

# SERENITY BDD con CUCUMBER

## 1

### Primeros Pasos

(Tiempo ejecución 3 horas)

Antes de iniciar con el proceso de creación de pruebas automatizadas bajo el marco BDD, es necesario verificar que se cuente con las herramientas instaladas adecuadamente, adicional se ha construido un proyecto base el cual servirá de modelo para la creación de los talleres de capacitación.

A continuación relaciono las herramientas que debe tener instaladas y algunas configuraciones básicas, además del procedimiento de descarga del proyecto base.

**Eclipse Oxigen o Neon**

**JAVA 1.8 y JDK**

Instalación

Configurar variables de Entorno

**Maven**

Instalación

Configurar variables de Entorno

**Cucumber**

**Importar Proyecto Base**

**Build Path JREs**



**ECLIPSE OXIGEN o NEON**

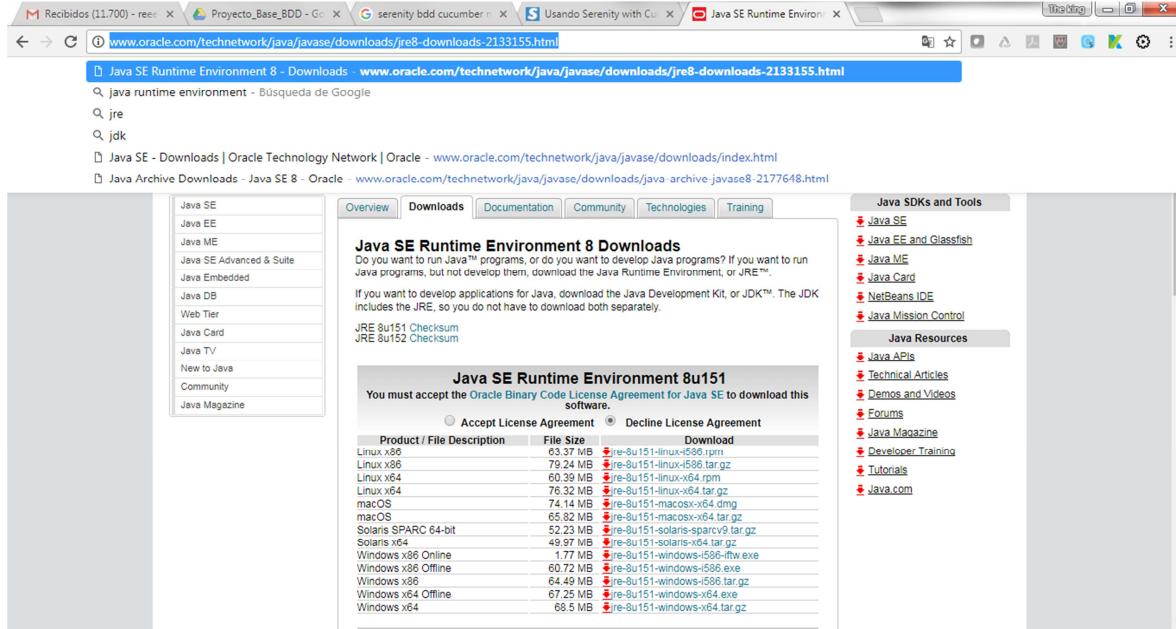
Verifique la versión de Eclipse que tenga instalada, si aún no la ha instalado descarguela de la siguiente página : <http://www.eclipse.org/downloads/eclipse-packages/>



**JAVA**

Verifique la versión de Java que tenga instalada, se recomienda la versión 1.8, si no la tiene descarguela de la pagina de Oracle:

<http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>



**Java SE Runtime Environment 8 Downloads**

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

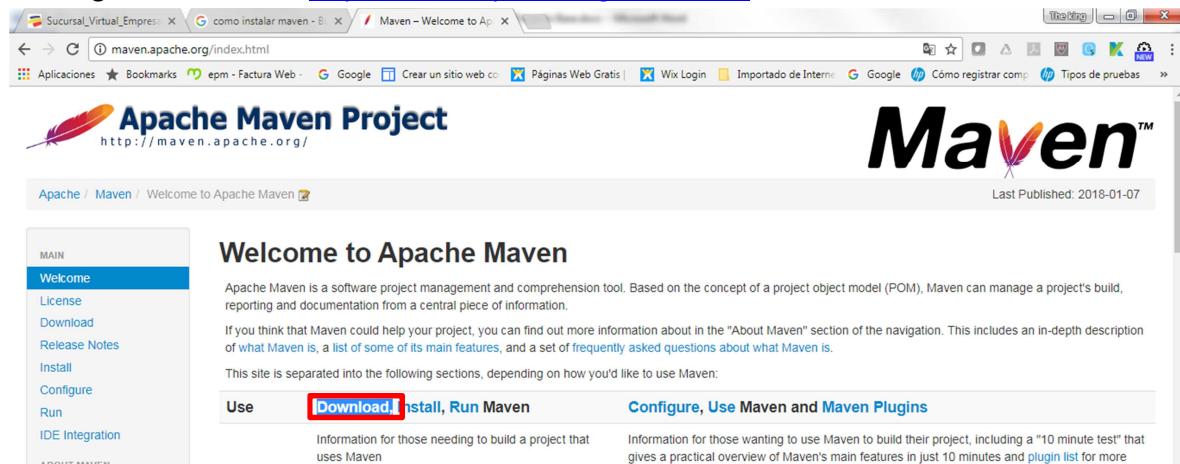
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Product / File Description	File Size	Download
Linux x86	33.37 MB	<a href="#">jre-8u151-linux-x86.rpm</a>
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macOS	65.82 MB	<a href="#">jre-8u151-macosx-x86.tar.gz</a>
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Solaris x64	49.97 MB	<a href="#">jre-8u151-solaris-x64.tar.gz</a>
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Windows x86 Offline	60.72 MB	<a href="#">jre-8u151-windows-598.exe</a>
Windows x86	64.49 MB	<a href="#">jre-8u151-windows-598.tar.gz</a>
Windows x64 Offline	67.25 MB	<a href="#">jre-8u151-windows-x64.exe</a>
Windows x64	68.5 MB	<a href="#">jre-8u151-windows-x64.tar.gz</a>



## Instalación de MAVEN

1. Descargue Maven desde <http://maven.apache.org/index.html>



Welcome to Apache Maven

Apache Maven is a software project management and comprehension tool. Based on the concept of a project object model (POM), Maven can manage a project's build, reporting and documentation from a central piece of information.

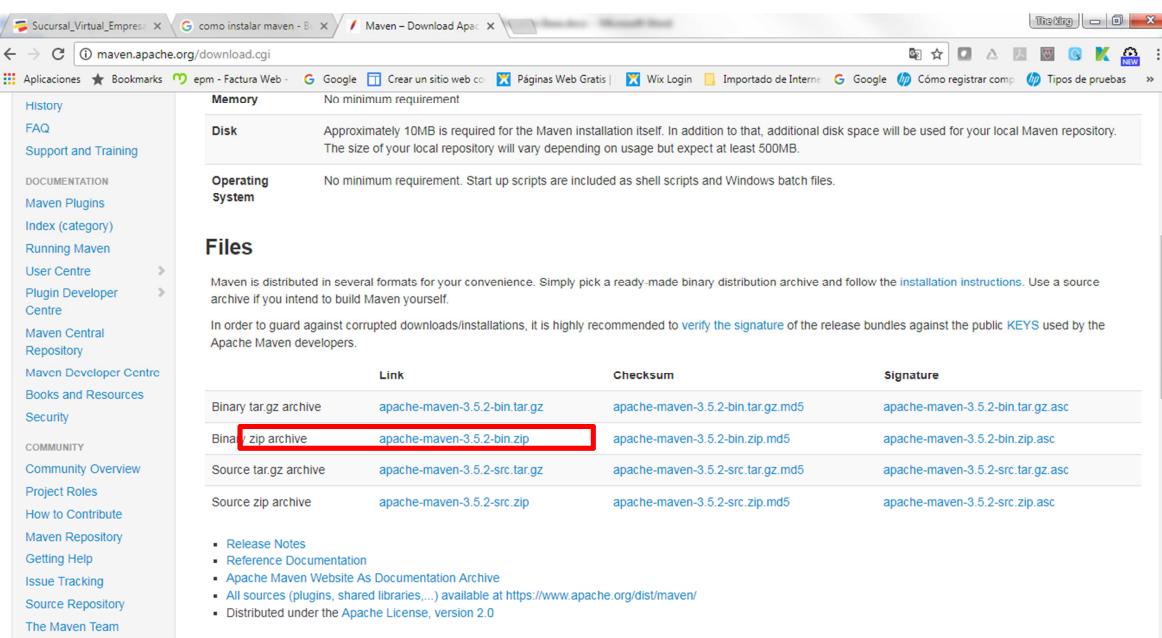
If you think that Maven could help your project, you can find out more information about in the "About Maven" section of the navigation. This includes an in-depth description of what Maven is, a list of some of its main features, and a set of frequently asked questions about what Maven is.

This site is separated into the following sections, depending on how you'd like to use Maven:

Use    **Download, Install, Run Maven**    Configure, Use Maven and Maven Plugins

Information for those needing to build a project that uses Maven    Information for those wanting to use Maven to build their project, including a "10 minute test" that gives a practical overview of Maven's main features in just 10 minutes and plugin list for more

2. Seleccionar Download y descargar el binary zip archive



History    Memory    No minimum requirement

FAQ    Disk    Approximately 10MB is required for the Maven installation itself. In addition to that, additional disk space will be used for your local Maven repository. The size of your local repository will vary depending on usage but expect at least 500MB.

Support and Training    Operating System    No minimum requirement. Start up scripts are included as shell scripts and Windows batch files.

**Files**

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to verify the signature of the release bundles against the public [KEYS](#) used by the Apache Maven developers.

Link	Checksum	Signature	
Binary tar.gz archive	apache-maven-3.5.2-bin.tar.gz	apache-maven-3.5.2-bin.tar.gz.md5	apache-maven-3.5.2-bin.tar.gz.asc
Binary zip archive	apache-maven-3.5.2-bin.zip	apache-maven-3.5.2-bin.zip.md5	apache-maven-3.5.2-bin.zip.asc
Source tar.gz archive	apache-maven-3.5.2-src.tar.gz	apache-maven-3.5.2-src.tar.gz.md5	apache-maven-3.5.2-src.tar.gz.asc
Source zip archive	apache-maven-3.5.2-src.zip	apache-maven-3.5.2-src.zip.md5	apache-maven-3.5.2-src.zip.asc

- Release Notes
- Reference Documentation
- Apache Maven Website As Documentation Archive
- All sources (plugins, shared libraries,...) available at <https://www.apache.org/dist/maven/>
- Distributed under the Apache License, version 2.0

3. Crear una carpeta en D:\Maven y descomprimir el archivo zip descargado previamente





**Agregar plugin cucumber**

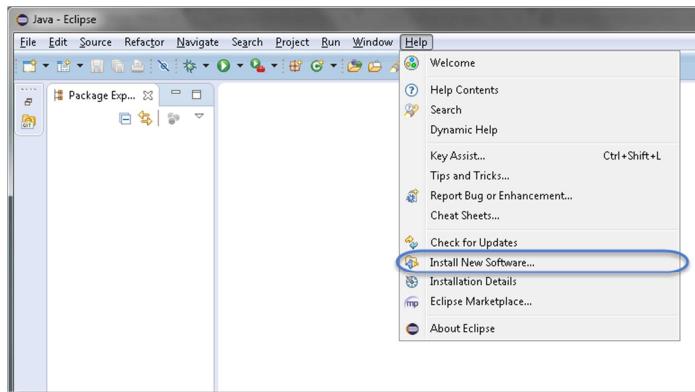
Help &gt; Install New Software

## Install Cucumber Eclipse Plugin

It is easy to install **Cucumber Eclipse Plugin**, as it comes as a plugin for **Eclipse IDE**. Prerequisite for installing this plugin is your Internet connection should be up & running during installation of this plugin and Eclipse IDE should be installed in your computer. Please see [Download and Install Eclipse](#) to setup Eclipse to your system.

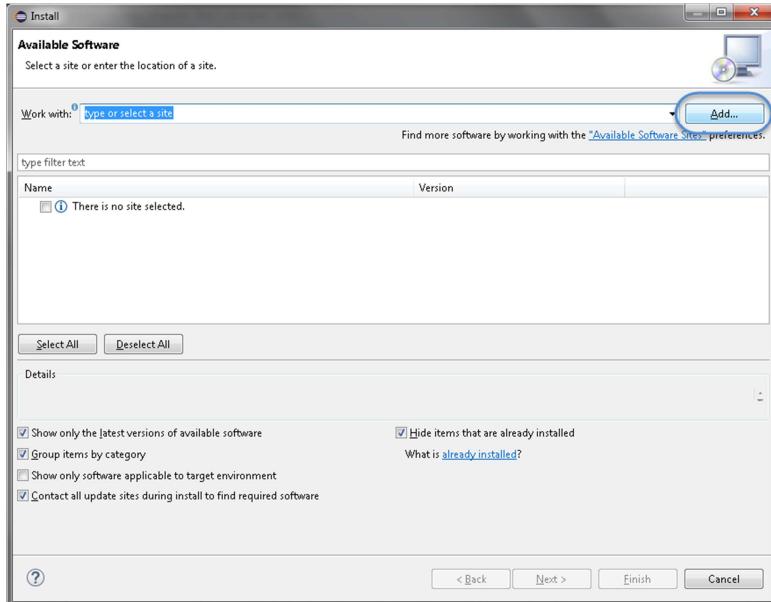
### Steps to follow:

- 1) Launch the *Eclipse IDE* and from Help menu, click “*Install New Software*”.

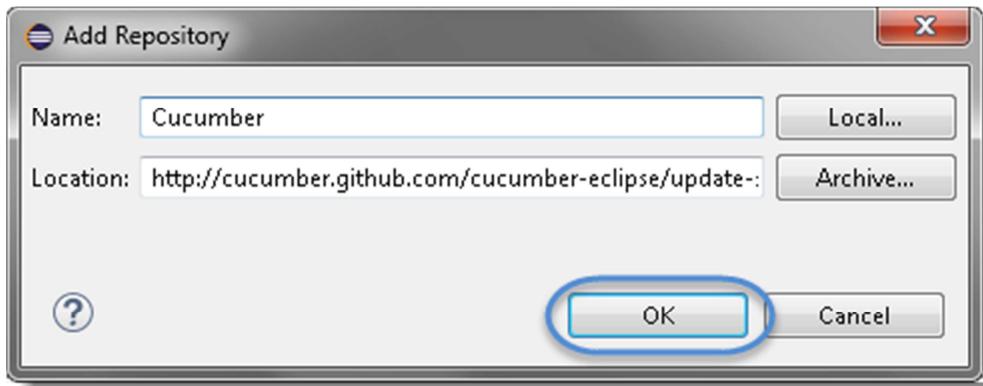


- 2) You will see a dialog window, click “*Add*” button.



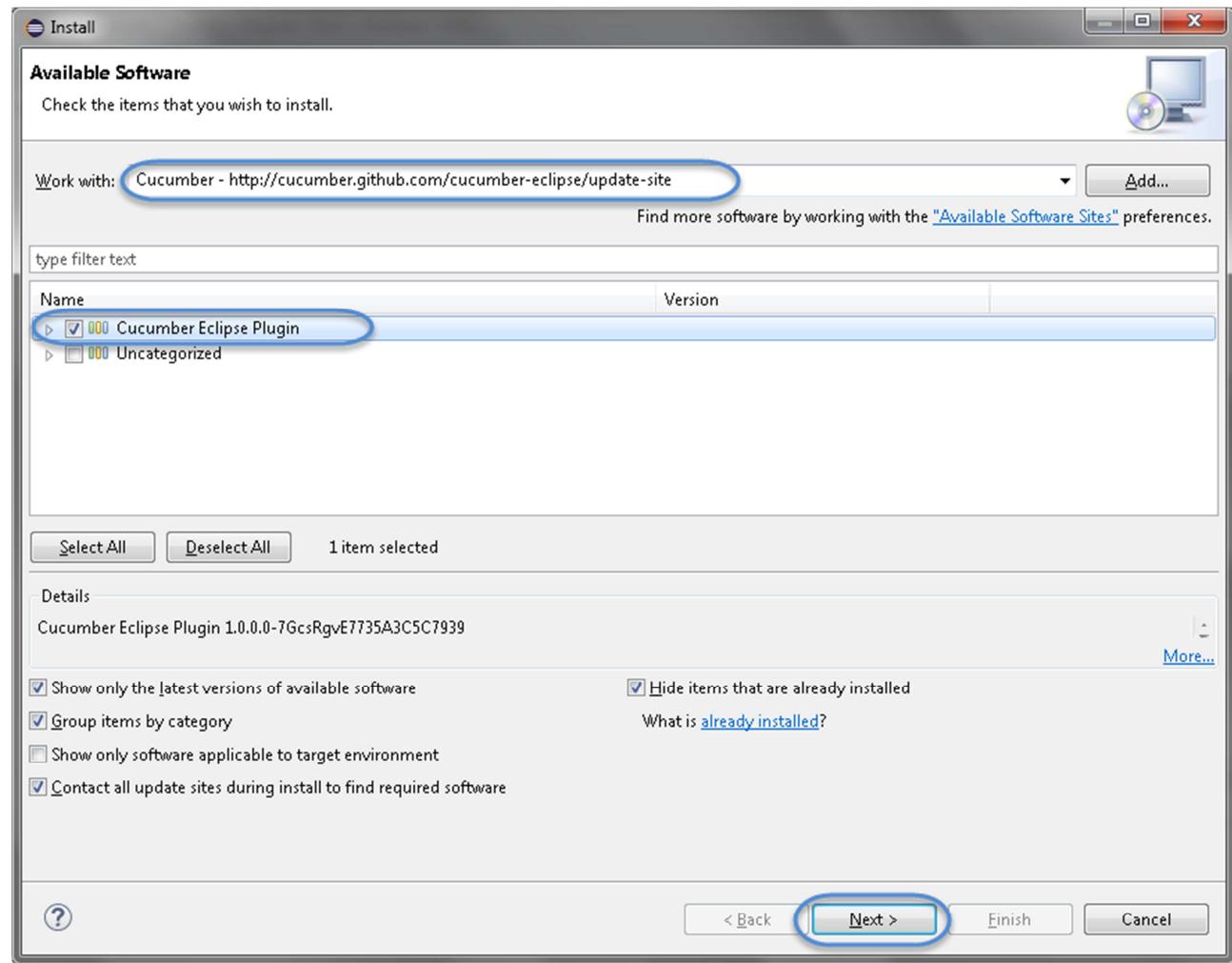


3) Type name as you wish, let's take "**Cucumber**" and type "<http://cucumber.github.com/cucumber-eclipse/update-site>" as location. Click **OK**.



4) You come back to the previous window but this time you must see **Cucumber Eclipse Plugin** option in the available software list. Just **Check** the box and press **"Next"** button.

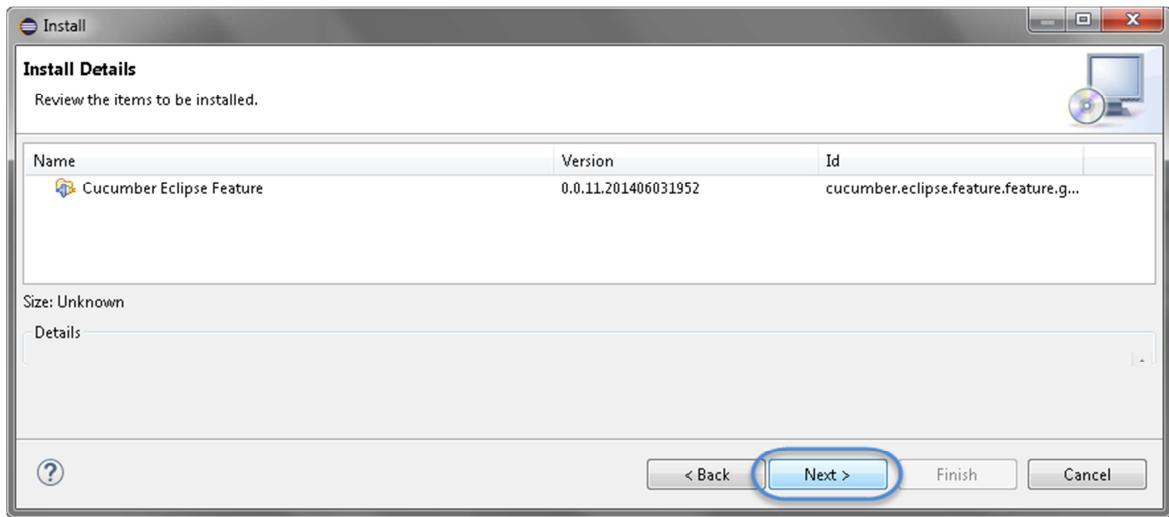




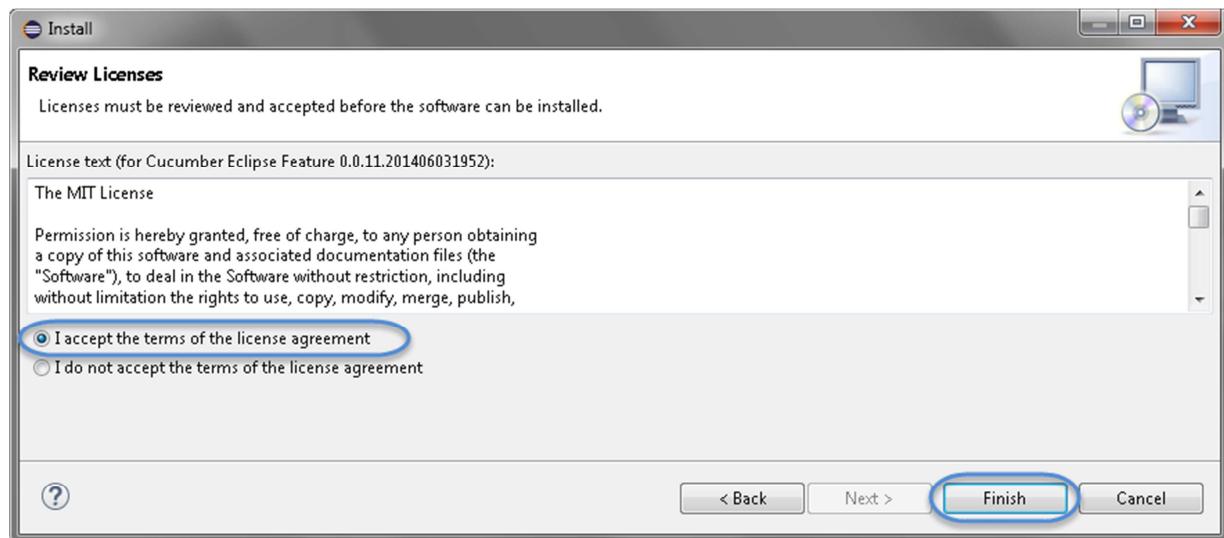
**Note:** If running behind a proxy server and you get a 'HTTP Proxy Authentication Required' error you may need to contact a system administrator to set up your proxy server settings.

5) Click on **Next**.

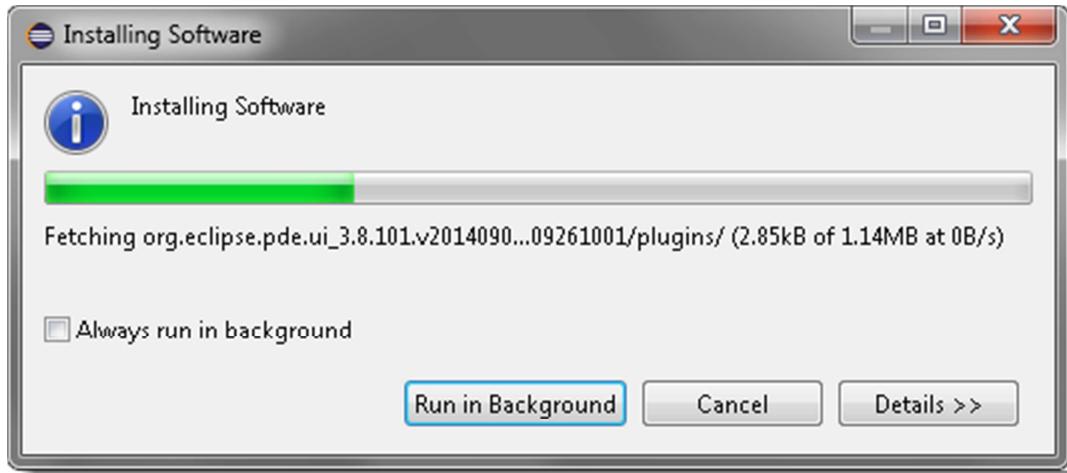




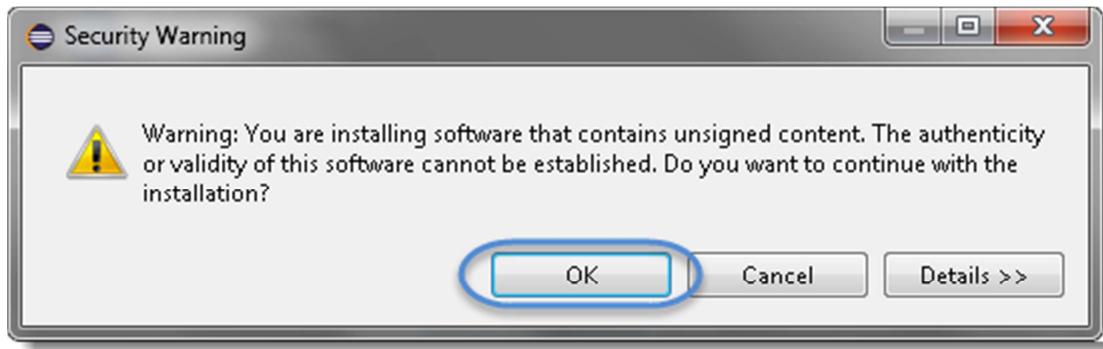
6) Click "*I accept the terms of the license agreement*" then click *Finish*.



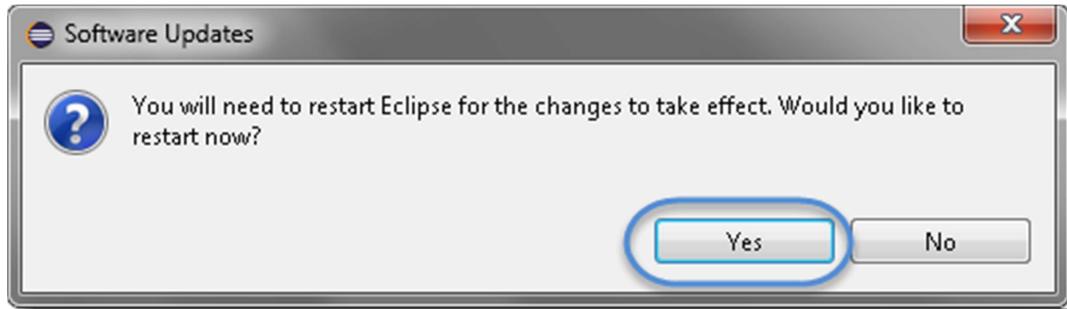
7) Let it install, it will take few seconds to complete.

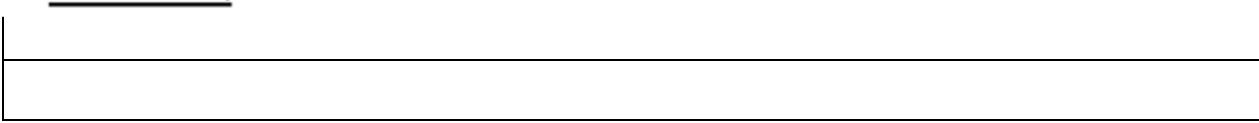


8) You may or may not encounter a Security warning, if in case you do just click **OK**.



9) You are all done now, just Click **Yes**.



**Importar Proyecto Base**

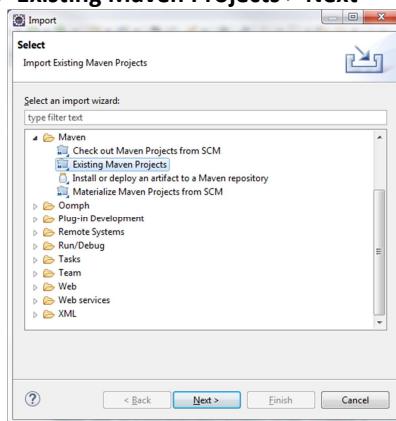
Se cuenta con un proyecto Base el cual contiene la estructura completa y las configuraciones respectivas.

Paso 1. Descargar proyecto base en la ruta del workspace configurado del siguiente link:

[https://drive.google.com/open?id=1\\_-ncwBJed2WomXqv9KVqZIRynadTraNR](https://drive.google.com/open?id=1_-ncwBJed2WomXqv9KVqZIRynadTraNR)

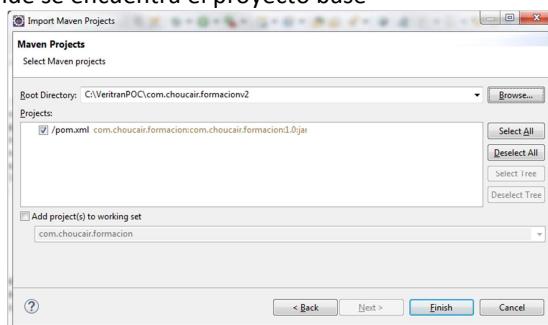
Paso 2. Importar proyecto:

Para importar: **File > Import > Maven > Existing Maven Projects > Next**



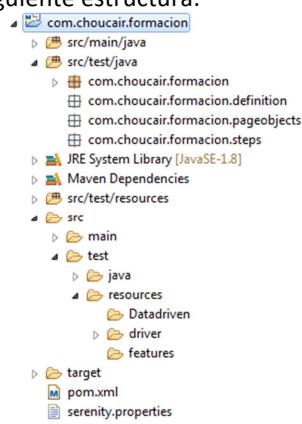
> Next

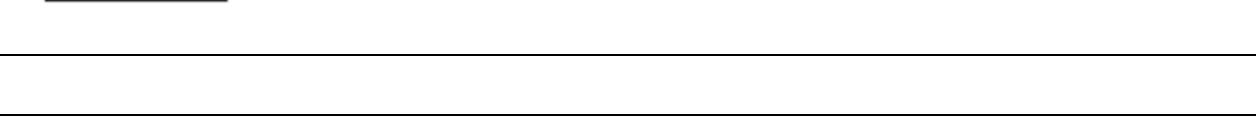
> Browse: seleccione la ruta donde se encuentra el proyecto base



> Finish, este proceso durará varios minutos, permita que el proceso finalice por completo.

Al finalizar se cargará la siguiente estructura:

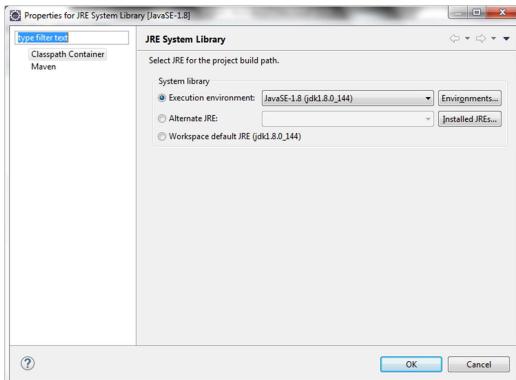




Paso 3. Verificar Build Path.

Clic derecho sobre “JRE System Library” > properties >

En la opción “Execution environment” seleccionar “JavaSE-1.8”

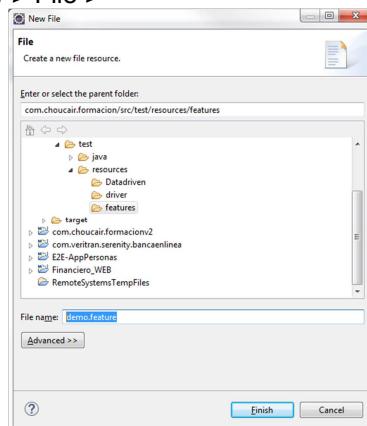


Paso 4. Verificar la instalación correcta del proyecto

Realicemos la siguiente prueba para verificar la correcta instalación del ambiente:

Ubique la carpeta src/test/resources/features

Clic derecho sobre este folder > New > File >



En el campo File name: ingrese el nombre demo.feature y Finish, se agregará un archivo tipo .feature que contiene un ejemplo de historia de usuario, así:

