

How to import external framework into Eclipse IDE

Consider a programming example

```
public class JasonExample {  
    public static void main(String args[]){  
        JSONObject obj=new JSONObject();  
        obj.put("name","Manoj");  
        obj.put("age",new Integer(25));  
        obj.put("salary",new Double(600000));  
        System.out.print(obj);  
    }  
}
```

In the above program the class “JSONObject” is not a built-in class. There is no built-in library that contains “JSONObject” in Java. Because of that we need to add the “JSONObject” to the program.

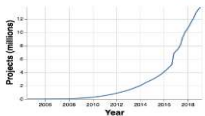
Step1:Open your browser and search for websie ‘mvnrepository.com’ and search for “Jason simple” published by google, click on it and download the latest .jar file. Or use the link:

<https://mvnrepository.com/artifact/com.googlecode.json-simple/json-simple>

The screenshot shows the Maven Repository website for the artifact `com.googlecode.json-simple:json-simple`. The page includes a search bar, a sidebar with categories, and a main content area with details about the artifact. A table at the bottom shows versions 1.1.1 and 1.1, with version 1.1.1 highlighted by an arrow.

Version	Vulnerabilities	Repository	Usages	Date
1.1.1		Central	1,452	Mar 21, 2012
1.1		Central	684	Aug 12, 2009

Click on the latest version and it will redirect you to the new download page and lick on view all and download the .jar file.



Project (millions)

Year

Popular Categories

- Testing Frameworks & Tools
- Android Packages
- Logging Frameworks
- Java Specifications
- JSON Libraries
- JVM Languages
- Language Runtime
- Core Utilities
- Mocking
- Web Assets
- Annotation Libraries
- HTTP Clients
- Logging Bridges
- Dependency Injection
- XML Processing

JSON.simple » 1.1.1

A simple Java toolkit for JSON

License	Apache 2.0
Categories	JSON Libraries
Tags	format bundle json google serialization osgi
HomePage	http://code.google.com/p/json-simple/
Date	Mar 21, 2012
Files	pom (3 KB) bundle (23 KB) View All
Repositories	Central Mulesoft Redhat GA Sonatype WSO2 Public Xceptance
Ranking	#236 in MvnRepository (See Top Artifacts) #10 in JSON Libraries
Used By	2,077 artifacts
Vulnerabilities	Vulnerabilities from dependencies: CVE-2020-15250

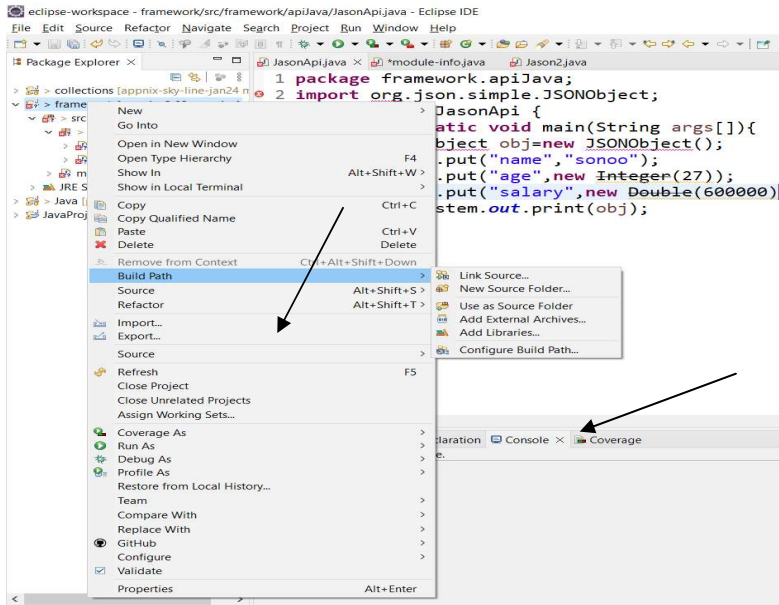
[Maven](#) [Gradle](#) [Gradle \(Short\)](#) [Gradle \(Kotlin\)](#) [SBT](#) [Ivy](#) [Grape](#) [Leiningen](#) [Buildr](#)

```
<!-- https://mvnrepository.com/artifact/com.googlecode.json-simple/json-simple -->
<dependency>
  <groupId>com.googlecode.json-simple</groupId>
  <artifactId>json-simple</artifactId>
  <version>1.1.1</version>
</dependency>
```

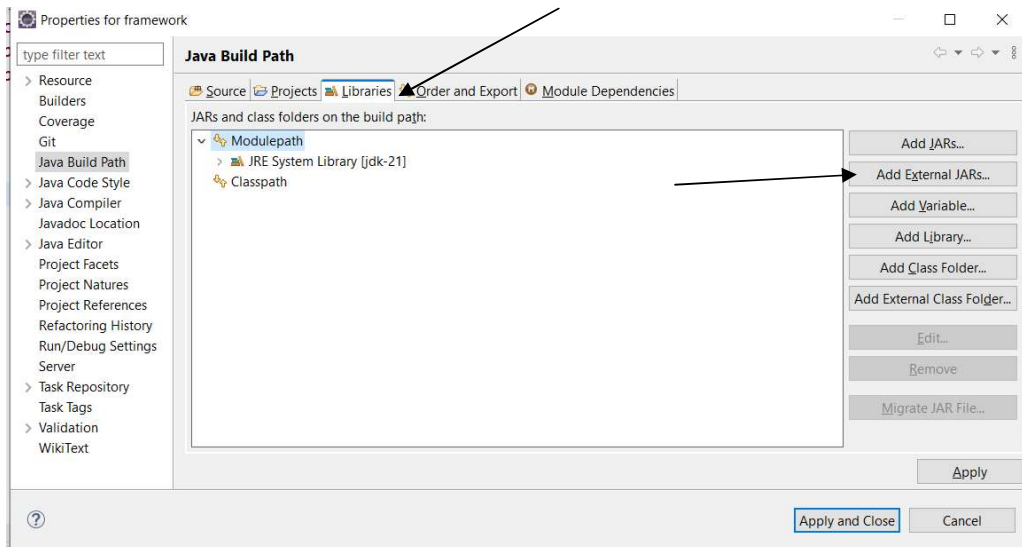
com/googlecode/json-simple/json-simple/1.1.1

...		
json-simple-1.1.1-javadoc.jar	2012-03-21 05:11	87343
json-simple-1.1.1-javadoc.jar.asc	2012-03-21 05:11	499
json-simple-1.1.1-javadoc.jar.asc.md5	2012-03-21 05:11	32
json-simple-1.1.1-javadoc.jar.asc.sha1	2012-03-21 05:11	40
json-simple-1.1.1-javadoc.jar.md5	2012-03-21 05:11	32
json-simple-1.1.1-javadoc.jar.sha1	2012-03-21 05:11	40
json-simple-1.1.1-sources.jar	2012-03-21 05:11	17445
json-simple-1.1.1-sources.jar.asc	2012-03-21 05:11	499
json-simple-1.1.1-sources.jar.asc.md5	2012-03-21 05:11	32
json-simple-1.1.1-sources.jar.asc.sha1	2012-03-21 05:11	40
json-simple-1.1.1-sources.jar.md5	2012-03-21 05:11	32
json-simple-1.1.1-sources.jar.sha1	2012-03-21 05:11	40
json-simple-1.1.1.jar	2012-03-21 05:11	23931
json-simple-1.1.1.jar.asc	2012-03-21 05:11	499
json-simple-1.1.1.jar.asc.md5	2012-03-21 05:11	32
json-simple-1.1.1.jar.asc.sha1	2012-03-21 05:11	40
json-simple-1.1.1.jar.md5	2012-03-21 05:11	32
json-simple-1.1.1.jar.sha1	2012-03-21 05:11	40
json-simple-1.1.1.pom	2012-03-21 05:11	3464
json-simple-1.1.1.pom.asc	2012-03-21 05:11	499
json-simple-1.1.1.pom.asc.md5	2012-03-21 05:11	32
json-simple-1.1.1.pom.asc.sha1	2012-03-21 05:11	40
json-simple-1.1.1.pom.md5	2012-03-21 05:11	32
json-simple-1.1.1.pom.sha1	2012-03-21 05:11	40

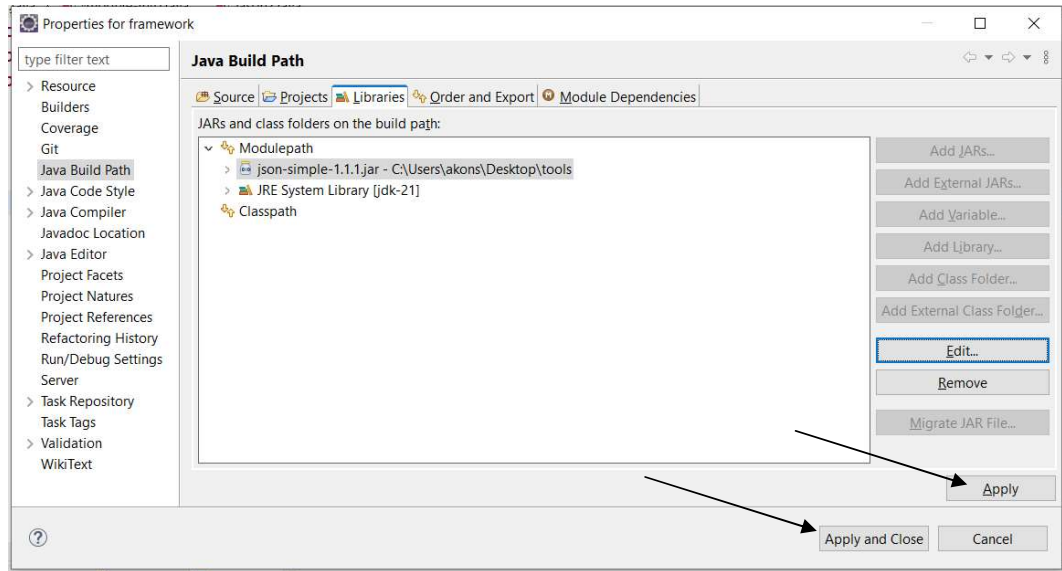
Step 2: After downloading come back to Eclipse and in the left side right click mouse button the project you need to add the framework, click on ‘build path’ and select ‘configure build path’



Step 3: It will open new window “properties for framework” inside this window go to libraries and select ‘ModulePath’ and click on “add External JARs”



Step 4: This will open your file directory, go to the folder where you have downloaded the “Jason simple.jar” file select the file and click on open and click on apply and apply and close.



Step 5: Now in the program hold your cursor on the ‘JSONObject’ it will show the option to import the ‘JSONObject’ click on it and import the framework.



Step 6: After importing it's still showing the error, so hold your cursor on “import org.json.simple.JSONObject” and add type parameter ‘JSONObject’ to main(String[]) it will add parameter to module-info.java file.

