

# AUTOMATION TEST WITH KATALON



# OUR TEAM



1. Lâm Tâm Như
2. Phan Thiều Ngọc
3. Đặng Minh Tiến
4. Đào Hữu Đức
5. Nguyễn Ngọc Phương
6. Mai Phước Sự

# OUTLINE

01

## INTRODUCTION

Introduce about  
Automation test and Katalon

02

## TEST CASE

Introduce about Web  
Application Testing

03

## KATALON STUDIO

How to create and execute  
automated tests with Katalon Studio

04

## [WEBUI] TAKE SCREENSHOT

Report with screenshot  
feature

05

## CI/CD

Integrate in CI/CD

06

## CONCLUSION

Summary about Automation  
test and Katalon

# Katalon

01

## What is Katalon?

Katalon is an automation testing software tool

02

## Developed by

KMS Technology

03

## Technologies

Based on Selenium and Appium

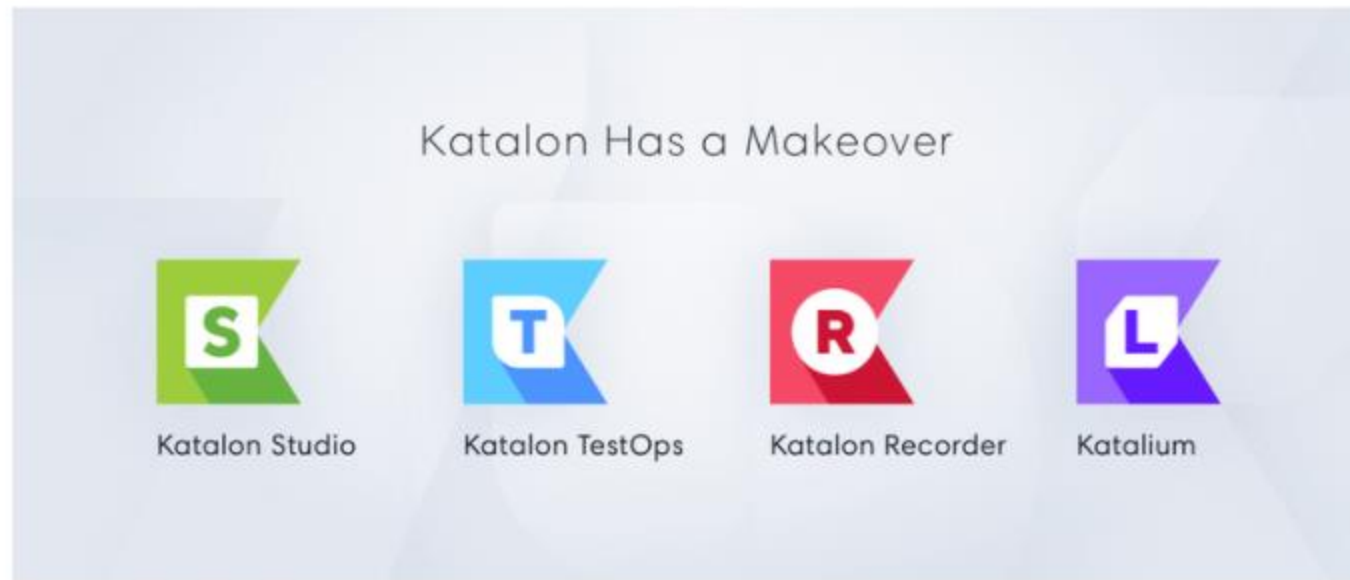
04

## Supported technologies

- Support for testing Web, API, Mobile, Desktop App.
- Support for most OS now.



# Relevant products



# What are the features of Katalon?



- Write test cases quickly and simply, support Manual and Scripting modes.
- Support Codeless.
- Support Data-Driven Testing.
- Support run from the command line, CI/CD integration.
- Built-in keywords available for Web, API, mobile, desktop application

# Web Application for Testing

<http://fptbookstore.slimair.cool/>

Scan here



# Demo Katalon: Screenshot

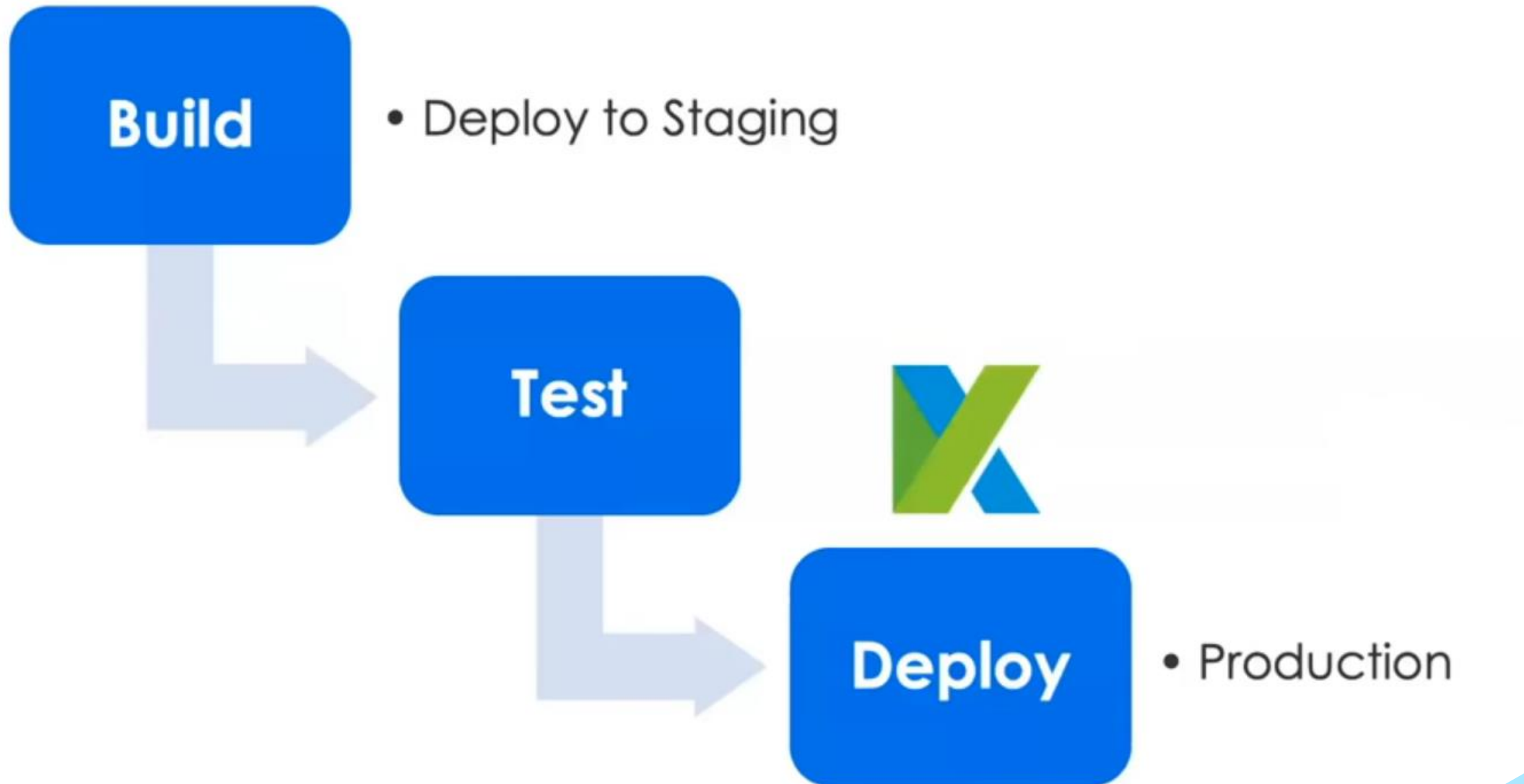




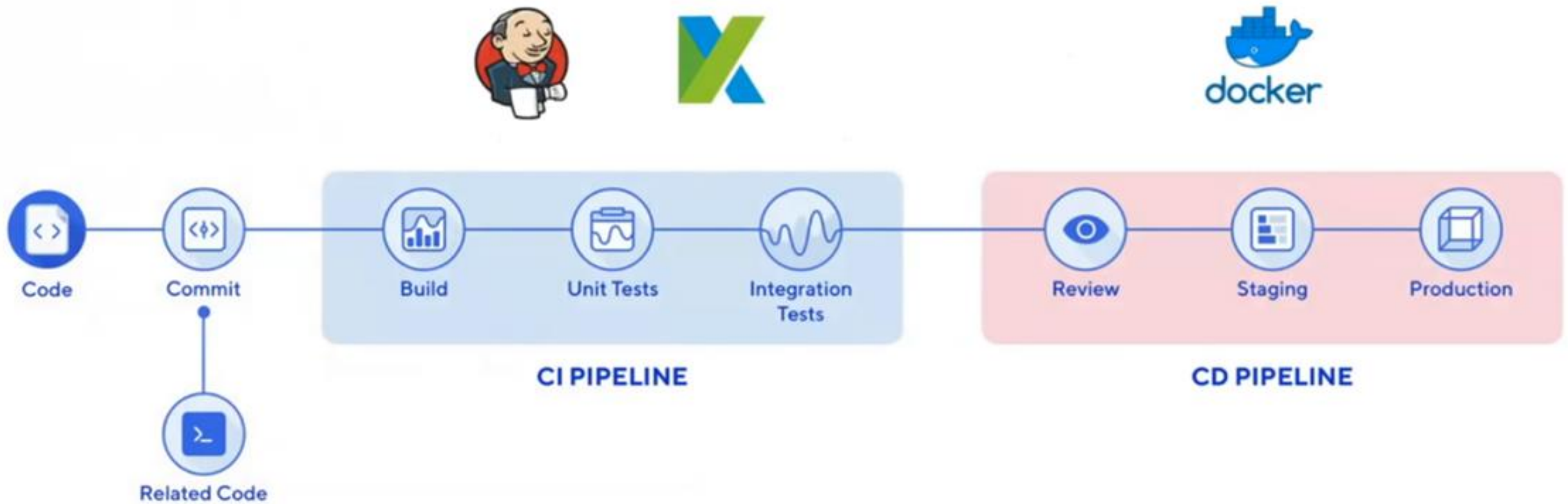
- Presently we are in the age of DevOps, that integrates every step of the life-cycle of software development, bringing all the operations together, collaboratively, without any organizational silos.
- Automation thrives on a CI/CD pipeline, which justifies the quick deliveries and feedback loops. However, test automation and continuous testing (CT) are critical to achieving truly effective CI/CD.
- Although Continuous Integration and Continuous Delivery are essential for product releases to be accelerated, ***Continuous Testing is what brings in quality to these accelerated releases.***

# Why Test Automation in CI/CD

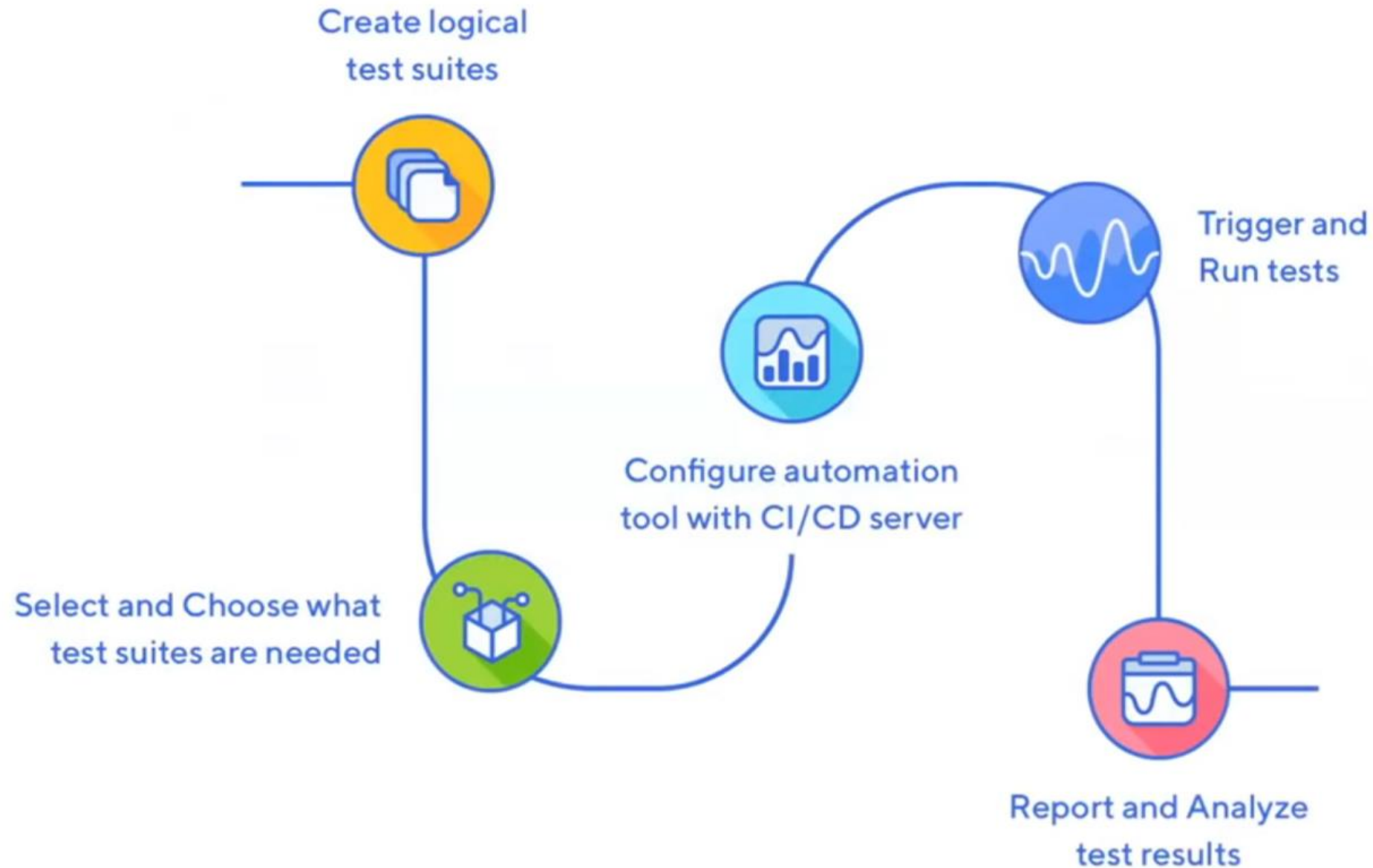
# Katalon Role in CI/CD



# CI/CD Pipeline



# Automation Setup



# Four Steps To Start:

1. **Download & Start Jenkins** <https://www.jenkins.io/download/>
2. **Create a job in Jenkins**
3. **Add Katalon Studio Commands**
4. **Run & Test**

# Demo Integrate in CI/CD

# What is the outstanding of Katalon?



# Advantages of Katalon

- Ease of deployment
- Wider set of integration
- Dual scripting interfaces for users with different programming skills
- Intuitive analytics dashboard and reports
- Supports several types of testing
- User-friendly GUI



# Conclusion

Katalon is automation testing software tool

- Katalon TestOps
- Katalon Recorder
- Katalium
- Katalon Studio

Take screenshot for automation testing & analytic report



Integration:  
CI / CD with Jenkins



**THANKS FOR LISTENING**

Q & A?