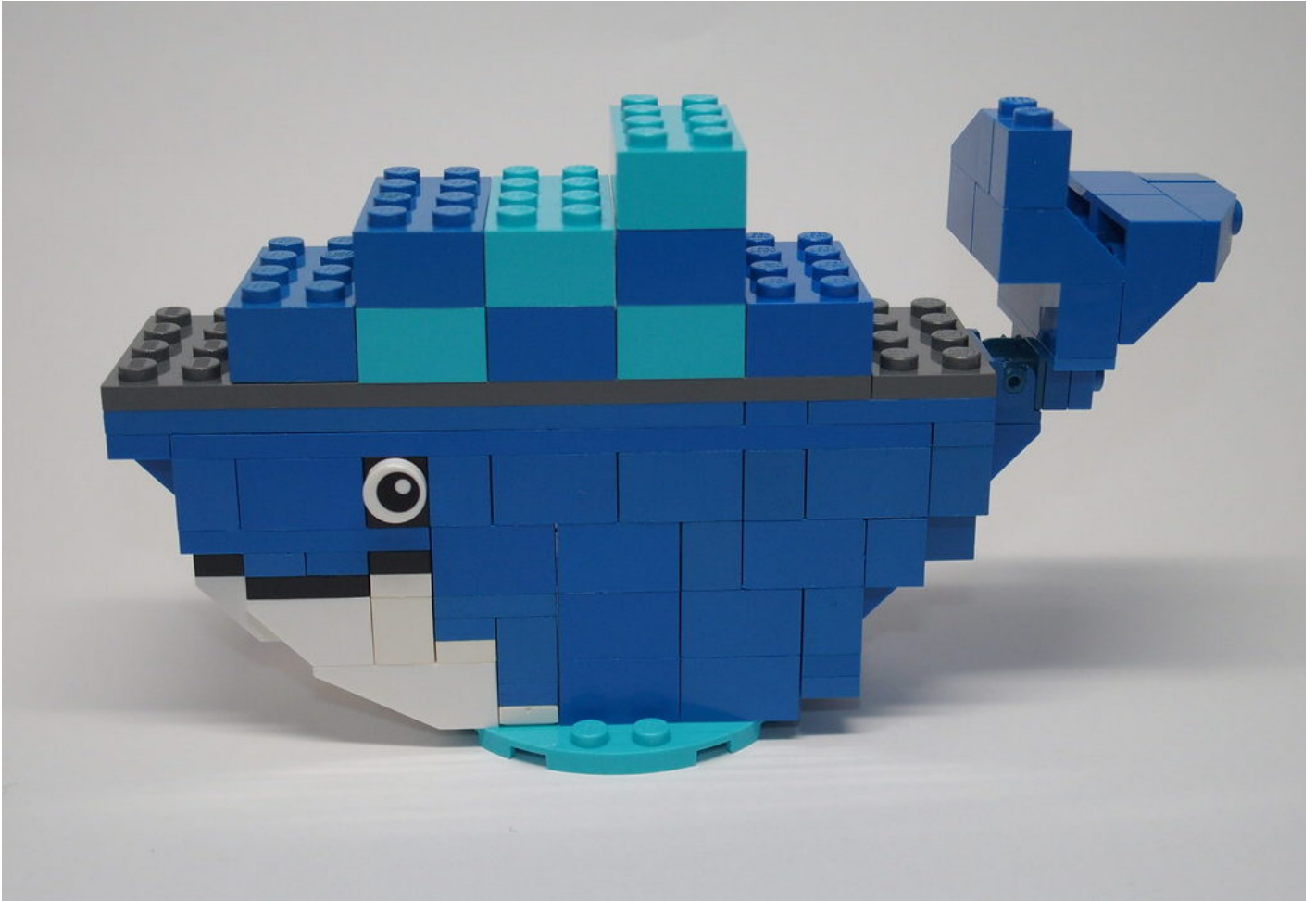


# Kako setovati Docker radno okruženje?



**NAPOMENA: Ovo i sva uputstva koja slede nisu oficijalna i moja su interpretacija originalne dokumentacije i uslova pod kojim se izvode. Tako da mogu i ne moraju da budu ispravna.**

Za testne potrebe rada pod dockerom podigao sam mint 19.2 cinamon na virtualboxu. Tako da ako želite da vam sve izgleda identično thats the way to go.

## Instalacija

Postoje nekoliko načina instalacije, biranje verzija blah blah. Mislim da je to previše za početnika. Idemo straight forward.

```
sudo apt update
```

```
apt install docker.io
apt install docker-compose
```

Posle uspešne instalacije oba paketa, ispalite

```
docker -v
```

```
Docker version 18.09.7, build 2d0083d
systemas@osboxes:/home/osboxes$
```

ovo je output kod mene

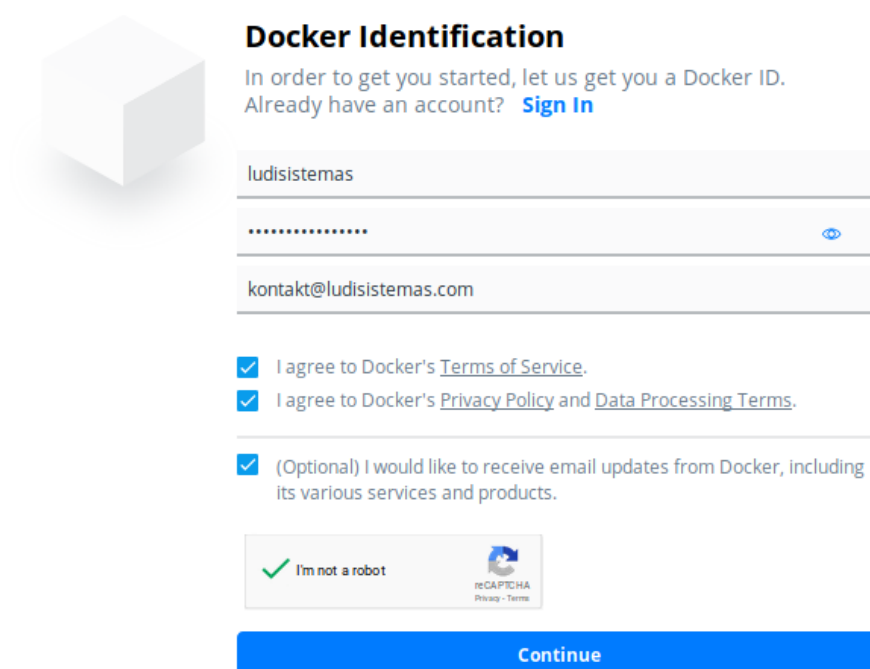
Prva komanda instalirala vam je Docker engine. Druga jedan jako koristan tool, koji će vam olakšati deployment kontejnera. Ali nećemo o tome sada.

## Registracija na docker hub

Sećate se onog cool mesta sa imidžima već spakovanih softvera, eee to je ovde.

<https://hub.docker.com/signup>

Za potrebe ovog tutorijala, napravih novi profil.



The screenshot shows the 'Docker Identification' registration page. On the left is a 3D cube icon. The main heading is 'Docker Identification'. Below it, the text reads: 'In order to get you started, let us get you a Docker ID. Already have an account? [Sign In](#)'. The form contains three input fields: a username field with 'ludisistemas', a password field with masked characters and an eye icon, and an email field with 'kontakt@ludisistemas.com'. Below the fields are three checked checkboxes: 'I agree to Docker's [Terms of Service](#).', 'I agree to Docker's [Privacy Policy](#) and [Data Processing Terms](#).', and '(Optional) I would like to receive email updates from Docker, including its various services and products.'. At the bottom left is a reCAPTCHA 'I'm not a robot' widget. A blue 'Continue' button is at the bottom center.

Na sledećoj stranici popunite kako god vam je volja. Nije za produkciju,

## Complete your profile

Tell us more about yourself.

## Tailor your experience

Tell us about your role and where you are in your container development journey.

Nakon toga, stigao vam je verifikacioni mail sa linkom na koji trebate kliknuti.

E sada se vraćamo nazad terminalu. I logujemo se na docker hub.

```
sudo docker login
```

Ulogujte sa sa kreiranim korisničkim imenom i lozinkom.

```
sistemas@sistemas-VirtualBox:~$ sudo docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: ludisistemas
Password:
WARNING! Your password will be stored unencrypted in /home/sistemas/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
sistemas@sistemas-VirtualBox:~$
```

Potencijalni problem: - `Error saving credentials`

```
sistemas@sistemas-VirtualBox:~$ sudo docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: ludisistemas
Password:
Error saving credentials: error storing credentials - err: exit status 1, out: 'Error calling StartServiceByName for org.freedesktop.secrets: GDBus.Error:org.freedesktop.DBus.Error.TimedOut: Failed to activate service 'org.freedesktop.secrets': timed out (service start timeout=120000ms)'
```

Rešenje;

```
sudo apt install gnupg2 pass
```

Kako bi testirali da li smo sve lepo setovali, hajde da svučemo jedan image.

```
sudo docker pull redis
```

Ako je sve prošlo kako treba, pokrenuće se download.

```
Using default tag: latest
latest: Pulling from library/redis
f5d23c7fed46: Pull complete
831c20fd50cb: Pull complete
bc2a0f25caa5: Pull complete
745ac314a007: Pull complete
6deeca231441: Pull complete
6291e84f5373: Pull complete
Digest: sha256:854715f5cd1b64d2f62ec219a7b7baceae149453e4d29a8f72cecb5ac51c4ad
Status: Downloaded newer image for redis:latest
```

Sada na vašem računaru imate image iz repozitorijuma REDIS koji je tagovan kao latest tj poslednji.

Znači **repozitorijum:tag** je **redis:latest** .

Na isti način možete pullovati neku stariju verziju redisa.

Probajte:

```
sudo docker pull redis:4.0
```

Da bi potvrdili koje image imamo u lokalno dovoljno je da ispalite:

```
sudo docker images
```

```
sistemas@sistemas-VirtualBox:~$ sudo docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
redis                4.0                ada9165ed5ce       9 days ago        89.2MB
redis                5.0                857c4ab5f029       9 days ago        98.2MB
redis                latest             857c4ab5f029       9 days ago        98.2MB
```

Ovo je moj listing. Ovde se vidi da imam 3 imidža. Ali pošto zadnje dve slike dele image ID.

Možemo zaključiti da je verzija 5.0 poslednja.

Toliko u ovom tutorijalu. U sledećem ću se malo skoncentrisati na komande. I šta se i kada koristi.

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