

Installation Tutorial

The usage of OpenFoam 8® requires the following software. On the right side all commands and steps are listed in detail. The basic steps are:

- 1. UBUNTU 20.04
- 2. FFMEPG
- 3. OpenFoam8

On https://engineerdo.com you can find a video tutorial for the installation.

If you have problems during the installation or you wish to get the installation done by us, please get in touch with us: info@engineerdo.com

Hint:

It can be useful to install **VLC** aditionally to be able to play nearly every codec of videos.

sudo snap install vlc

UBUNTU

Download Ubuntu 20.04 and install on USB Stick Go to Bios \rightarrow boot from usb Install Ubuntu from stick

sudo apt-get update

sudo apt-get upgrade

FFMEPG

sudo apt-get install ffmpeg

OpenFoam8

sudo sh -c "wget -O - https://dl.openfoam.org/gpg.key | apt-key add -

sudo add-apt-repository http://dl.openfoam.org/ubuntu

sudo apt-get update

sudo apt-get -y install openfoam8

sudo gedit ~/../etc/bash.bashrc

source /opt/openfoam8/etc/bashrc

First Simulation

cd ~

mkdir engineerdo

cd ~/engineerdo

wget https://bit.ly/2H0xHAN

unzip 2H0xHAN.zip

cd Venturi

blockMesh

snappyHexMesh -overwrite

checkMesh

decomposePar

mpirun -np 2 pimpleFoam -parallel

paraview