



Installing ACS with docker in 6 steps

(Ubuntu 20.04)

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Install dependencies

```
sudo apt update

# git LFS
sudo apt install git-lfs

# docker
sudo apt install apt-transport-https ca-certificates curl software-properties-common
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"
sudo apt install docker-ce
sudo usermod -aG docker ${USER}

# docker compose
sudo curl -L "https://github.com/docker/compose/releases/download/1.27.4/docker-compose-$(uname
-s)-$(uname -m)" -o /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose
```

Configure container environment

```
# clone repository
git clone https://bitbucket.alma.cl/scm/asw/acs.git

# set .env
id $USER
cd acs/Virtualization/Docker/Dev/
sudo nano .env
```

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Example .env

```
USER_NAME=my_user
GROUP_NAME=my_group
USER_ID=1000
GROUP_ID=1000
ALMA_DIR=/acs/docker/alma # ACS installation volume
HOME_DIR=/acs/docker/home # container's home volume
REPO_DIR=/absolute/path/to/cloned/repo
IMAGE_OS=stream8
CONTAINER_DIR=stream8
```

Run ACS container

```
# create directories
sudo mkdir -p /acs/docker/alma /acs/docker/home

# run container
cd acs/Virtualization/Docker/Dev/
docker-compose run -d --name acs_stream8 stream8

# set ownership for directories
sudo chown -R $USER:$USER /acs
```

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Install external products

```
# open a terminal inside the container
docker exec -it acs_stream8 bash

# then inside the container run
source /Repos/LGPL/acsBUILD/config/.acs/.bash_profile.acs
cd /Repos/ExtProd/INSTALL
make all
```

Build ACS

After installing external products, **log into a new terminal** inside your container (in order to load external products correctly, e.g. Python), and build ACS.

```
# build ACS
cd /Repos
make build

# check if ACS is correctly installed
acsStart
```

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