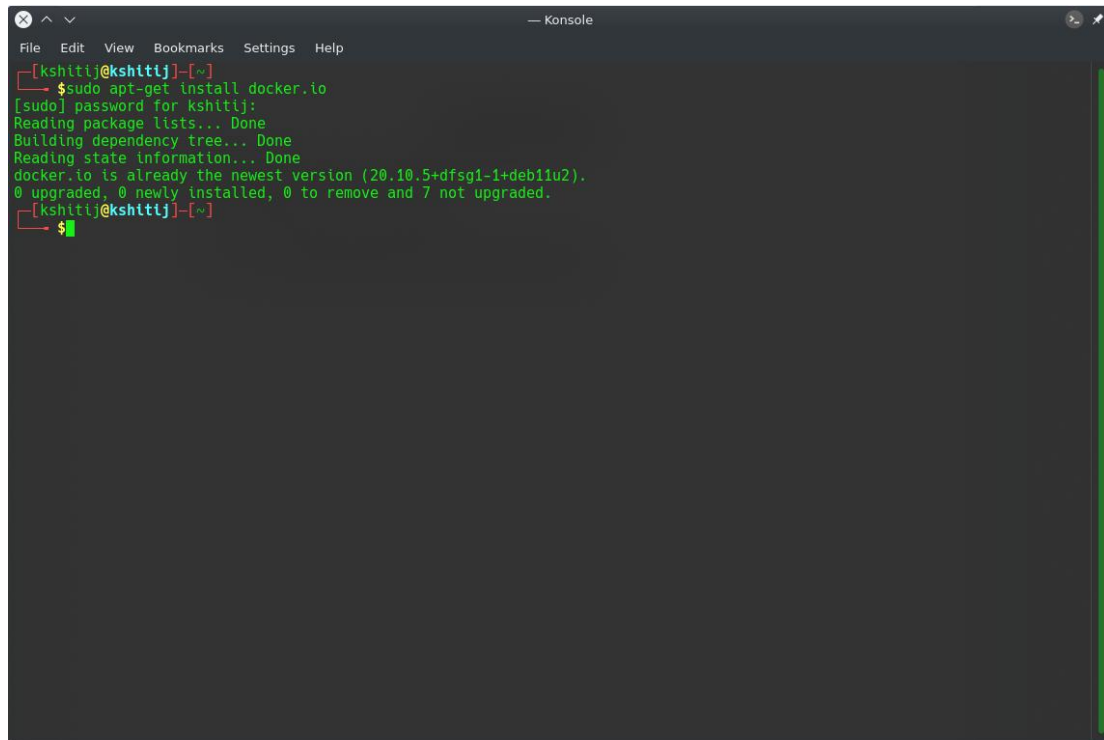


# OpenRemote

OpenRemote setup for linux OS:

1. Install Docker in the system.

command: **sudo apt-get install docker.io**

A terminal window titled 'Konsole' with a menu bar (File, Edit, View, Bookmarks, Settings, Help). The terminal shows a user prompt '[kshiti@kshiti]~' followed by the command '\$sudo apt-get install docker.io'. After a password prompt, the terminal displays the output of the command: 'Reading package lists... Done', 'Building dependency tree... Done', 'Reading state information... Done', and a message stating 'docker.io is already the newest version (20.10.5+dfsg1-1+deb11u2). 0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.' The prompt returns to '[kshiti@kshiti]~' followed by a green cursor.

```
[kshiti@kshiti]~$ sudo apt-get install docker.io
[sudo] password for kshiti:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker.io is already the newest version (20.10.5+dfsg1-1+deb11u2).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
[kshiti@kshiti]~$
```

Note: The output will be little different as in this system docker is already installed.

2. Install docker compose in the system.

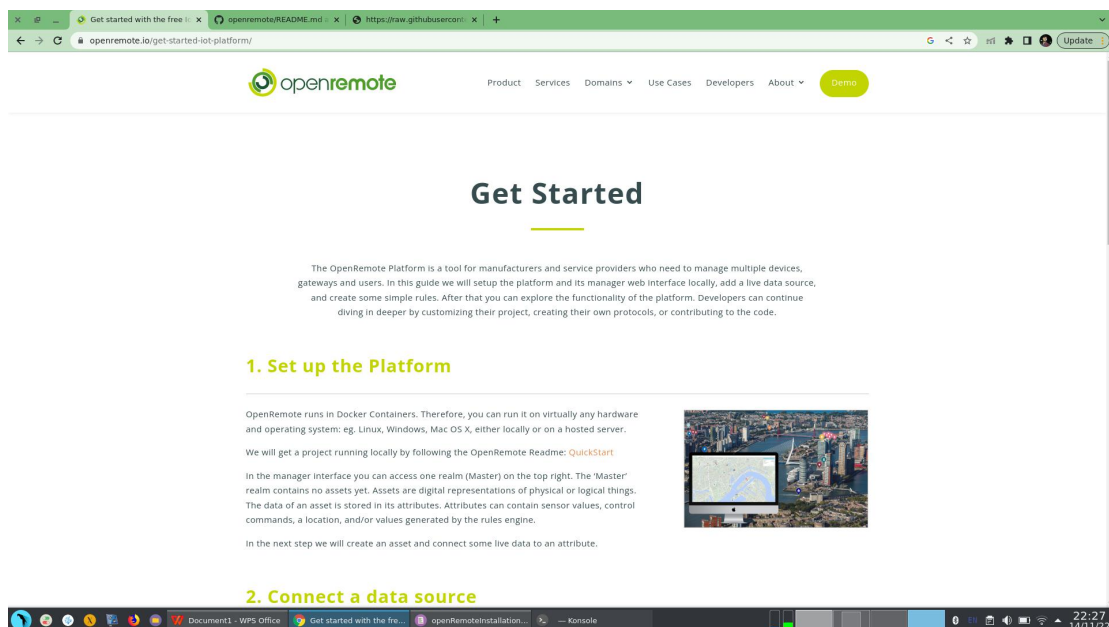
command: **sudo apt-get install docker-compose**

```
File Edit View Bookmarks Settings Help
[kshiti@kshiti]~$ sudo apt-get install docker-compose
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker-compose is already the newest version (1.25.0-1).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
[kshiti@kshiti]~$
```

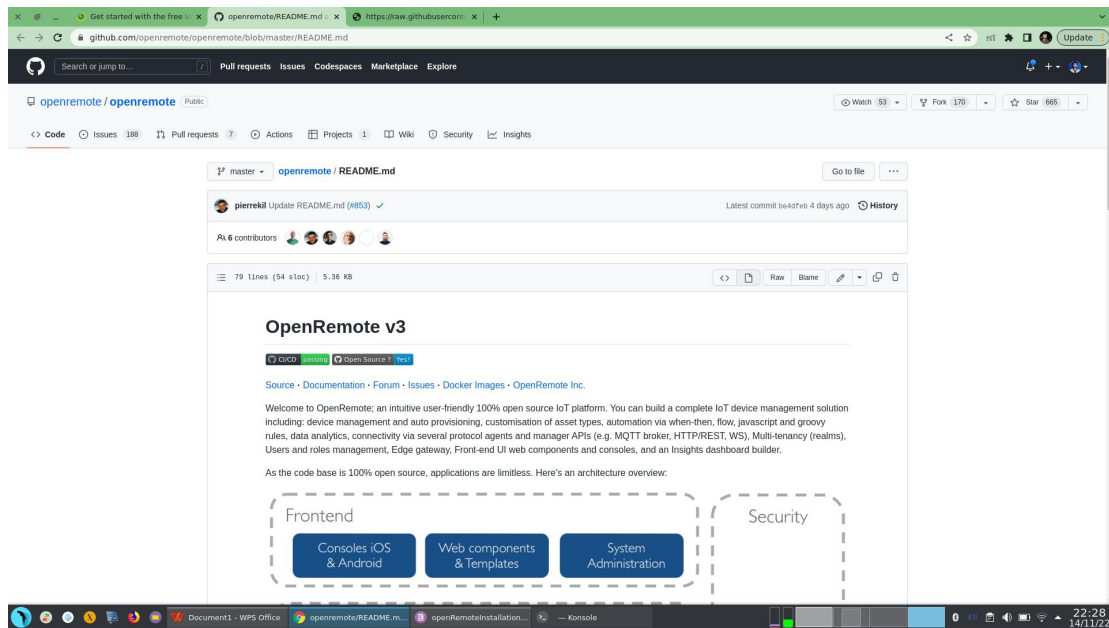
Note: The output will be little different as in this system docker compose is already installed.

3. Download the docker-compose.yml file of open remote from the repository

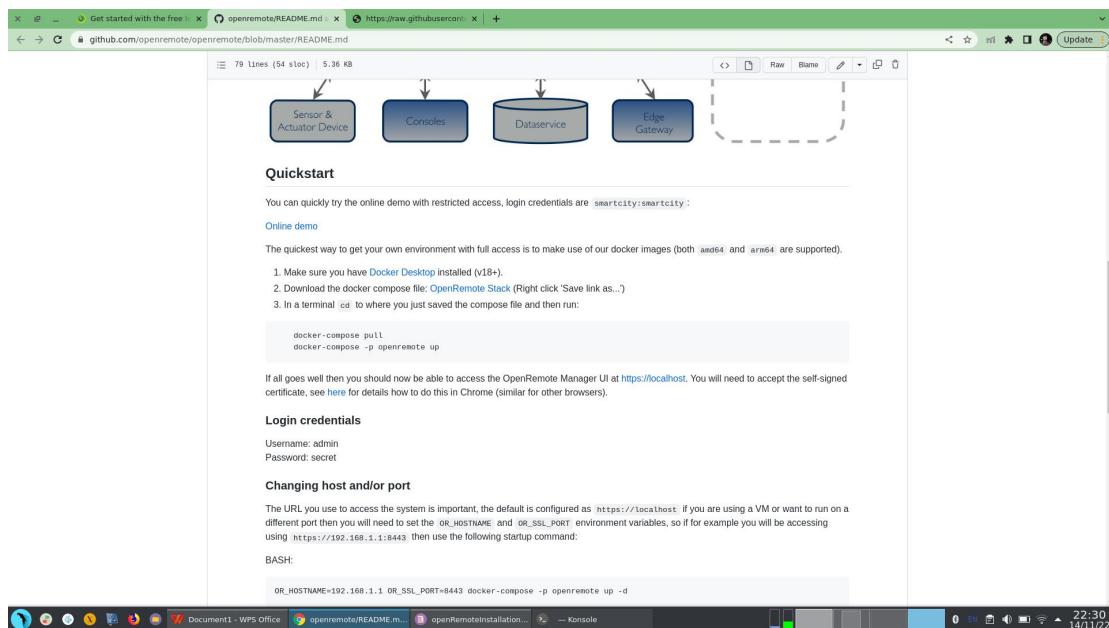
Visit [openRemote](https://openremote.io) website



open the [Quickstart](#) link



Now scroll down and find the link to download the docker-compose file



Right click on the link and save it as docker-compose.yml.

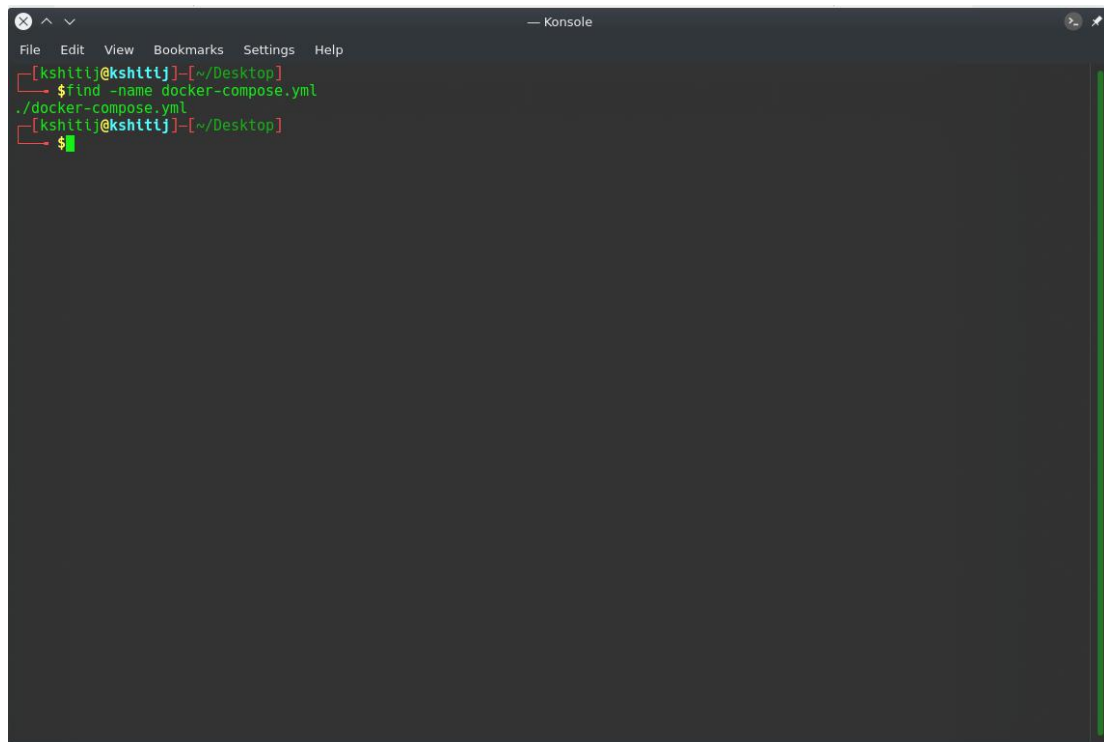
or you can use this link to download it [docker-compose](#). right click on the page opened by this link and click save as and save it.

4. Now open a terminal where you have kept the docker-compose.yml file.

in my case I have kept it on my Desktop. To verify whether the file is there or not type the following command:

command: **find -name docker-compose.yml**

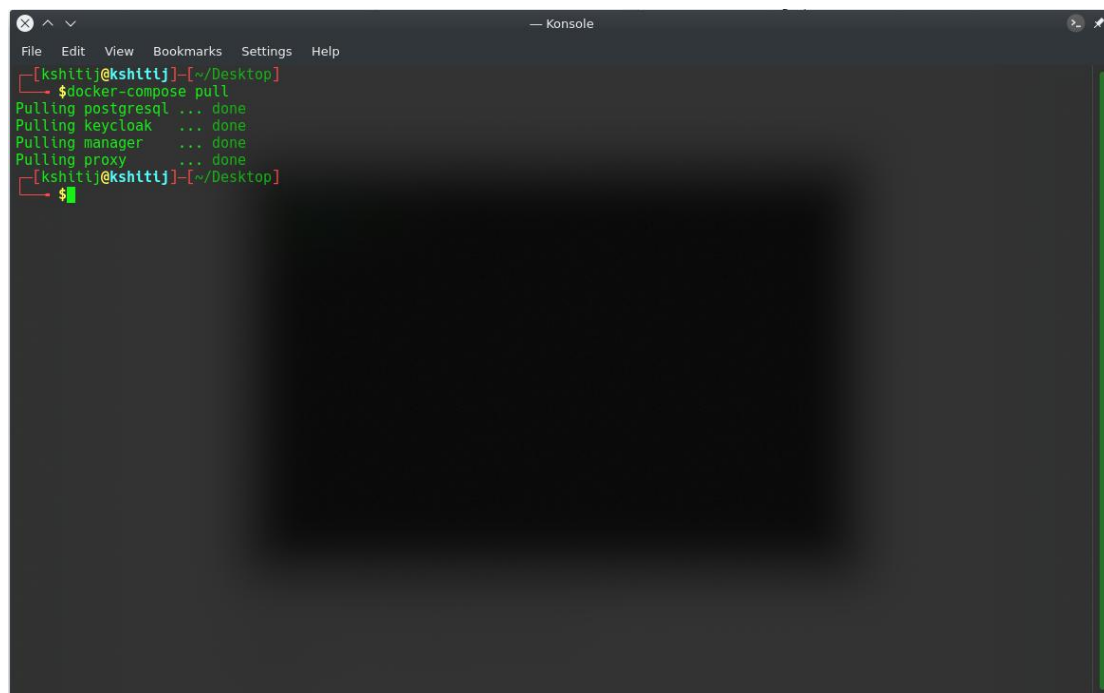
it should return the output as `./docker-compose.yml`



```
File Edit View Bookmarks Settings Help
[kshiti@kshiti] ~/Desktop
$ find -name docker-compose.yml
./docker-compose.yml
[kshiti@kshiti] ~/Desktop
$
```

5. Now we will poll the dependencies from docker.

command: **docker-compose pull**



```
File Edit View Bookmarks Settings Help
[kshiti@kshiti] ~/Desktop
$ docker-compose pull
Pulling postgresql ... done
Pulling keycloak ... done
Pulling manager ... done
Pulling proxy ... done
[kshiti@kshiti] ~/Desktop
$
```

command: **docker-compose -p openremote up**

```
File Edit View Bookmarks Settings Help
[kshiti@kshiti] ~/Desktop
$ docker-compose -p openremote up
Creating network "openremote_default" with the default driver
Creating openremote_postgresql_1 ... done
Creating openremote_keycloak_1 ... done
Creating openremote_manager_1 ... done
Creating openremote_proxy_1 ... done
Attaching to openremote_postgresql_1, openremote_keycloak_1, openremote_manager_1, openremote_proxy_1
postgresql_1 | PostgreSQL Database directory appears to contain a database; Skipping initialization
postgresql_1 |
postgresql_1 | 2022-11-14 19:18:55.479 INFO [org.keycloak.common.Profile] (main) Preview feature enabled: token_exchange
keycloak_1 | Picked up JAVA_TOOL_OPTIONS:
manager_1 | 2022-11-14 19:18:45.810 CET [1] LOG: starting PostgreSQL 14.1 on x86_64-pc-linux-musl, compiled by gcc (Alpi
ne 10.3.1-glibc2.28-1) 10.3.1:2022-11-14 19:18:45.810 CET [1] LOG:
proxy_1 | 2022-11-14 19:18:55.543 INFO [org.keycloak.quarkus.runtime.hostname.DefaultHostnameProvider] (main) Hostname
settings: FrontEnd: localhost, Strict HTTPS: true, Path: <request>, Strict BackChannel: false, Admin: <request>, Port: -1, P
roxied: true
postgresql_1 | 2022-11-14 19:18:45.810 CET [1] LOG: listening on IPv4 address "0.0.0.0", port 5432
postgresql_1 | 2022-11-14 19:18:45.810 CET [1] LOG: listening on IPv6 address "::", port 5432
proxy_1 | [INFO][2022-11-14 18:19:24] DOMAINNAMES:
postgresql_1 | 2022-11-14 19:18:45.845 CET [1] LOG: listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
postgresql_1 | 2022-11-14 19:18:45.853 CET [24] LOG: database system was shut down at 2022-10-26 08:17:18 CET
proxy_1 | [INFO][2022-11-14 18:19:24] HAPROXY_CONFIG: /etc/haproxy/haproxy.cfg
keycloak_1 | 2022-11-14 19:18:56.910 WARN [org.infinispan.PERSISTENCE] (keycloak-cache-init) ISPN000554: jboss-marshallin
g is deprecated and planned for removal
manager_1 | 2022-11-14 19:18:45.861 CET [1] LOG: database system is ready to accept connections
manager_1 | Using logging configuration on classpath: logging.properties
proxy_1 | [INFO][2022-11-14 18:19:24] HAPROXY_CMD: haproxy -f /etc/haproxy/haproxy.cfg -D -p /var/run/haproxy.pid
keycloak_1 | 2022-11-14 19:18:56.998 WARN [org.infinispan.CONFIG] (keycloak-cache-init) ISPN000569: Unable to persist Inf
inispan internal caches as no global state enabled
manager_1 | 2022-11-14 19:19:05.607 ERROR [main] [jboss.event.security]
The LogManager accessed before the "java.util.logging.manager" system property was set to "org.jboss.logmanager.LogManager".
Results may be unexpected.
keycloak_1 | 2022-11-14 19:18:57.050 INFO [org.infinispan.CONTAINER] (keycloak-cache-init) ISPN000556: Starting user mars
haller 'org.infinispan.jboss.marshalling.core.JBossUserMarshaller'
proxy_1 | [INFO][2022-11-14 18:19:24] HAPROXY_USER_PARAMS:
keycloak_1 | 2022-11-14 19:18:57.449 INFO [org.infinispan.CONTAINER] (keycloak-cache-init) ISPN000128: Infinispan version
: Infinispan 'Triskaidekaphobia' 13.0.9.Final
keycloak_1 | 2022-11-14 19:18:57.718 INFO [org.infinispan.CLUSTER] (keycloak-cache-init) ISPN000078: Starting JGroups cha
nnel 'ISPN'
manager_1 | 2022-11-14 19:19:09.517 INFO [main] [org.openremote.container.Container]
>>> Starting runtime container...
proxy_1 | [INFO][2022-11-14 18:19:24] PROXY_LOGLEVEL: notice
```

[illegible]



Now to view the openRemote UI open any browser and type the localhost address:  
<https://localhost>



Master  
OpenRemote

Username or email  
\_\_\_\_\_

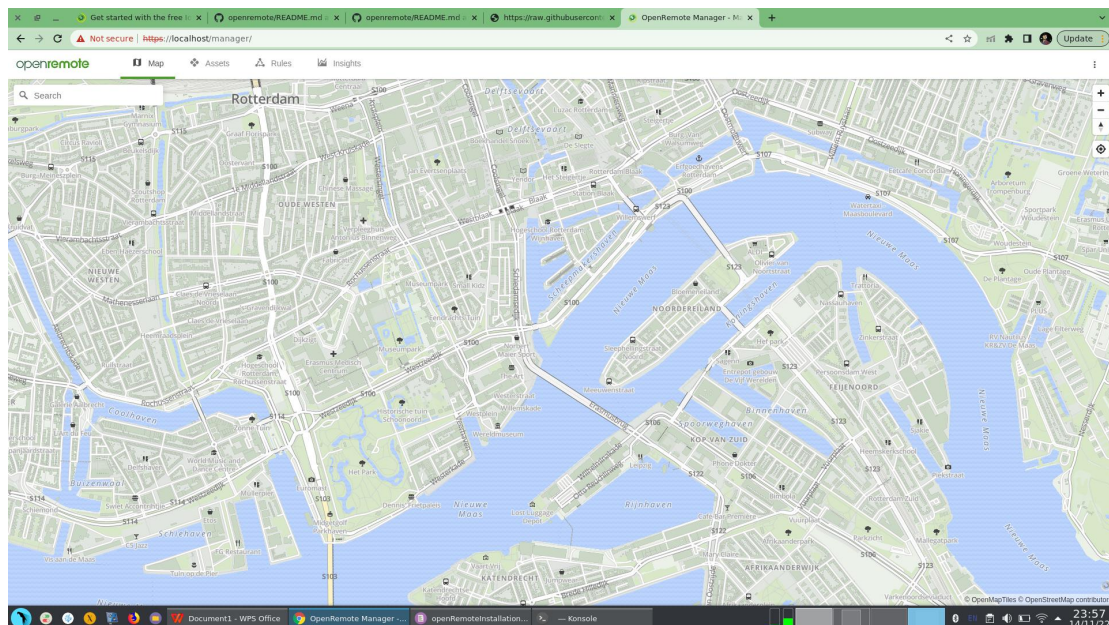
Password  
\_\_\_\_\_

SIGN IN >



you will get this page after opening the localhost address. It may ask you to accept the risk and continue before this page depending upon your browser settings, you can just accept and continue.

The credential to login are  
username: admin  
password: secret



we are done with the setup.