

Add dependency of the following in your project's POM and make them available in Felix Console.

com.google.gson.Gson

Version : 2.8

### POM.xml

The screenshot shows the IntelliJ IDEA IDE with the following components:

- Project View:** Shows the project structure for `osgiDemo`. The `src/main/java` directory contains the following classes:
  - `com.ttn.sling.project.core`
    - `service`
      - `impl`
        - `GsonTest` (highlighted)
        - `MySimpleInterfaceImplementation`
        - `MySimpleInterfaceImplementation2`
        - `MySimpleInterfaceImplementation3`
        - `MyServiceConfiguration`
        - `MySimpleInterface`
        - `ReferenceDemo`
        - `SimpleDSComponent`

- Code Editor:** Displays the `pom.xml` file with the following dependencies:

```
136 <scope>provided</scope>
137 </dependency>
138 <dependency>
139   <groupId>junit</groupId>
140   <artifactId>junit</artifactId>
141   <version>4.12</version>
142   <scope>test</scope>
143 </dependency>
144
145 <dependency>
146   <groupId>com.google.code.gson</groupId>
147   <artifactId>gson</artifactId>
148   <version>2.8.5</version>
149   <scope>provided</scope>
150 </dependency>
151
152 <!-- NEW DEPENDENCIES ADDED -->
153
154
155 <dependency>
156   <groupId>org.osgi</groupId>
157   <artifactId>org.osgi.service.metatype.annotations</artifactId>
158   <version>1.3.0</version>
159 </dependency>
```
- Terminal:** Shows the output of the build process:

```
[INFO] Bundle installed
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.187 s
[INFO] Finished at: 2019-03-24T15:04:11+05:30
[INFO] Final Memory: 22M/278M
[INFO] -----
ttn@ttn:osgiDemo $
```

## GSONTEST

The screenshot shows the IntelliJ IDEA interface with the following components:

- Top Bar:** Activities, JetBrains-idea, Sun 15:05.
- Project View:** Shows the project structure for `osgiDemo` at `~/AEM_MAVEN/SLING_PROJECT/osgiDemo`. The path is `src/main/java/com/ttn/sling/project/core/service/impl`. The `GsonTest` class is selected.
- Code Editor:** Displays the `GsonTest.java` file with the following code:

```
1 package com.ttn.sling.project.core.service.impl;
2
3 import com.google.gson.Gson;
4
5 public class GsonTest {
6
7     Gson gson=new Gson();
8
9 }
10
```
- Terminal:** Shows the build output:

```
[INFO] Bundle installed
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.187 s
[INFO] Finished at: 2019-03-24T15:04:11+05:30
[INFO] Final Memory: 22M/278M
[INFO] -----
ttn@ttn:osgiDemo $
```

## Output on felix

Google Chrome Sun 15:17

localhost:8080/system/console/bundles/175

### Apache Sling Web Console Bundles

Main OSGi Sling Status Web Console

Bundle information: 175 bundles in total, 173 bundles active, 1 active fragments, 1 bundles installed

Id	Name	Version	Category	Status	Actions
175	osgiDemo (osgiDemo)	1.0.0.201903240937		Installed	
	Symbolic Name	osgiDemo			
	Version	1.0.0.201903240937			
	Bundle Location	inputstream:osgiDemo-1.0.0-SNAPSHOT.jar			
	Last Modification	Sun Mar 24 15:07:25 IST 2019			
	Start Level	20			
	Imported Packages	com.google.gson;version=[2.8,3) -- Cannot be resolved org.osgi.framework;version=[1.5,2) from org.apache.felix.framework (0) org.osgi.service.component;version=[1.1,2) from org.apache.felix.scr (50) org.slf4j;version=[1.7,2) from slf4j.api (4)			
	Manifest Headers	Archiver-Version: Plexus Archiver Bnd-LastModified: 1553420243380 Build-Jdk: 1.8.0_202 Built-By: ttn Bundle-ManifestVersion: 2 Bundle-Name: osgiDemo Bundle-SymbolicName: osgiDemo Bundle-Version: 1.0.0.201903240937 Created-By: 1.8.0_202 (Amazon.com Inc.) Import-Package: com.google.gson; version="[2.8, 3)", org.osgi.framework; version="[1.5, 2)", org.osgi.service.component; version="[1.1, 2)", org.slf4j; version="[1.7, 2)" Manifest-Version: 1.0 Private-Package: com.ttn.sling.project.core, com.ttn.sling.project.core.service, com.ttn.sling.project.core.service.impl Provide-Capability: osgi.service; objectClass:List="com.ttn.sling.project.core.service.MySimpleInterface", osgi.service; objectClass:List="java.lang.Runnable" Require-Capability: osgi.extender; filter="(&(osgi.extender=osgi.component)(version>=1.3.0)(!( (version>=2.0.0)))", osgi.service; filter="(&(objectClass=com.ttn.sling.project.core.service.MySimpleInterface); effective:=active, osgi.ee; filter="(&(osgi.ee=JavaSE)(version=1.8))" Service-Component: OSGI-INF/com.ttn.sling.project.core.SimpleDSComponent.xml, OSGI- INF/com.ttn.sling.project.core.service.ReferenceDemo.xml, OSGI- INF/com.ttn.sling.project.core.service.impl.MysimpleInterfaceImplementation.xml, OSGI- INF/com.ttn.sling.project.core.service.impl.MysimpleInterfaceImplementation2.xml, OSGI- INF/com.ttn.sling.project.core.service.impl.MysimpleInterfaceImplementation3.xml Tool: Bnd-3.5.0.201709291849			

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