

### Cleanup commands

**mvn clean** Delete target folder in the project including submodule's ones

### Compile commands

**mvn clean compile** Compile all code without running any test

**mvn clean test** Compile source code and test code and executes Unit Test

**mvn clean package** Compile source code and test code, executes unit test, if all tests pass, it package compiled code in output archive

**mvn clean verify** Compile source/test code, executes unit test, package compiled code and then executes Integration tests

### Deploy commands

**mvn clean install** Executes full compile steps and, if all test are succesful, deploy the resulting artifact into local maven repository

**mvn clean deploy** Executes full compile steps and, if all test are succesful, deploy the resulting artifact into local maven repository and deploy to remote maven repository if configured

### Resolution commands

**mvn dependency:tree** Resolves and displays the dependency tree for this project including submodules

**mvn help:effective-pom** Resolves and display the full pom hierarchy and displays it as a single pom

### Additional options

**-U** Re-evaluate SNAPSHOT dependencies. If a newer snapshot is found on the repository it will be re-downloaded. Uneffective for stable versions

**-Dmaven.test.skip=true** Skip test execution phase

**-skipTests** Alias for -Dmaven.test.skip=true

**-P\${PROFILENAME}** Run the maven build with \${PROFILENAME} profile

**-o** Offline mode, run the build as if no network connection is available

**-pl \${MODULE1},\${MODULE2}** Run the build just on the given list of submodule. It can be a comma separated list of submodules directory or groupId:artifactId values

**-s \${SETTINGS\_XML\_FILE}** Provides an alternative file for local settings. Default settings file is ~/.m2/settings.xml



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Maven Lifecycle			
Clean Lifecycle	Default Lifecycle		Site Lifecycle
pre-clean	validate	test-compile	pre-site
<b>clean</b>	initialize	process-test-classes	<b>site</b>
post-clean	generate-sources	test	post-site
	process-sources	prepare-package	site-deploy
	generate-resources	<b>package</b>	
	process-resources	pre-integration-test	
	<b>compile</b>	integration-test	
	process-classes	post-integration-test	
	generate-test-sources	verify	
	process-test-sources	<b>install</b>	
	generate-test-resources	<b>deploy</b>	
	process-test-resources		

Remember that to trigger a lifecycle phase you must traverse all previous phases within the same lifecycle.



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