Maven Plugins

The **maven plugins** are central part of maven framework, it is used to perform specific goal.

According to Apache Maven, there are 2 types of maven plugins.

1. Build Plugins
2. Reporting Plugins

Build Plugins

These plugins are executed at the time of build. These plugins should be declared inside the **<build>** element.

Reporting Plugins

These plugins are executed at the time of site generation. These plugins should be declared inside the **<reporting>** element.

Maven Core Plugins

A list of maven core plugins are given below:

|  |  |
| --- | --- |
| **Plugin** | **Description** |
| clean | clean up after build. |
| compiler | compiles java source code. |
| deploy | deploys the artifact to the remote repository. |
| failsafe | runs the JUnit integration tests in an isolated classloader. |
| install | installs the built artifact into the local repository. |
| resources | copies the resources to the output directory for including in the JAR. |
| site | generates a site for the current project. |
| surefire | runs the JUnit unit tests in an isolated classloader. |
| verifier | verifies the existence of certain conditions. It is useful for integration tests. |

List of Maven Plugins

To see the list of maven plugins, you may visit apache maven official website <http://repo.maven.apache.org/maven2/org/apache/maven/plugins/>. Maven plugins are also available outside the maven at **codehaus.org** and **code.google.com**.