Docker / ShareLatex Server Installation for Ubuntu-Linuxsystems

To whom it may concern...
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In this document you will find a snapshot of a complete Docker / Sharelatexserver installation for Ubuntu-Linux systems. This installation protocol refers to "Elementary OS". This Linux system looks very elegant. Elementary OS is a beautiful Linuxsystem which looks like Mac OSX.

https://elementary.io/de/

Snap is a packagemanager which installs Software on Ubuntu systems. Snap can be installed on elementary OS (or any Ubuntu based Linux systems) from the command line:
// is a comment, do not type this on the command line !

//Update Ubuntu system
```
sudo apt update
```
//install package manger snapd
```
sudo apt install snapd
```
//install docker
```
sudo snap install docker
```
//set path for snapd
```
PATH=/snap/bin:$PATH
```
//check if docker is installed
```
docker —version
```
//check if docker-compose is installed / important !
```
docker-compose —version
```

To download Sharelatex repositories you first have to register at https://hub.docker.com register and login. The current 2019 TexLive repository has been compiled by a user under the following name: flodointhecloud/sharelatex-texlive2019. You have to be logged in at https://hub.docker.com.

//pull the sharelatex-texlive2019 from gub.docker
```
sudo docker pull
flodointhecloud/sharelatex-texlive2019
```
//install the git command
```
sudo apt install git
```
//fetch the current community Overleaf sharelatex-Server
```
sudo git clone
```
https://github.com/sharelatex/sharelatex
//check if you have installed a sharelatex directory
```
ls
```
//check if you have installed a sharelatex directory
```
cd sharelatex
```
//check if you have the docker-compose.yml file
//contains settings for the Sharelatex server
//look at the settings
```
more docker-compose.yml
```

edit the "docker-compose.yml" file with sudo nano …
change the following line from
    image: sharelatex/sharelatex to
    image: flodointhecloud/sharelatex-texlive2019

//edit the file with nano-editor
```
sudo nano docker-compose.yml
```
//look at the settings if this line is now available:
// image: flodointhecloud/sharelatex-texlive2019
```
more docker-compose.yml
```
// now start the sharelatexserver

```
sudo docker-compose up
```

----

sharelatex server with mongo and redis etc. is running…
End of installation protocol

Sharelatex server is now running.
Open a second terminal window and install net-tools
```
    sudo apt install net-tools
```
This is necessary to make the command "ifconfig"
available. With "ifconfig" you can find out the ip-adress of
your running sharelatex server ...
Hint: you can not use the server at all if you have not
installed at least one user: the administrator user ...

To create the first admin user launch
```
    http://192.168.64.47/launchpad
```

After this other user can register. (Have not tried out yet)

Make sure to have a second terminal window is open
for using linux commands like ifconfig, ls, ps etc.
Don't close the sharelatex process window.
Sharelatex-server can be stopped with

```
    sudo docker stop
```

and started with
```
    sudo docker-compose up
```
from the sharelatex-directory

Enjoy!
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