

# Creating a new Camel Component

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If you want to create your own version of the Camel [Component](#) you can use the [Camel Maven Archetypes](#).

```
mvn archetype:generate \
  -DarchetypeGroupId=org.apache.camel.archetypes \
  -DarchetypeArtifactId=camel-archetype-component \
  -DarchetypeVersion=2.9.0 \
  -DgroupId=myGroupId \
  -DartifactId=myArtifactId
```

This will create a maven project which contains a demo component, you need to implement your own component by modifying it. You need to move the META-INF/services/direct file to META-INF/services/PACKAGE\_NAME/FOO where FOO is the URI scheme for your component and any related endpoints created on the fly and PACKAGE\_NAME is your component's package name which is replaced the '.' with '/'.

### Optional properties (available as of Camel 2.9.0)

By default the camel component archetype will generate a HelloWorldComponent that will use the URI scheme helloworld. You can further customize the generated component by using some custom parameters passed to the component.

Name	Default	Description
name	HelloWorld	The name of the component. It will be used as a prefix for all generated classes.
scheme	helloworld	The default URI scheme the component will use.

### Usage Examples:

To create the "Awesome" component and all its related classes (AwesomeComponent, AwesomeEndpoint, AwesomeProducer etc) that will use the awesome URI scheme:

```
mvn archetype:generate \
  -DarchetypeGroupId=org.apache.camel.archetypes \
  -DarchetypeArtifactId=camel-archetype-component \
  -DarchetypeVersion=2.9.0 \
  -DgroupId=myGroupId \
  -DartifactId=myArtifactId \
  -Dname=Awesome \
  -Dscheme=awesome
```

For more help see [Writing Components](#)