



LAB MANUAL 2

Registering a Raspberry PI on Cloud

Follow the below steps to register a device on Cloud.

Step 1. Clone the below repository on RaspberryPi

<https://github.com/SoftwareAG/cumulocity-device-management-docker-example.git>

Step 2. Open repository and note down the device id

cat cumulocity-device-management-docker-example/Agents/config/config.ini

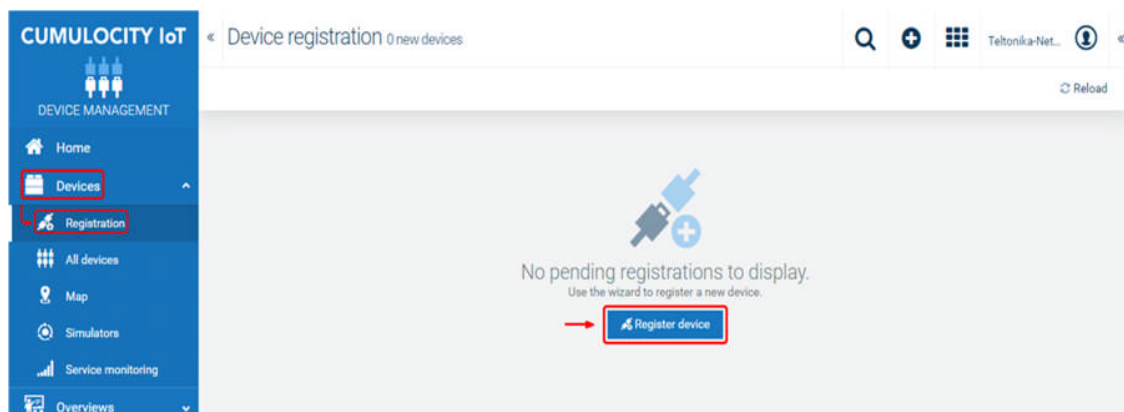
```
pi@raspberrypi:~ $ cat cumulocity-device-management-docker-example/Agents/config/config.ini
config.ini
[CBY]
tenantInstance = eu-latest.cumulocity.com

[Device]
id = 08152

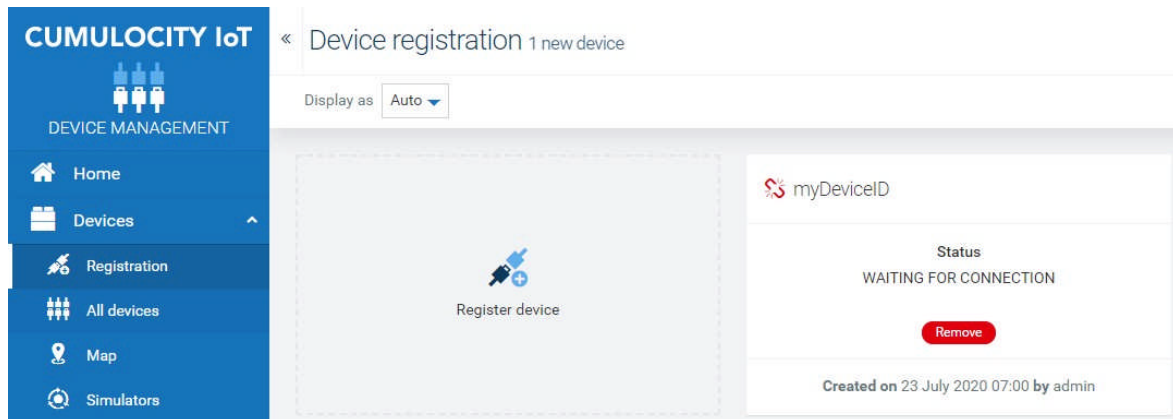
[Registration]
user = management/devicebootstrap
password = Fhdt1bb1f
tenant = management
tenantPostFix = /devicecontrol/deviceCredentials

[MQTT]
prefix = aggregated
prefixSignaltype = signalType
broker = localhost
port = 1883
```

Step 3:-Then expand the 'Devices' tab in left-hand menu, go to 'Registration' and click 'Register device'.



Step 4. Enter your device's serial number into the 'Device ID' field. Then it will await for device application to be turned on



Step 5. Run docker in Raspberry PI using below command to connect RPI to cloud
`sudo bash cumulocity-devicemanagement-docker-example/start.sh`

Step 6. Refer back to dashboard to accept connection and now your device is connected to cloud.