





FORCE EDGE CONNECT Installation on Ubuntu with GUI

Version 230406

| | Document: FORCE EDGE CONNECT - Installation on Ubuntu with GUI |
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Content

| 1 | R | Requirements 3 | | | |
|---|-----|--------------------------------------------------|----|--|--|
| | 1.1 | User rights for installation | .3 | | |
| 2 | In | stalling FORCE EDGE CONNECT on Ubuntu (with GUI) | 4 | | |
| | 2.1 | User setup | .4 | | |
| | 2.2 | Installing the EDGE | .6 | | |
| 3 | Α | ccessing the EDGE Configuration | 14 | | |

1 Requirements

(1) Before installing, ensure that the system meets the system requirements. Details can be found in the system requirements document.

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.

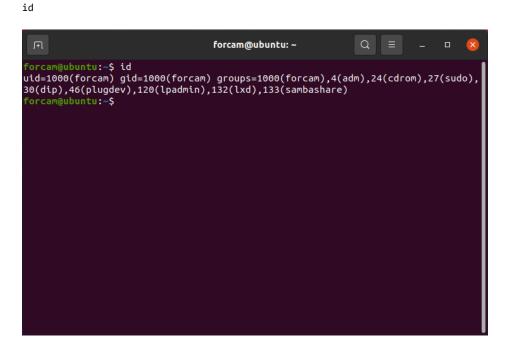
User:

- 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:



- 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

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

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



Run sudo cat /etc/group forcam@ubuntu: ~ uuidd: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:~\$

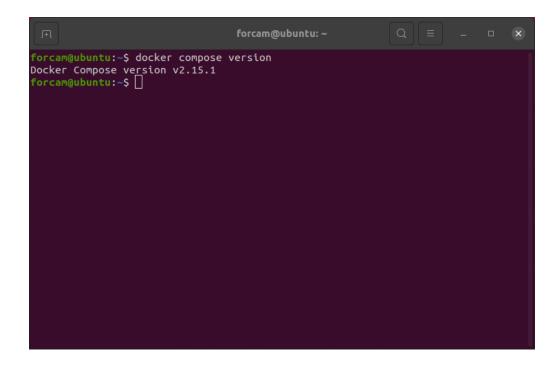
- 4. Restart the system.
 - Run sudo reboot now
- 5. Check whether the current user has permissions to run Docker and Docker Compose.
 - Run: docker version

| J+1 | forcam@ubuntu: ~ | Q | Ξ | - | × |
|-------------------------------------------------|------------------------------------------------------------|------|---|---|---|
| Built: OS/Arch: Context: Experimental: | Thu Jan 19 17:36:25 2023 linux/amd64 default true | | | | |
| Server: Docker Eng Engine: | | | | | |
| Version: API version: Go version: | 20.10.23 1.41 (minimum version 1.12) qo1.18.10 | | | | |
| Git commit: Built: | 6051f14 Thu Jan 19 17:34:14 2023 | | | | |
| OS/Arch: Experimental: containerd: | linux/amd64 false | | | | |
| Version: GitCommit: runc: | 1.6.15 5b842e528e99d4d4c1686467debf2bd4b88e | cd86 | | | |
| Version: GitCommit: | 1.1.4 v1.1.4-0-g5fd4c4d | | | | |
| docker-init: Version: GitCommit: | 0.19.0 de40ad0 | | | | |
| forcam@ubuntu:~\$ | | | | | |

- Run:

docker compose version





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**.

| $\langle ightarrow$ Force EDGE . | 211221-H01 | ForceEdge112 | 221-H01 - | | Q | ≡ ▼ | Ξ | - | ۵ | × |
|-----------------------------------|------------------|--------------|----------------------|---------|---------|-----------|----------|---------|--------|------|
| 🕚 Recent | | M+ | | >_ | | | | | | |
| ★ Starred | Jar ForceEdge | HowToInsta | installer. | install | 🗹 Ope | n With Te | xt Edit | ог | Retu | urn |
| | UI-install. | ll.md | bat | macon | Open W | ith Other | r Applio | ation | | |
| ☆ Home | jar | | | | Cut | | | | Ctr | l+X |
| Desktop | | | | | Сору | | | | Ctr | l+C |
| | | | | | Move to |) | | | | |
| Documents | | | | | Copy to | | | | | |
| Downloads | | | | | Move to | the Rub | bish Bir | ו | Dele | ete |
| □ Music | | | | | Rename | · | | | | F2 |
| 11 MUSIC | | | | | Compre | | | | | |
| Pictures | | | | | Send to | | | | | |
| □ Videos | | | | | Propert | ies | | | Ctr | rl+I |
| | | | | | | | | | | |
| 💼 Rubbish Bin | | | | | | | | | | |
| | | | | | | | | | | |
| 🝙 Floppy Disk | | | | | | | | | | |
| + Other Locations | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | "instal | ller.sh" | selecte | d (2,4 | kB) |



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

| < | > Force EDGE | .211221-H01 | ForceEdge11221-H01 👻 | Q | ≣ ▼ | ≡ – | | × |
|---------|-----------------|-------------------|------------------------|-----------|-----------|----------------|---------|-----|
| U | Recent | | installer.sh Properti | es | 8 | | | |
| * | Starred | Basic | Permissions | Open With | - | | | |
| ŵ | Home | Owner: | Me | | | | | |
| | Desktop | Access: | Read and write | • | | | | |
| ٦ | Documents | Group: | user 👻 | | | | | |
| ₽ | Downloads | Access: | | _ | | | | |
| IJ | Music | | Read-only | • | | | | |
| <u></u> | Pictures | Others Access: | Read-only | • | | | | |
| B | Videos | | | | | | | |
| Ē | Rubbish Bin | Execute: | Allow executing file a | s program | | | | |
| | Floppy Disk | Security conte | ext: unknown | | | | | |
| + | Other Locations | | | | | | | |
| | | | | | | | | |
| | | | | | "installe | er.sh" selecte | ed (2,4 | kB) |

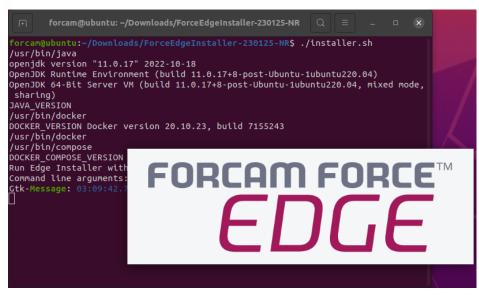


- 2. Run the EDGE installer.
 - Open the terminal by right-clicking inside of the folder and selecting Open in Terminal.

| Force EDGE | 211221-H01 | ForceEdge11 | 221-H01 - | Q | = = | - 0 | 8 |
|-------------------|--------------------------|---------------------|----------------------|--------------------------|--------------|-----|---|
| 🕚 Recent | ar | Mł | | >_ | | | |
| ★ Starred | ForceEdge UI-install. | HowToInsta II.md | installer. bat | installer.sh | | | |
| 습 Home | jar | u.mo | bac | | | | |
| Desktop | | | | | | | |
| Documents | | | | New Folder | Shift+Ctrl+N | | |
| Downloads | | | | Paste | | | |
| 🎵 Music | | | | Select All Properties | Ctrl+A | | |
| Pictures | | | | Open in Termina |] | | |
| 日 Videos | | | | | | | |
| 💼 Rubbish Bin | | | | | | | |
| 🖬 Floppy Disk | | | | | | | |
| + Other Locations | | | | | | | |
| | | | | | | | |
| | | | | | | | |

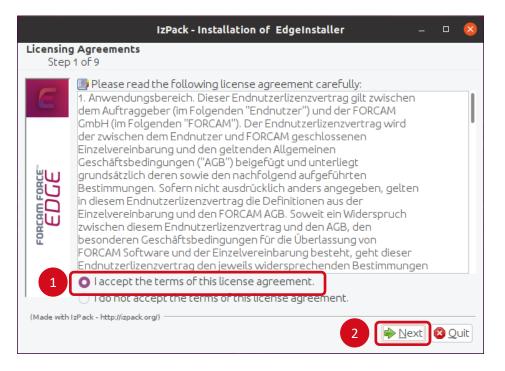
- Run:

./installer.sh





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

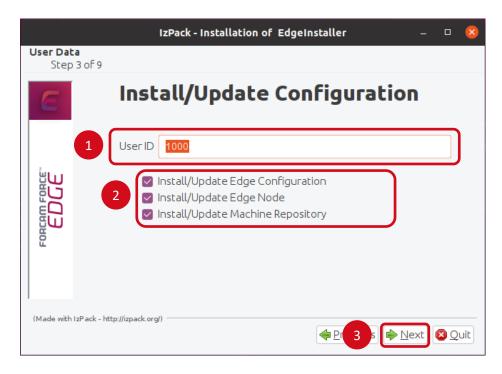


Select the directory in which the FORCE EDGE Configuration is to be installed **(1)** and continue with **Next (2)**.

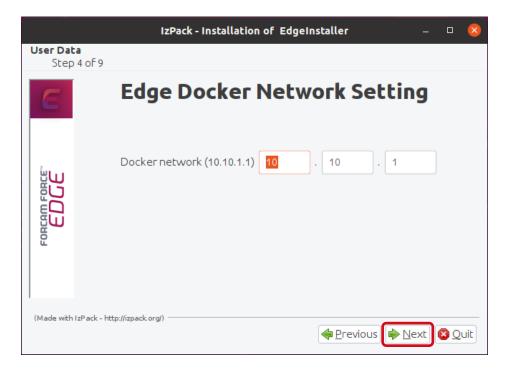
| | IzPack - Installation of EdgeInstaller | _ | | 8 |
|-------------------------|----------------------------------------|--------------|------|-----|
| Target Patl Step 2 (| h of 9 | | | |
| E | 1 | | | |
| | Select the installation path: | | | |
| | /home/forcam/EdgeInstaller | 🖹 <u>B</u> r | ows | e) |
| FORCAM | | | | |
| (Made with IzP | ack - http://izpack.org/) | _ | | |
| | | lext | 🙁 Qı | uit |



- Enter the User ID (1), select the desired installation option (2) (in this example, all applications are installed) and click Next (3).
 - 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).
 - (i) 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 Da Step | ta 5 5 of 9 | | |
| E | | Edge S | ettings |
| | | APIKey | secret |
| | | ForceEdgeQueue (Active MQ) management port | 8161 |
| | | ForceEdgeQueue (Active MQ) connection port | 61616 |
| FORCAM FORC | | ForceEdgeQueue (Active MQ) MQTT port | 1883 |
| 101 | | Configuration License Id | |
| | | Machine Repo License Id | |
|) (Made with | h IzPack - ht | tp://izpack.org/) | |
| | | | s 📦 <u>N</u> ext 😣 Quit |

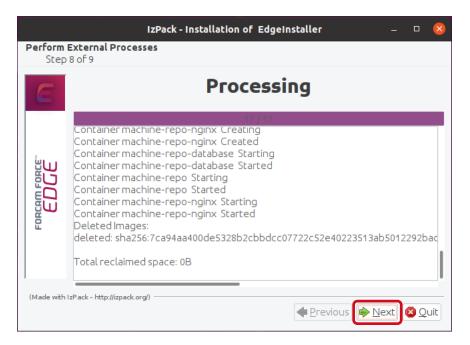
- Click **Next** to continue with the installation.



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

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|-------------------------------------------------|-------------------------------|
| ← → C ▲ Nicht sicher 10.48.116.64:60066/login | 📴 Q. 🕑 ★ 🔲 😩 (Attualisieren 🗜 |
| | EDGE CONNÉCT |
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