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🐘 **Gradle** Build Tool

Installation

The current Gradle release is 5.6.2. You can download binaries and view docs for all Gradle versions from the releases page.

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Prerequisites

Gradle runs on all major operating systems and requires only a Java JDK or JRE version 8 or higher to be installed. To check, run `java -version`:

```
$ java -version
java version "1.8.0_121"
```

Additional resources

- On-demand and live online training is available for free to Gradle users.
- Self-paced tutorials are a good place to try Gradle with a variety of languages in addition to the docs.
- Gradle has a new visual build inspection tool called build scans.
- Finally, the Gradle Newsletter is a great way to keep `UP-TO-DATE`, with issues crafted monthly.

Installing with a package manager

SDKMAN! is a tool for managing parallel versions of multiple Software Development Kits on most Unix-based systems.

```
$ sdk install gradle 5.6.2
```

Homebrew is "the missing package manager for macOS".

```
$ brew install gradle
```

Other package managers are available, but the version of Gradle distributed by them is not controlled by Gradle, Inc. Linux package managers may distribute a modified version of Gradle that is incompatible or incomplete when compared to the official version (available from SDKMAN! or below).

› Additional helpful information

Installing manually

Step 1. Download the latest Gradle distribution

The current Gradle release is version 5.6.2, released on 05 Sep 2019. The distribution zip file comes in two flavors:

- Binary-only
- Complete, with docs and sources

If in doubt, choose the binary-only version and browse docs and sources online.

Need to work with an older version? See the releases page.

Step 2. Unpack the distribution

Linux & MacOS users

Unzip the distribution zip file in the directory of your choosing, e.g.:

```
$ ls /opt/gradle/gradle-5.6.2
LICENSE  NOTICE  bin  getting-started.html  init.d  lib  media
```

Microsoft Windows users

Create a new directory `C:\Gradle` with **File Explorer**.

Open a second **File Explorer** window and go to the directory where the Gradle distribution was downloaded. Double-click the ZIP archive to expose the content. Drag the content folder `gradle-5.6.2` to your newly created `C:\Gradle` folder.

Alternatively you can unpack the Gradle distribution ZIP into `C:\Gradle` using an archiver tool of your choice.

Step 3. Configure your system environment

Linux & MacOS users

Configure your `PATH` environment variable to include the `bin` directory of the unzipped distribution, e.g.:

```
$ export PATH=$PATH:/opt/gradle/gradle-5.6.2/bin
```

Microsoft Windows users

In **File Explorer** right-click on the `This PC` (or `Computer`) icon, then click `Properties` -> `Advanced System Settings` -> `Environmental Variables`.

Under `System Variables` select `Path`, then click `Edit`. Add an entry for `C:\Gradle\gradle-5.6.2\bin`. Click OK to save.

Step 4. Verify your installation

Open a console (or a Windows command prompt) and run `gradle -v` to run gradle and display the version, e.g.:

```
$ gradle -v

------------------------------------------------------------
Gradle 5.6.2
------------------------------------------------------------
```

Upgrade with the Gradle Wrapper

If your existing Gradle-based build uses the Gradle Wrapper, you can easily upgrade by running the `wrapper` task, specifying the desired Gradle version:

```
$ ./gradlew wrapper --gradle-version=5.6.2 --distribution-type=bin
```

Note that it is not necessary for Gradle to be installed to use the Gradle wrapper. The next invocation of `gradlew` or `gradlew.bat` will download and cache the specified version of Gradle.

```
$ ./gradlew tasks
Downloading https://services.gradle.org/distributions/gradle-5.6.2-bin.zip
...
```

› Additional helpful information

Older Releases

You can find all releases and their checksums on the releases page.

Command-Line Completion

Command-line completion scripts are available for bash and zsh. This provides completion for Gradle tasks and command-line options.

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