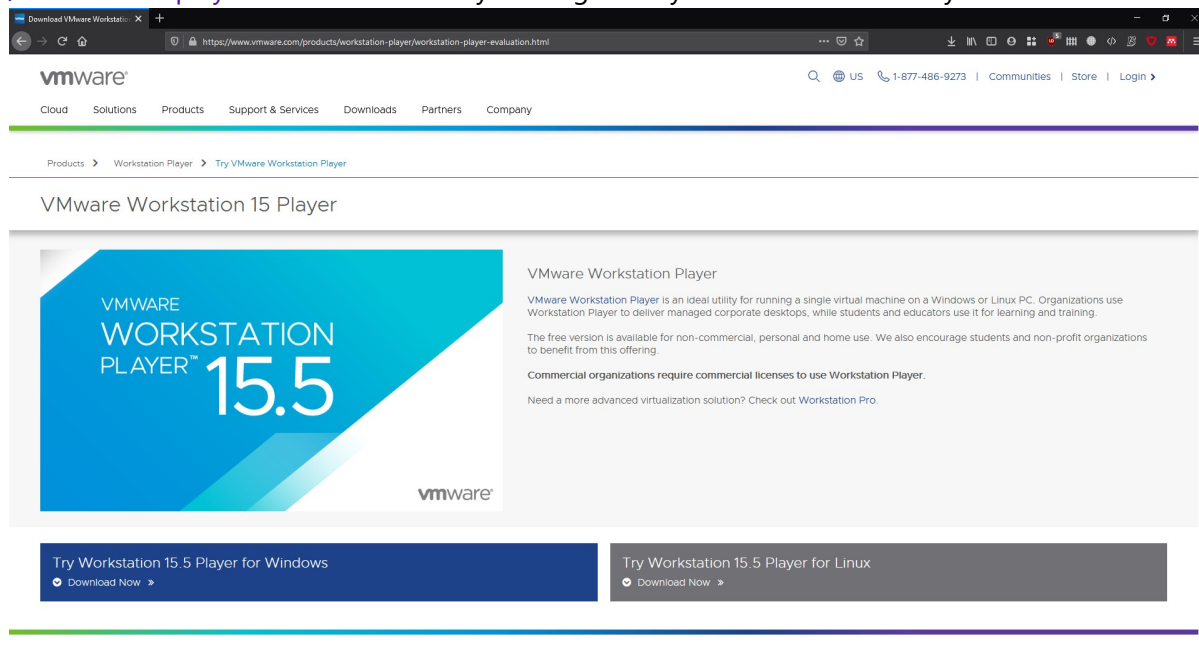# Installation manual

Windows

Windows users will have to enable Hyper-V in order to use to full power of Docker. **Therefore VirtualBox will NOT WORK ANYMORE**. VMWare will be used for virtual machines in the future. In case you still want to use virtualbox, you have two options:
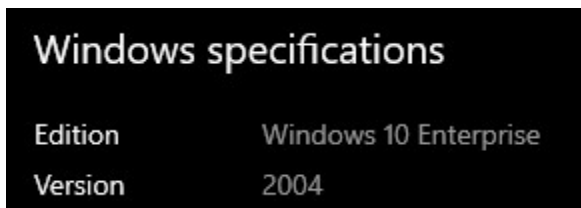
- You have enough RAM: you can use Docker toolbox, but this is at own risk. We will provide minimal support for this (but you can always ask us a question in case of problems). Make sure to search for "how to enlarge ram memory for Docker toolbox".
  - See https://github.com/crops/docker-win-mac-docs/wiki/Windows-Instructions-(Docker-Toolbox)

- You can enable a dual boot to choose between a Windows 10 with Hyper-V active and one without Hyper-V. This approach is not recommended, but if you want to, you can ask the lab responsibles for more information.

VMWare can be downloaded from https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html by clicking on "Try Workstation 15.5 Player for Windows"
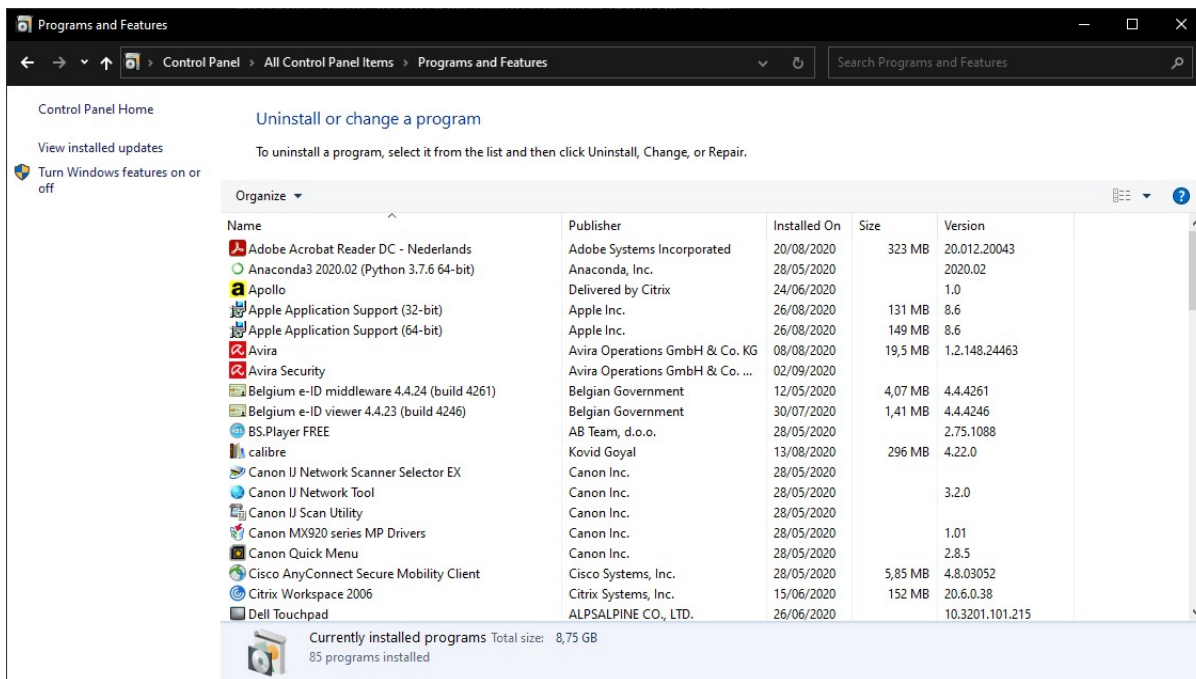

Requirements

- Windows 10 - version 2004: Download through https://www.microsoft.com/nl-nl/software-download/windows10 and follow to on-screen instructions
  - You can check your version through settings > system > about > "Windows Specications"

- Enable some Windows modules
    - Go to control panel (configuratiescherm) > Program and Features
    - On the left side you should see an option to "Turn Windows features on or off"

- Select the following features:
    - Containers
    - Hyper-V
    - Virtual Machine Platform
    - Windows Hypervisor Platform
    - Windows Subsystem for Linux

- Click on "OK" and these features will be installed on your PC. Some reboots will be required during the installation process.
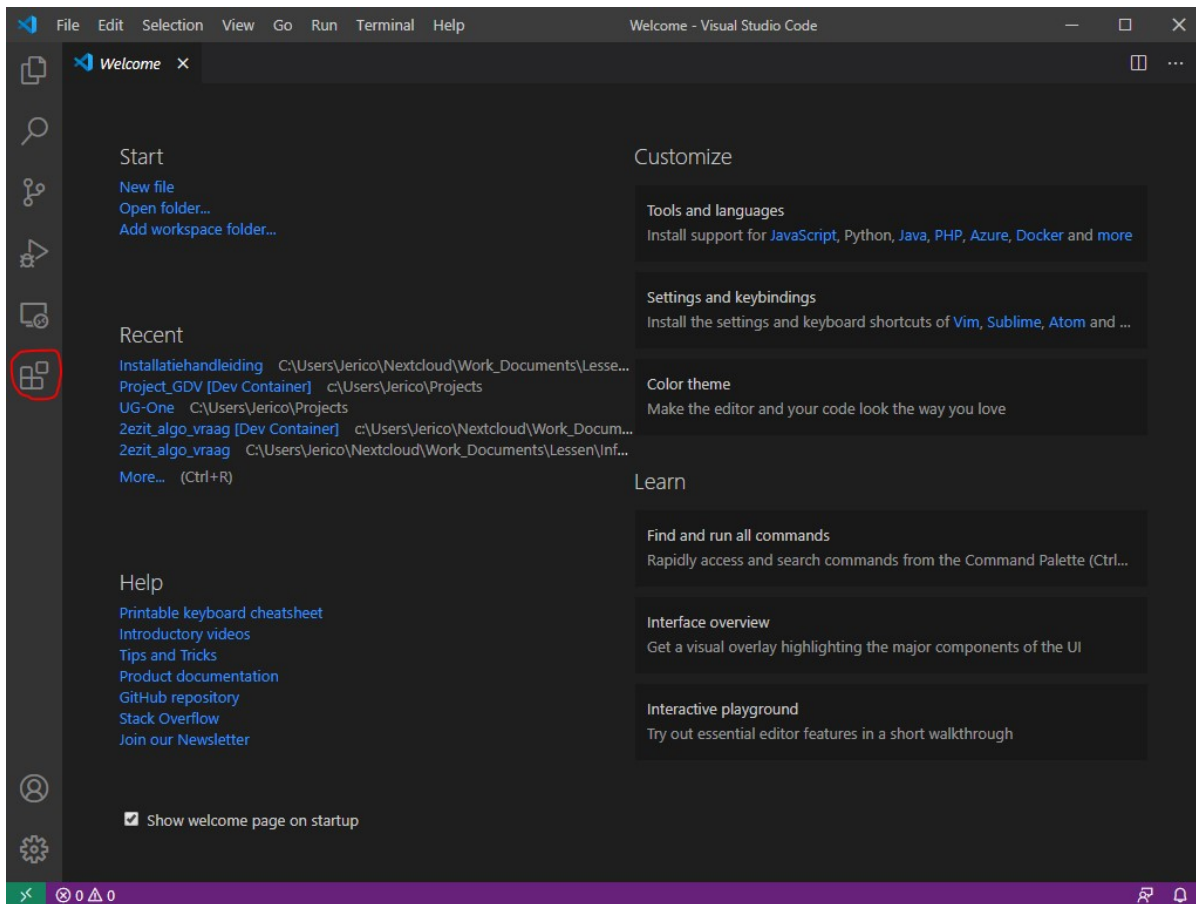
Docker installation

- Install Docker for Windows CE edition from:
    - https://docs.docker.com/docker-for-windows/install-windows-home/ for Windows 10 Home users
    - https://docs.docker.com/docker-for-windows/install/ for Windows 10 Enterprise or Pro users
    - Make sure to select the stable version

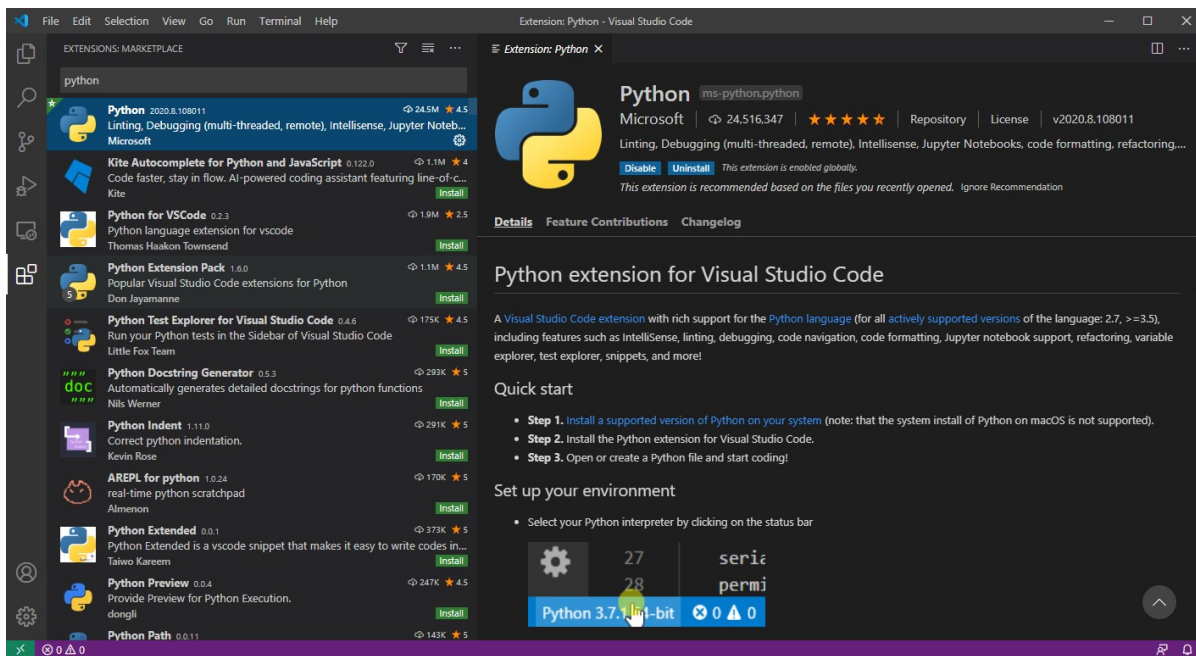- Follow to on-screen instructions

- ○ Make sure to enable the following option (already enabled by default): "Use the WSL 2 based engine"
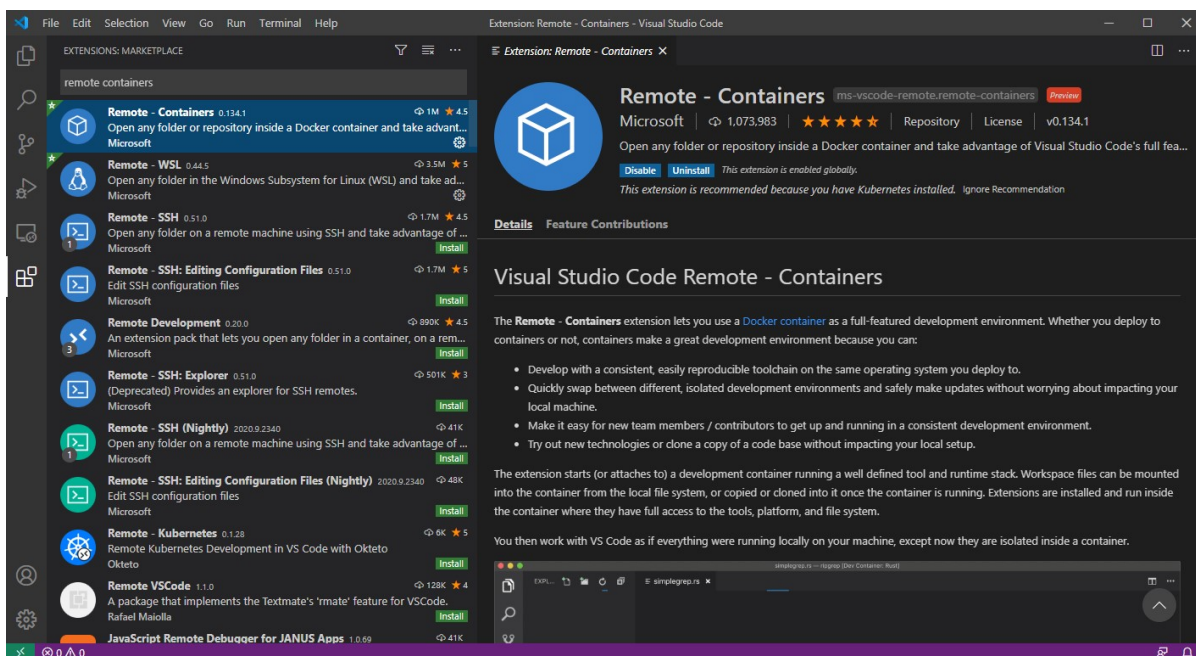- ○ Start Docker after the installation.

Visual Studio Code

- Download and install Visual Studio Code from https://code.visualstudio.com/
  - ○ Enable the option to add "code" to PATH

- Start Visual Studio Code
- Navigate to Extensions

- Search the Python extension and install

- Search for the Remote containers extension and install

You are now ready to start coding using Visual Studio Code and Docker!

MacOS

https://stackoverflow.com/questions/32834082/how-to-increase-docker-machine-memory-mac