

Katalon Studio

Installation and Test Execution Guide



September 30, 2022

# Installation

## Windows

1. For new users, create account in [Katalon TestOps](https://testops.katalon.io/).
2. On the left side of the navigation bar, click on the **Download** button.

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1. Select and download the suitable version of Katalon Studio for your system

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1. After downloading the .zip file, extract it to a folder.
2. To start Katalon Studio, double-click on the katalon.exe file.

## Node.js

Unlike Web application testing, to test a mobile app, you need to install Node.js and Appium in addition to Katalon Studio.

1. Download and install Node.js using the **Windows Installer [**<https://nodejs.org/en/download>**]**
2. When installing Node.js, make sure that the **Add to PATH** option is checked.
3. Verify if Node.js is installed correctly. Open Windows command line and type the command: **where node** to see if the system can find Node.js.

## Appium

1. Open **Command Prompt** of Windows and input following command to install Appium:

**npm install -g appium**

1. Open Katalon Studio and go to the **Windows > Katalon Studio Preferences > Katalon > Mobile** settings. Set **Appium Directory** to the installed folder. By default, it’s usually installed at *C:\Users\{your login account}\AppData\Roaming\npm\node\_modules\appium.*

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## MongoDB

1. Download the MongoDB jar file. 
2. Unzip and install.

# Executing Test

## Connecting USB devices

1. Turn on the phone developer mode (go to **Settings**-> **Developer options**).
2. Connect your Android device to the computer using USB cable. Just confirm if prompted for accepting/trusting the phone.
3. Check whether the device is ready for automation by using ADB: Open command prompt, type command “**adb devices**” (without quotes). System should display a list of devices which have been connected. If this command is not recognized, then download and install the **adb** driver.

## Configuration before executing test

In real life situation, when the projects will be integrated with CI/CD and browser stack, the tests will be executed automatically without any manual intervention. But, if the project is setup locally, the below configuration needs to change with regards to the environment we want the test to run and on which platform.

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On Profile execution:

* Change the ApplicationOS to indicate on which platform the test needs to be executed, Android or iOS
* Change the db to indicated on which environment the test will be executed, pprd or dev

## Selecting device for test execution

1. Once the device is connected via USD, click on the arrow and select Android

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\*Note that test can be run from a feature file, a test case or a test suite. Only running tests from test suite generates exportable reports.

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1. Select the device listed and click on OK. The test will start executing.