



FORCE EDGE CONNECT

Installation on Ubuntu with GUI

Version 240112



Document: FORCE EDGE CONNECT -
Installation on Ubuntu with GUI



Release date: 2024-01-12



Document version: 1



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1 Requirements

- ❗ Before installing, ensure that the system meets the system requirements. Details can be found in the System Requirements document for FORCE EDGE CONNECT.

1.1 User rights for installation

It is mandatory to create a non-root user.

The rights must be assigned to the user to be able to correctly install the application.

User:

- Must be a non-root user (name doesn't matter)
- This user must have the right to run the docker + docker compose command
- User ID while installing must be the ID of the current user (number):
 - `"id"` (command)
- Add the current user into the Docker group:
 - `"sudo usermod -aG docker $USER"` (command)

2 Installing FORCE EDGE CONNECT on Ubuntu (with GUI)

2.1 User setup

1. Check the User ID of the login/created user.

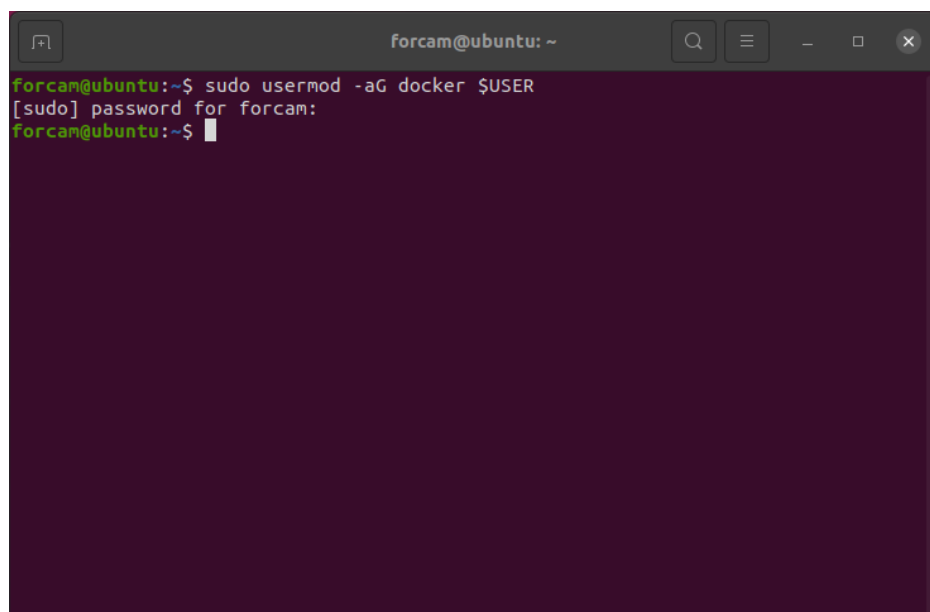
- Run:
id



```
forcam@ubuntu: ~  
forcam@ubuntu:~$ id  
uid=1000(forcam) gid=1000(forcam) groups=1000(forcam),4(adm),24(cdrom),27(sudo),  
30(dip),46(plugdev),120(lpadmin),132(lxd),133(sambashare)  
forcam@ubuntu:~$
```

2. Add this user to the Docker group so that you can run the docker command with this user.

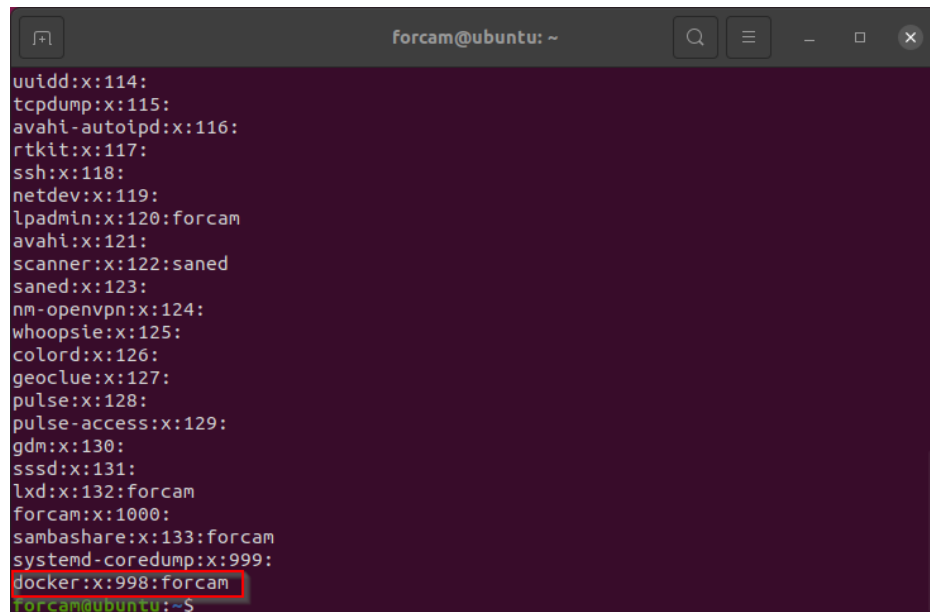
- Run:
sudo usermod -aG docker \$USER



```
forcam@ubuntu: ~  
forcam@ubuntu:~$ sudo usermod -aG docker $USER  
[sudo] password for forcam:  
forcam@ubuntu:~$
```

3. Verify that user is part of the in Docker group.

- Run
`sudo cat /etc/group`



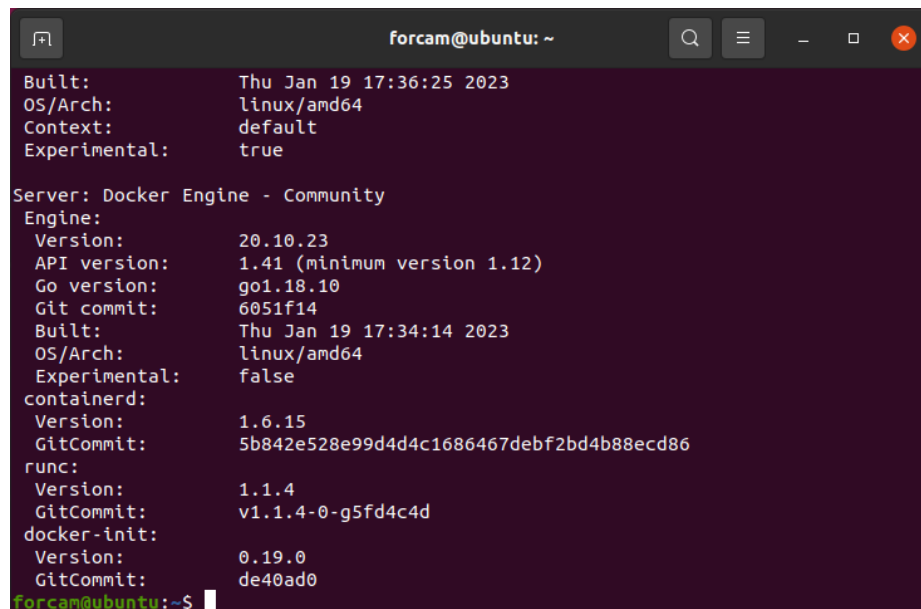
```
forcam@ubuntu: ~  
uidd:x:114:  
tcpdump:x:115:  
avahi-autoipd:x:116:  
rtkit:x:117:  
ssh:x:118:  
netdev:x:119:  
lpadmin:x:120:forcam  
avahi:x:121:  
scanner:x:122:saned  
saned:x:123:  
nm-openvpn:x:124:  
whoopsie:x:125:  
colord:x:126:  
geoclue:x:127:  
pulse:x:128:  
pulse-access:x:129:  
gdm:x:130:  
sssd:x:131:  
lxd:x:132:forcam  
forcam:x:1000:  
sambashare:x:133:forcam  
systemd-coredump:x:999:  
docker:x:998:forcam  
forcam@ubuntu:~$
```

4. Restart the system.

- Run
`sudo reboot now`

5. Check whether the current user has permissions to run Docker and Docker Compose.

- Run:
`docker version`



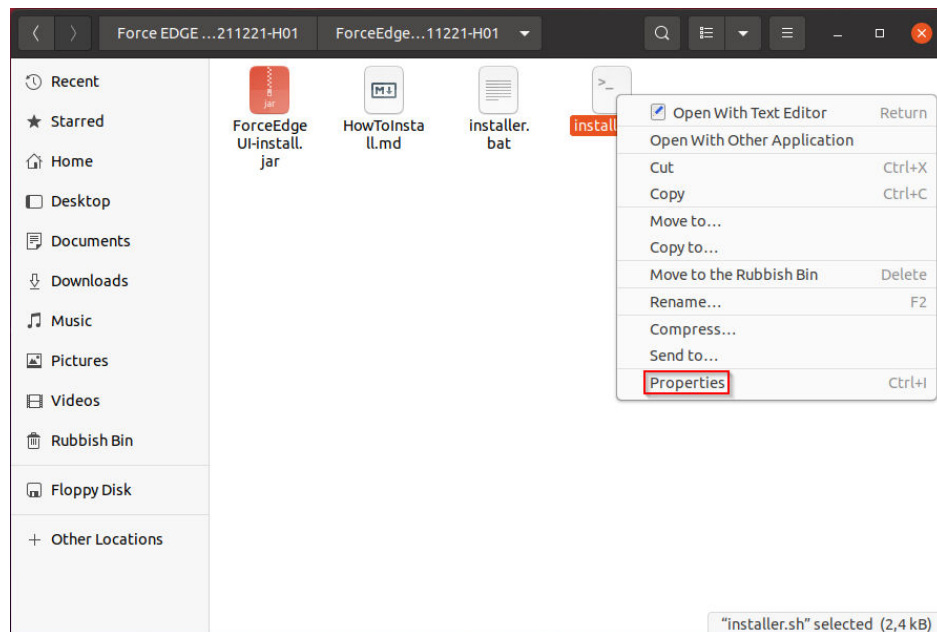
```
forcam@ubuntu: ~  
Built: Thu Jan 19 17:36:25 2023  
OS/Arch: linux/amd64  
Context: default  
Experimental: true  
  
Server: Docker Engine - Community  
Engine:  
  Version: 20.10.23  
  API version: 1.41 (minimum version 1.12)  
  Go version: go1.18.10  
  Git commit: 6051f14  
  Built: Thu Jan 19 17:34:14 2023  
  OS/Arch: linux/amd64  
  Experimental: false  
containerd:  
  Version: 1.6.15  
  GitCommit: 5b842e528e99d4d4c1686467debf2bd4b88ecd86  
runc:  
  Version: 1.1.4  
  GitCommit: v1.1.4-0-g5fd4c4d  
docker-init:  
  Version: 0.19.0  
  GitCommit: de40ad0  
forcam@ubuntu:~$
```

- Run:
`docker compose version`

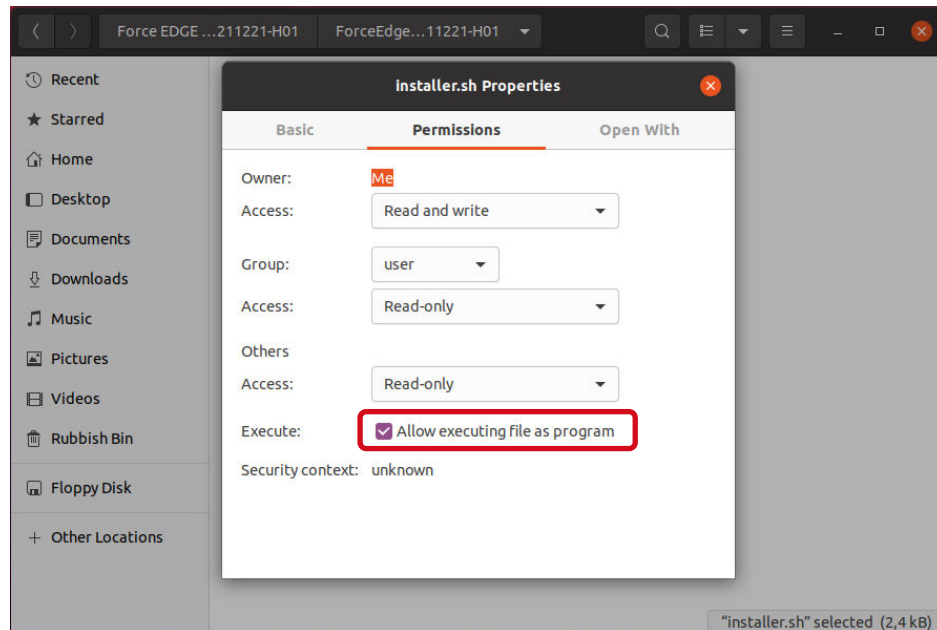
```
forcam@ubuntu: ~  
forcam@ubuntu:~$ docker compose version  
Docker Compose version v2.15.1  
forcam@ubuntu:~$
```

2.2 Installing the EDGE

1. Open the Force EDGE Installer folder and make the installer.sh file executable.
 - To do so, **right-click** on installer.sh and select **Properties**.

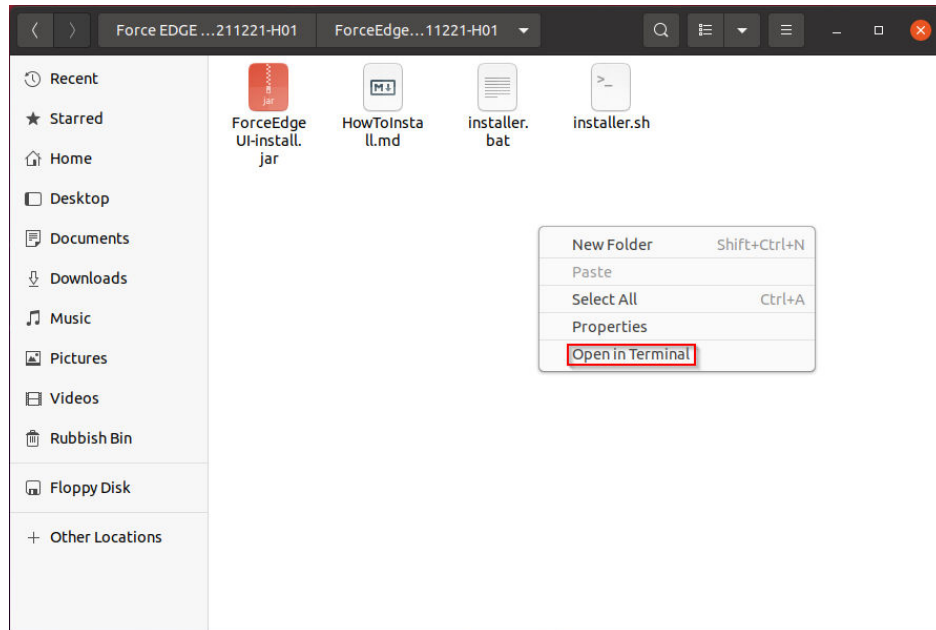


- Go to the **Permissions** section and set the checkbox at **Allow executing file as program**.

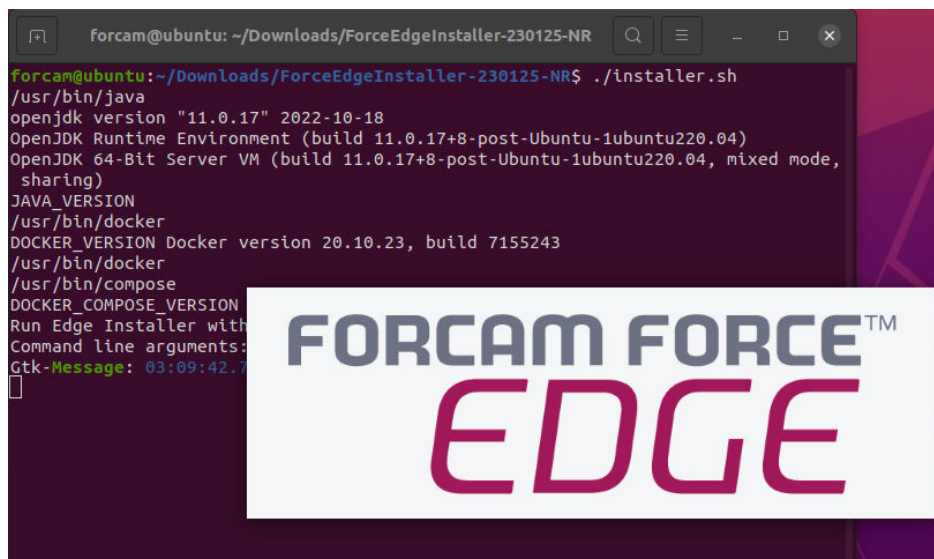


2. Run the EDGE installer.

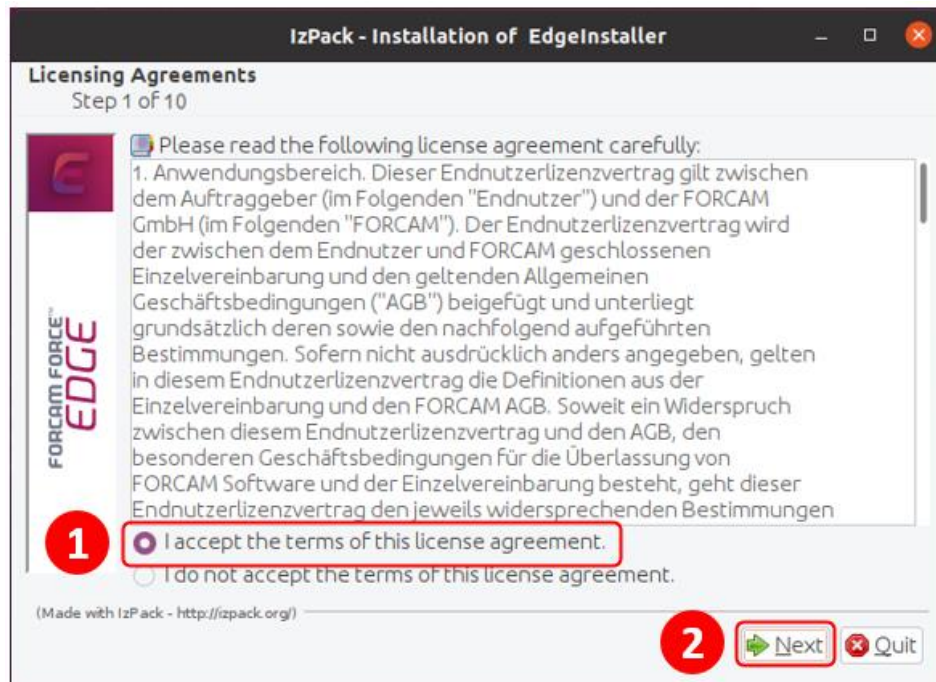
- Open the terminal by **right-clicking** inside of the folder and selecting **Open in Terminal**.



- Run:
`./installer.sh`



3. Configure the EDGE installer.
 - Accept the licence agreement **(1)** and click **Next (2)** to continue.

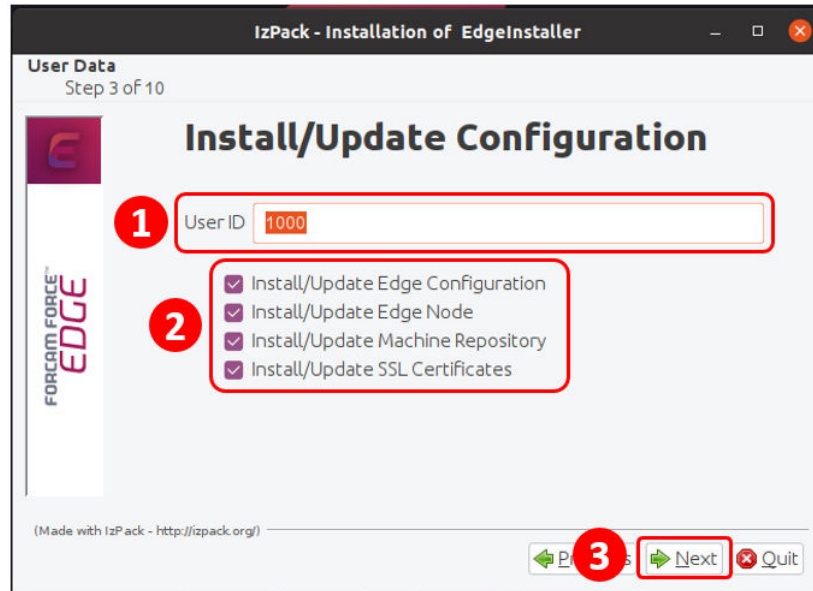


- Select the directory in which the FORCE EDGE Configuration is to be installed **(1)** and continue with **Next (2)**.

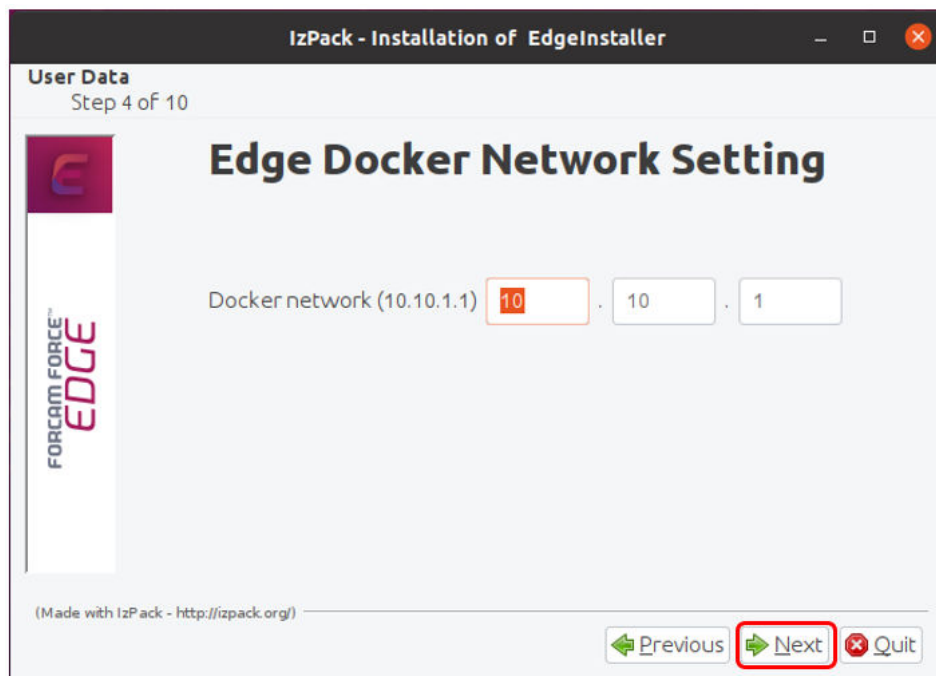


Enter the **User ID (1)**, select the desired installation option **(2)** (in this example, all applications and SSL Certificates are installed) and click **Next (3)**.

- i** For a complete application, at least one EDGE Configuration must be installed. EDGE Configuration and EDGE Node do not have to be installed on the same system.



- If necessary, set the IP addresses of the Docker containers and continue with **Next**.



- Enter a secure **API Key (1)**, confirm the ports and continue with **Next (2)**.
 - ❗ The API Key is needed to connect the EDGE Node with the EDGE Configuration. Therefore, it should be stored safely for future use.

IzPack - Installation of EdgeInstaller

User Data
Step 5 of 10

Edge Settings

API Key **1** secret

ForceEdgeQueue (Active MQ) management port 8161

ForceEdgeQueue (Active MQ) connection port 61616

ForceEdgeQueue (Active MQ) MQTT port 1883

Configuration License Id

Machine Repo License Id

(Made with IzPack - <http://izpack.org/>)

Previous **2** Next Quit

- Enter path for the certificates.

IzPack - Installation of EdgeInstaller

User Data
Step 6 of 10

Edge SSL Certifications Upload

Edge Configuration /home/forcam/Downloads/EdgePmTest1/config.crt Browse...

Edge Node /home/forcam/Downloads/EdgePmTest1/node.crt Browse...

Machine Repository /home/forcam/Downloads/EdgePmTest1/machine-repo.crt Browse...

(Made with IzPack - <http://izpack.org/>)

Previous Next Quit

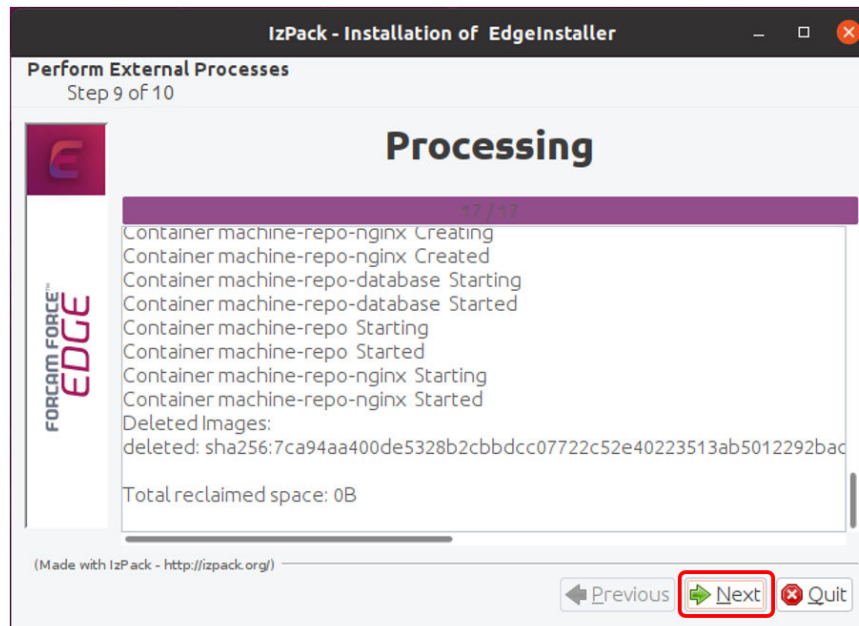
- Click **Next** to continue with the installation.



- Click **Next** after the installation step is complete.



- Click **Next** after the installation step is complete.



Click on **Done** to complete the installation.



3 Accessing the EDGE Configuration

1. To access the EDGE Configuration, enter `https://{hostName}:60066` in the browser.
 - ❗ The **{hostName}** is the IP address or domain name of the server on which the EDGE Configuration is installed (e.g., `https://10.48.116.64:60066`).
2. After the initial installation, log in with the default user:
Email: `test@mail.com`
Password: `Force2020&k`
 - ❗ For security reasons, the default user data should be changed, and the new account information should be kept secure.

