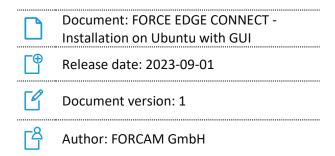






FORCE EDGE CONNECT Installation on Ubuntu with GUI

Version 231009



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1 Requirements

(1) 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.

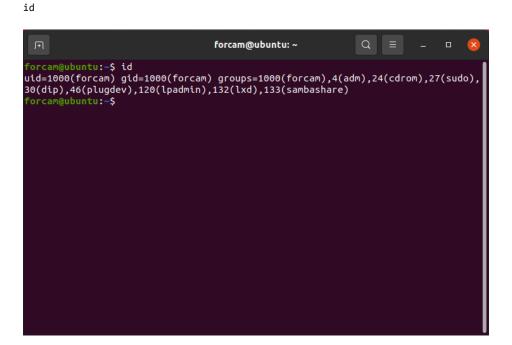
User:

- 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:



- 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: 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:

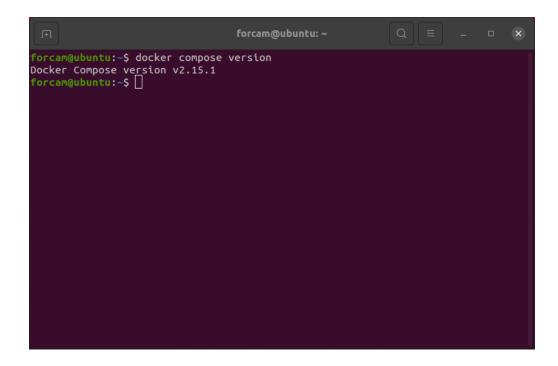
docker	version

ΓŦ	forcam@ubuntu: ~	Q =	-	×
Built: OS/Arch:	Thu Jan 19 17:36:25 2023 linux/amd64 default			
Context: Experimental:	true			
Server: Docker Engi	ne - Community			
Engine: Version:	20.10.23			
API version:	1.41 (minimum version 1.12)			
Go version:	qo1.18.10			
Git commit:	6051f14			
Built:	Thu Jan 19 17:34:14 2023			
OS/Arch:	linux/amd64			
Experimental:	false			
containerd:				
Version:	1.6.15			
GitCommit:	5b842e528e99d4d4c1686467debf2bd4b88ec	d86		
runc:				
Version:	1.1.4			
GitCommit:	v1.1.4-0-g5fd4c4d			
docker-init:				
Version: GitCommit:	0.19.0			
forcam@ubuntu:~\$	de40ad0			
Tor carigubuli cu:~>				

– 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**.

✓ Force EDGE	211221-H01	ForceEdge112	221-H01 -		Q ≣ ▼ ≡ -	• 😣
🕚 Recent		[M+]		>_		
★ Starred	ForceEdge	HowToInsta	installer.	install	Open With Text Editor	Return
A	UI-install.	ll.md	bat		Open With Other Applicatio	n
습 Home	jar				Cut	Ctrl+X
Desktop				_	Сору	Ctrl+C
					Move to	
Documents					Copy to	
Downloads					Move to the Rubbish Bin	Delete
-					Rename	F2
Music					Compress	
Pictures					Send to	
Videos					Properties	Ctrl+I
💼 Rubbish Bin						
🖬 Floppy Disk						
+ Other Locations						
					"installer.sh" sele	cted (2,4 kB)



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

	> Force EDGE 2	11221-H01 Ford	eEdge11221-H01		Q III				
3	Recent		installer.sh Prop	erties	8				
*	Starred	Basic	Permissions	Open	With	100			
ŵ	Home	Owner:	Me						
	Desktop	Access:	Read and write	•					
٦	Documents	Crown							
₽	Downloads	Group:	user 💌						
Л	Music	Access:	Read-only	•					
<u></u>	Pictures	Others Access:	Read-only	•					
B	Videos								
Ô	Rubbish Bin	Execute:	Allow executing fi	le as program					
a	Floppy Disk	Security context:	unknown						
+	Other Locations								
					_				
						ʻinstaller.sh	" selecte	ed (2,4	kB)

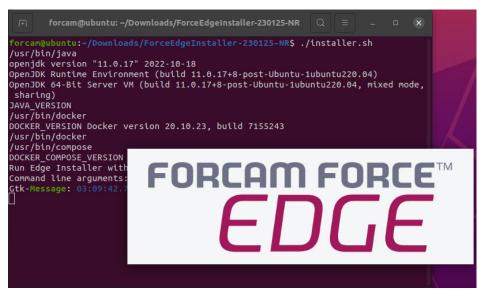


- 2. Run the EDGE installer.
 - Open the terminal by right-clicking inside of the folder and selecting Open in Terminal.

Force EDGE	.211221-H01	ForceEdge112	221-H01 -	Q		- 🗆	8
🕚 Recent		MT		>_			
★ Starred	ForceEdge UI-install.	HowToInsta II.md	installer. bat	installer.sh			
습 Home	jar	und	Dat				
Desktop							
Documents				New Folder	Shift+Ctrl+N		
Downloads				Paste			
🎵 Music			_	Select All Properties	Ctrl+A		
Pictures				Open in Terminal]		
🖯 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.

	IzPack - Installation of EdgeInstaller — 🗆	8
	g Agreements o 1 of 10	
FORCAM FORCE	Please read the following license agreement carefully: 1. 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	
	 I accept the terms of this license agreement. 	
	I do not accept the terms of this license agreement.	
(Made with	1zPack - http://izpack.org/)	Quit

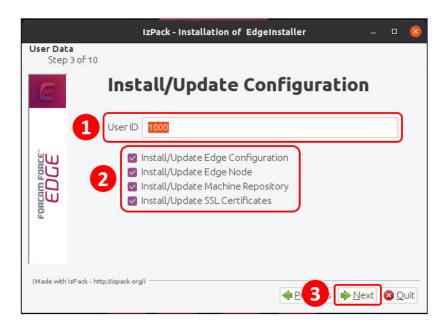
- Select the directory in which the FORCE EDGE Configuration is to be installed (1) and continue with Next (2).

IzPack - Installation of EdgeInstaller			8
Target Path Step 2 of 10			
Select the installation path: /home/forcam/EdgeInstaller	B	rows	e
(Made with IzPack - http://izpack.org/)	▶ <u>N</u> ext	<mark>8</mark> Q	uit



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**.

	IzPack - Installation of EdgeInstaller — 🗆 😣
User Data Step 4 of 10	
E	Edge Docker Network Setting
FORCAM FORCE	Docker network (10.10.1.1) 10 . 1
(Made with IzPack - ht	tp://izpack.org/)



- 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.

Step 5 of	F10	
2	Edge Se	ettings
	API Key	secret
	ForceEdgeQueue (Active MQ) management port	8161
FORCAM FORCE	ForceEdgeQueue (Active MQ) connection port	61616
ED	ForceEdgeQueue (Active MQ) MQTT port	1883
	Configuration License Id	
	Machine Repo License Id	
ide with IzPac	sk - http://izpack.org/)	Next 🕲 Q

- Enter path for the certificates.

	IzPa	ack - Installation of EdgeInstaller	- 🛛 😣
User Data Step 6			
E	Edge SSL Cert	ifications Upload	
	Edge Configuration	/home/forcam/Downloads/EdgePmTest1/config.crt	Browse
μ	Edge Node	/home/forcam/Downloads/EdgePmTest1/node.crt	Browse
DCE	Machine Repository	ne/forcam/Downloads/EdgePmTest1/machine-repo.crt	Br <u>o</u> wse
FORCAM			
(Made with Iz	Pack - http://izpack.org/)	🔶 Previous 🔶 Ne	ext 🔕 Quit



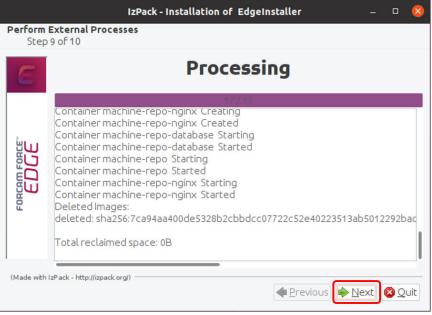
- Click **Next** to continue with the installation.



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



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



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

	IzPack - Installation of EdgeInstaller			8
Installation Finished Step 10 of 10				
C BORGHU FORCH C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU C BORGHU FORCHU FORCHU C BORGHU FORCHU C C BORGHU FORCHU C C BORGHU FORCHU C C C C C C C C C C C C C C C C C C	Installation has completed successfully. Image: Generate an automatic installation script			
		e	Do	ne

3 Accessing the EDGE Configuration

- 1. To access the EDGE Configuration, enter https://{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., https://**10.48.116.64**:60066).
- 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.

E FORCE EDGE CONNECT × +		~ <i>−</i> ∂ ×
← → C 🔺 Nicht sicher 10.48.116.64/s0066/login		🕶 Q 🔗 ★ 🔲 🏦 (Aktualisieren 🔅
		EDGE CONNECT
	Login	
	Engl *	
	Passoud ⁴	