

Cucumber functionality is abstracted out in jars and following Cucumber jars/modules are required to run a *Cucumber* test with *Java* in *Eclipse*.

- . **cucumber-core**
- . **cucumber-java**
- . **cucumber-junit**
- . **cucumber-jvm-deps**
- . **cucumber-reporting**
- . **gherkin**
- . **junit**
- . **mockito-all**
- . **cobertura**

There are many options to download Cucumber jars for Eclipse, can follow any of these below:

Download Cucumber Jars from Online Maven Repository

Download Cucumber Jars from oss.sonatype.org

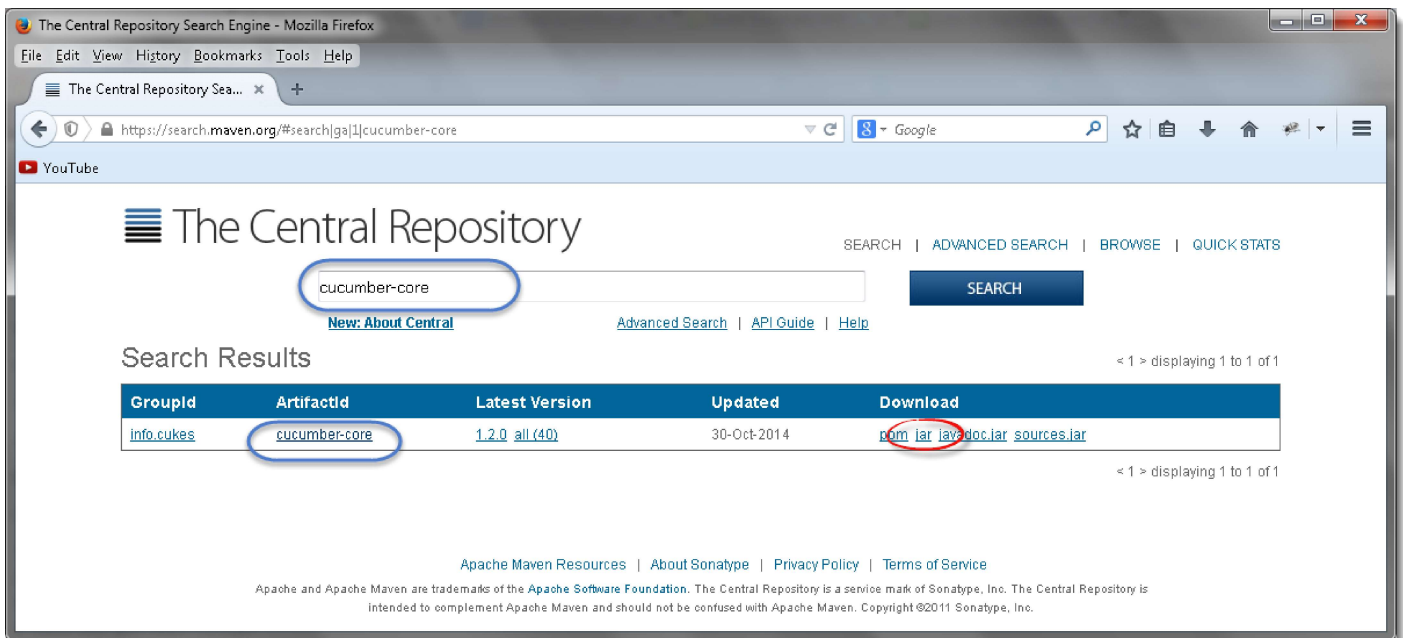
Download Cucumber Jars from Maven dependencies (Easiest)

Option 1 : Download Cucumber Jars from Online Maven Repository

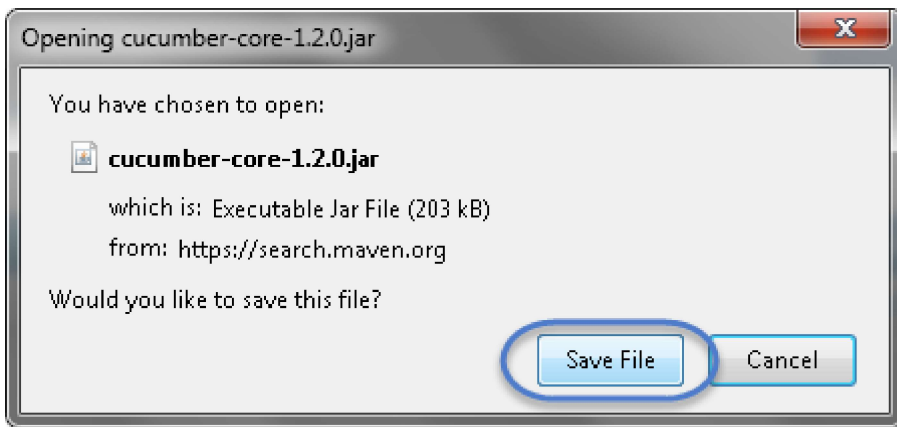
- . Go to <https://search.maven.org>.



- . Search for **cucumber-core** in the Central Maven Repository. It will return the **Cucumber Core** jars. Click on the **jar**.



. It will display a pop up and ask you to save the *cucumber core jar* file.



. Just like this, one by one search for every other jar file mentioned above and downloads these to your drive.

Name	Date modified	Type	Size
cobertura-1.8	27/12/2014 17:03	Executable Jar File	172 KB
cucumber-core-1.2.0	27/12/2014 10:35	Executable Jar File	203 KB
cucumber-java-1.2.0	27/12/2014 16:59	Executable Jar File	202 KB
cucumber-junit-1.2.0	27/12/2014 16:59	Executable Jar File	18 KB
cucumber-jvm-deps-1.0.3	27/12/2014 16:59	Executable Jar File	528 KB
cucumber-reporting-0.0.23	27/12/2014 17:01	Executable Jar File	1,482 KB
gherkin-2.12.2	27/12/2014 17:00	Executable Jar File	1,710 KB
junit-4.11	27/12/2014 17:02	Executable Jar File	240 KB
mockito-all-1.10.8	27/12/2014 17:02	Executable Jar File	1,183 KB

Note that *core*, *java* and *junit* files all need to be the same file version e.g. 1.2.0

Also, one most important thing to know is to download the correct Jars. As when you search for these libraries, you will get many options to download. So below chart will help you to install the

right libraries from GroupID.

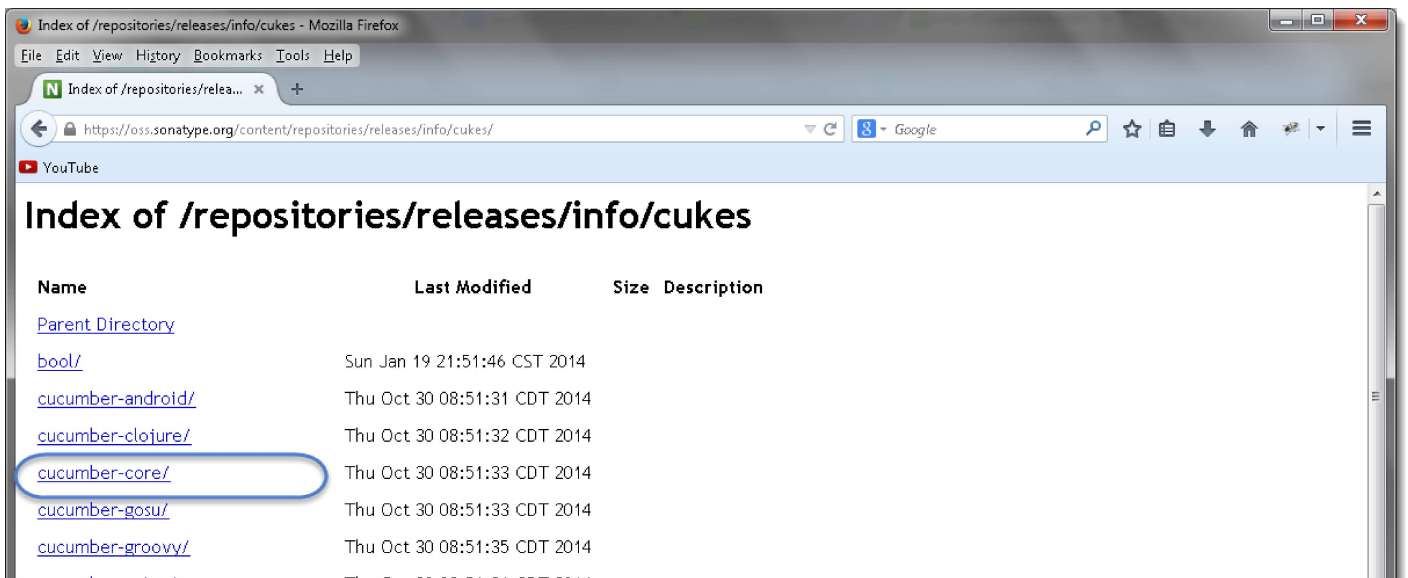
Libraries	GroupID	Version
cucumber-core	info.cukes	Same
cucumber-java	info.cukes	
cucumber-junit	info.cukes	
cucumber-jvm-deps	info.cukes	
cucumber-reporting	net.masterthought	
gherkin	info.cukes	
junit	junit	
mockito-all	org.mockito	
cobertura	net.sourceforge.cobertura	

I got below versions on Oct'17 for Cucumber

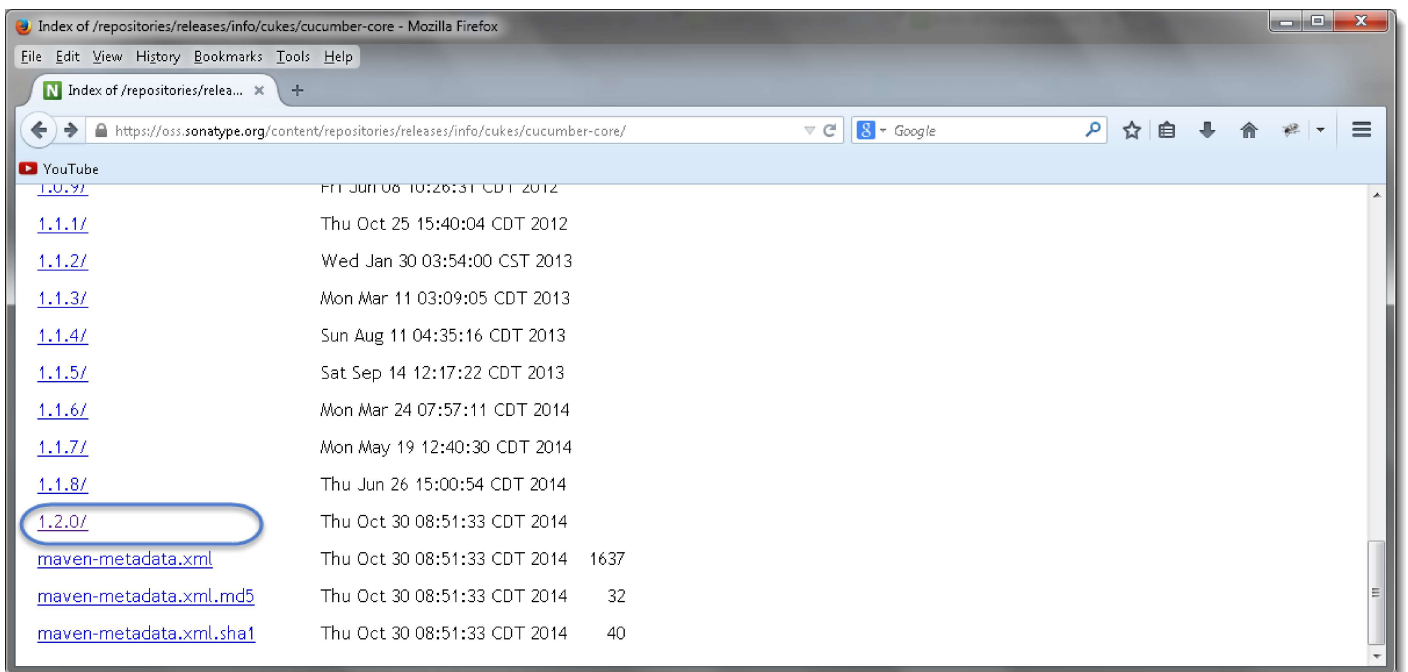
*cobertura-2.1.1
cucumber-core-1.2.5
cucumber-java-1.2.5
cucumber-junit-1.2.5
cucumber-jvm-deps-1.0.5
cucumber-reporting-3.10.0
gherkin-2.12.2
junit-4.12
mockito-all-2.0.2-beta*

Option 2 : Download Cucumber Jars from oss.sonatype.org

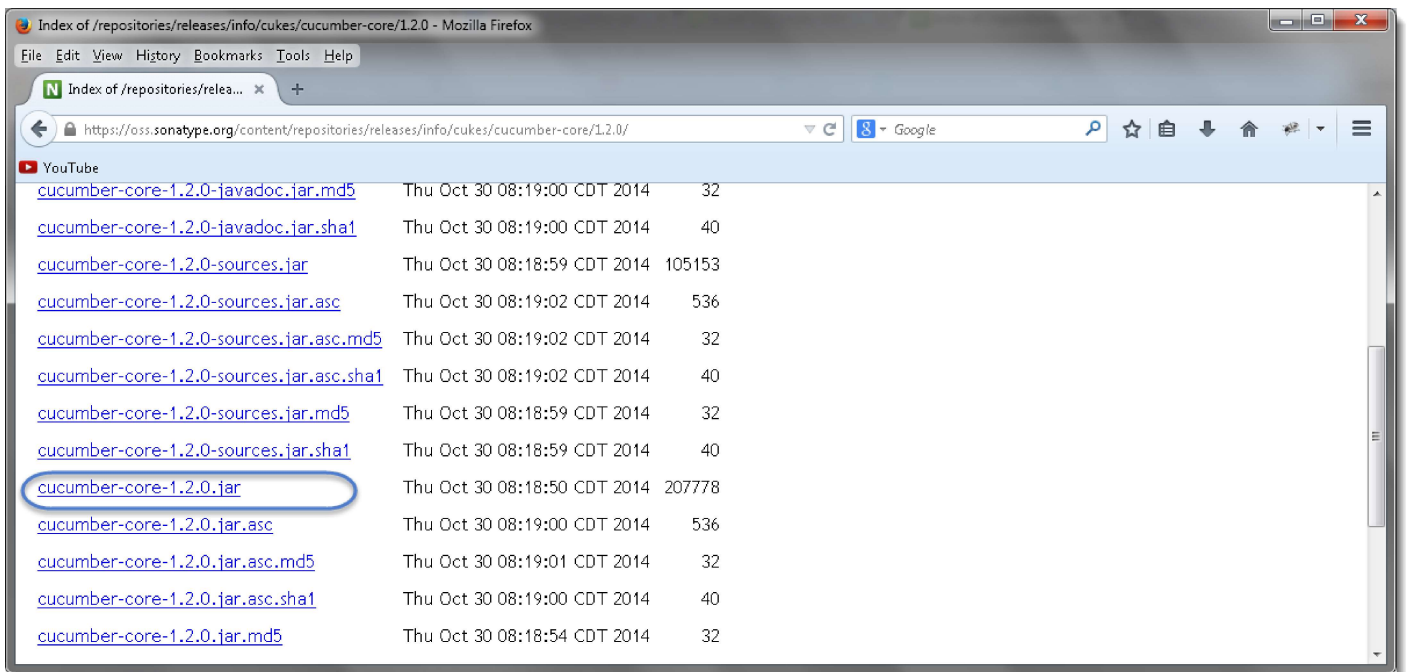
. Go to <https://oss.sonatype.org/content/repositories/releases/info/cukes/> . Here also all the cucumber jars are available. Start with **cucumber-core**.



- . Click on the latest version at the bottom of the page, which is **version 1.2.0** as of now by Dec'14.



- . Once clicked on the version, it will display the all types of jar available to download. Click on **cucumber-core-1.2.0.jar** .



- Just like this, downloads all of these to your drive and every other jar is available on the same page.

Name	Date modified	Type	Size
cobertura-1.8	27/12/2014 17:03	Executable Jar File	172 KB
cucumber-core-1.2.0	27/12/2014 10:35	Executable Jar File	203 KB
cucumber-java-1.2.0	27/12/2014 16:59	Executable Jar File	202 KB
cucumber-junit-1.2.0	27/12/2014 16:59	Executable Jar File	18 KB
cucumber-jvm-deps-1.0.3	27/12/2014 16:59	Executable Jar File	528 KB
cucumber-reporting-0.0.23	27/12/2014 17:01	Executable Jar File	1,482 KB
gherkin-2.12.2	27/12/2014 17:00	Executable Jar File	1,710 KB
junit-4.11	27/12/2014 17:02	Executable Jar File	240 KB
mockito-all-1.10.8	27/12/2014 17:02	Executable Jar File	1,183 KB

Note that core, java and junit files all need to be the same file version e.g. 1.2.0

Option 3 : Download Cucumber Jars from Maven dependencies

This is the most common and effective way of setting up cucumber with eclipse. But this is bit tricky for the people who do not have much experience with Maven and may end up in wasting a lot of time. There are few prerequisites for setting up cucumber in eclipse.

- Install Maven in Eclipse IDE**
- Create a New Maven Project in Eclipse**

Once *Maven* is installed on eclipse and a *Maven* project is created, the next step is to add cucumber dependencies on the project. I have written a nice tutorial on *Maven* and how to add dependencies in to *Maven* project. Please follow the **Step 4 : Add Dependencies to the Maven Repository** at [this article](#). The way we have added Selenium dependencies in the article the same way add the below mentioned dependencies in to the *Maven POM*.

Do not forget to add all the dependencies for all the below mentioned jars required for Cucumber set up:

- . **cucumber-core**
- . **cucumber-java**
- . **cucumber-junit**
- . **cucumber-jvm-deps**
- . **cucumber-reporting**
- . **gherkin**
- . **junit**
- . **mockito-all**
- . **cobertura**

For example, Open the **pom.xml** file and Copy the following inside the **dependencies** tag.

```
<dependency>
    <groupId>info.cukes</groupId>
    <artifactId>cucumber-java</artifactId>
    <version>1.1.5</version>
    <scope>test</scope>
</dependency>

<dependency>
    <groupId>info.cukes</groupId>
    <artifactId>cucumber-jvm</artifactId>
    <version>1.1.5</version>
    <type>pom</type>
</dependency>

<dependency>
    <groupId>info.cukes</groupId>
    <artifactId>cucumber-junit</artifactId>
    <version>1.1.5</version>
    <scope>test</scope>
</dependency>
<dependency>
    <groupId>net.sourceforge.cobertura</groupId>
    <artifactId>cobertura</artifactId>
    <version>2.1.1</version>
</dependency>
<dependency>
    <groupId>info.cukes</groupId>
    <artifactId>cucumber-jvm-deps</artifactId>
    <version>1.0.5</version>
</dependency>
```

```
<dependency>
  <groupId>net.masterthought</groupId>
  <artifactId>cucumber-reporting</artifactId>
  <version>1.0.0</version>
</dependency>
<dependency>
  <groupId>info.cukes</groupId>
  <artifactId>gherkin</artifactId>
  <version>2.12.2</version>
</dependency>
<dependency>
  <groupId>org.mockito</groupId>
  <artifactId>mockito-all</artifactId>
  <version>2.0.2-beta</version>
</dependency>
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>3.8.1</version>
  <scope>test</scope>
</dependency>
```