



Module Checklist **Build Tools & Package Manager**

By TechWorld with Nana



Video Overview

- ★ Introduction to Build and Package Manager Tools
- ★ Install Build Tools
- ★ Windows Installation Help - Part 1
- ★ Windows Installation Help - Part 2
- ★ MacOS/Unix Installation Help
- ★ Build Artifact
- ★ Build Tools for Development (Managing Dependencies)
- ★ Run/Start the application
- ★ Build JavaScript applications
- ★ Other Programming Languages
- ★ Publish Artifact
- ★ Build Tools & Docker
- ★ Build Tools & DevOps

Check your progress... 1/3

Introduction to Build & Package Manager Tools

- ☒ Watched video

Install Build Tools

- ☒ Watched video
- ☒ Go to Windows or MacOS/Unix Installation Help

Useful Links:

- Maven: <https://maven.apache.org/install.html>
- Gradle: <https://gradle.org/install/>
- Node.js: <https://nodejs.org/en/download/> - npm is distributed with Node.js

Windows Installation Help - Part 1 + 2

- ☒ Watched video
- ☒ Installed everything

Useful Links:

- Java on Windows:
<https://docs.oracle.com/en/java/javase/17/install/installation-jdk-microsoft-windows-platforms.html#GUID-0DB9580B-1ACA-4C13-8A83-9780BEDF30BB>

MacOS/Unix Installation Help

- ☒ Watched video
- ☒ Installed everything

Useful Links:

- Homebrew Package Manager: <https://brew.sh/>
- Java on Mac/Linux: Install using your OS package manager (e.g. brew)

Check your progress... 2/3



Build Artifact

- ☐ Watched video
- ☒ **Demo executed**
 - ☐ Built Java Gradle Project
 - ☐ Built Java Maven Project

Build Tools for Development

- ☐ Watched video
- ☒ **Demo executed** - add a new dependency to project

Run the application

- ☐ Watched video
- ☒ **Demo executed**

Build JavaScript applications

- ☐ Watched video
- ☒ **Demo executed**

Other Programming Languages

- ☐ Watched video

Publish artifact

- ☐ Watched video

Check your progress... 3/3



Build Tools & Docker

☐ Watched video

Build Tools & DevOps

☐ Watched video

More Resources...

Build Tools & Package Manager for different Programming Languages

- **Java:** maven | gradle
- **JavaScript:** npm | yarn | webpack
- **Python:** pip
- **C/C++:** conan
- **C#:** NuGet
- **Golang:** dep
- **Ruby:** RubyGems



Useful Links

- Maven Repository: <https://mvnrepository.com/>
- NPM Repository: <https://www.npmjs.com/package/repository>