## Default Lifecycle

| Phase | Default Binding | Default Binding |
|---|---|---|
| validate | | validate the project is correct and all necessary information is available. |
| initialize | | initialize build state, e.g. set properties or create directories. |
| generate-sources | | generate any source code for inclusion in compilation. |
| process-sources | | process the source code, for example to filter any values. |
| generate-resources | | generate resources for inclusion in the package. |
| **process-resources** | **resources:resources** | copy and process the resources into the destination directory, ready for packaging. |
| **compile** | **compiler:compile** | compile the source code of the project. |
| process-classes | | post-process the generated files from compilation |
| generate-test-sources | | generate any test source code for inclusion in compilation. |
| process-test-sources | | process the test source code, for example to filter any values. |
| generate-test-resources | | create resources for testing. |
| **process-test-resources** | **resources:testResources** | copy and process the resources into the test destination directory. |
| **test-compile** | **compiler:testCompile** | compile the test source code into the test destination directory |
| process-test-classes | | post-process the generated files from test compilation |
| **test** | **surefire:test** | run unit tests using a suitable unit testing framework. |
| prepare-package | | perform any operations necessary to prepare a package before the actual packaging. |
| **package** | **jar:jar** *or* **war:war** | take the compiled code and package it in its distributable format, such as a JAR. |
| pre-integration-test | | perform actions required before integration tests are executed. |
| integration-test | | execute integration tests. |
| post-integration-test | | perform actions required after integration tests have been executed. |
| verify | | run any checks on results of integration tests to ensure quality criteria are met |
| **install** | **install:install** | install the package into the local repository, for use as a dependency in other projects locally. |

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## Default Lifecycle (cont)

| | | |
|---|---|---|
| **deploy** | **deploy:deploy** | copies the final package to the remote repository for sharing with other developers and projects. |

## Clean Lifecycle

| Phase | Default Binding | Description |
|---|---|---|
| pre-clean | | execute processes needed prior to the actual project cleaning |
| **clean** | **clean:clean** | remove all files generated by the previous build |
| post-clean | | execute processes needed to finalize the project cleaning |

## Site Lifecycle

| | | |
|---|---|---|
| pre-site | | execute processes needed prior to the actual project site generation |
| **site** | site:site | generate the project's site documentation |
| post-site | | execute processes needed to finalize the site generation, and to prepare for site deployment |
| **site-deploy** | site:deploy | deploy the generated site documentation to the specified web server |