**Gradle**

**Pros**

* Open source
* Easy to migrate from maven to other build tools.
* Supports multi-build projects.
* Uses groovy - offers great flexibility.
* Highly customisable
* Good documentation
* Great performance

**Cons**

* Not an integration server
* Config can be difficult.
* Fewer plugins compared to other tools.
* Steep learning curve
* Unexpected side-effects, behaviour, and interdependencies between plugins

**Features**

* Structured builds
* Scales well
* Deep API
* Many ways to manage dependencies.
* Declarative builds and build-by-convention.

Declarative builds

* Don’t specify each step that needs to be done.
* Define plugins or tasks to do, then gradle builds a task execution graph and figures out the order itself

Build-by-convention

* Follows default convention – simple builds.
* Can change source directory but no need to explicitly state it, Gradle has logical defaults.