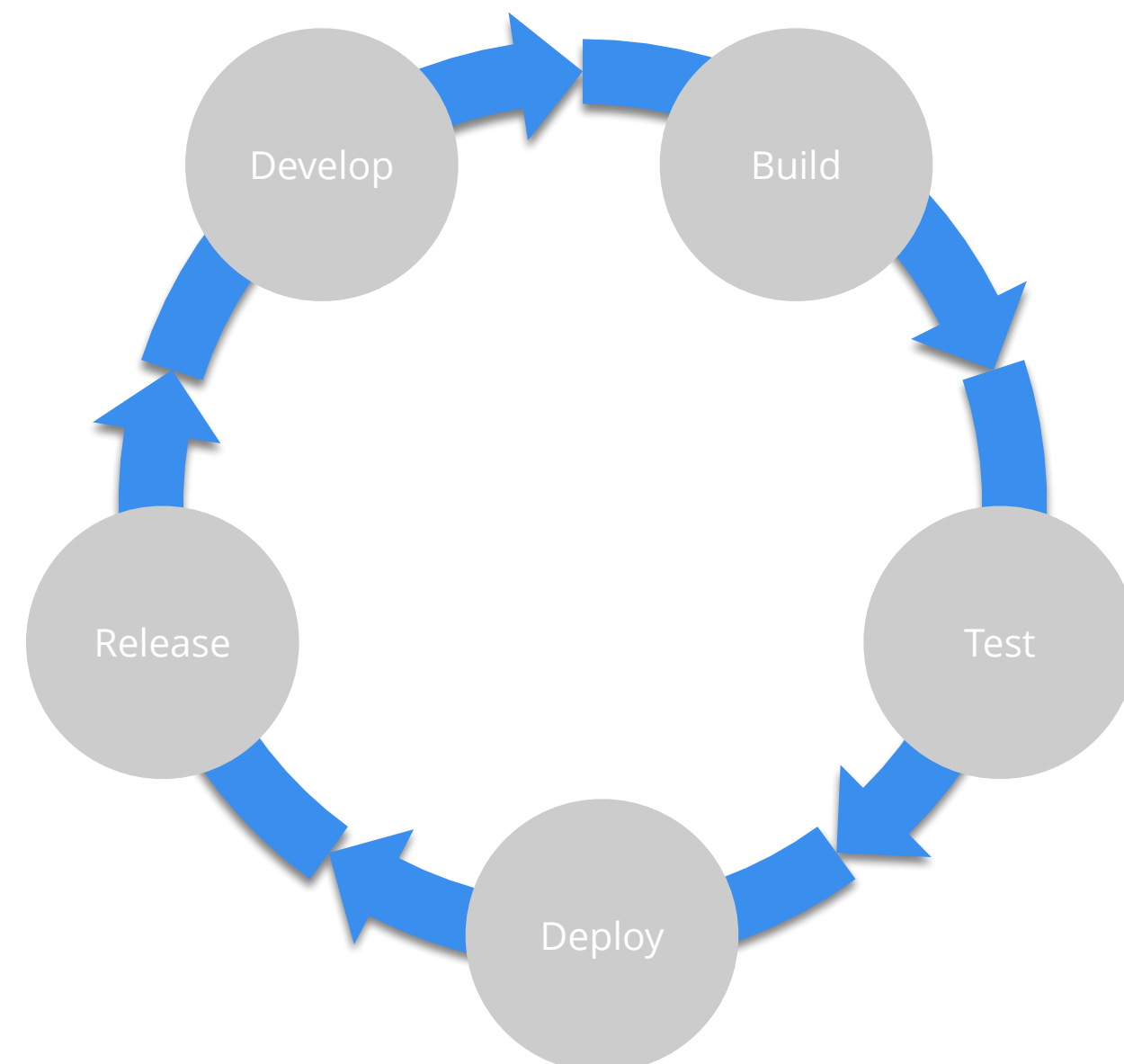
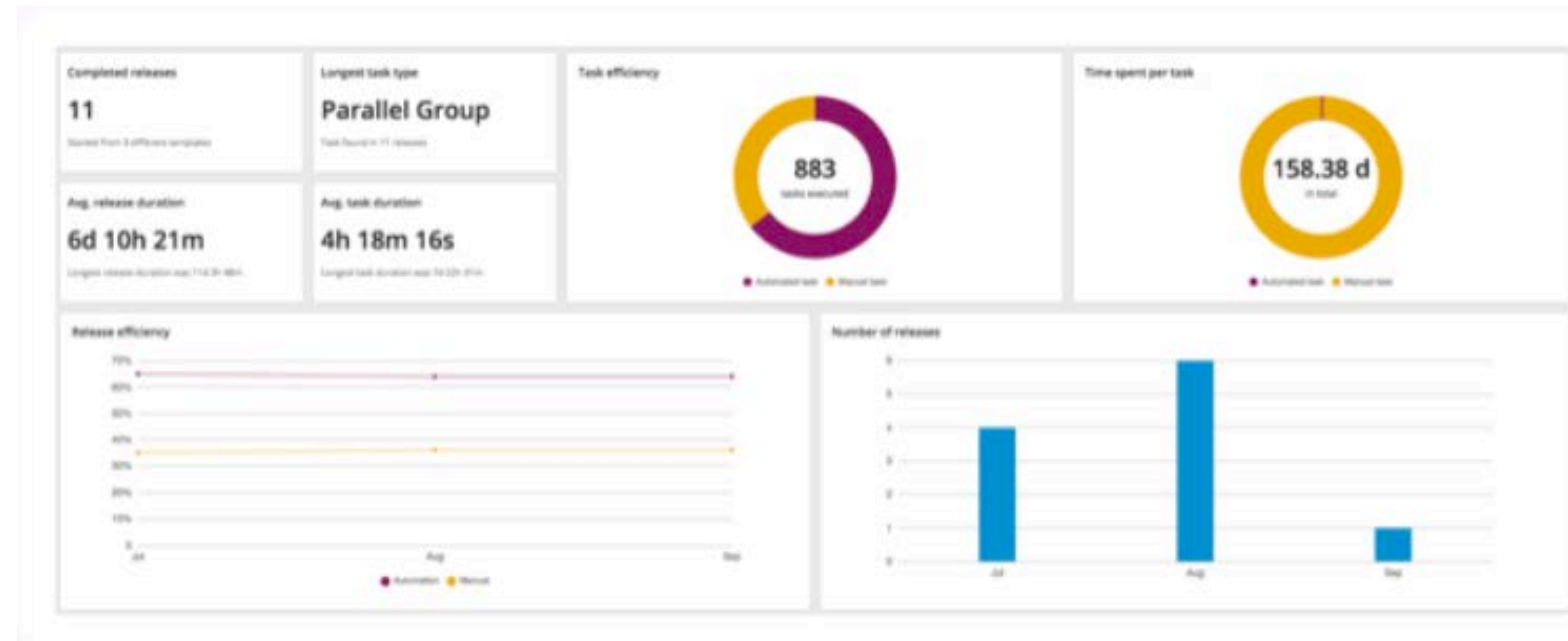
cloud native

Continues work started with containers. We must be able to provide end-to-end **automation** to deliver infrastructure. These capabilities **reduce time, effort** and **cost** required.



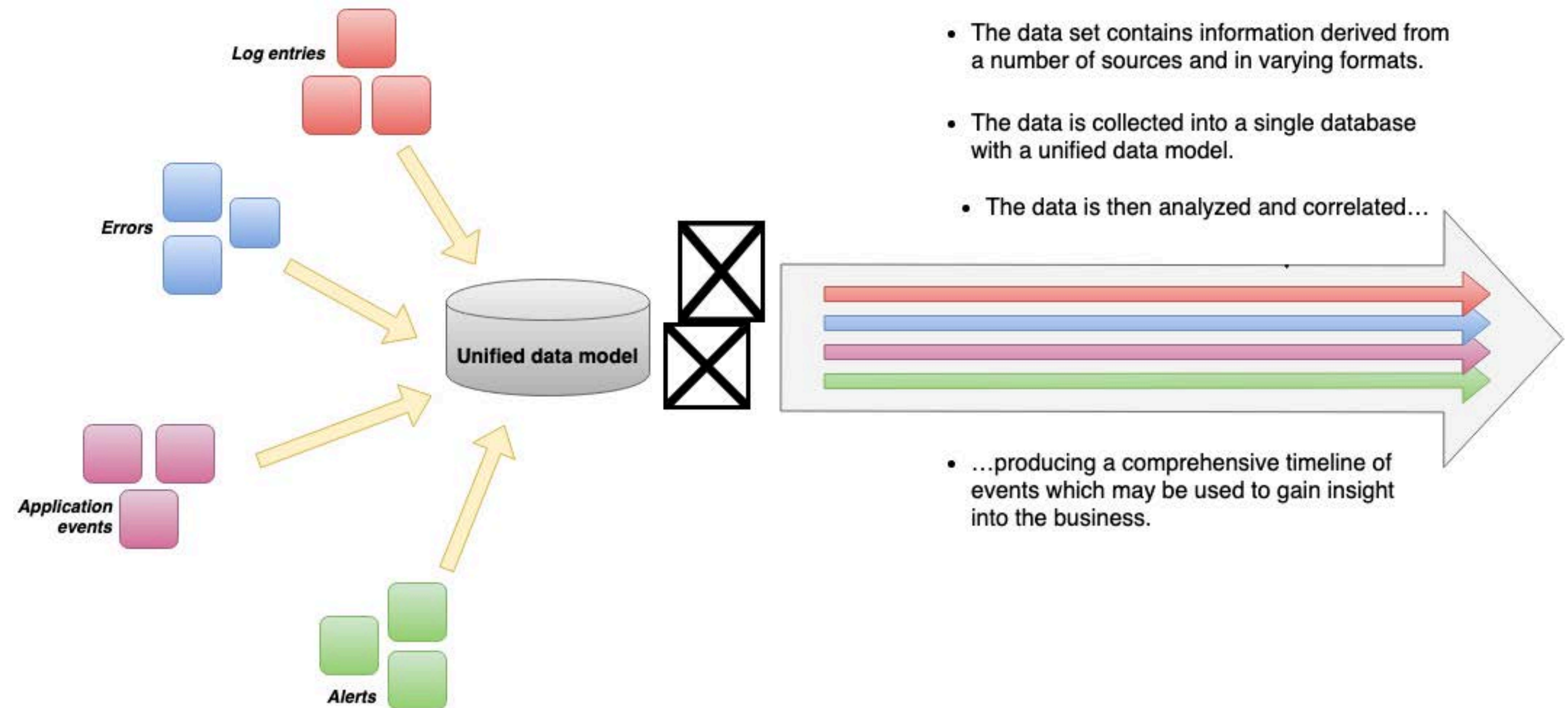
continuous integration / continuous delivery

Focusing on the build and release pipelines. Utilizing **feedback** from our pipelines to further **reduce bottlenecks** in the delivery processes.

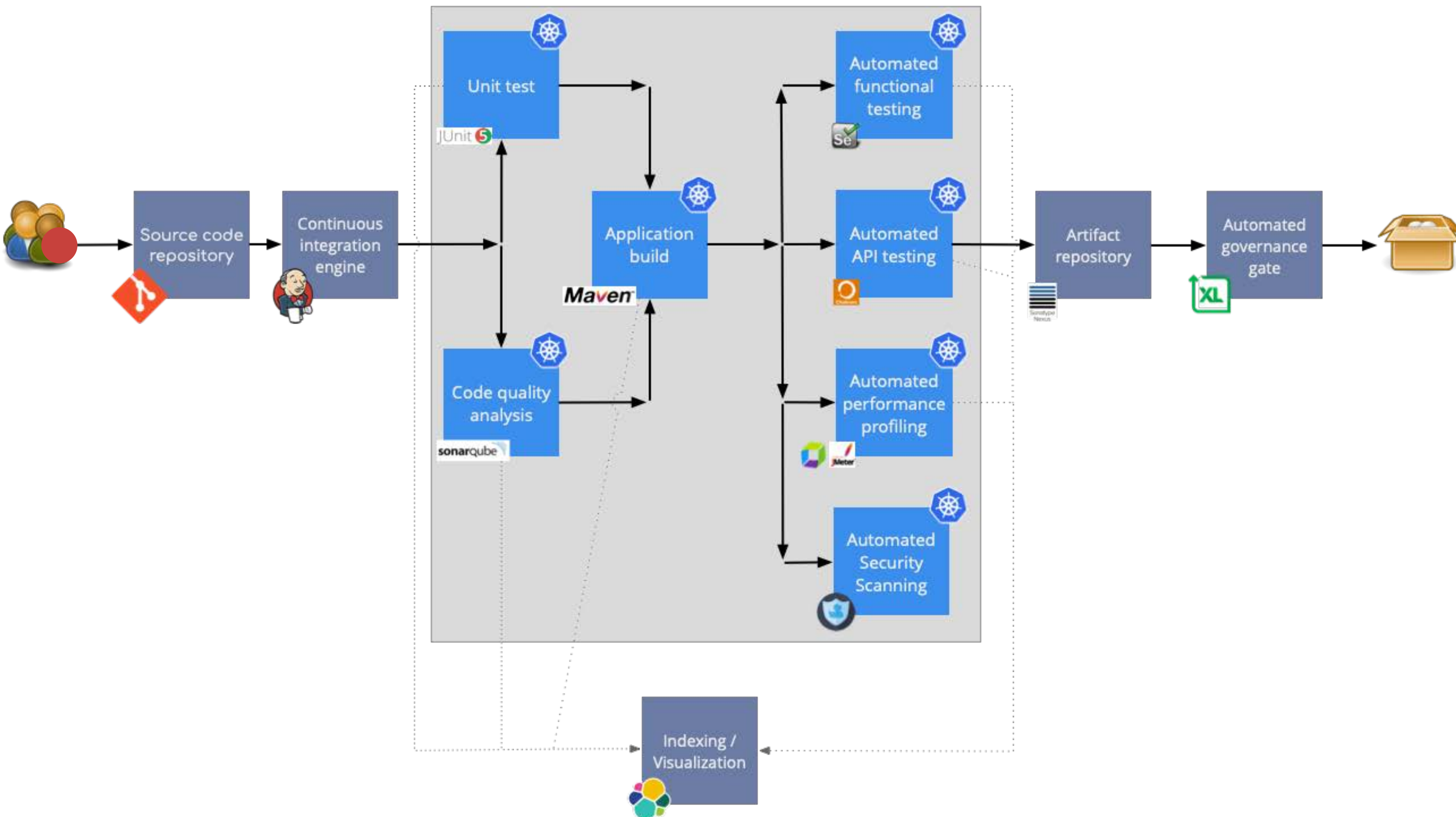


digital intelligence

Correlates purpose-driven data from systems, applications, network devices, etc. Drive **meaningful insight** into our systems to deliver business value.

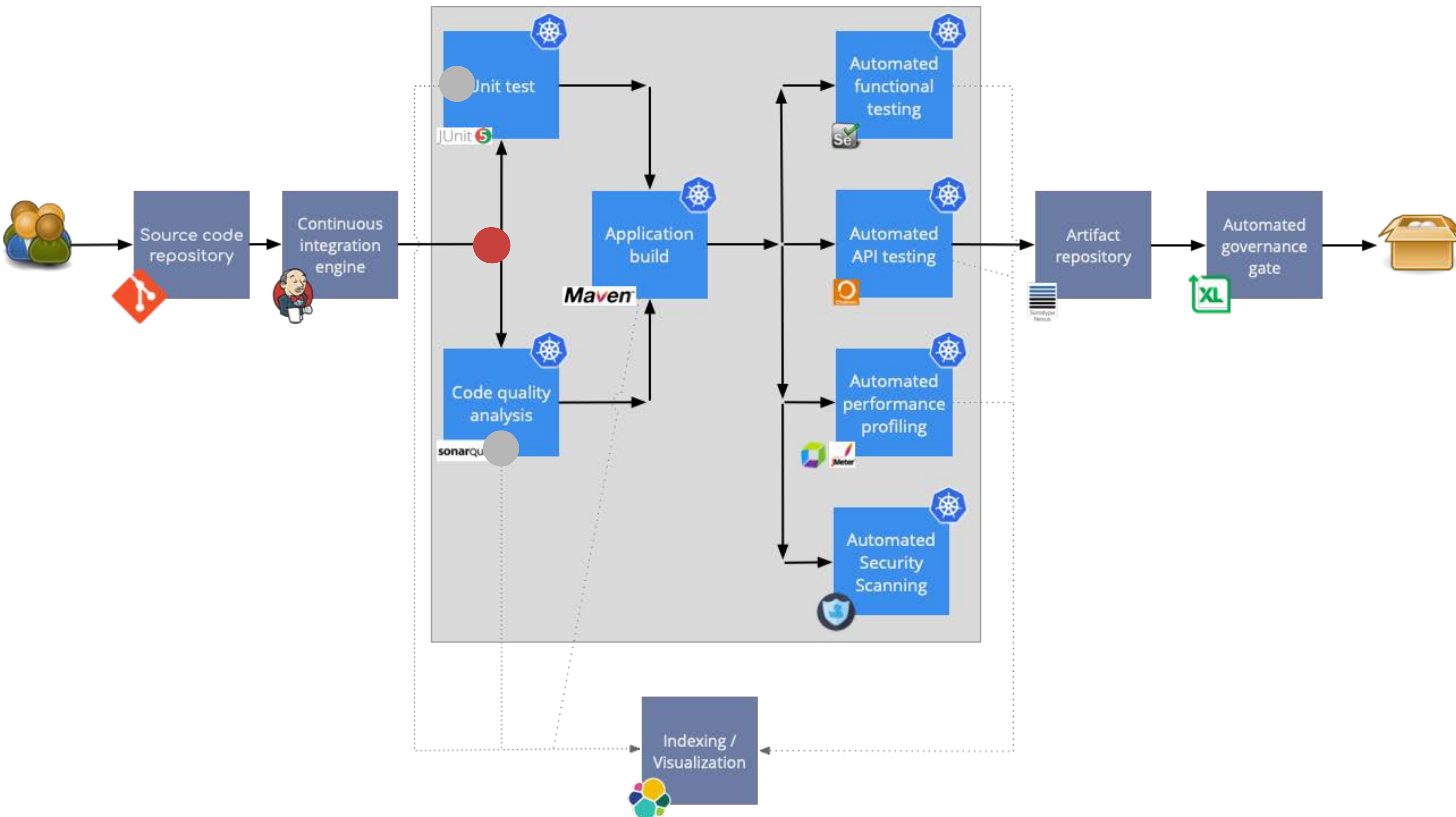


bringing it together



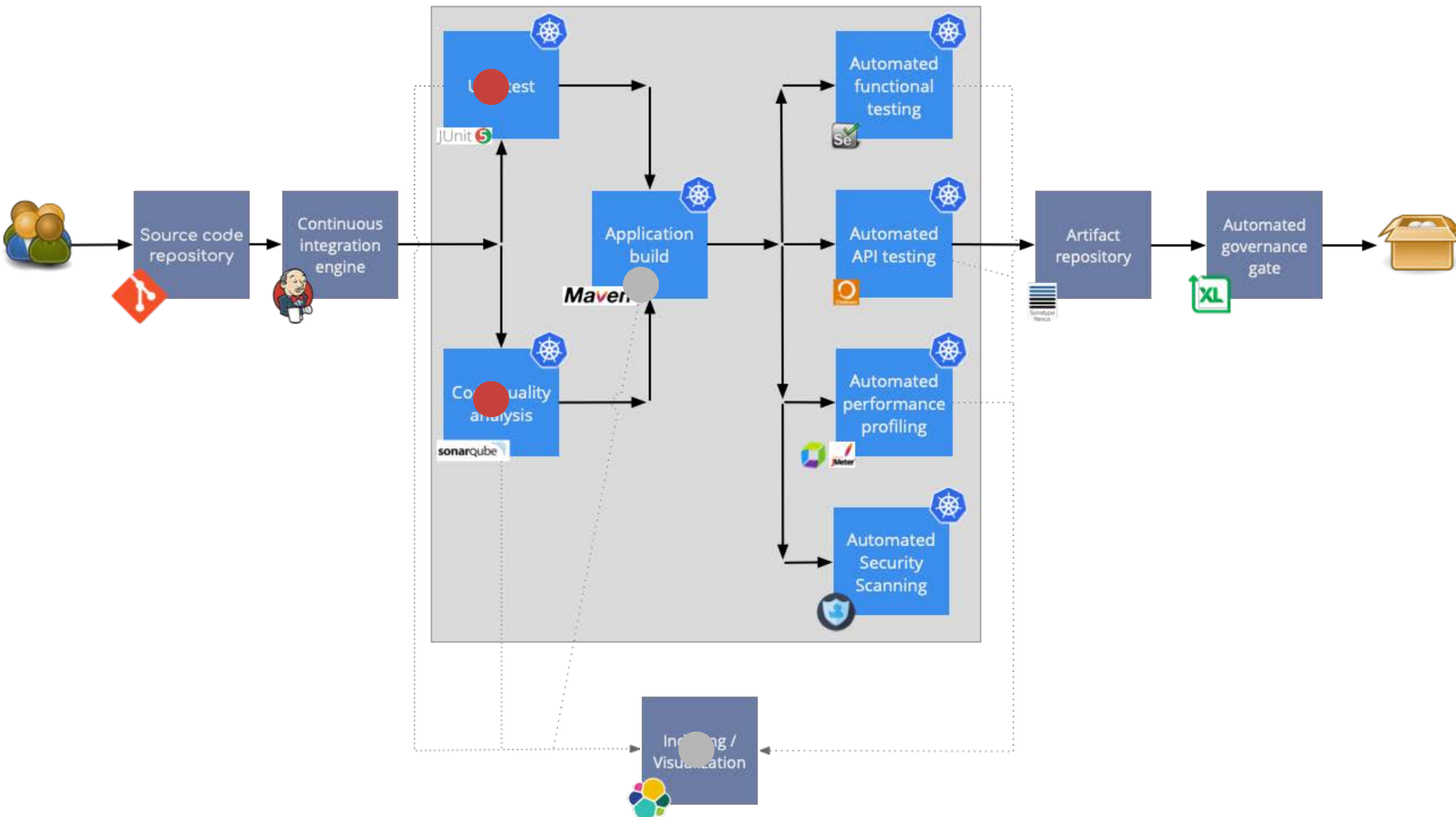
Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



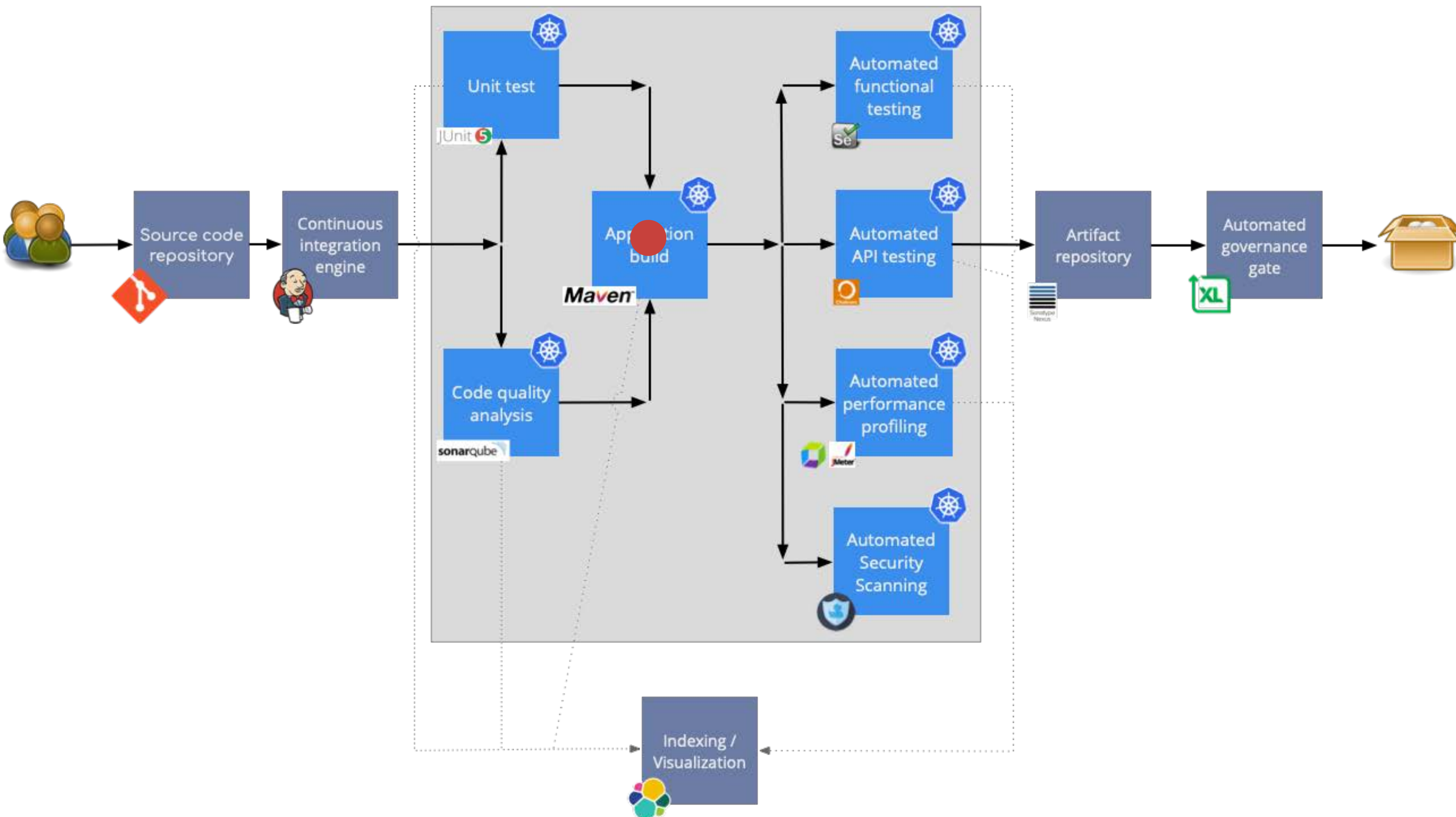
Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



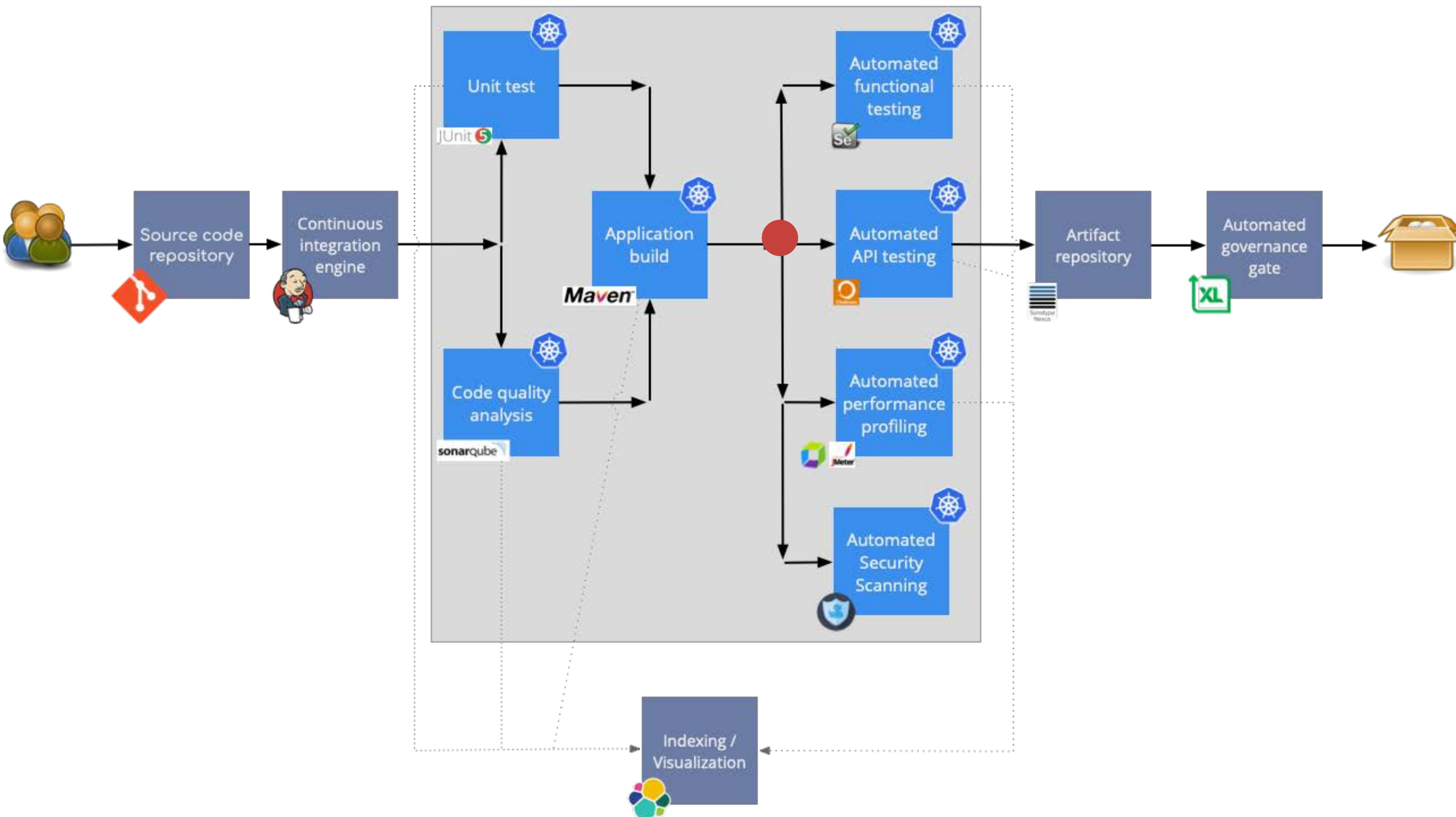
Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



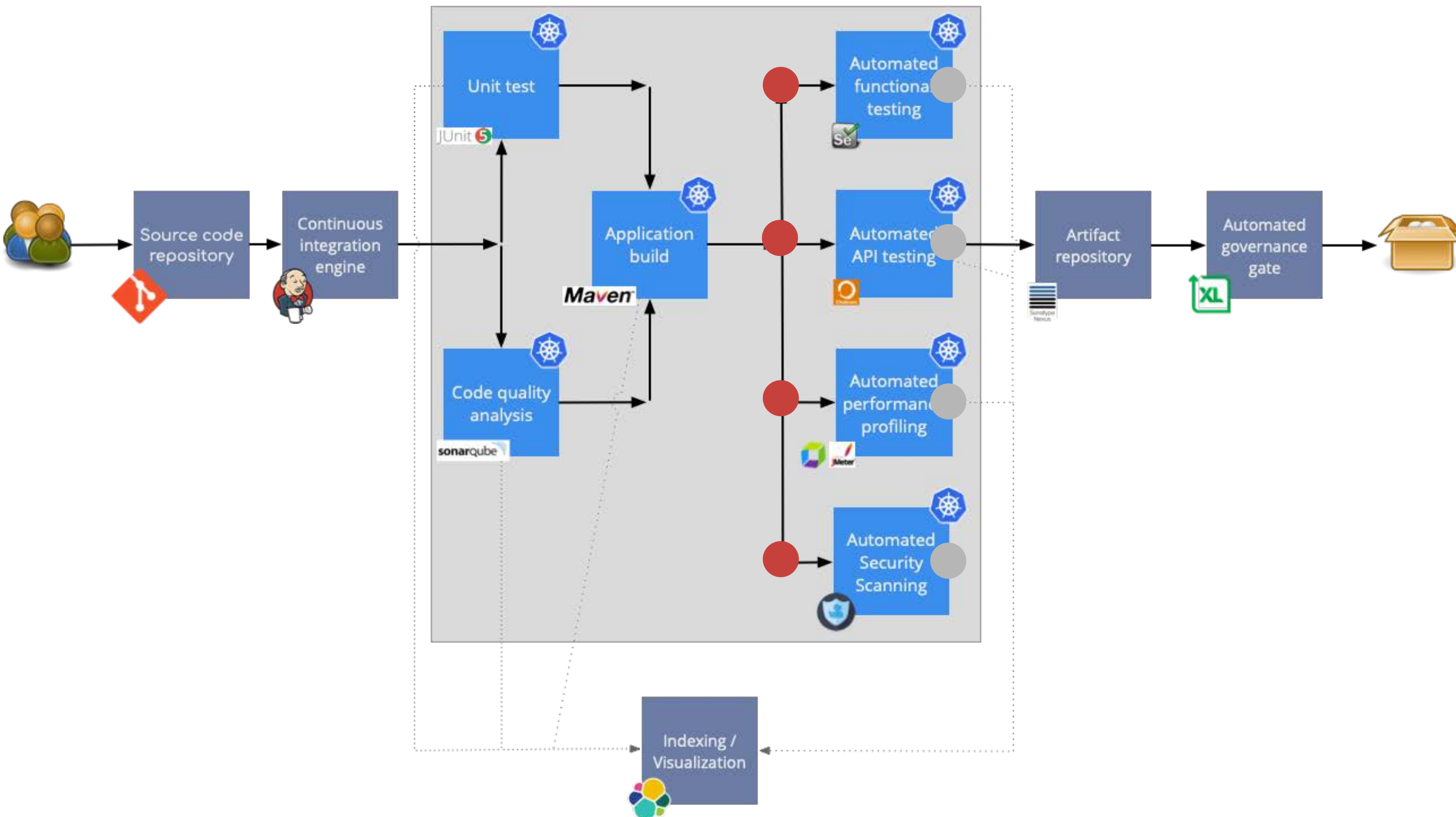
Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



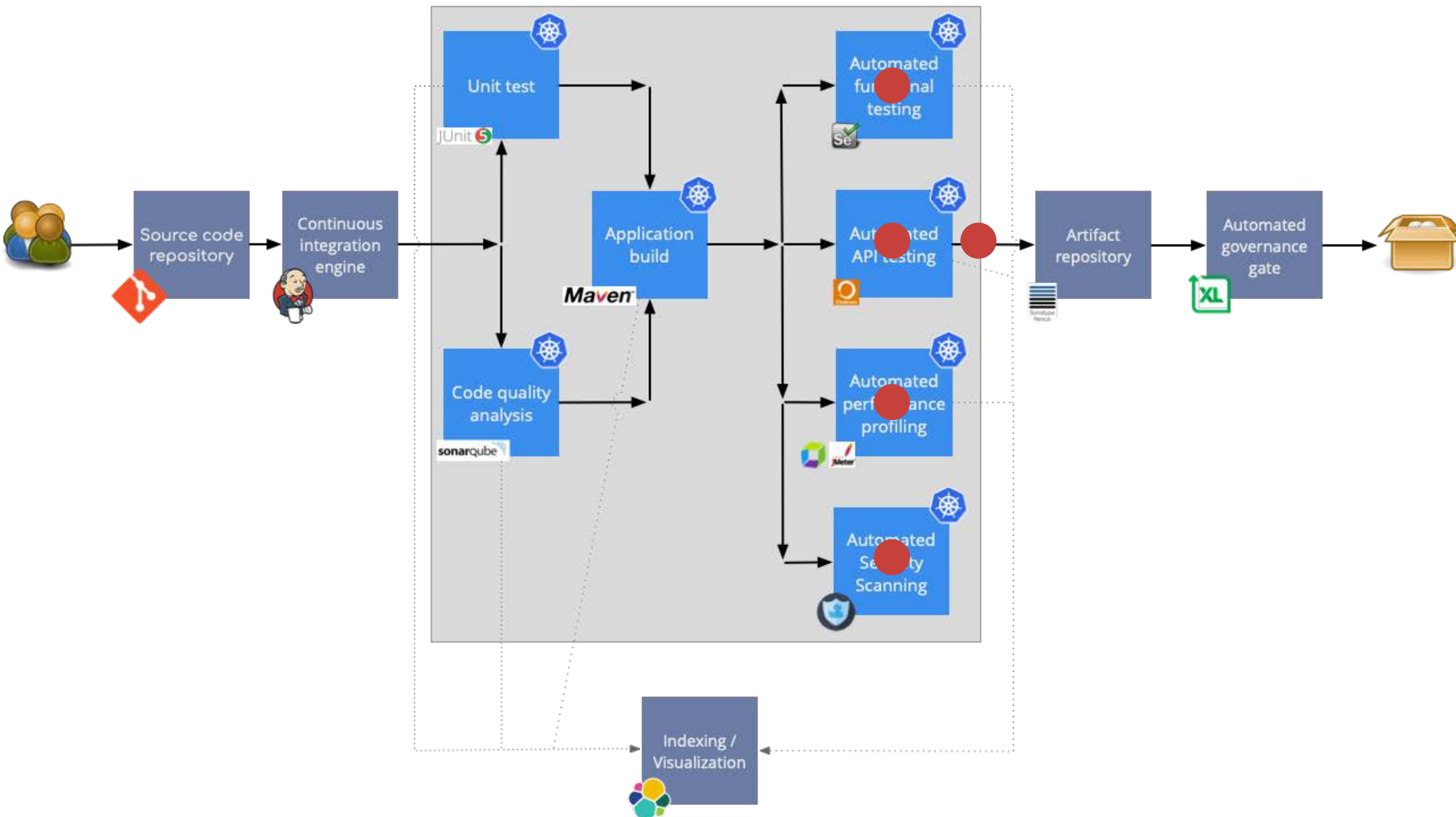
Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.

bringing it together



Leveraging each of the capabilities the teams provide, we are able to build **delivery pipelines** that focus on providing **continuous feedback** for our development community.