

POC  
on

Katalon Studio

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# Agenda

- Katalon Studio Introduction
- Katalon Studio Products
- Katalon Studio Features
- Comparison with Selenium
- Pros and Cons
- Demonstration

# Katalon Studio

- Katalon Studio is one of the recognized tools for automated testing.
- Katalon studio tool is Robust, Intelligent and scalable automation tool.
- Full package of powerfull features.

# Katalon Studio Products

- Katalon Studio
- Katalon RunTime Engine
- Katalon TestOps
- Katalon Recorder
- Katalium
- Katalon store

# Katalon Studio Features

- Testing Environments
  - Windows, MacOS, Linux
- Applications under Test
  - Web testing
  - Mobile testing
  - API testing
  - Desktop application testing
  - Data-driven testing
  - BDD testing

# Katalon Studio Features

- Supported Browsers
  - Google Chrome, Firefox, Microsoft Edge, Safari, Headless.
- Scripting Language
  - Groovy
- Object Storage and Maintenance
  - Page Object Model
- Continuous Integration
  - Jenkins, JIRA.

# Katalon Studio VS. Selenium

Feature	Selenium	Katalon Studio
Initial Release	2004	2015
Products	Selenium init, Selenium RC, Selenium Web Driver, Selenium Grid	Katalon Studio, Katalon RunTime Engine, Katalium
Supported Language	Java, Ruby, C#, PhP, Python, Perl	Groovy(Java)
Price	Free	Free Trail(30 days) and Paid Versions
Browser Support	All	All
Integration Options	CI/CD integration with Jenkins and other tools	CI/CD integration with Jenkins and other tools

# Katalon Studio PROS

- Supports several types of testing:
  - Keywords-driven.
  - Data-driven
  - API-testing
  - Cross-browser
- User-friendly GUI
- Inbuilt analytics dashboard and reports
- Mild learning curve + learning materials



# Katalon Studio CONS

- Not open source
- Lack of scripting languages
- Small community

# Katalon Studio Demonstration

- Installation
- Test Case Creation
- Test Case Execution
- Logs and Reports
- Global Variables
- Data Driven Testing
- Listeners
- Handling Alerts and pop-ups
- REST API Testing
- BDD Framework