**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

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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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