



## **Devonfw Testing**

2018-01-29

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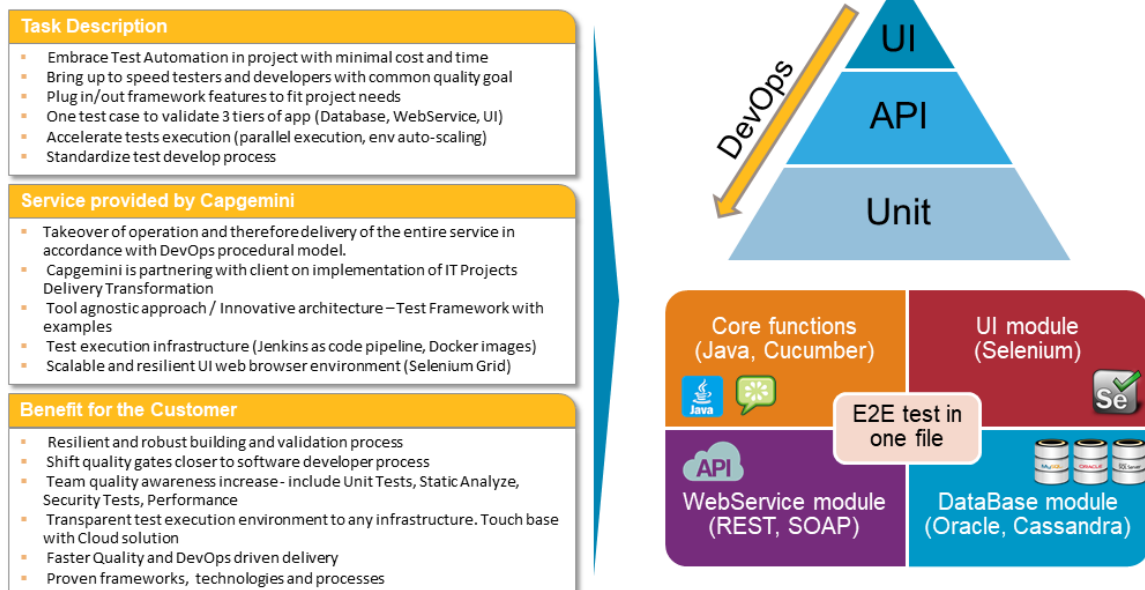
# 1. Basics

## 1.1 Home

### 1.1.1 What is E2E Allure Test Framework

End to end automation test framework written in Java.

## E2E Test Framework for DevOps & Smart Automation



## E2E Test Framework modules



\* - task not started, to be defined

### 1.1.2 Benefits to the project

#### Benefits to project

End to end project verification under one solution

Resilient and robust DevOps driven delivery

Team quality awareness

Shift left quality gates

Easy to enhance

## 1.1.3 Road map plan

### Allure E2E Framework road map



## 1.1.4 Wiki Structure:

- [How to install Allure Test Framework](#)
- Allure Test Framework modules:
  - [Core test module](#)
  - [Selenium test module](#)
  - [WebAPI test module](#)
  - [Security test module](#)
  - [DataBase test module](#)
  - [Mobile test module](#)
  - [Standalone test module](#)
  - [DevOps module](#)

## 1.2 How to install

### 1.2.1 Install can be done in two scenarios:

- Out of the box install - Fast and easy

- Advanced installation - How to install all ingredients

## Easy out of the box install

### 1. Java 1.8 JDK 64bit

- Download and install [Java download link](#)

### Java SE Development Kit 8u131

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Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.87 MB	<a href="#">jdk-8u131-linux-arm32-vfp-hflt.tar.gz</a>
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Solaris SPARC 64-bit	139.79 MB	<a href="#">jdk-8u131-solaris-sparcv9.tar.Z</a>
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Windows x86	191.22 MB	<a href="#">jdk-8u131-windows-i586.exe</a>
Windows x64	198.03 MB	<a href="#">jdk-8u131-windows-x64.exe</a>

- Windows Local Environment [how to set](#):
  - **Variable name:** JAVA\_HOME | **Variable value:** c:\Where\_You've\_Installed\_Java
  - **Variable name:** PATH | **Variable value:** %JAVA\_HOME%\bin;%JAVA\_HOME%\lib



- Verify in command line:

```
> java --version
```

2. Download package [Ready to use AllureTestEnvironment](#)
3. To folder C:\ unzip with [7z](#) downloaded Allure Test Framework

**Note:** Please double check, place where you have unzipped Allure\_Test\_Framework



4. In unzipped folder (C:\Allure\_Test\_Framework\workspace) run *start-eclipse.bat*
5. . Update project structure (*ALT + F5*)



### Manual step by step install

1. Java 1.8 JDK 64bit
  - Download and install [Java download link](#)



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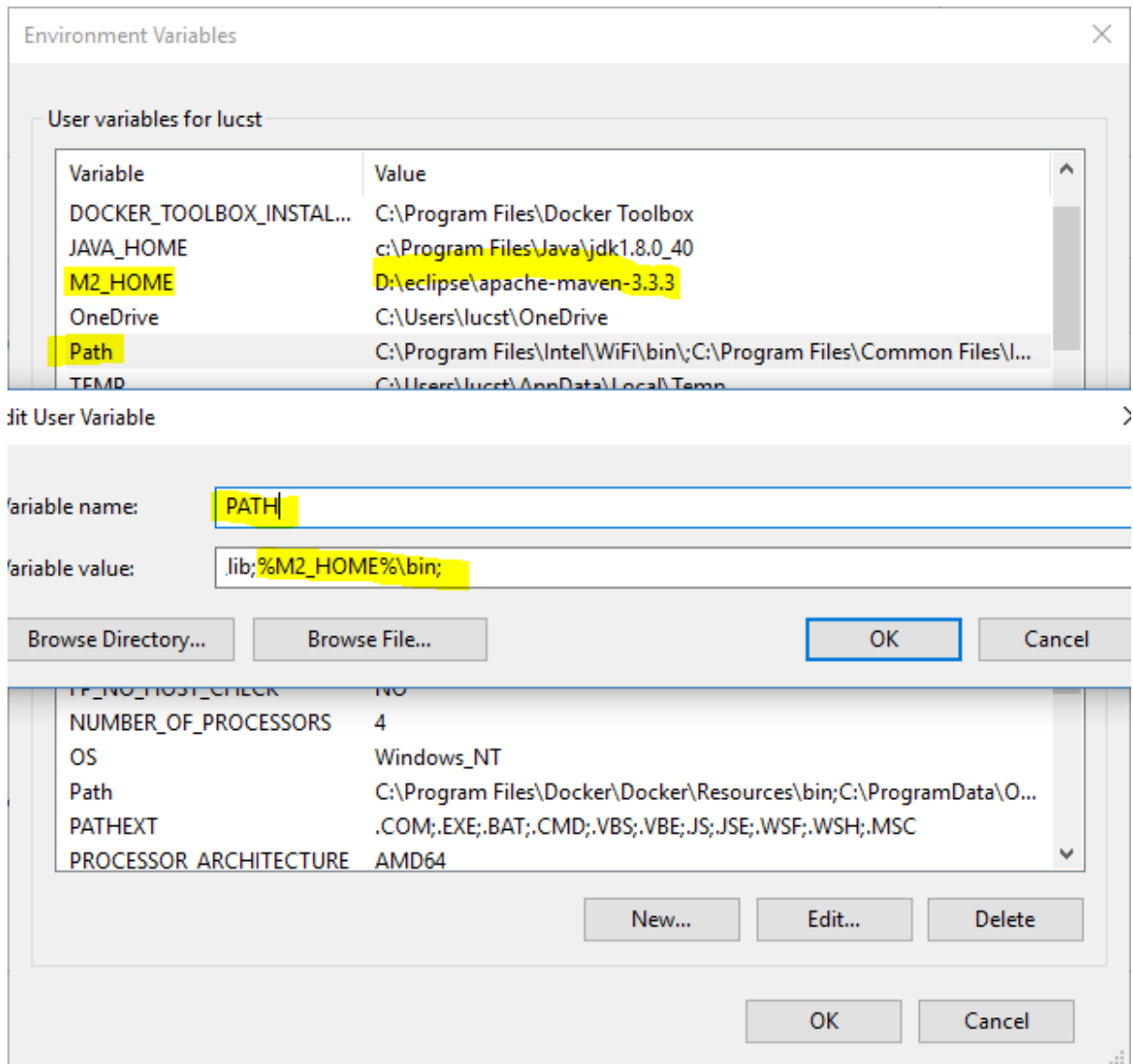


- Verify in command line:

```
> java --version
```

## 2. Maven 3.5

- Download Maven <http://www-eu.apache.org/dist/maven/maven-3/3.5.0/binaries/apache-maven-3.5.0-bin.zip>
- Unzip, to C:\maven
- Windows Local Environment
  - **Variable name:** M2\_HOME | **Variable value:** c:\maven
  - **Variable name:** PATH | **Variable value:** %M2\_HOME%\bin



- Verify in command line:

```
> mvn --version
```

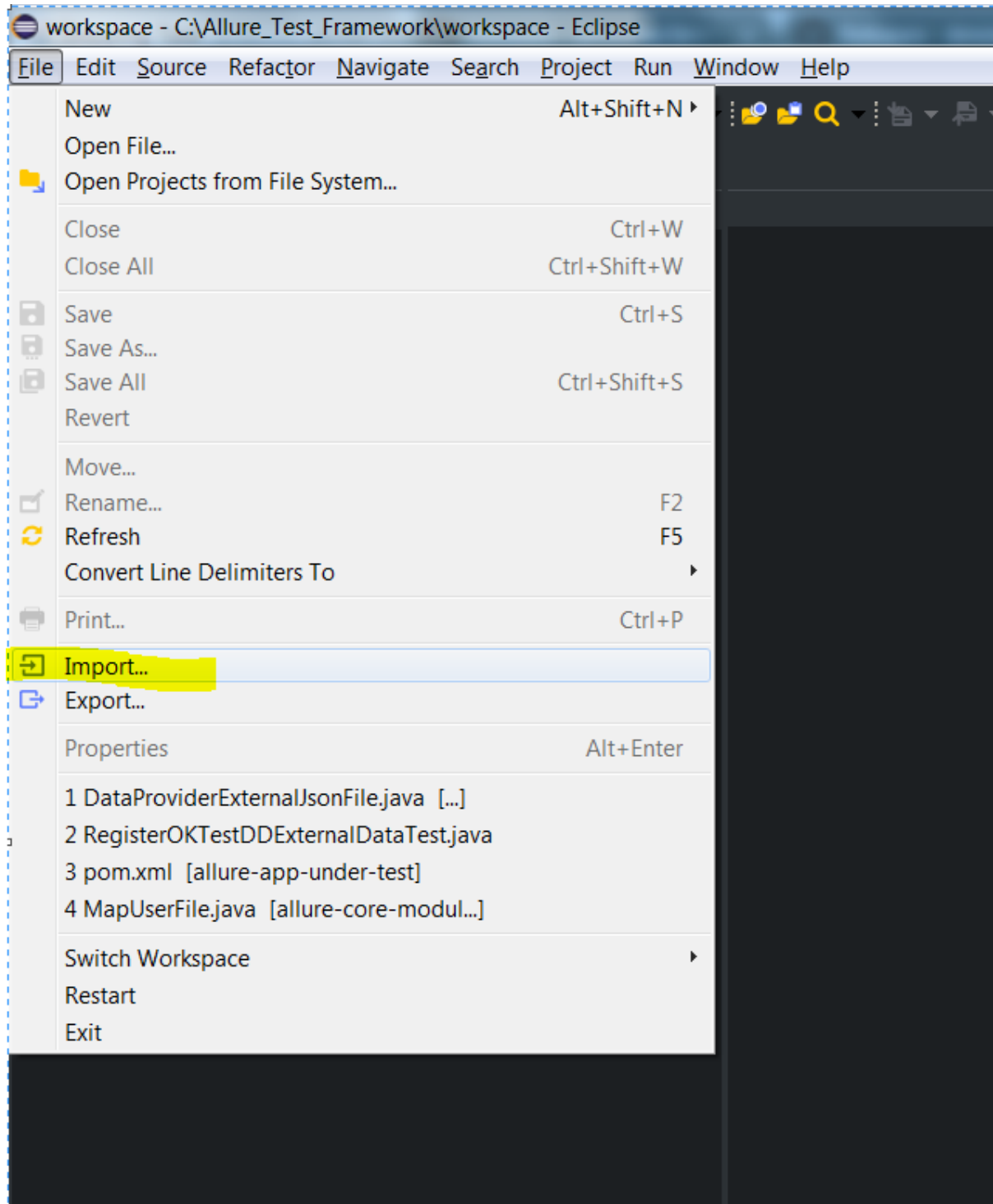
### 3. Eclipse IDE

- Download and unzip [Eclipse](#)

### 4. Download Allure Test Framework [source code](#)

### 5. Import projects in Eclipse

- Import:



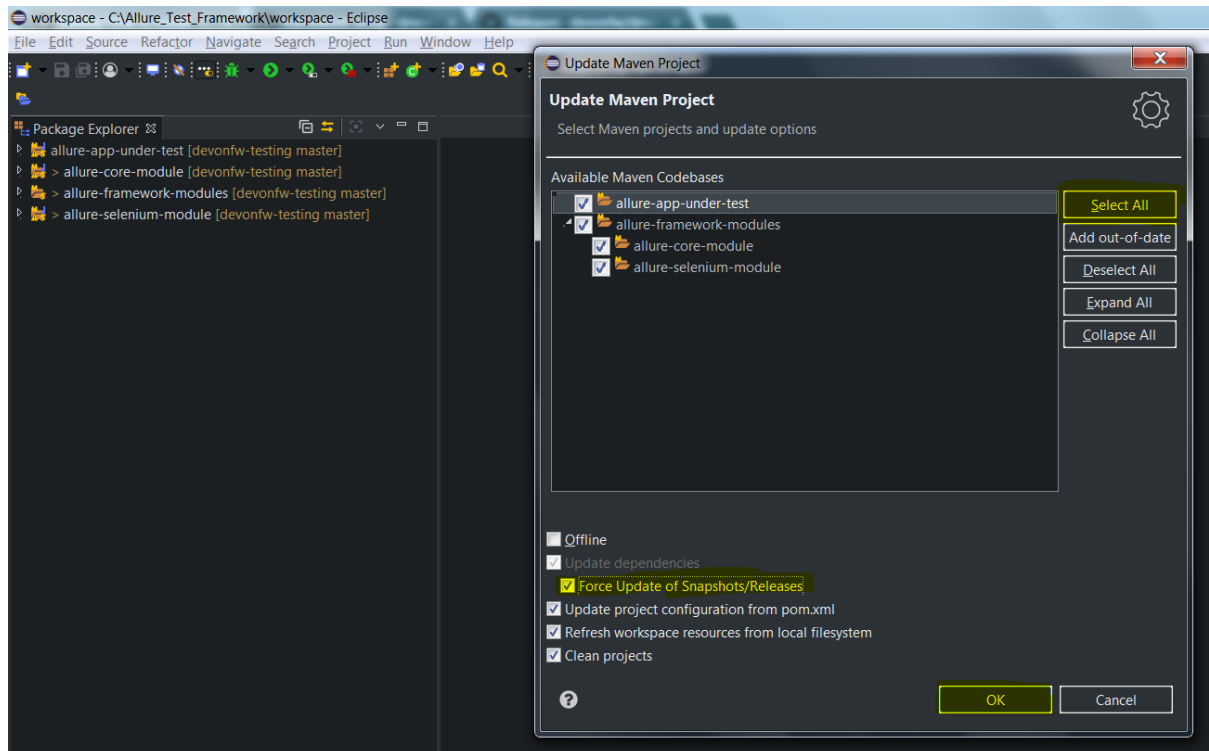
- Projects from folders:



- Open already created projects



- Update project structure - *ALT + F5*

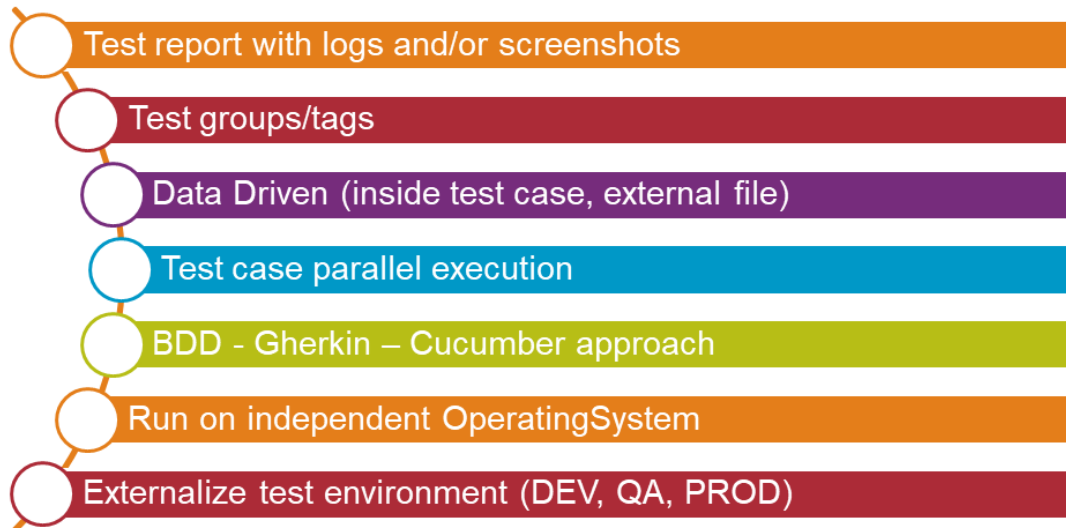


## 1.2.2 Modules

## 1.3 Core Test Module

### 1.3.1 What is Core Test Module

#### Core functionality ingredients



### 1.3.2 Core Test Module Functions

- [Test reports with logs and/or screenshots](#)
- [Test groups/tags](#)
- [Data driven approach](#)
- [Test case parallel execution](#)
- BDD - Gherkin - Cucumber approach
- [Run on independent Operating Systems](#)
- [Externalize test environment \(DEV, QA, SIT, PROD\)](#)

[[core-test-module\_how-to-start?]] == How to start? Read: [Framework Test Class](#)

#### Building Basic Test

Unresolved directive in DevonfwTesting.asciidoc - include::framework-test-class.asciidoc[]