

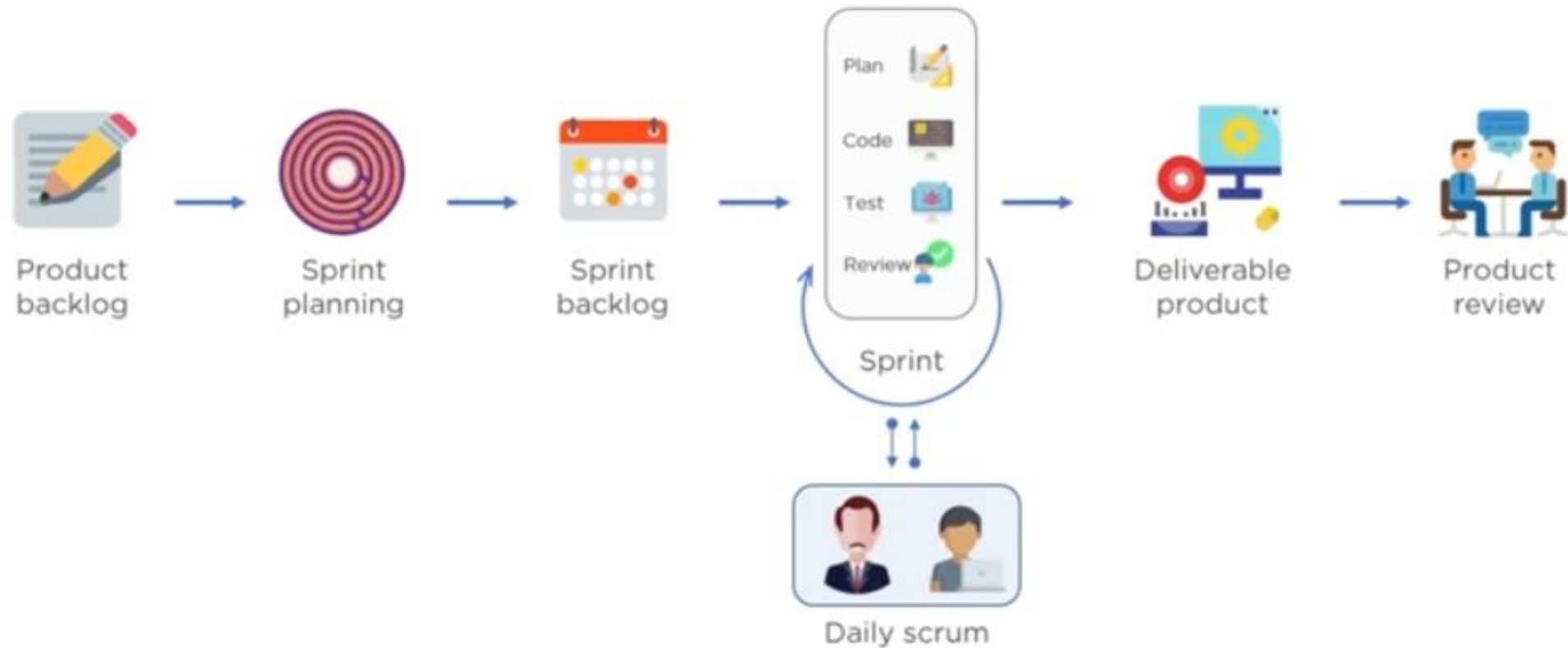


DevOps

Introduction

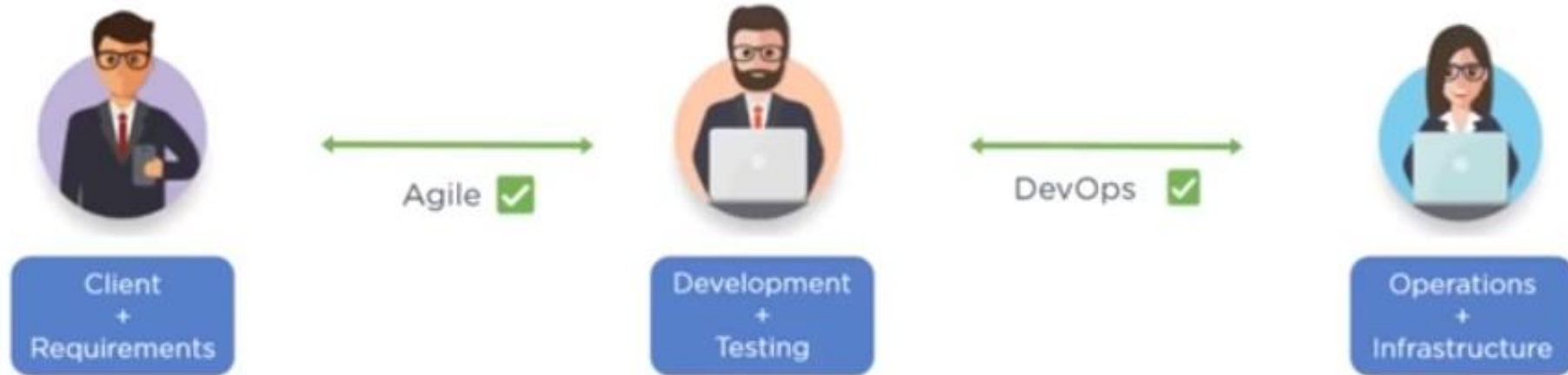
Agile Model

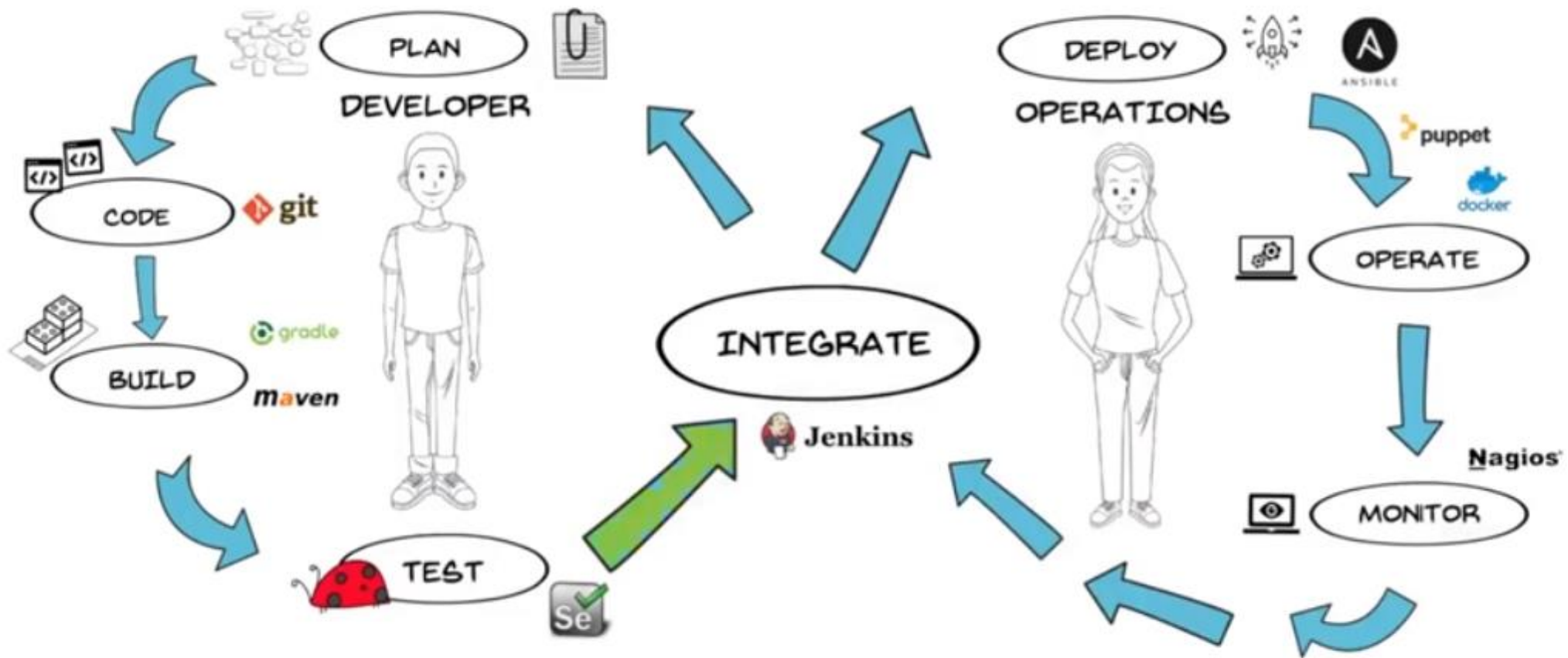
Workflow of Agile model



What is DevOps?

DevOps addressed the gap between Developers and Operations







Plan

In plan stage, business owners and software development team discuss project goals and create a plan

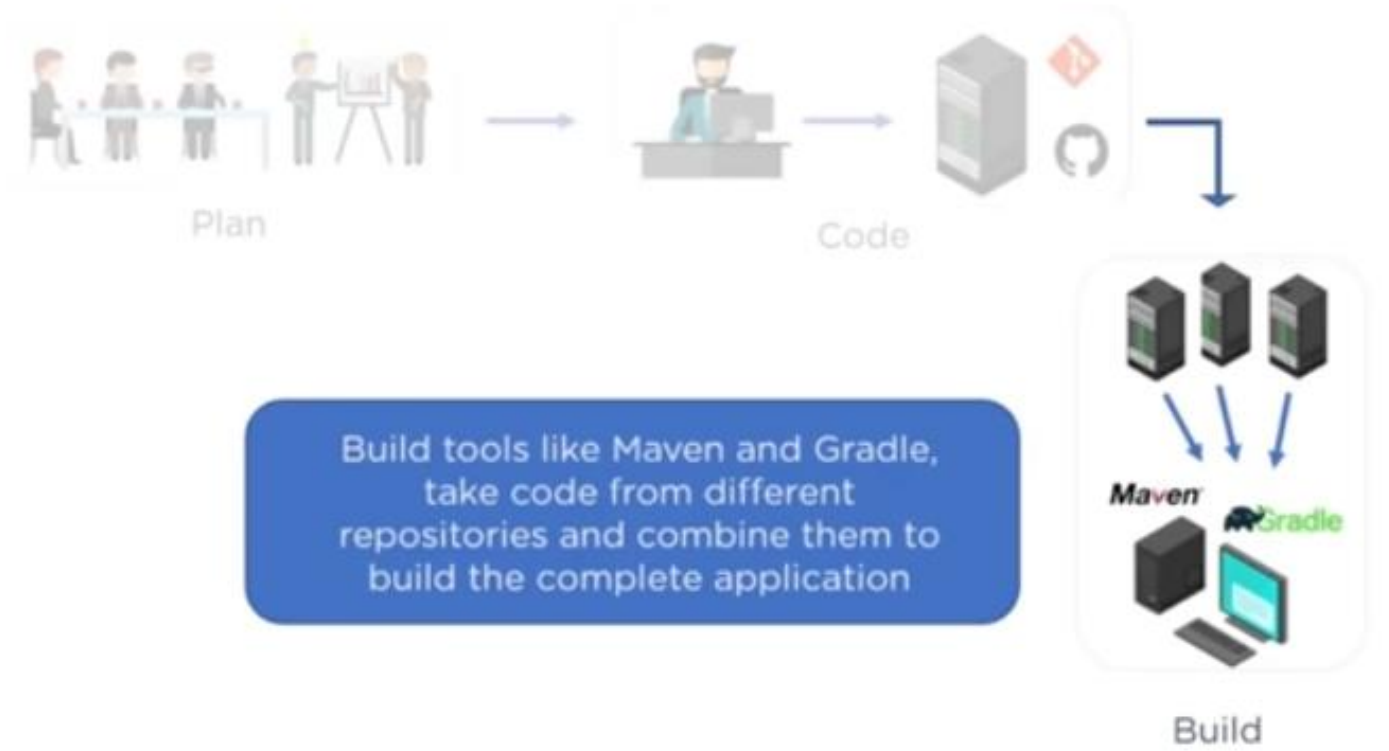


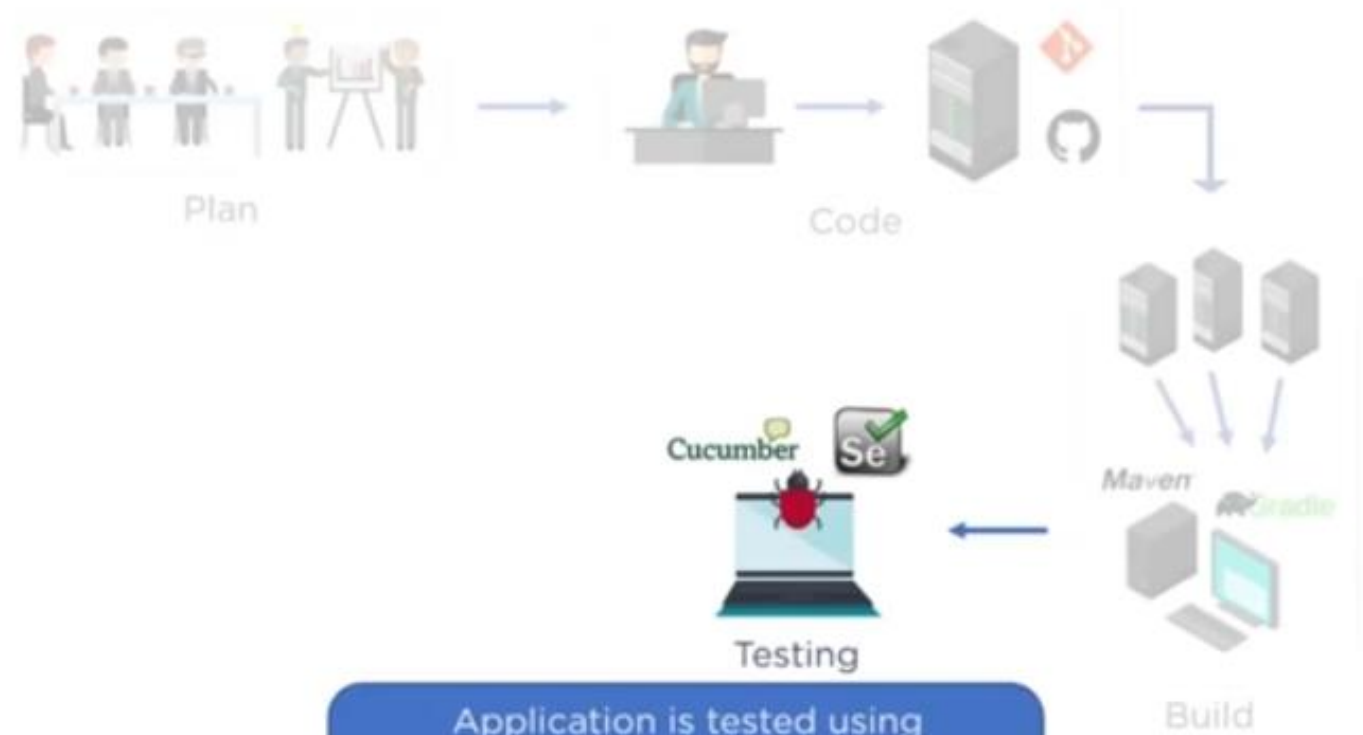
Plan



Code

Programmers then design and code the application and use tools like Git to store application code





Application is tested using automation testing tools like Selenium and JUnit to ensure software quality



Plan



Code



Maven

Gradle

Build



Testing



Integrate

When testing is complete,
new features are integrated
automatically to the already
existing codebase



Plan



Code



Testing



Build



Deploy



Integrate

Application is packaged after release and deployed from development server to production server



Plan



Code



Maven

Gradle

Build



Testing



Integrate



Deploy



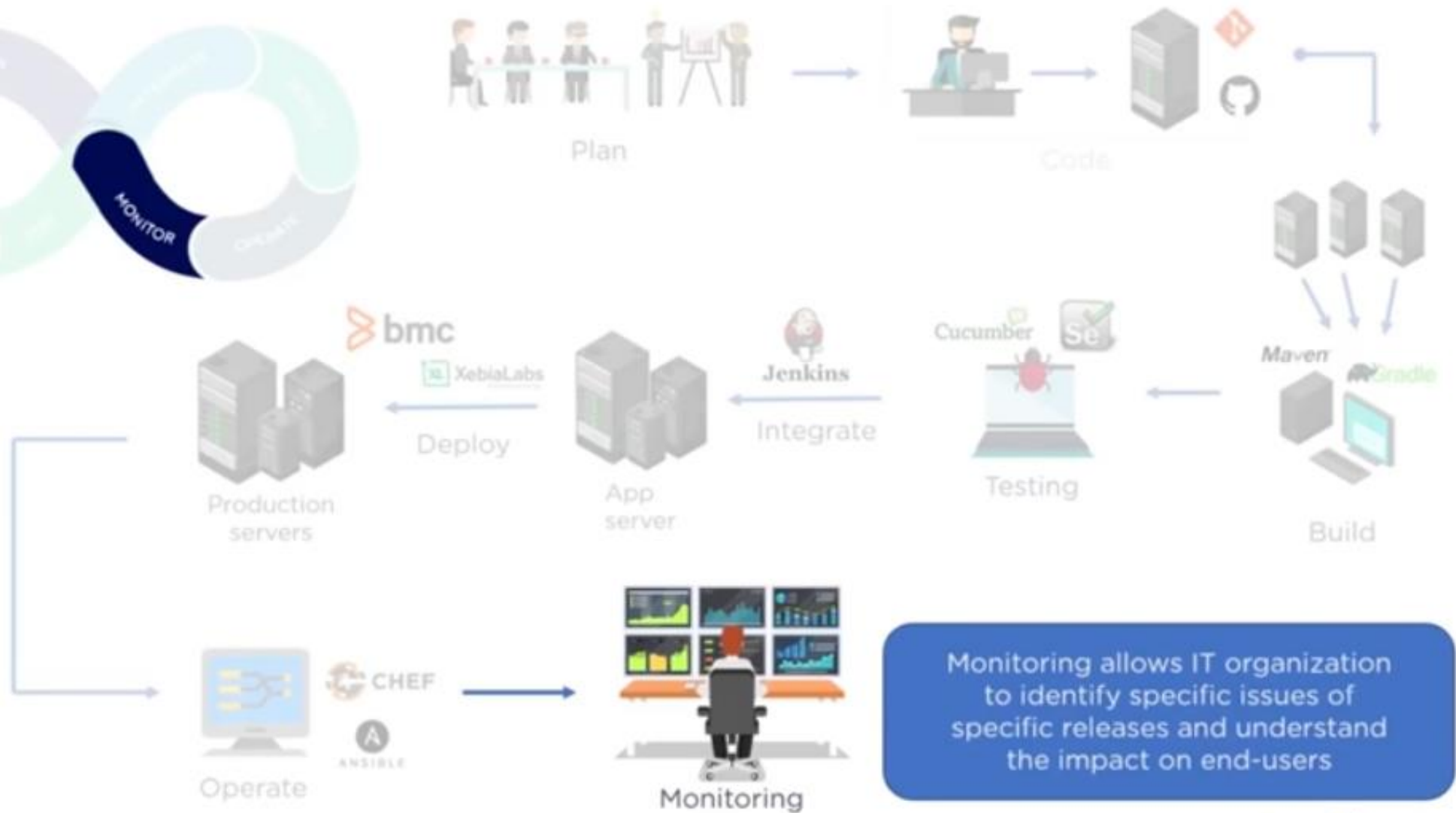
Production
servers



Operate

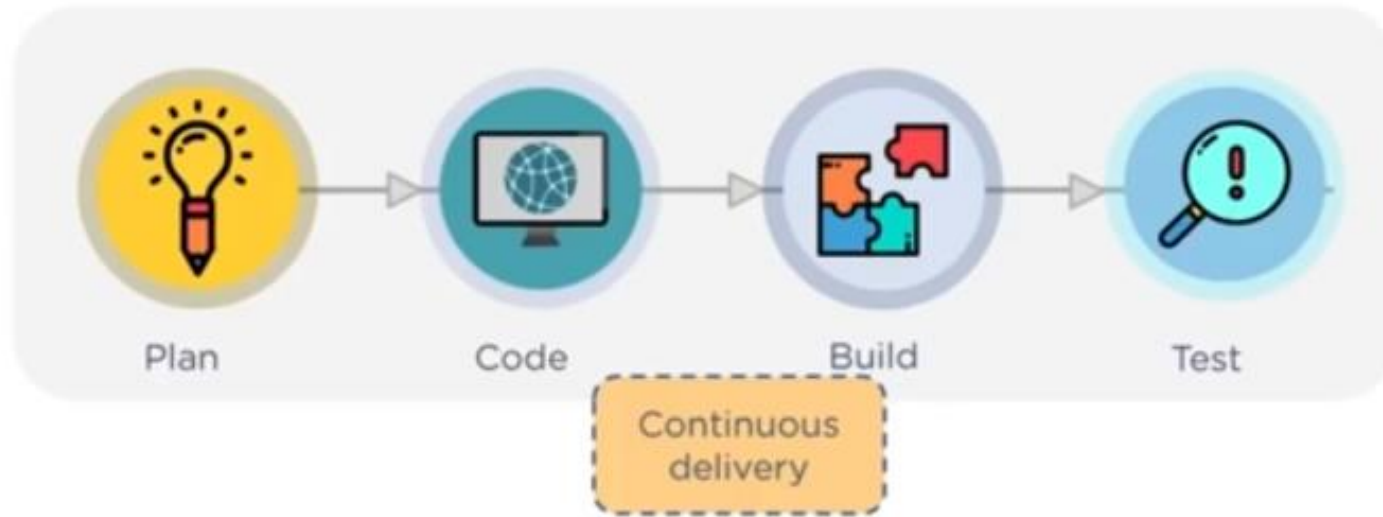


Once software is deployed, operations team perform activities such as configuring servers and provisioning them with the required resources

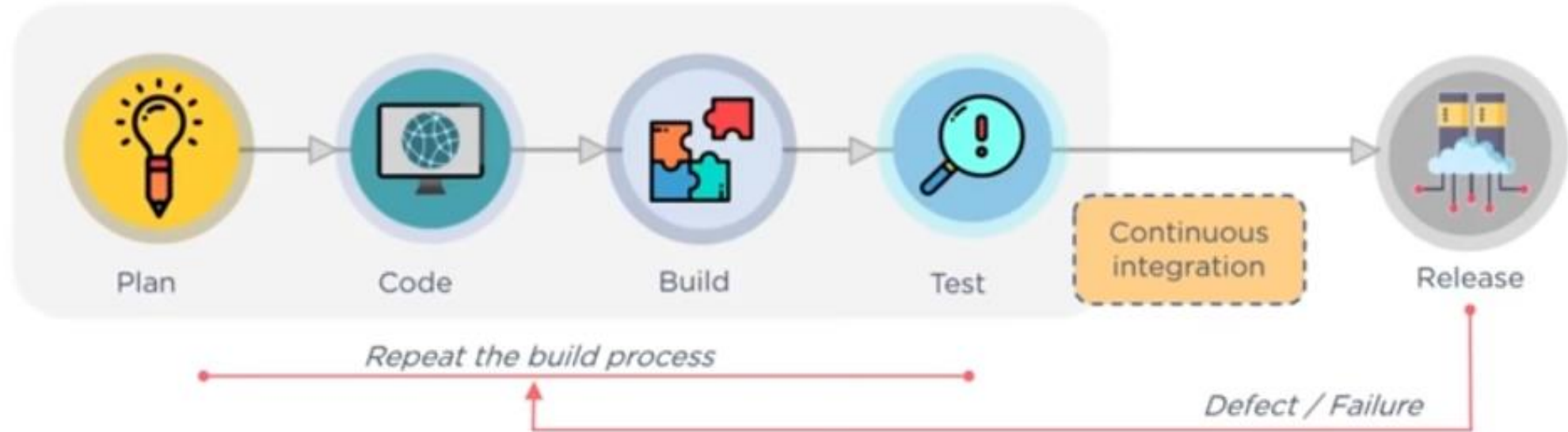


Monitoring allows IT organization to identify specific issues of specific releases and understand the impact on end-users

Continuous Delivery



Continuous Integration



Continuous Deployment

