



# Installing FORCAM FORCE EDGE V230127

On Ubuntu with GUI

### Manual

	Document: Installation FORCAM FORCE
	EDGE 230127 - Ubuntu with GUI_BO.docx
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# **1** Requirements

() Before installing, check if 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.

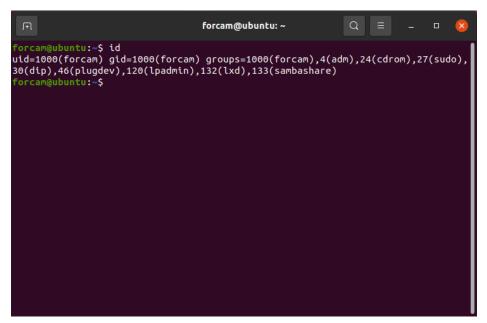
The rights must be assigned to the user to be able to install correctly.

### 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)



- 2.1 User setup
  - 1. Check the User ID of the login/created user.
    - Run:
    - id



- 2. Add this user in 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 added in docker group
  - Run

sudo cat /etc/group

J+1	forcam@ubuntu: ~	Q	Ξ	-	×
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:122:saned					
nm-openvpn:x:124:					
whoopsie:x:125:					
colord:x:126:					
<pre>geoclue:x:127:</pre>					
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 the current user have permission to run docker and docker compose
  - Run: docker version

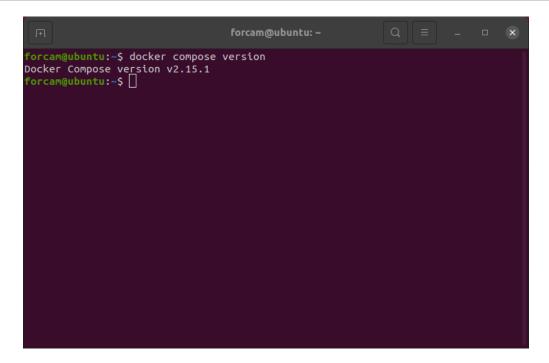
\_

π	forcam@ubuntu: ~	2		×
Built:	Thu Jan 19 17:36:25 2023			
OS/Arch:	linux/amd64			
Context:	default			
Experimental:	true			
Server: Docker En	gine - Community			- 1
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	5		
runc:				
Version:	1.1.4			
GitCommit:	v1.1.4-0-g5fd4c4d			
docker-init:				
Version:	0.19.0			
GitCommit: forcam@ubuntu:~\$	de40ad0			

– Run:

docker compose version





## 2.2 Installing the EDGE

- 1. Open the Force EDGE Installer folder and make the installer.sh file executable.
  - For this, **right click** on installer.sh and choose **Properties**.

Force EDGE	211221-H01	ForceEdge112	221-H01 <del>-</del>		Q E			• 😣
🕚 Recent		[M+]		>_				
★ Starred	ForceEdge	HowToInsta	installer.	install	🗹 Open V	With Text Edil	tor	Return
	UI-install.	ll.md	bat	mocore	Open Wit	h Other Appli	cation	
습 Home	jar				Cut			Ctrl+X
Desktop					Сору			Ctrl+C
Documents					Move to			
Documents					Copy to			
Downloads				_		he Rubbish Bi	n	Delete
Music					Rename			F2
a more					Compress			
Pictures				_	Send to	_		
☐ Videos					Propertie	s		Ctrl+I
A D L L D								
💼 Rubbish Bin								
🖬 Floppy Disk								
+ Other Locations								
						"installer.sh"	selecte	d (2,4 kB)



- Choose Permissions and set the checkbox at Allow executing file as program.

Force EDGE	211221-H01 Force	eEdge11221-H01 👻	Q				×
🕚 Recent		installer.sh Properties	i	8			
★ Starred	Basic	Permissions	Open With				
습 Home	Owner:	Me					
🔲 Desktop	Access:	Read and write	-				
Documents							
Downloads	Group:	user 👻					
♫ Music	Access:	Read-only	•				
Pictures	Others						
日 Videos	Access:	Read-only	•				
💼 Rubbish Bin	Execute:	Allow executing file as p	orogram				
🖬 Floppy Disk	Security context:	unknown					
+ Other Locations							
			_	_			
				"install	er.sh" selec	ted (2,4	4 kB)



2. Run the EDGE installer.

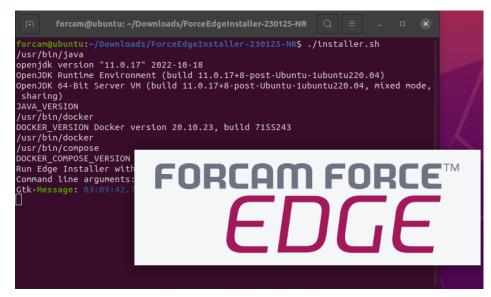
\_

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

Force EDGE	211221-H01	ForceEdge112	221-H01 🔻	Q		-	×
🕚 Recent		M÷		>_			
★ Starred	ForceEdge UI-install.	HowToInsta	installer.	installer.sh			
û Home	jar	ll.md	bat				
Desktop							
Documents			ſ	New Folder	Shift+Ctrl+N		
⊕ Downloads				Paste			
□ Music			_	Select All	Ctrl+A		
Ja Music			_	Properties	_		
Pictures			L	Open in Termina	<u> </u>		
🖽 Videos							
💼 Rubbish Bin							
🖬 Floppy Disk							
+ Other Locations							

#### - Run:

sudo ./installer.sh





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

IzPack - Installation of EdgeInstaller –		×
Licensing Agreements Step 1 of 9		
<ul> <li>Please read the following license agreement carefully:</li> <li>Anwendungsbereich. Dieser Endnutzerlizenzvertrag gilt zwischen dem Auftraggeber (im Folgenden "Endnutzerlizenzvertrag wird der zwischen dem Endnutzer und FORCAM geschlossenen Einzelvereinbarung und den geltenden Allgemeinen Geschäftsbedingungen ("AGB") beigefügt und unterliegt grundsätzlich deren sowie den nachfolgend aufgeführten Bestimmungen. Sofern nicht ausdrücklich anders angegeben, gelten in diesem Endnutzerlizenzvertrag die Definitionen aus der Einzelvereinbarung und den FORCAM AGB. Soweit ein Widerspruch zwischen diesem Endnutzerlizenzvertrag und den AGB, den besonderen Geschäftsbedingungen für die Überlassung von FORCAM Software und der Einzelvereinbarung besteht, geht dieser Endnutzerlizenzvertrag den jeweils widersprechenden Bestimmungen</li> <li>I accept the terms of this license agreement.</li> </ul>		
(Made with IzPack - http://izpack.org/)	Qı	Jit

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

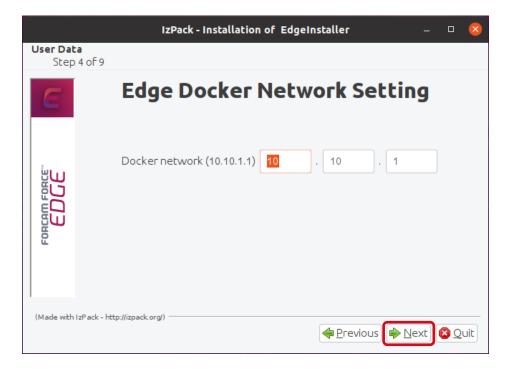
IzPack - Installation of EdgeInstaller	-		8
Target Path Step 2 of 9			
Select the installation path:	_		
/home/forcam/EdgeInstaller	BB	rows	e
FORCER			
(Made with IzPack - http://izpack.org/)	Next	<b>8</b> Q	uit



- Enter the User ID (1), Select the option (2) as desired (in this example, all applications 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.

	IzPack - Installation of EdgeInstaller – 🗆 😣
User Data Step 3 of 9	
E	Install/Update Configuration
1	User ID 1000
FORCAM FORCE	2 ≥ Install/Update Edge Configuration Install/Update Edge Node Install/Update Machine Repository
Ē	
, (Made with IzPack - h	ttp://izpack.org/)

- 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)**.
  - (1) The API Key is needed to connect the EDGE Node with the EDGE Configuration. Therefore, it should be stored safely for future use.

r		IzPack - Installation of EdgeInstaller	_ 0 😣	
User Dat Step	ta 5 of 9			
E	r	Edge S	ettings	
		APIKey	secret	
C C	ForceEdgeQueue (Active MQ) mana	ForceEdgeQueue (Active MQ) management port	8161	
		ForceEdgeQueue (Active MQ) connection port	61616	
FORCAM FORC		ForceEdgeQueue (Active MQ) MQTT port	1883	
FOR		Configuration License Id		
		Machine Repo License Id		
(Made with	IzPack - ht	tp://izpack.org/)		
	The set of the		s 📦 <u>N</u> ext 🔇 Quit	

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

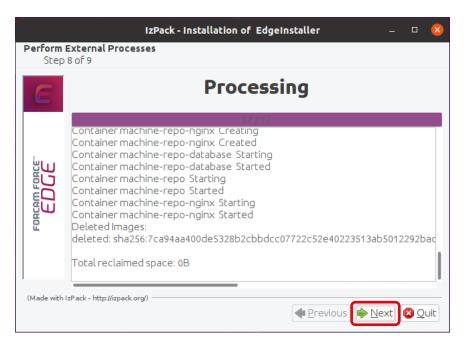




- Click **Next** after the installation step is complete.

IzPack - Installation of EdgeInstaller			8
<ul> <li>Pack installation progress:</li> <li>[Finished]</li> <li>Overall installation progress:</li> <li>8/8</li> </ul>			
	xt	<mark>8 Q</mark> ı	Jit
	ion p 7 of 9 Pack installation progress: [Finished] Overall installation progress: 8 / 8	ion p 7 of 9 Pack installation progress: [Finished] Overall installation progress: 8/8	ion p 7 of 9 Pack installation progress: [Finished] Overall installation progress: 8 / 8

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





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

Iz	Pack - Installation of EdgeInstaller			×
Installation Finished Step 9 of 9				
FORGAM FORCE	<ul> <li>Installation has completed successfully.</li> <li>Generate an automatic installation script</li> </ul>			
(Made with IzPack - http://izpack.org/)		(	) Do	ne



# **3** Access the EDGE Configuration

- 1. To access the EDGE Configuration, enter http://{hostName}:60066 in the browser.
  - (i) The **{hostName}** is 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.

E FORCAM FORCE EDGE Configure x +		~ − Ø ×
← → C ▲ Nicht sicher   10.48.116.64:60066/login		여 순 ★ 🔲 🏝 🗄
		FORCAM FORCE
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	Login	
	Email *	
	Password *	
	Login	
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