

Creación de proyecto maven vía línea de comandos en Windows.

En las siguientes capturas de pantalla se puede ver la creación de un proyecto maven mediante la línea de comandos, empezando por situar nuestro directorio, y a continuación ejecutando el comando **mvn archetype:generate**

```
C:\Users\Kandista>E:
E:\dev_ex>mvn archetype:generate
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/maven-metadata.xml (980 B at 2.6 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.pom (12 kB at 125 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype/3.2.1/maven-archetype-3.2.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype/3.2.1/maven-archetype-3.2.1.pom (13 kB at 214 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.2.1/maven-archetype-plugin-3.2.1.jar (101 kB at 1.3 MB/s)
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> maven-archetype-plugin:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- maven-archetype-plugin:3.2.1:generate (default-cli) @ standalone-pom ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-catalog/3.2.1/archetype-catalog-3.2.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-catalog/3.2.1/archetype-catalog-3.2.1.pom (1.9 kB at 20 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-models/3.2.1/archetype-models-3.2.1.pom
```

Justo tras lo cual podremos decidir distintas opciones para nuestro proyecto, como la versión, el ID de grupo, ID del artefacto, versión o paquete.

```
3188: remote -> za.co.absa.hyperdrive:component-archetype (-)
3189: remote -> za.co.absa.hyperdrive:component-archetype_2.11 (-)
3190: remote -> za.co.absa.hyperdrive:component-archetype_2.12 (-)
Choose a number or apply filter (format: [groupId:]artifactId, case sensitive contains): 1987: 1987
Choose org.apache.maven.archetypes:maven-archetype-quickstart version:
1: 1.0-alpha-1
2: 1.0-alpha-2
3: 1.0-alpha-3
4: 1.0-alpha-4
5: 1.0
6: 1.1
7: 1.3
8: 1.4
Choose a number: 8: 5
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.pom (703 B at 23 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom (1.5 kB at 55 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom (1.3 kB at 42 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent-4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent-4.pom (10.0 kB at 384 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar (4.3 kB at 148 kB/s)
Define value for property 'groupId': com.nttdata
Define value for property 'artifactId': nttdatatallermvn.sf1
Define value for property 'version' 1.0-SNAPSHOT: : 0.1-SNAPSHOT
Define value for property 'package' com.nttdata: : com.nttdata.mvn_
```

Una vez seleccionadas las opciones que queremos el proyecto se terminará de buildear.

```
[INFO] -----
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO] -----
[INFO] Parameter: basedir, Value: E:\dev_ex
[INFO] Parameter: package, Value: com.nttdata.mvn
[INFO] Parameter: groupId, Value: com.nttdata
[INFO] Parameter: artifactId, Value: nttdatatallermvn.sfl
[INFO] Parameter: packageName, Value: com.nttdata.mvn
[INFO] Parameter: version, Value: 0.1-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: E:\dev_ex\nttdatatallermvn.sfl
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 04:04 min
[INFO] Finished at: 2022-11-07T17:44:03+01:00
[INFO] -----
E:\dev_ex>_
```

DIFICULTADES ENCONTRADAS:

-Error de ejecución con Java: Al crear el proyecto y tener la clase App lista para lanzar, Eclipse no era capaz de interpretar la clase como código de Java.

SOLUCIÓN: Crear una nueva Running configuration en Eclipse localizando la clase principal del proyecto, asegurándose de incluir también el paquete que la contiene, de lo contrario no funcionará.