

ArchetypeDescriptor

“原型描述符”用于描述“原型项目的元数据信息”

This is a reference for the **Archetype descriptor** used to describe **archetypes's metadata**.

The **metadata about an archetype** is stored in the **archetype-metadata.xml** file located in the **META-INF/maven** directory of its jar file.

```
<archetype-descriptor xmlns="http://maven.apache.org/plugins/maven-archetype-plugin/archetype-de
scriptor/1.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/plugins/maven-archetype-plugin/archetype-descripto
r/1.0.0 http://maven.apache.org/xsd/archetype-descriptor-1.0.0.xsd" >
  name=.. partial=.. >
  <requiredProperties>
    <requiredProperty key=.. >
      <defaultValue/>
    </requiredProperty>
  </requiredProperties>

  <fileSets>
    <fileSet filtered=.. packaged=.. encoding=.. >
      <directory/>
      <includes/>
      <excludes/>
    </fileSet>
  </fileSets>

  <modules>
    <module id=.. dir=.. name=.. >
      <fileSets>
        <fileSet filtered=.. packaged=.. encoding=.. >
          <directory/>
          <includes/>
          <excludes/>
        </fileSet>
      </fileSets>

      <modules>
        <module>...recursion...<module>
      </modules>
    </module>
  </modules>
</archetype-descriptor>
```

定义 属性值

定义 项目信息

定义 多模块项目元数据

定义 多模块子项目

archetype-descriptor

No description.

Attribute	Type	Description
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`name` `String` Name of the Archetype, that will be displayed to the user when choosing an archetype.

`partial` `boolean` Is this archetype representing a full Maven project or only parts?
Default value is: `false`.

Element	Type	Description
<code>requiredProperties/requiredProperty*</code>	<code>List<RequiredProperty></code>	(Many) List of <code>required properties</code> to <u>generate a project from this archetype.</u>
<code>fileSets/fileSet*</code>	<code>List<FileSet></code>	(Many) <code>File sets</code> definition. 文件集定义
<code>modules/module*</code>	<code>List<ModuleDescriptor></code>	(Many) <code>Modules</code> definition. 多模块项目定义

requiredProperty


Definition of a property required when generating a project from this archetype.

Attribute	Type	Description
<code>key</code>	<code>String</code>	Key value of the property.

Element	Type	Description
<code>defaultValue</code>	<code>String</code>	Default value of the property.

fileSet

A `fileset` defines the way the project's files located in the jar file are used by the Archetype Plugin to generate a project. If `file` or `directory` name contains `__property__` pattern, it is replaced with corresponding property value.

Attribute	Type	Description
<code>filtered</code>	<code>boolean</code>	<code>Filesets</code> <u>can be filtered</u> , which means the selected files will be used as <code>Velocity templates</code>  . They can be non-filtered, which means the selected files will be copied without modification. Default value is: <code>false</code> .
<code>packaged</code>	<code>boolean</code>	<code>Filesets</code> <u>can be packaged</u> , which means the selected files will be generated/copied in a directory structure that is prepended by the package property. They can be non-packaged, which means that the selected files will be generated/copied without that prepend. Default value is: <code>false</code> .
<code>encoding</code>	<code>String</code>	Encoding to use when filtering content.

Element	Type	Description
<code>directory</code>	<code>String</code>	The directory where the files will be searched for, which is also the directory where the project's files will be generated.
<code>includes/include*</code>	<code>List<String></code>	(Many) Inclusion definition "à la" Ant.
<code>excludes/exclude*</code>	<code>List<String></code>	(Many) Exclusion definition "à la" Ant.

module 表示一个Maven项目

No description.

Attribute	Type	Description
<code>id</code>	<code>String</code>	The <code>module</code> 's <u>artifactId</u> .
<code>dir</code>	<code>String</code>	The module's <u>directory</u> .
<code>name</code>	<code>String</code>	The module's <u>name</u> .

Element	Type	Description
<code>fileSets/fileSet*</code>	<code>List<FileSet></code>	(Many) <code>File sets</code> definition.
<code>modules/module*</code>	<code>List<ModuleDescriptor></code>	(Many) <code>Modules</code> definition.