**Katalon Feature List**

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| Tools | Feature | Description | Supported in Version |
| KATALON STUDIO | **Keyword-driven Testing** | Support keyword-driven testing methodology with the following:   * Provide built-in keyword-driven test editor that consists of keyword operations corresponding to automated testing actions. * Also provide a Scripting editor to implement custom keywords per project needs. | 3.0.1.119 |
| **Keyword Scripting Mode** | Support users with very little programming expertise to design automated test cases by manually selecting keywords from a list of available options. | 3.0.1.119 |
| **Programming Scripting Mode** | Support users with programming expertise to design test case by writing code like developers. The test cases can be written in the following languages:   * Groovy * Java | 3.0.1.119 |
| **Custom Keyword** | Support users to implement their own keywords that are specific for their project’s needs. | 3.0.1.119 |
| **Record & Playback** | Support recording user actions performed on the application under test (AUT) so to automatically generate the scripts that can be played back later.   * For web application: support to record on one browser and play the script back on other browsers. * For desktop app | For web app, supported in 3.0.1.119.  For desktop app, would be supported in the future. |
| **Element Abstraction & Reuse** | Support test object with the following:   * Provide object-spying function to record object elements automatically, store and re-use across the project team. * Provide the user an ability to define test object and its properties manually for specific purposes. The manual created objects are also able to be re-used across the project team. | 3.0.1.119 |
| **Data-driven Testing** | Support to execute automated test cases/suites with data from the following sources:   * Internal data: i.e., the test data is defined internally in the test cases/suites. * External data: support using test data defined in Excel, CSV file. | 3.0.1.119 |
| **Cross-platform Testing** | For web application testing, support testing on the following browsers:   * Internet Explorer * Firefox * Chrome * Safari   For desktop application testing, support testing those desktop apps running on the following operating systems:   * Windows * MacOS * Linux | For web app, supported in 3.0.1.119.  For desktop app, would be supported in the future. |
| **Real-time Logging** | Support real-time logging while the automated test cases/suites are being executed. The execution of every test step is logged. This will help the user to diagnose the problem in case any issue has occurred. | 3.0.1.119 |
| **Test Suite Report** | Support generating test execution log report once any test suite finishes its execution. | 3.0.1.119 |
| **Email Reporting** | Support sending test execution log report to those registered emails. | 3.0.1.119 |
| **Selenium Scripting Compatibility** | Support ability to make the scripts generated by Katalon executable outside Katalon. That is, a test project which is exported from Katalon Studio can later be imported into Eclipse IDE containing Groovy plugin and executed there. Moreover, the above exported project can also be executed via command line interface. | 3.0.1.119 |
| **Web Application Testing** | Support testing any web applications no matter what they are developed in. | 3.0.1.119 |
| **Web Service Testing** | Support doing automated test web services. The following types of web services are currently supported in Katalon:   * SOAP * RESTful | 3.0.1.119 |
| **Mobile Application Testing** | Support doing automated test mobile applications using Appium framework:   * Currently support testing on mobile native applications in iOS, Android. * On-going support testing on mobile web and hybrid applications. | For mobile native app, supported in 3.0.1.119.  For mobile web and hybrid app, would be supported in the future. |
| **Desktop Application Testing** | Support doing automated test desktop applications which are developed using the following technologies:   * Java * .Net | Would be supported in the future. |
| **Test Management System Integration** | Support integration with external test management systems, such as:   * [qTest](http://www.qasymphony.com/) * Upload test cases/suites from test project in Katalon Studio to qTest * Upload test execution results once any test suite finishes its execution * Download test cases/suites from qTest to test project in Katalon Studio * Plan to integrate with the execution scheduling service of qTest to schedule the automated test execution. * HP QC | For integrating with qTest, supported in 3.0.1.119.  For integrating with HP QC, would be supported in the future. |
| **Source Control Integration** | Enable the user to access source control services within Katalon Studio. The source control services which are supported are as below:   * SVN * Git * TFS * Mercurial | Would be supported in the future. |
| **Real-time Team Collaboration** | Support broadcasting real-time activity logs, IMs to all project team members. The activities which are captured for broadcasting are as below:   * Open a project * Close a project * Create * Update * Delete   The team collaboration systems which are currently supported are as following:   * Slack | 3.0.1.119 |
| KATALON AGENT | **Execution Mode** | * Local execution. * Distributed execution and load balancing. | Would be supported in the future. |
| **Execution Engine** | The test execution engine that allows the automated test cases/suites to be executed outside Katalon Studio.   * Currently embedded within Katalon Studio * Plan to provide it as a standalone application | Would be supported in the future. |
| **Real-time Logging** | Support real-time logging while the automated test cases/suites are being executed. The execution of every test step is logged. This will help the user to diagnose the problem in case any issue has occurred. | Would be supported in the future. |
| **Test Suite Report** | Support generating test execution log report once any test suite finishes its execution. | Would be supported in the future. |
| **CI Integration** | Provide the list of APIs so that other CI frameworks can invoke Katalon’s services via command line interface. | Would be supported in the future. |
| KATALON PLUGIN | **Keyword Library** | Provide those “advanced” plugins containing pre-built keywords for the following categories:   * Automation Functions * Environment Functions * Client\AUT specific functions | Would be supported in the future. |
| **Plugin Store** | Takes the form of an online store, where the users can browse through different plugin categories, view information about each plugin (such as reviews or ratings), and acquire the plugin (including plugin purchase if the plugin is provided with some cost). Moreover, it also allows the user from the community to contribute to this online store by submitting and sharing prospective plugins. It is required that the submission of prospective plugin goes through an approval process. And the owner of prospective plugin can choose to share it either with or without cost. | Would be supported in the future. |
| KATALON OPERATION MANAGEMENT | **Scheduled and Distributed Executions** | Allow the user to schedule executing several automated tests across separate workstations or virtual machines. | Would be supported in the future. |
| **Test Management System** | Provide a “one stop shop” automated testing solution for the client. | Would be supported in the future. |
| **Bug Tracking Integration** | Support the user to submit bugs directly to a 3rd party bug tracking system. The list of supported Bug Tracking Systems are as following:   * Jira | Would be supported in the future. |
| **CI Integration** | Provide API so that other CI frameworks can invoke Katalon’s services via command line interface. | Would be supported in the future. |
| NON-FUNCTIONAL | **Role-centric Design** | Functionalities and GUI accessibilities are based on user roles. The following user roles are supported in Katalon:   * Scripting Engineer * Testing Executor * Manager | Would be supported in the future. |
| **Multiple Document Interfaces** | Support using Eclipse RCP. This allows the user to have access to the detailed view of different entities/objects “at the same time” instead of having to close the detailed view of one object in order to be able to open the detailed view of another object. Each detailed view is displayed inside a separate tab. | 3.0.1.119 |
| **Test Artifact Storage** | The entire test project in Katalon Studio is stored as files/folders using file system. | 3.0.1.119 |
| **Working Environment** | Katalon can be installed and run on different platforms:   * Windows * Linux * Mac | 3.0.1.119 |