

# Getting Started with Visual-AI

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## Abstract

Everyone wants to make quick releases, but the look-and-feel UX validation is a manual, slow, and error-prone activity. It quickly becomes a huge bottleneck in the process. Any UX-related issues propping up cause huge brand-value and revenue loss, may lead to social-trolling, and, even worse, dilute your user base.

This is an area where AI & ML can help.

In this hands-on workshop, using examples, we will explore:

- Importance of Automated Visual Validation
- How an AI-powered tool, AppliTools Visual AI, can solve this problem.
- Integrate AppliTools Visual AI in your Selenium-Java automation and learn by practice:
  - The different AI algorithms
  - Various AppliTools capabilities and features
  - Scale your automation using the AppliTools Ultrafast Grid

The workshop will be a combination of presentation and hands-on activity to learn about Visual Testing using AppliTools Visual AI.

## Learning Outcomes:

- Understand the importance of Visual Testing
- Learn different techniques to include Visual Testing part of your Testing Strategy
- Know various options for automating Visual Testing
- Learn how to integrate Visual AI in your Functional Automation to automate Visual Testing

## Prerequisites:

- Signup for a free AppliTools account from here: <https://bit.ly/AplliToolsSignup>
- Save the API key received by email as an environment variable: `APPLITOOLS_API_KEY`, or update it manually in the test framework

## Machine setup instructions:

Follow these steps for setting up your machine:

1. Install JDK 1.8 or JDK 11
2. Based on the browser of your choice, download the corresponding browser driver for WebDriver

3. Clone this git repo (<https://github.com/anandbagmar/getting-started-with-visualtesting>) on your laptop
4. Open the cloned project in your IDE as a Maven project. This will automatically download all the dependencies
5. Once all dependencies are downloaded, run the following command from command prompt/terminal window:
  - o `mvn clean test -Dtest=HelloWorldTest`

## Connectivity check

Instructions for Linux / OSX OS:

Ensure you have connectivity to Applitools by running the following command in your terminal window:

- `curl -I https://eyes.applitools.com`
- `curl -I https://eyesapi.applitools.com`

If you get an error in the console / terminal window with message such as FORBIDDEN / ACCESS DENIED / PROXY ERROR / etc., then you should try the same commands by providing the proxy details:

NOTE: Based on your network configuration, the --U parameter may need to be specified

- `curl -I -p <proxyUrl> -U <user:password> https://eyes.applitools.com`
- `curl -I -p <proxyUrl> -U <user:password> https://eyesapi.applitools.com`

Instructions for Windows OS:

Run the following commands in PowerShell window and note the response status code:

- `curl -Method GET https://eyes.applitools.com`
- `curl -Method GET https://eyesapi.applitools.com`

If you get an error in the console / terminal window with message such as FORBIDDEN / ACCESS DENIED / PROXY ERROR / etc., then you should try the same commands by providing the proxy details:

NOTE: Based on your network configuration, the -ProxyCredential parameter may need to be specified

- `curl -Method GET -Proxy <proxyUrl> -ProxyCredential <proxyCredential> https://eyes.applitools.com`
- `curl -Method GET -Proxy <proxyUrl> -ProxyCredential <proxyCredential> https://eyesapi.applitools.com`