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1.1 What Is Katalon?

Katalon Studio is a unified, Groovy-based test automation solution designed to simplify and accelerate quality assurance across Web, API, Mobile, and Desktop applications. It combines an intuitive IDE with a powerful test engine, allowing teams to start with low-code record-and-playback workflows and seamlessly transition to script-driven development as projects mature.

1.2 Key Features

- **All-in-One Test Automation** Supports Web, API, Mobile, and Desktop application testing within a single platform.
- **Low-Code / No-Code Test Authoring** Offers built-in recording, drag-and-drop test construction, and script view for advanced customization.
- **Data-Driven Testing** Allows parameterization of test cases with external data sources (Excel, CSV, databases, etc.).
- **Built-in Object Repository** Centralized storage for UI elements, reusable across multiple test cases.
- **Custom Keywords Support** Enables extension of framework functionality by writing custom Groovy/Java methods.
- **Smart Wait & Failure Handling** Built-in mechanisms to handle dynamic waits and customizable failure responses.
- **CI/CD Integration Ready** Compatible with Azure DevOps, Jenkins, GitLab CI, and more through command-line execution or plugins.
- **Cross-Platform Support** Runs on Windows, macOS, and Linux environments; supports major browsers and mobile platforms.

1.3 Downloadables

- Katalon Studio Official Website - <https://katalon.com> (<https://katalon.com>). Access all Katalon product offerings, documentation, and release updates.
- Download Katalon Studio - <https://www.katalon.com/download> (<https://www.katalon.com/download>). Download the latest version of Katalon Studio for Windows, macOS, or Linux.

- Katalon Studio Command Line Engine (KRE) - <https://docs.katalon.com/docs/execute/command-line-interface/overview> (<https://docs.katalon.com/docs/execute/command-line-interface/overview>), Use Katalon Runtime Engine (KRE) for CI/CD integrations and headless test execution.
- Katalon Plugins Marketplace - <https://store.katalon.com> (<https://store.katalon.com>) Browse and install plugins for reporting, integration, and keyword extensions.