

1-Write an ansible playbook installs docker services on a remote host

2-Write an ansible playbook creates the postgres, and odoo container on a remote docker host you installed from step 1

```
$ sudo apt update
```

```
$ 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 -
```

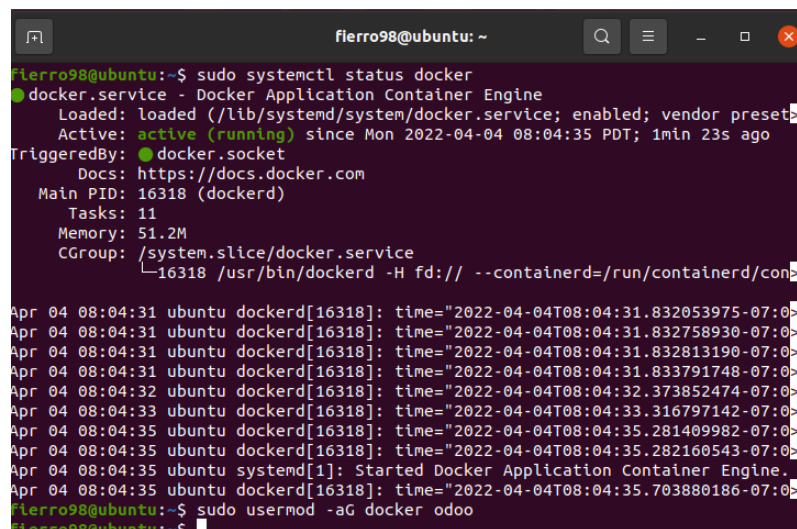
```
$ sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"
```

```
$ apt-cache policy docker-ce
```

```
$ sudo usermod -aG docker odoo
```

```
$ sudo apt install docker-compose docker-py
```

```
$ sudo systemctl status docker
```



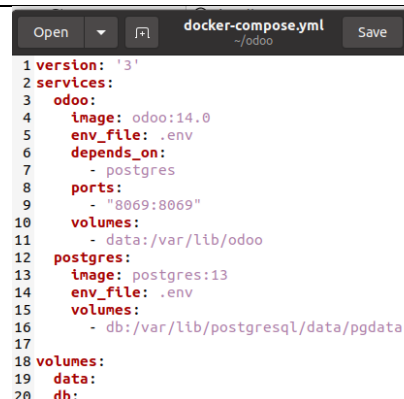
```
fierro98@ubuntu: ~  
fierro98@ubuntu:~$ sudo systemctl status docker  
● docker.service - Docker Application Container Engine  
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)  
   Active: active (running) since Mon 2022-04-04 08:04:35 PDT; 1min 23s ago  
 TriggeredBy: ● docker.socket  
    Docs: https://docs.docker.com  
   Main PID: 16318 (dockerd)  
     Tasks: 11  
    Memory: 51.2M  
   CGroup: /system.slice/docker.service  
           └─16318 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock  
  
Apr 04 08:04:31 ubuntu dockerd[16318]: time="2022-04-04T08:04:31.832053975-07:00" level=info msg="Starting  
Apr 04 08:04:31 ubuntu dockerd[16318]: time="2022-04-04T08:04:31.832758930-07:00" level=info msg="API  
Apr 04 08:04:31 ubuntu dockerd[16318]: time="2022-04-04T08:04:31.832813190-07:00" level=info msg="API  
Apr 04 08:04:31 ubuntu dockerd[16318]: time="2022-04-04T08:04:31.833791748-07:00" level=info msg="API  
Apr 04 08:04:32 ubuntu dockerd[16318]: time="2022-04-04T08:04:32.373852474-07:00" level=info msg="API  
Apr 04 08:04:33 ubuntu dockerd[16318]: time="2022-04-04T08:04:33.316797142-07:00" level=info msg="API  
Apr 04 08:04:35 ubuntu dockerd[16318]: time="2022-04-04T08:04:35.281409982-07:00" level=info msg="API  
Apr 04 08:04:35 ubuntu dockerd[16318]: time="2022-04-04T08:04:35.282160543-07:00" level=info msg="API  
Apr 04 08:04:35 ubuntu systemd[1]: Started Docker Application Container Engine.  
Apr 04 08:04:35 ubuntu dockerd[16318]: time="2022-04-04T08:04:35.703880186-07:00" level=info msg="API  
fierro98@ubuntu:~$ sudo usermod -aG docker odoo  
fierro98@ubuntu:~$
```

```
$ mkdir ~/odoo
```

```
$ cd ~/odoo
```

```
$ gedit docker-compose.yml
```

```
version: '3'  
services:  
  odoo:  
    image: odoo:14.0  
    env_file: .env  
    depends_on:  
      - postgres  
    ports:  
      - "8069:8069"  
    volumes:  
      - data:/var/lib/odoo  
  postgres:  
    image: postgres:13  
    env_file: .env  
    volumes:  
      - db:/var/lib/postgresql/data/pgdata  
  
volumes:  
  data:  
  db:
```

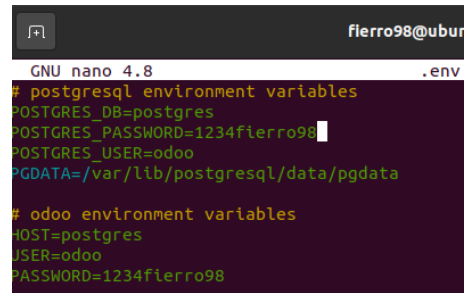


```
1 version: '3'  
2 services:  
3   odoo:  
4     image: odoo:14.0  
5     env_file: .env  
6     depends_on:  
7       - postgres  
8     ports:  
9       - "8069:8069"  
10    volumes:  
11      - data:/var/lib/odoo  
12  postgres:  
13    image: postgres:13  
14    env_file: .env  
15    volumes:  
16      - db:/var/lib/postgresql/data/pgdata  
17  
18 volumes:  
19   data:  
20   db:
```

\$ nano .env

```
# postgresql environment variables
POSTGRES_DB=postgres
POSTGRES_PASSWORD=1234fierro98
POSTGRES_USER=odoo
PGDATA=/var/lib/postgresql/data/pgdata

# odoo environment variables
HOST=postgres
USER=odoo
PASSWORD=1234fierro98
```



```
fierro98@ubuntu:~$ nano .env
GNU nano 4.8 .env
# postgresql environment variables
POSTGRES_DB=postgres
POSTGRES_PASSWORD=1234fierro98
POSTGRES_USER=odoo
PGDATA=/var/lib/postgresql/data/pgdata

# odoo environment variables
HOST=postgres
USER=odoo
PASSWORD=1234fierro98
```

\$ sudo apt install apache2

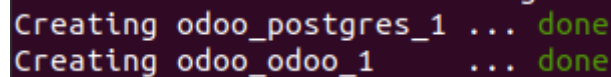
\$ sudo service apache2 start

\$ sudo usermod -a -G docker \$USER

\$ sudo systemctl enable docker

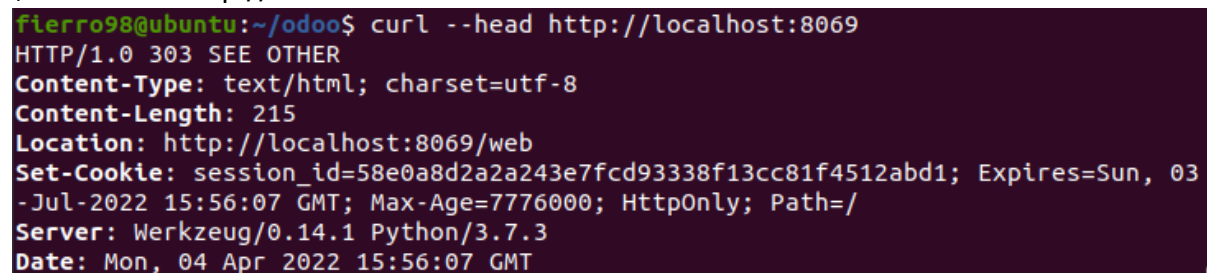
\$ sudo systemctl start docker

\$ sudo docker-compose up -d



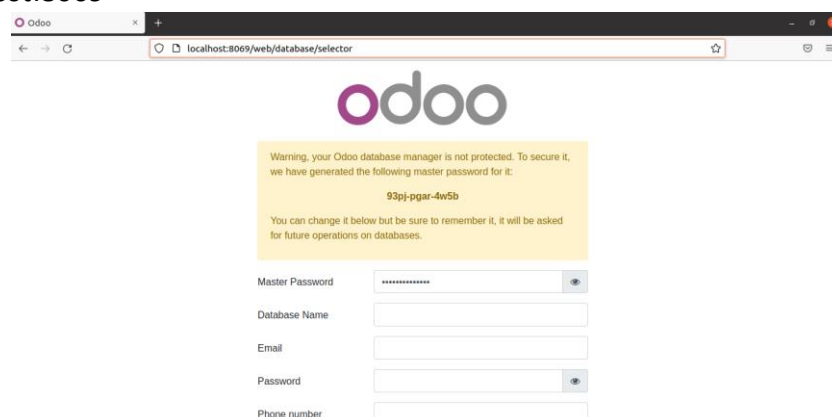
```
Creating odoo_postgres_1 ... done
Creating odoo_odoo_1 ... done
```

\$ curl --head http://localhost:8069



```
fierro98@ubuntu:~/odoo$ curl --head http://localhost:8069
HTTP/1.0 303 SEE OTHER
Content-Type: text/html; charset=utf-8
Content-Length: 215
Location: http://localhost:8069/web
Set-Cookie: session_id=58e0a8d2a2a243e7fcd93338f13cc81f4512abd1; Expires=Sun, 03-Jul-2022 15:56:07 GMT; Max-Age=7776000; HttpOnly; Path=/
Server: Werkzeug/0.14.1 Python/3.7.3
Date: Mon, 04 Apr 2022 15:56:07 GMT
```

http://localhost:8069



## References:

<https://www.digitalocean.com/community/tutorials/how-to-install-odoo-on-ubuntu-20-04-with-docker>