

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 hierarcy 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 stables versions

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

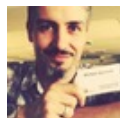
-skipTests Alias for -Dmaven.test.skip=true

-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
clean	initialize	process-test-classes	site
post-clean	generate-sources	test	post-site
	process-sources	prepare-package	site-deploy
	generate-resources	package	
	process-resources	pre-integration-test	
	compile	integration-test	
	process-classes	post-integration-test	
	generate-test-sources	verify	
	process-test-sources	install	
	generate-test-resources	deploy	
	process-test-resources		

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



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