



Tools Checklist

# Bootcamp Tools - Installations

By Techworld with Nana

# Bootcamp Tool Installation Links

Note: It's highly recommended to **use an installer/package manager** for installing the different tools, when available. Instead of installing the tools manually. If not available, follow the installation guides in the links.

## Installer/Package Manager: Homebrew, Chocolatey

With this package manager tool you can install many other tools we will use throughout the bootcamp. So install one right at the beginning.

- Homebrew for macOS (or Linux): <https://brew.sh/>
- Chocolatey for Windows: <https://chocolatey.org/>
- Linux has apt-get or yum package-manager already available
- Another alternative: Using Brew on Windows 10:  
<https://medium.com/@edwardbaeg9/using-homebrew-on-windows-10-with-windows-subsystem-for-linux-wsl-c7f1792f88b3>

**When needed?** Right at the beginning

## Code Editor: IntelliJ IDEA

- Download: <https://www.jetbrains.com/idea/download/>
- Alternative, e.g. Visual Studio Code: <https://code.visualstudio.com/download>

**When needed?** Build Tools & Package Manager and afterwards

## Git CLI

- Git Command Line Tool:  
<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
- Git Bash for Windows: <https://gitforwindows.org/>

**When needed?** Version Control with Git and afterwards

# Bootcamp Tool Installation Links

## Java - OpenJDK

- macOS: <https://mkyong.com/java/how-to-install-java-on-mac-osx/>
- Linux: <https://itsfoss.com/install-java-ubuntu/>
- Windows: [https://www3.ntu.edu.sg/home/ehchua/programming/howto/JDK\\_Howto.html](https://www3.ntu.edu.sg/home/ehchua/programming/howto/JDK_Howto.html)

**When needed?** Build Tools & Package Manager and afterwards

## Build Tools: maven, gradle, node, npm

- Maven: <https://maven.apache.org/install.html>
- Node.js: <https://nodejs.org/en/download/>

npm is distributed with Node.js

- Gradle: <https://gradle.org/install/>

**When needed?** Build Tools & Package Manager and afterwards

## Docker and Docker-Compose

- Docker: <https://docs.docker.com/get-docker/>
- docker-compose: <https://docs.docker.com/compose/install/>

**When needed?** Containers with Docker and afterwards



# Bootcamp Tool Installation Links

## AWS CLI, AWS-IAM-AUTHENTICATOR, EKSCTL

- AWS CLI: <https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html>
- Eksctl: <https://eksctl.io/introduction/#installation>
- Aws-iam-authenticator: <https://docs.aws.amazon.com/eks/latest/userguide/install-aws-iam-authenticator.html>

**When needed?** AWS Services and afterwards

## Minikube, kubectl

- Minikube: <https://minikube.sigs.k8s.io/docs/start/>
- kubectl: <https://kubernetes.io/docs/tasks/tools/install-kubectl/>

**When needed?** Container Orchestration with Kubernetes and afterwards

## Terraform CLI

We need Terraform in the Infrastructure as Code module.

- Installation Guide: <https://learn.hashicorp.com/tutorials/terraform/install-cli>

**When needed?** IaaS and afterwards



# Bootcamp Tool Installation Links

## Python & PyCharm IDE

- Python: <https://www.python.org/downloads/>
- PyCharm Download: <https://www.jetbrains.com/pycharm/download/>

**When needed?** Programming Basics & Automation with Python

