

Update package list

```
sudo apt-get update -y
```

Install Docker

```
sudo apt-get install docker.io -y
```

Enable and start Docker service

```
sudo systemctl enable docker
```

```
sudo systemctl start docker
```

Give current user permission to run Docker commands (requires
logout/login)

```
sudo usermod -aG docker $USER
```

Pull and run RabbitMQ container with management UI

```
sudo docker run -d \
```

```
--hostname rabbitmq-host \
```

```
--name rabbitmq-container \
```

```
-e RABBITMQ_DEFAULT_USER=admin \
```

```
-e RABBITMQ_DEFAULT_PASS=admin123 \
```

```
-p 5672:5672 \
```

```
-p 15672:15672 \ rabbitmq:3-management
```

#Deployment of services and frontend

1. To Connect your ubuntu on local terminal

➤ `ssh -i 'your .pem file' ubuntu@your_public_ip_address`

2. To Update your ubuntu

//First run this

=> `sudo apt update`

//And then run this

⇒ `sudo apt upgrade`

3. Install Node.js in your ubuntu machine

=> `curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash -`

//And then run this

⇒ `sudo apt-get install -y nodejs`

4. To Create .env file

⇒ `vim .env`

// After this

Copy everything from your .env file, paste it into the Ubuntu terminal, then press Ctrl + C.

After that, type :wq to save the file.

5. To Edit any file

=> `vim filename`

Basic Vim Commands:

- Press `i` → Enter insert mode (to edit text)
- Press `ESC` → Exit insert mode
- Type `:wq` → Save and exit
- Type `:q!` → Exit without saving

6. Setup to run ec2 instance after closing terminal

⇒ `sudo npm install -g pm2`

// and after this run

⇒ `pm2 start "your file path" --name "my-node-app"`

#Frontend setup

1. Copy the zip to your EC2 instance

> `scp -i "chatapp.pem" frontend.zip ubuntu@your-ec2-ip:/home/ubuntu`

> `sudo apt install unzip -y` – To install unzip in your ubuntu machine

> `unzip frontend.zip -d frontend`

> `cd frontend`

> `pm2 start npm --name "frontend" -- run start`