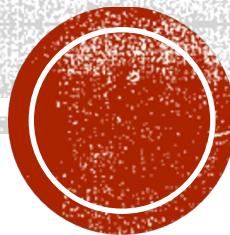
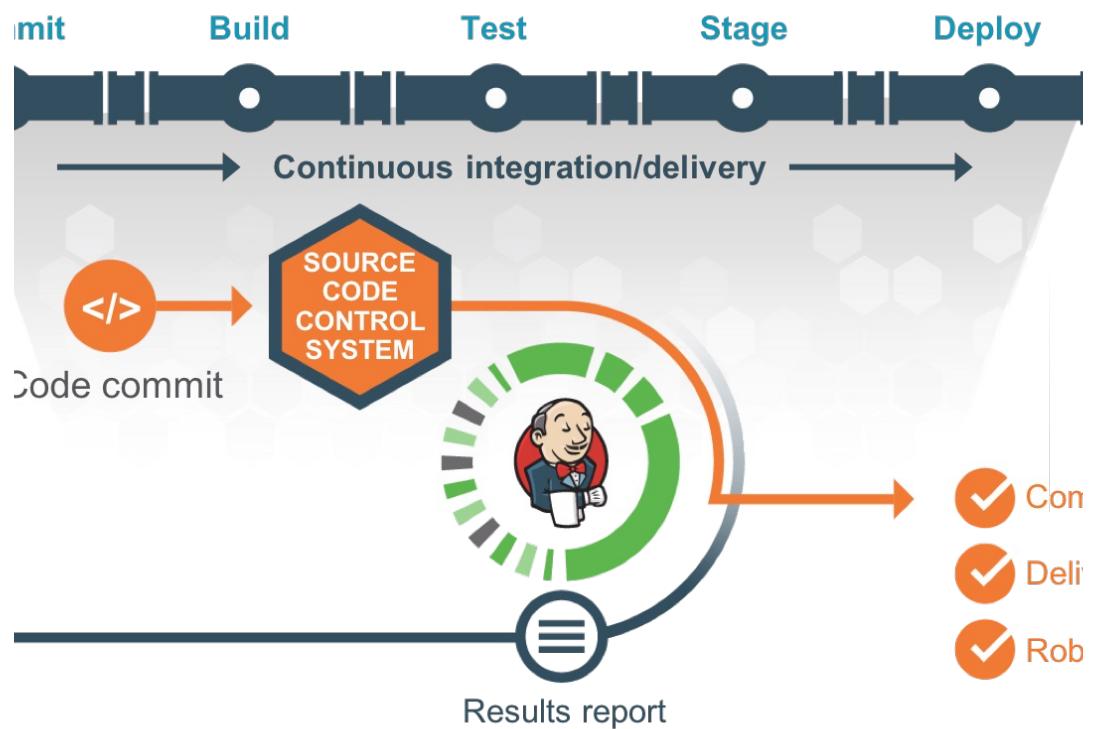


# THE FUNDAMENTAL AND BENEFITS OF CI/CD



# WHAT IS THE CI/CD?



- CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development.
- Continuous integration, which is an automation process for developers, new code changes to an app are regularly built, tested, and merged to a shared repository.
- Continuous delivery, which are related concepts that sometimes get used interchangeably, a developer's changes to an application are automatically bug tested, uploaded to a repository and deployed to a live production environment by the operations team.

## BENEFITS OF CI/CD



- Higher efficiency of web development
- Reduced risk of defects
- Faster product delivery
- Exclusive log generation
- Easier rollback of code changes

# BENEFITS OF CI/CD

- Automated testing enables continuous delivery, which ensures software quality and security and increases the profitability of code in production.
- CI/CD pipelines enable a much shorter time to market for new product features, creating happier customers and lowering strain on development.
- The great increase in overall speed of delivery enabled by CI/CD pipelines improves an organization's competitive edge.

- Automation frees team members to focus on what they do best, yielding the best end products.
- Organizations with a successful CI/CD pipeline can attract great talent. By moving away from traditional waterfall methods, engineers and developers are no longer bogged down with repetitive activities that are often highly dependent on the completion of other tasks.