

In this approach we try to compile the HULKS toolchain on a docker. This is our `docker-compose.yml`

```
1 version: "3"
2
3 volumes:
4   ubuntu-vol:
5
6 services:
7   ubuntu:
8     image: ubuntu:bionic
9     volumes:
10      - ubuntu-vol:/home
11     entrypoint: /bin/bash
12     stdin_open: true
13     tty: true
```

We log into our ubuntu with `docker exec -it [containername] /bin/bash`.

```
apt-get update
```

```
apt-get install git wget -y
```

From the HULKS-Team-Research-Report: You need these Packages to build the toolchain.

build-essentials (gcc, make, ...), git, automake, autoconf, gperf, bison, flex, texinfo, libtool, libtool-bin, gawk, libncursesX-dev, unzip, CMake, libexpat-dev, python2.7-dev, nasm, help2man, ninja

```
apt install build-essential -y
```

```
apt install automake autoconf -y
```

```
apt install gperf -y
```

```
apt install bison flex texinfo -y
```

```
apt install libtool libtool-bin gawk -y
```

Note: We are not entirely sure if `libncurses5-dev` is the correct package to satisfy `libncursesX-dev` but we think the X stands for a random Versionnumber and the n was forgotten.

```
apt install libncurses5-dev -y
```

```
apt install unzip cmake -y
```

Note: We are pretty sure, that `libexpat1-dev` is the correct package for `libexpat-dev`.

```
apt install libexpat1-dev -y
```

```
apt install python2.7-dev nasm help2man -y
```

Note: We think `ninja-build` is the correct package for `ninja`.

```
apt install ninja-build -y
```

Our working directory will be `/home/docker` as `docker`

```
useradd docker
usermod -s /bin/bash docker
mkdir /home/docker
chown docker:docker /home/docker
cd /home/docker
```

```
git clone https://github.com/Obyoxar/HULKsCodeRelease.git
```

```
cd /home/docker/HULKsCodeRelease/tools/ctc-hulks
```

```
./0-clean
```

Note: Before we can init the setup script, we need to create a folder `ctc-hulks-config`.

```
mkdir ctc-hulks-config
```

```
touch ctc-hulks-config/.config
```

```
./1-setup
```

```
./2-setup
```