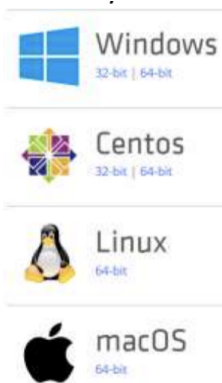# Installations checklist

1. Kubernetes
   a. install minikube
   b. install kubectl
   c. Follow installation steps here
   d. minikube start --cpus 4 --memory 8192 (only if possible) or
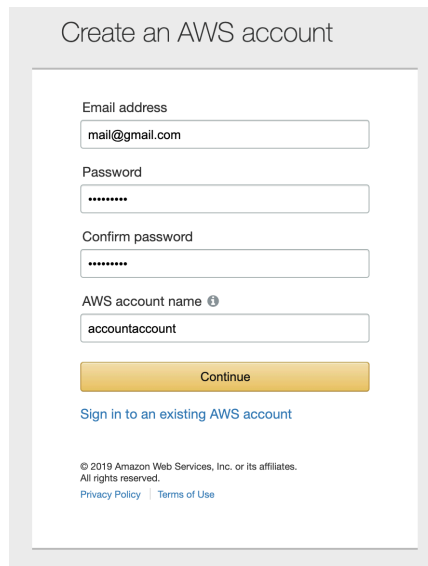   minikube start --cpus 2 --memory 4096
2. Vagrant
   a. Go to https://www.vagrantup.com/downloads.html
   b. Choose your OS to download:

   c. Follow the installation using defaults.
   d. Open a CMD / Terminal and run: vagrant –v
   e. Any response other than "vagrant is not recognized" is good.

3. AWS registration
   a. Go to aws.amazon.com
   b. Click "Create an AWS account"

   c. Click on "Continue"
   d. Continue and fill in everything and click to create an account.

4. Helm installation
   a. Go to https://github.com/helm/helm/releases
   b. Scroll down to "Installation and Upgrading"
   c. Click on the link that represents you operating system
   d. unzip the contents (helm[.exe]) file and place in an executable path:
      i. Linux - /usr/local/bin/
      ii. Windows - C:/Windows/System32/
   e. helm repo add stable https://kubernetes-charts.storage.googleapis.com
   f. helm repo update

5. Git and Git Bash
   a. Go to https://git-scm.com/downloads
   b. Choose your operating system here:

   c. For windows click on the executable file (for example: Git-2.24.1.2-32-bit.exe) to start installation, click on next, next and next and make sure git bash is installed.
   d. Open CMD / Terminal and run:

6. GitHub account
   a. Go to https://github.com/join

   b.

   Username *

   username12-3   ✓

   Email address *

   emailemail1@gmail.com   ✓

   Password *

   ••••••••

   c. Verify your account by trying to aligning the animals in the picture with the arrows
   d. Click "Next: Select a plan", Choose the "Free, $0" plan
   e. Complete setup.

7. DockerHub account
   a. Go to https://hub.docker.com/signup
   b. Enter username for docker hub as your "Docker ID", Email and Password
   c. Click to agree
   d. Hit the signup button

8. PyCharm
    a. Go to https://www.jetbrains.com/pycharm/download/
    b. Download the "Community edition" to your operating system (windows, linux or mac)

9. Python
    a. Go to https://www.python.org/downloads/
    b. Click on the download button:

    Download Python 3.8.0
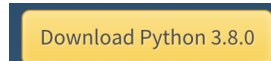
    c. Start the installation and click on next, next and next.

10. AWSCLI
    a. Go to https://docs.aws.amazon.com/cli/latest/userguide/install-cliv1.html
    b. Follow steps for installation according to your operating system
        i. Windows
        ii. Linux
        iii. MacOS

11. Putty
    a. For windows users, Go to:
    https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html
    b. Click the right link for download (32-bit or 64-bit)
    c. After download finish successful, click the MSI file and start the installation

12. Terraform
    a. Go to https://www.terraform.io/downloads.html
    b. Choose your operating system and CPU architecture (32-Bit or 64-Bit) and download.
    c. Unzip the downloaded zip and move the terraform binary to an executable path
        i. Windows - Place it under C:/Windows/System32
        ii. Linux / MacOS - Place is under /usr/local/bin/

13. Terraform PyCharm Plugin
    a. Windows: Go to File -> Settings
    b. Mac: PyCharm -> Preferences
    c. Select Plugins, Click on "Marketplace", Search for "HashiCorp Terraform / HCL language support"
    d. Click "Install"
    e. Close and reopen PyCharm

14. Snyk Registration
    a. Go to https://app.snyk.io/signup

b. Sign in with google account and finish registration
c. After Signup process is done successfully, go to https://app.snyk.io/account
d. Go to "API Token" Section, click show and save your API Key