# Gradle JVM build tool

## CONCEPTS

Use ./gradlew (the wrapper) instead of a global gradle: it pins the version the project was built with.

Tasks run with their dependencies, and up-to-date tasks are skipped. Use --rerun-tasks to force everything.

## RUN TASKS

**./gradlew** *<task>*
Run a task and its dependencies

**./gradlew** *<task1>* *<task2>*
Run several tasks in order

**./gradlew build**
Assemble and run all checks

**./gradlew check**
Run all verification tasks

**./gradlew run**
Assemble and run the application

**./gradlew clean**
Delete the build directory contents

**./gradlew clean build**
Rebuild from scratch

**./gradlew :***<sub>*:*<task>*
Run a task in one subproject

**./gradlew** *<task>* **-x** *<name>*
Skip a task, even if others need it

**./gradlew** *<task>* **--continue**
Keep going after a failure

**./gradlew** *<task>* **-t**
Re-run when inputs change

**./gradlew** *<task>* **--rerun-tasks**
Ignore up-to-date checks

## TESTING

**./gradlew test**
Run all tests

**./gradlew test --tests** *<Class>*
Run one test class

**./gradlew test --tests** *<Class>*.*<method>*
Run one test method

**./gradlew test -i**
Show test output in the console

## OPTIONS

**-i / --info**
Log at info level

**-s / --stacktrace**
Print stack traces for user errors

**--scan**
Create a Build Scan

**--offline**
Do not use the network

**-U / --refresh-dependencies**
Refresh dependency state

**--parallel**
Build projects in parallel

**--build-cache**
Enable the build cache

**-P***<prop>*=*<value>*
Set a project property

## DAEMON

**./gradlew --stop**
Stop all daemons

## INSPECT

**./gradlew tasks**
List main tasks

**./gradlew tasks --all**
Include tasks of all groups

**./gradlew projects**
List subprojects as a tree

**./gradlew dependencies**
Dependency tree per configuration

**./gradlew dependencyInsight --dependency** *<name>* **--configuration** *<cfg>*
Explain why a dependency is there

## SETUP AND WRAPPER

**gradle init**
Create a new build interactively

**gradle wrapper**
Generate gradlew and wrapper files

**gradle wrapper --gradle-version** *<ver>*
Pin or upgrade the wrapper version

**./gradlew --version**
Show the Gradle version in use