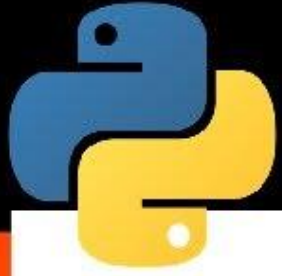


DevOps



తగ్గేదే లే

# PYTHON

## 11 గంటల్లో

## నేర్చుకోండి



తగ్గేదే లే, టీచింగ్ STYLE నీ నీ నీ

# GIT

## 6 గంటల్లో

### నేర్చుకోండి



**Suresh Techs**

# Upcoming

- **Java**

- **React**

- **React native**

- **Java script**

- **Android**

- **Flutter**

- **Many more**

**SUBSCRIBE**

# Who should watch this video?

- Only for people who don't have idea on DevOps
- It is not recommended for experienced candidates
- This video will become an entry point for DevOps Course

# What we learn here?

- CI/CD
- Tools used in DevOps
- Pipelines
- Common Interview questions

**Let's get started**

# In Simple

- DevOps
- Dev + Ops
- **Dev**elopment + **Ope**rations
- **DevOps**

Trick బాగుంది కదా

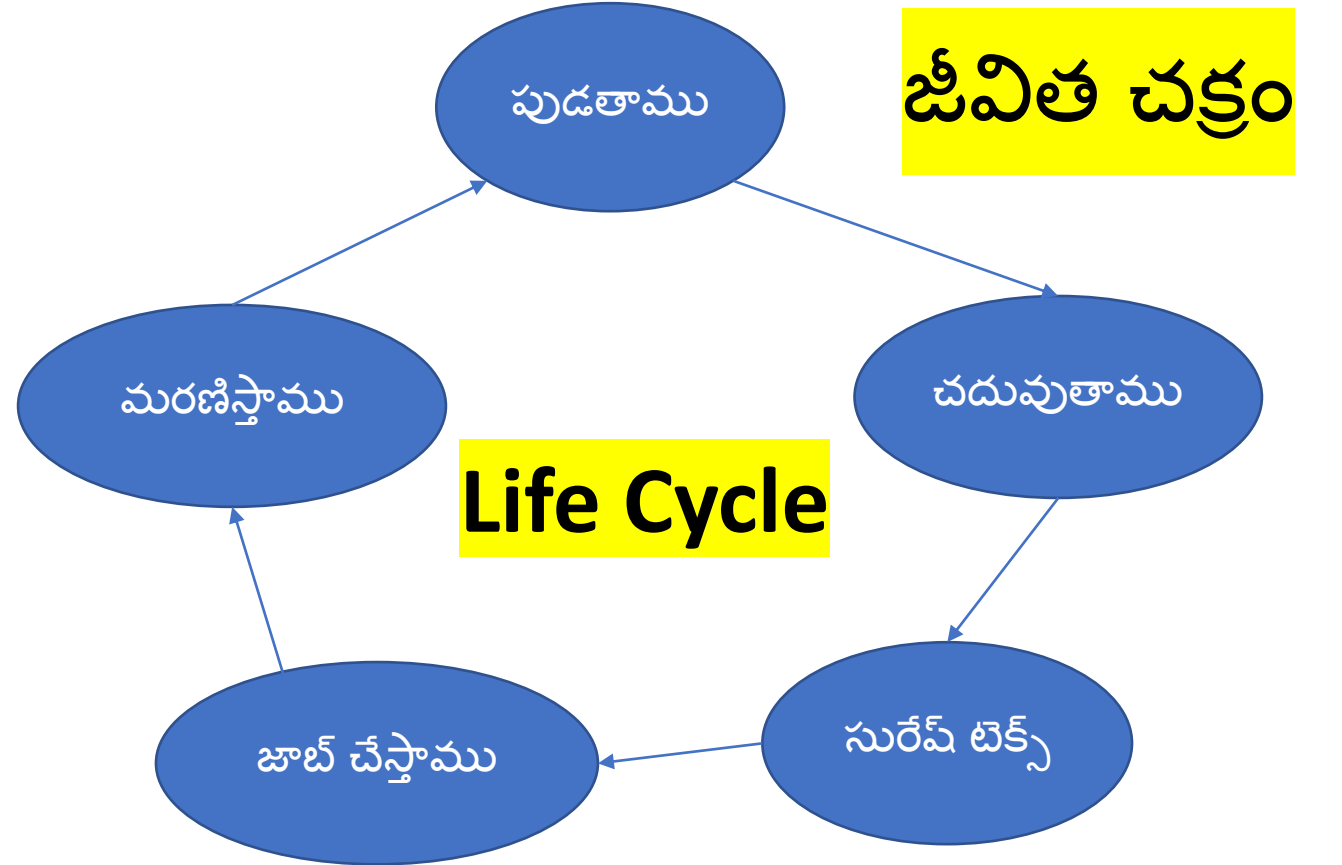
**Patrick Debois**



# భగవద్గీత

## Human Life Cycle

- పుట్టిన వానికి మరణం తప్పదు, మరణించినవానికి మరల పుట్టుక తప్పదు. కాబట్టి ఈ అనివార్యమైన దాని కోసం నీవు శోకించ వద్దు.





**సూరిగాడి మడత కాజా**

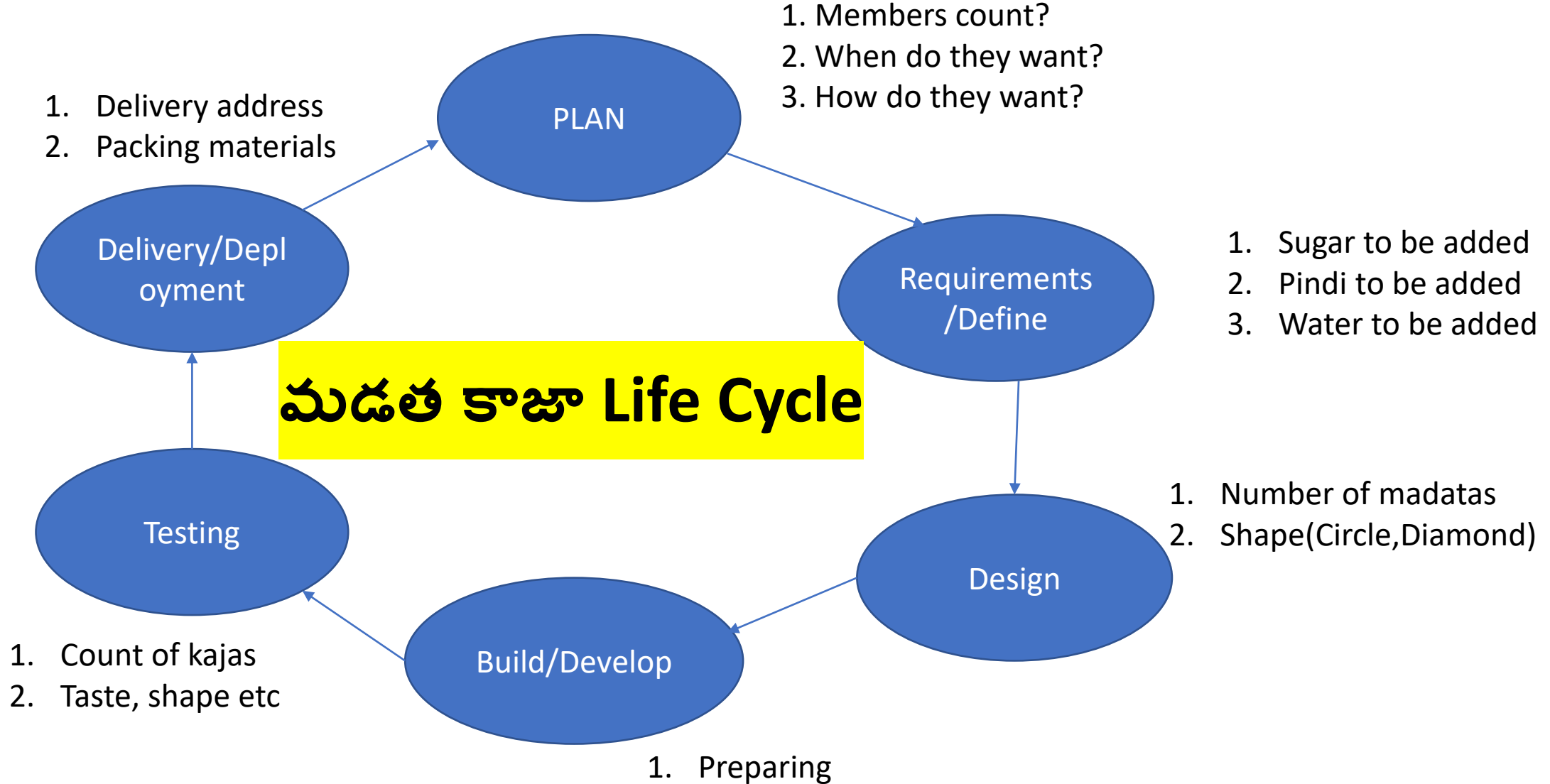
Where is  
DevOps here?

# సూరిగాడి మడత కాజా

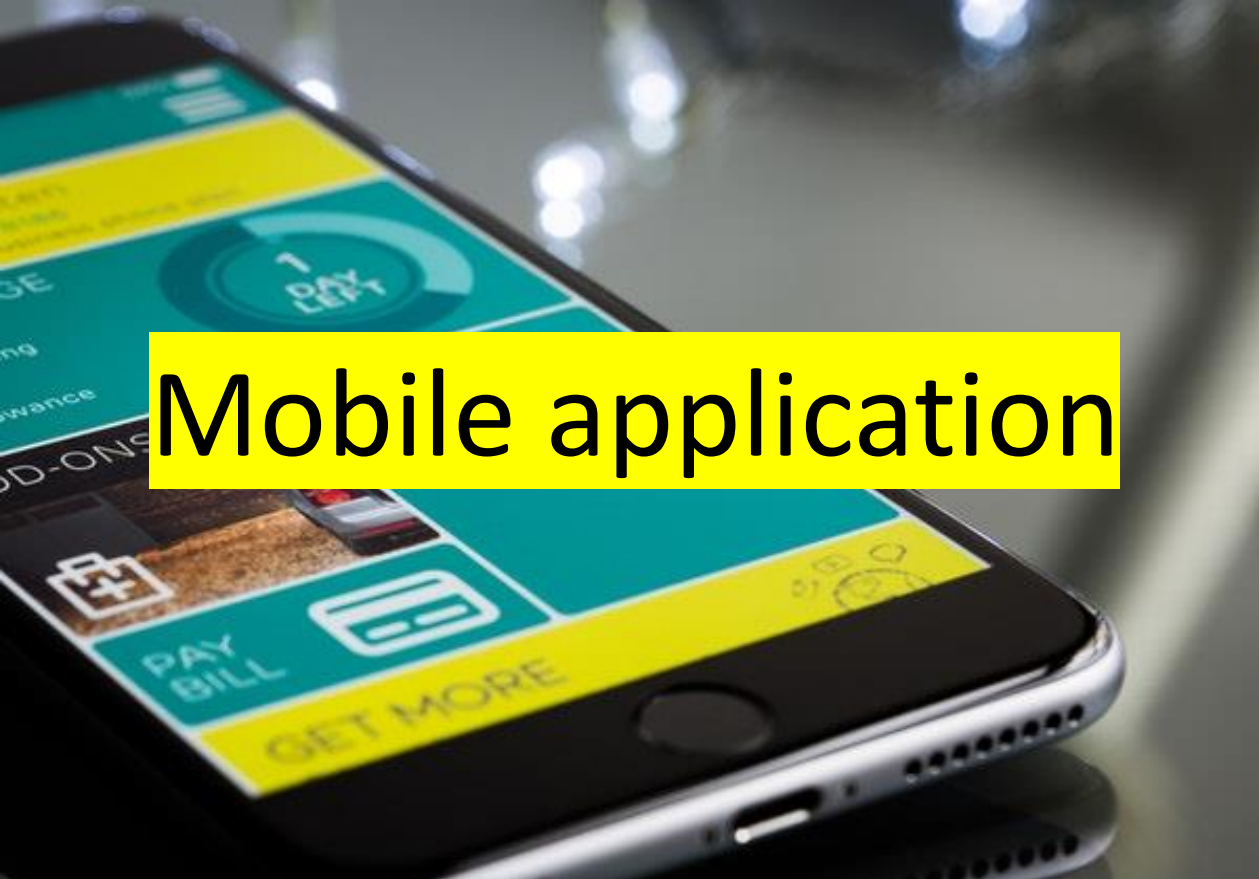
- What happens when he get's an order?



# మడత కాజా ఎలా చేస్తారు?







What if you get an order/project to develop a software?

It can either be a website, mobile app etc



LOGIN

ALL SWEETS

ORDER MORE

LOGOUT

VERSION 1.0

Where is DevOps here?

PLAN

Delivery/Deployment

**SDLC**

Requirements/Define

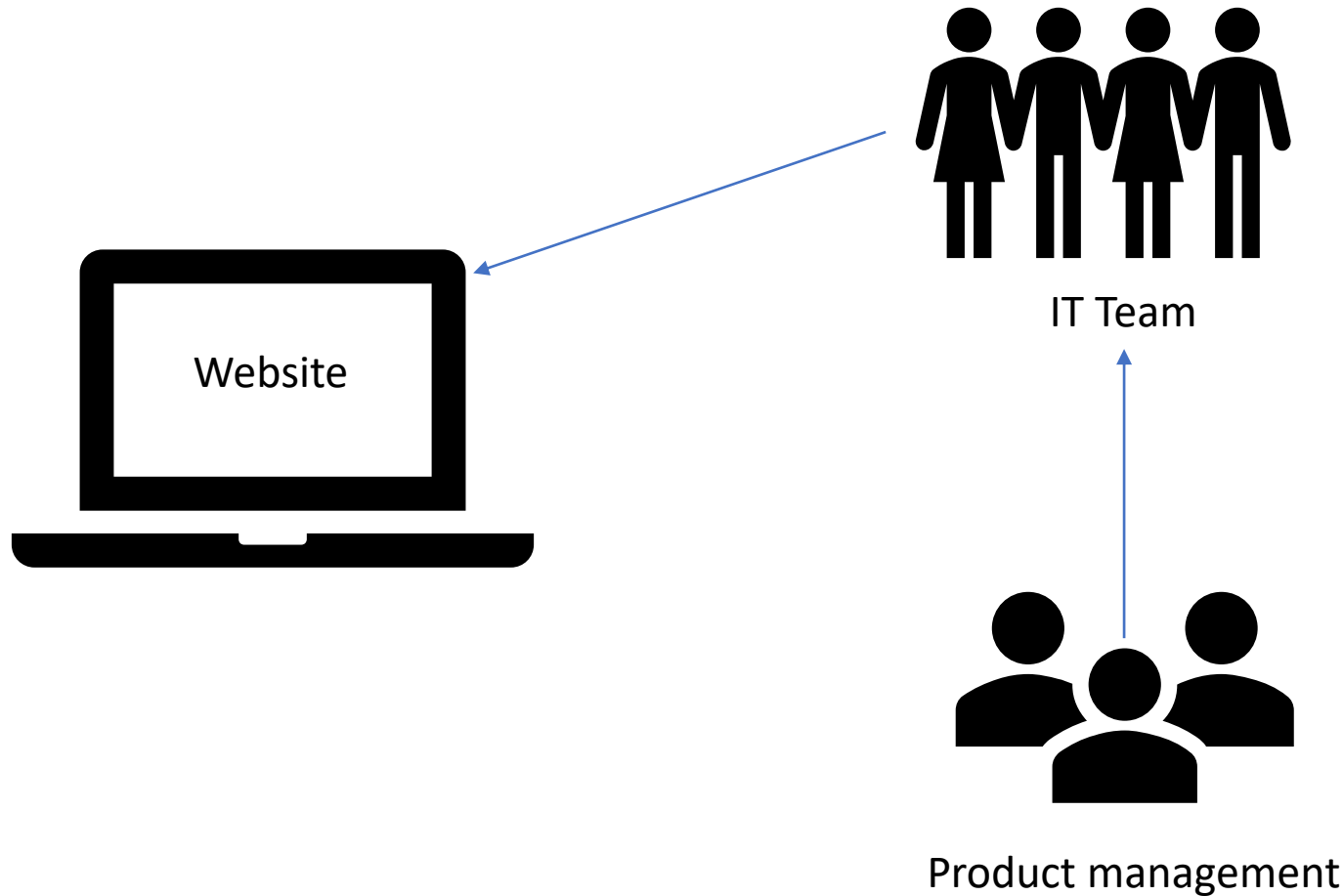
**Software Development Life Cycle**

It is a process used by software industry to design, develop, and test high quality softwares

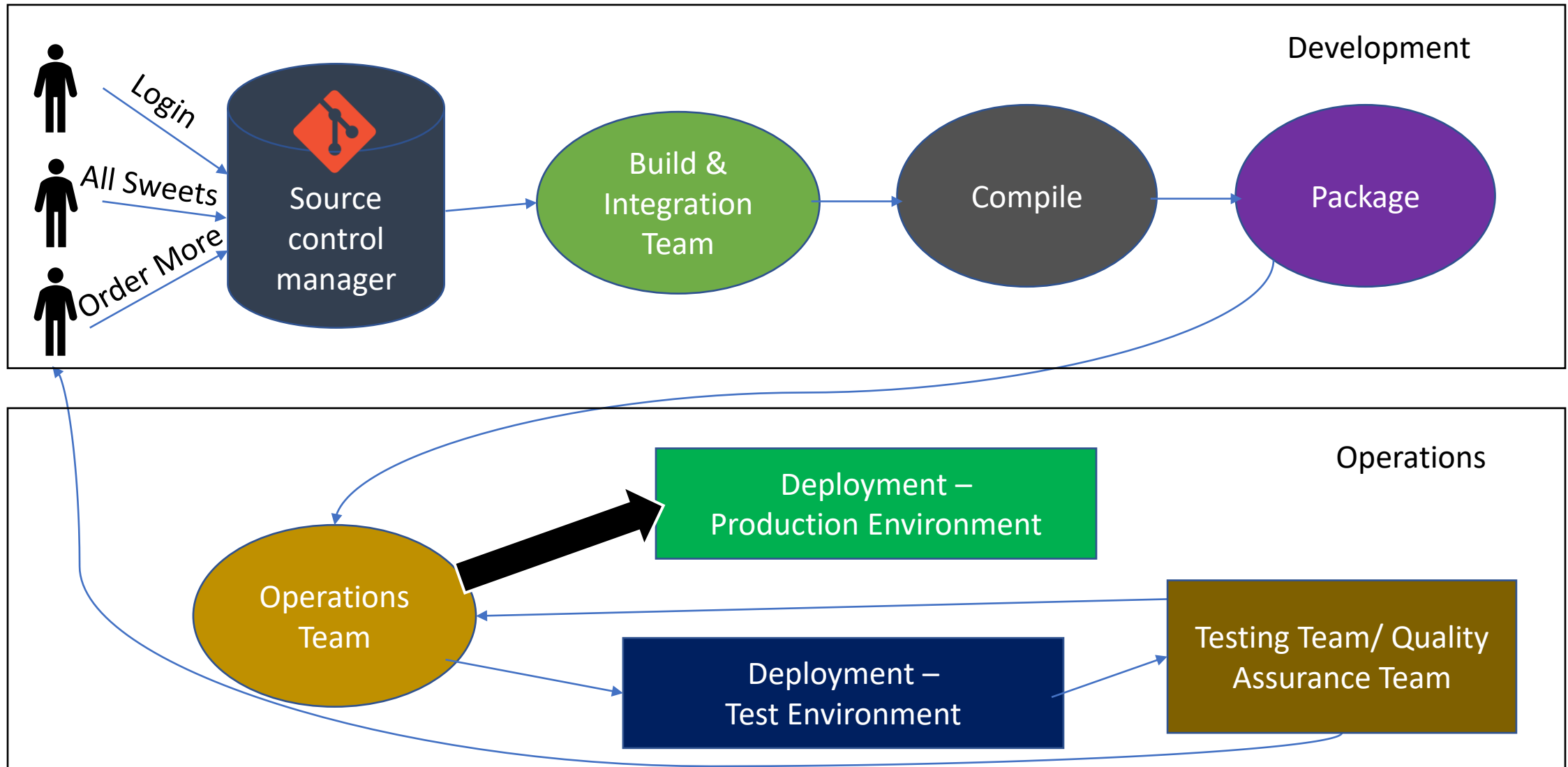
Design

# SSS website

**He/She is called  
software Engineer**



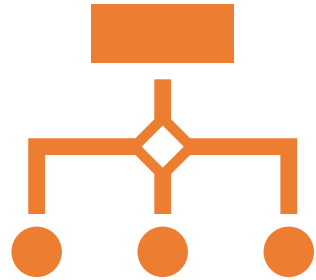
# Software development process



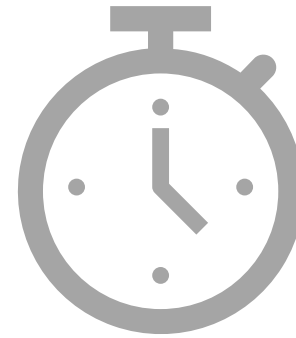


# Issues during this process

---



Integrating the code(Manual process)



Functional defects takes longer time to fix

# Continuous Integration ( CI )

- Practice of merging all developers working copies to a shared mainline several times a day – wiki
- Practice that requires developers to integrate code into a shared repository several times a day - many

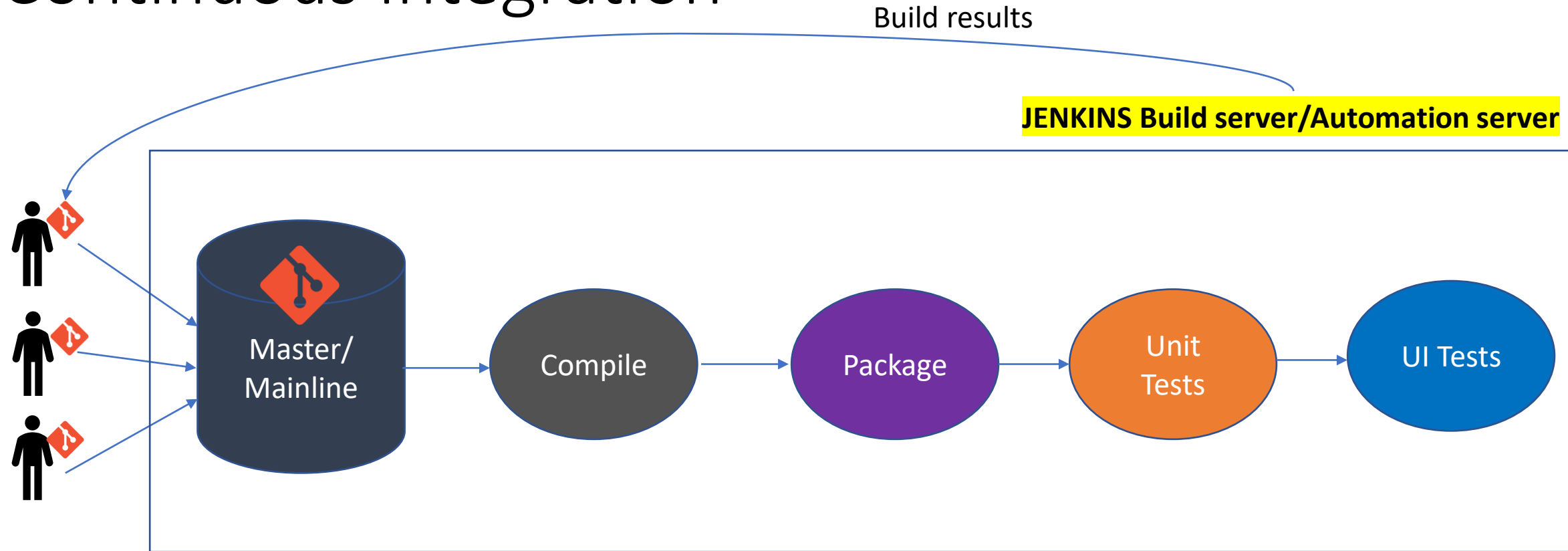
# Jenkins (Build server)

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- **Automation server**
- Helps automate the parts of the software development related to building, testing, deploying.

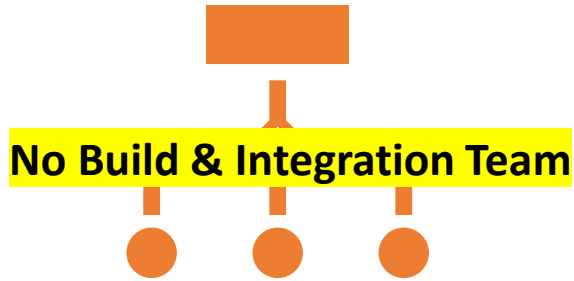


# Continuous Integration



**Tool: Jenkins**

# How Continuous integration helps us?



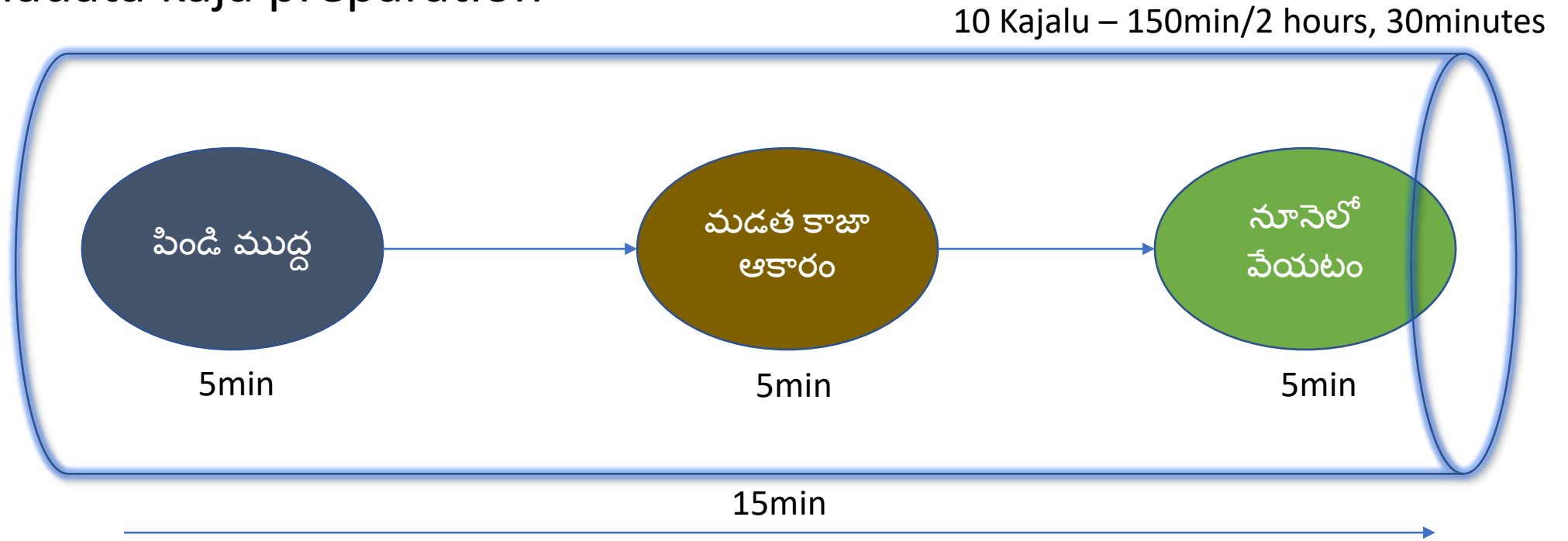
Integrating the code(Manual process)



Functional defects takes longer time to fix

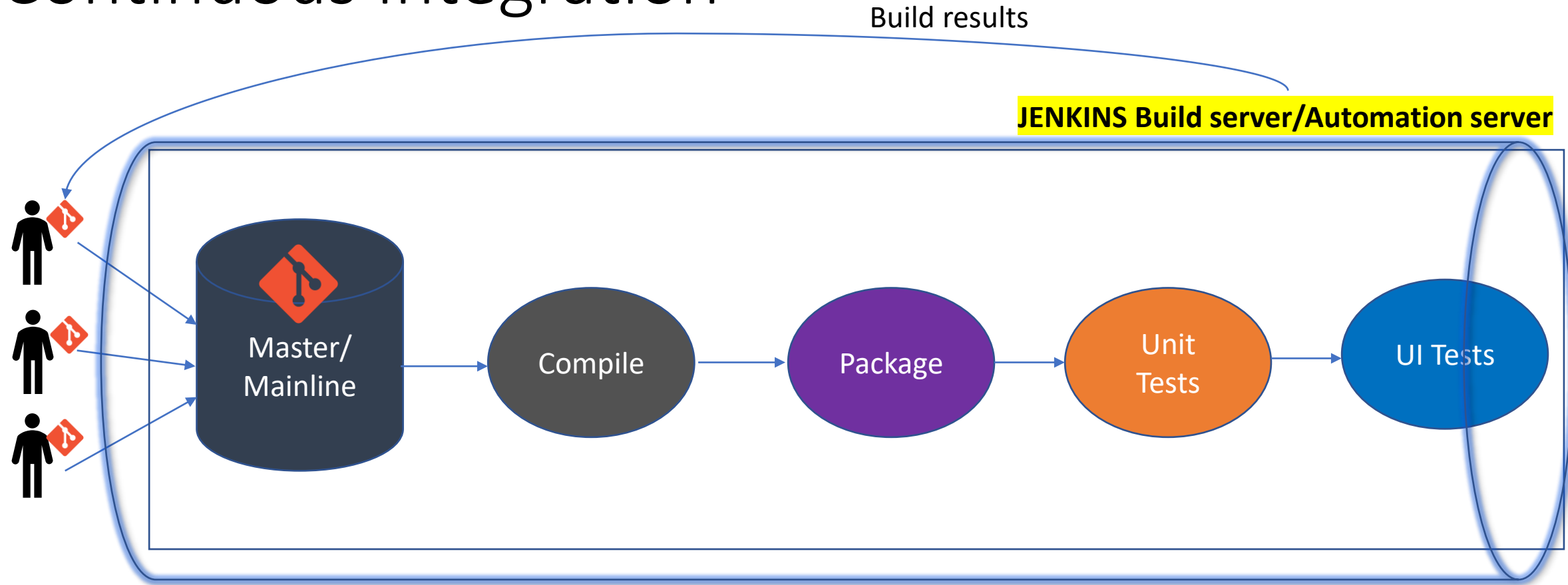
# Pipeline?

- Madata kaja preparation



10 Kajalu – 60 minutes/1 hour

# Continuous Integration

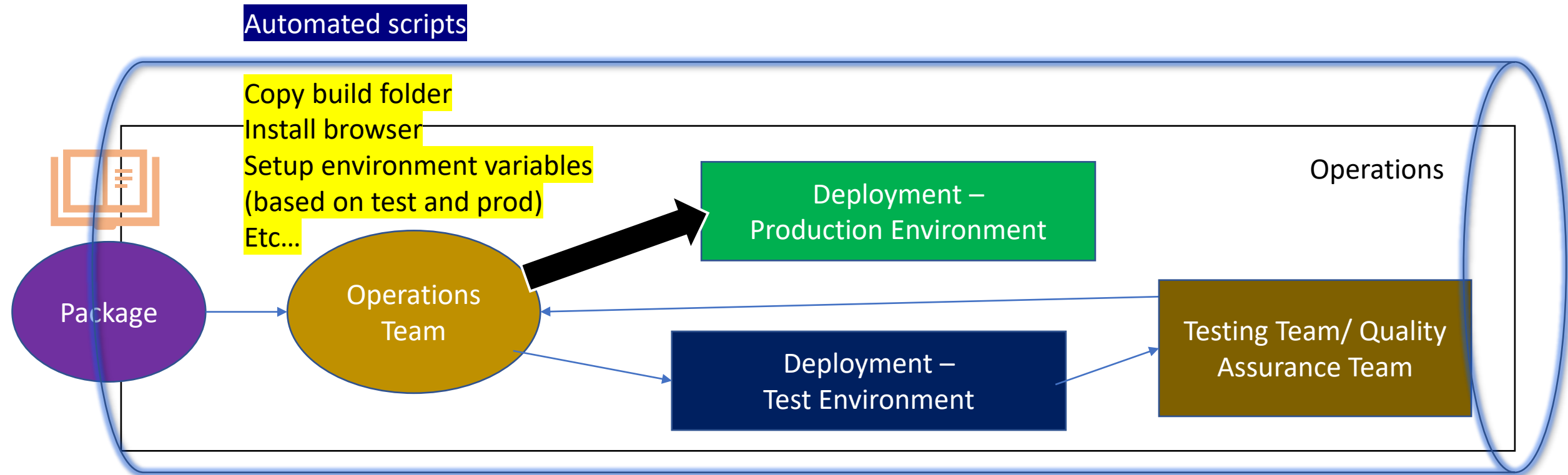


# Continuous delivery

- It is a software development practice where software can be released to production at any time



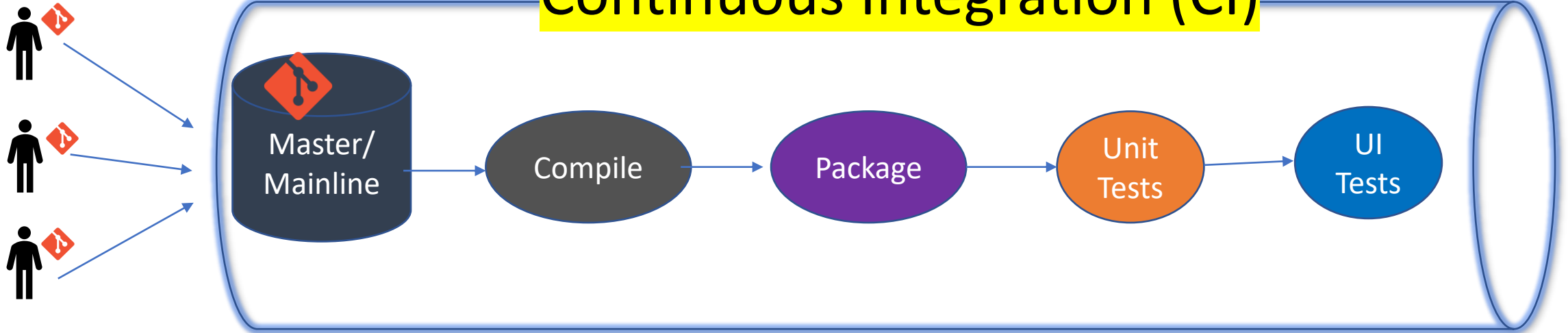
# Operations team



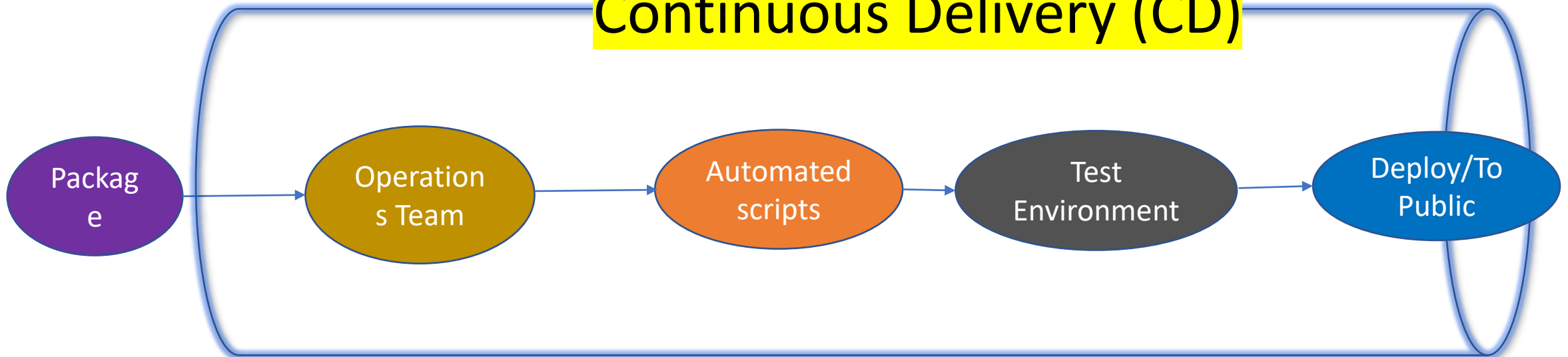
## Continuous Delivery

Selenium/Cypress/Appium etc

## Continuous Integration (CI)



## Continuous Delivery (CD)



CI/CD

# CI/CD

- Few people call it as Continuous integration & Continuous deployment?
- What is continuous deployment?
- **It is a software development practice where software is automatically released to production continuously**
- **Very few companies follow continuous deployment because of the risks**

# What is DevOps? - wiki

- DevOps is a set of practices that combines software development(Dev) and IT operations(Ops) team to automate the project.
- It aims to shorten the systems development life cycle and provide continuous delivery with high software quality.
- There will only be a single team instead of both development and operations. Single team will take care of both.

# Who should learn DevOps?

- Experienced who wants to take care of entire application life cycle.
- Not for freshers

# DevOps Job Description

- Expertise in all common AWS Cloud services like EC2, ECS, S3, ELB, VPC.
- Experience and hands-on knowledge of Dockers is must
- Excellent problem solving and debugging skills
- Experience in cloud automation using tools such as Ansible & Terraform.
- Expertise in object-oriented programming languages and coding skills in any language preferably Python
- Proven comfort with web servers such as Apache, NGINX etc
- Expertise with build automation tools – Jenkins, Maven, makefile
- Administration level working expertise of source code control management systems and configuration management (i.e. Git, TFS, Artifactory etc.) and code branching/merging strategies.

# Common DevOps Interview questions

# What is DevOps?

- It stands for development and operations. It is a set of practices that combines software development(Dev) and IT operations(Ops) team to automate the project.



# What are some common tools used in DevOps?

- **Git** – Source code manager(version control)
- **Jenkins** – Continuous integration/Build server
- **Selenium** – Testing
- **Puppet, Chef, Ansible** - Configuration management & Deployment
- **Docker, Kubernetes** – Containerization

# What is Continuous Integration?

- Practice that requires developers to integrate code into a shared repository several times a day/as and when they are done working on their module.

# Difference between Continuous Delivery and Continuous Deployment?

- Manual intervention is required in continuous delivery whereas everything is automated in continuous deployment.

# What next?

- Soon we will cover all the topics with good examples
- But it will take time as I am trying to make it more clear by reaching out to my friends who are working in DevOps
- Meanwhile, I will be helping freshers



# PYTHON

చిన్న ప్రో  
చిట్టికలో వచ్చేస్తా

#sureshtechs