maven properties

7.1 Variables in Maven – properties

Frequently encountered parameters Maven allows you to put into variables. This is very useful when you need to match the parameters in different parts of the pom file. For example, you can put the Java version, library versions, paths to certain resources into a variable.

```
<variable-name> _ _ _ meaning< / variable name > _
```

Example:

Variables are accessed using a different syntax:

```
$ { variable -name } _
```

Where such code is written, Maven will substitute the value of the variable.

Example:

```
<dependencies>
   <dependency>
       <groupId>junit
       <artifactId>junit</artifactId>
       <version>${junit.version}</version>
       <scope>test</scope>
   </dependency>
</dependencies>
<build>
   <finalName>${project.artifactId}</finalName>
   <plugin>
       <groupId>org.apache.maven.plugins
       <artifactId>maven-compiler-plugin</artifactId>
       <version>2.3.2
       <configuration>
           <source>${maven.compiler.source}</source>
           <target>${maven.compiler.target}</target>
       </configuration>
   </plugin>
</build>
```

7.2 Predefined variables in Mayen

When describing a project in a pom file, you can use predefined variables. They can be conditionally divided into several groups:

- Built-in project properties;
- Project properties;
- Settings.

There are only two built-in project properties:

Property	Description
\${basedir}	project root directory where pom.xml
\${version}	artifact version; can be used \${project.version} or \${pom.version}

Project properties can be referenced using the "project" or prefixes "pom". We have four of them:

Property	Description
\${project.build.directory}	«target» project directory
\${project.build.outputDirectory}	«target» compiler directory. Default «target/classes»
\${project.name}	name of the project
\${project.version}	project version

Properties settings.xmlcan be accessed using the prefix settings. Names can be anything - they are taken from settings.xml. Example:

 ${\rm settings.localRepository}\}$ sets the path to the local repository.