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

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
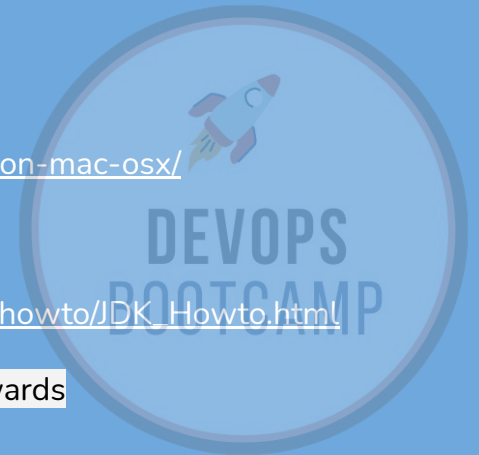
Bootcamp Tool Installation Links

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? IaaC 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