

Assignment 1: Software engineering for robots

a.

I change some commands in the *Dockerfile*.

In the folder *opendlv-logic-primechecker_A1a_codes*

1. I use *ubuntu:22.04* as the builder and I use *apk* instead of *apt-get* to install packages.
2. I delete *RUN apk update && * and *apt-get install libcluon* to install *libcluon*.

```
apk --no-cache add \
```

```
libstdc++
```

3. In Deploy part, I add *WORKDIR /opt/sources* to let the Docker run starting from the */opt/sources* folder

b.

My *b* and *c* source code are in the *opendlv-logic-tianshuo_A1b&c_codes* folder and there are comments for the code inside

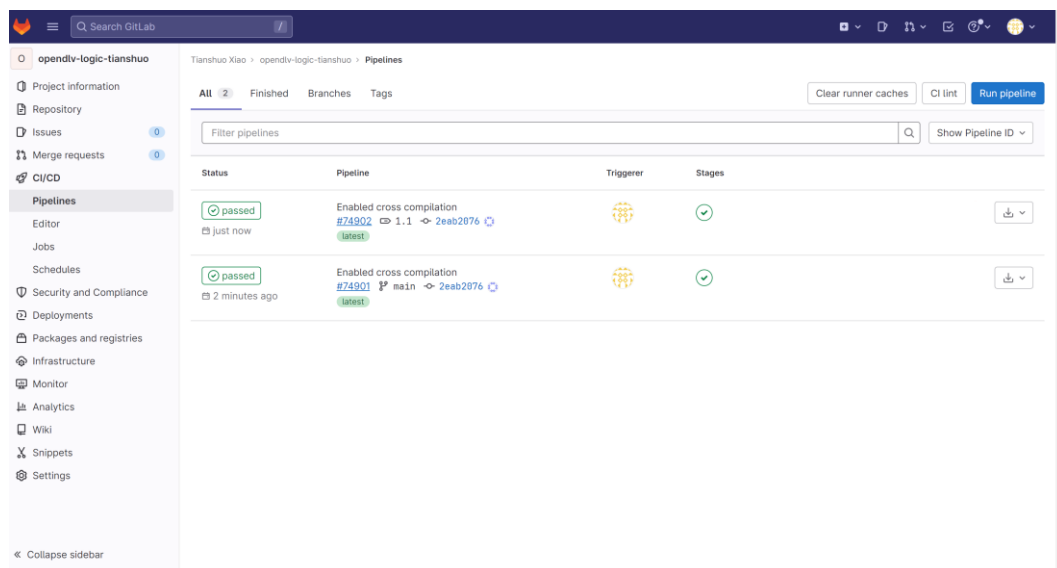
c.

In order to run my microservice, you can type the following command:

```
docker run --rm -ti --net=host registry.git.chalmers.se/tianshuo/opendlv-logic-tianshuo:1.1
```

The screenshots as following:

Pipeline



GitLab container registry

opendlv-logic-tianshuo ⓘ

2 tags Cleanup disabled Last updated 23 minutes ago

☐ 2 tags

☐ 1.1 0 bytes

Published just now
Digest: Not applicable.

☐ latest 6.91 MiB

Published 39 minutes ago
Digest: 0f40b0c

Enabled cross compilation
tianshuo authored 7 minutes ago

☒ 2eab2076

Name	Last commit	Last update
.gitlab-ci.yml	Enabled cross compilation	7 minutes ago
CMakeLists.txt	A1	53 minutes ago
Dockerfile	A1	11 minutes ago
README.md	Readme document	1 week ago
cluon-complete.hpp	A1	53 minutes ago
messages.odvd	A1	53 minutes ago
opendlv-logic-tianshuo.cpp	A1	53 minutes ago

README.md

opendlv-logic-tianshuo

Assignment 1 OpenDLV microservice

Two terminals' results

