

Venus OS 3.20 MQTT setup

From the Version 3.20 on will no longer work without a user (anonymous).

we have to create a user with a password.

for doing this we use a password creator.

Software link for Password Generator

https://dmelo.eu/mosquitto_passwd_gen/

in the screenshot below we have created a user with the following credentials

User: CerboMQTT

Password: CerboMQTT_Password_demo

Username

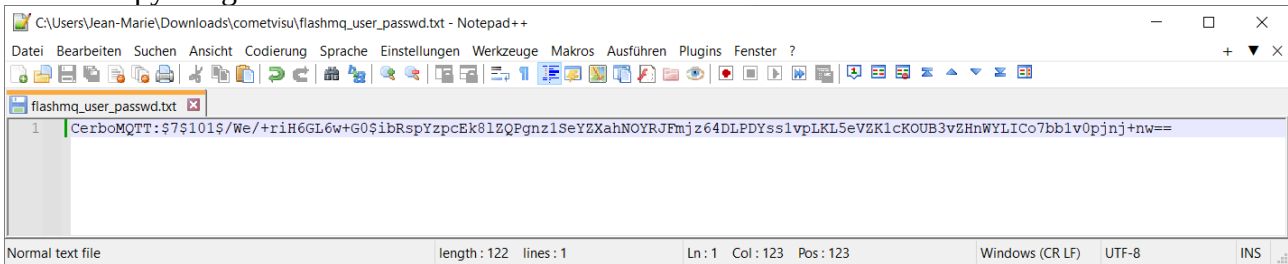
Password

Iterations

Generate

```
CerboMQTT:$7$101$/We/  
+riH6GL6w+G0$ibRspYzpcEk8lZQPgnz1SeYZXahNOYRjFmjz64DLPDYs  
s1vpLKL5eVZK1cKOUB3vZHnWYLICo7bb1v0pjni+nw==
```

We will create a text file with the name flashmq_user_passwd.txt and we copy the generated text in the file. We can use this file with WinSCP.



A screenshot of a Notepad++ window titled 'C:\Users\Jean-Marie\Downloads\cometvisu\flashmq_user_passwd.txt - Notepad++'. The window shows a single line of text: 'CerboMQTT:\$7\$101\$/We/+riH6GL6w+G0\$ibRspYzpcEk81ZqFgnz1SeYZXahNOYRJFmjz64LDPDYss1vpLKL5eVZK1cK0UB3vZHnWYLICo7bb1v0pjinj+nw=='. The status bar at the bottom indicates 'Normal text file', 'length: 122 lines: 1', 'Ln: 1 Col: 123 Pos: 123', 'Windows (CR LF)', 'UTF-8', and 'INS'.

Now we use putty and we will logon into the cerbo as root.

we will use the following command

```
cd /etc/flashmq
```

```
ls
```

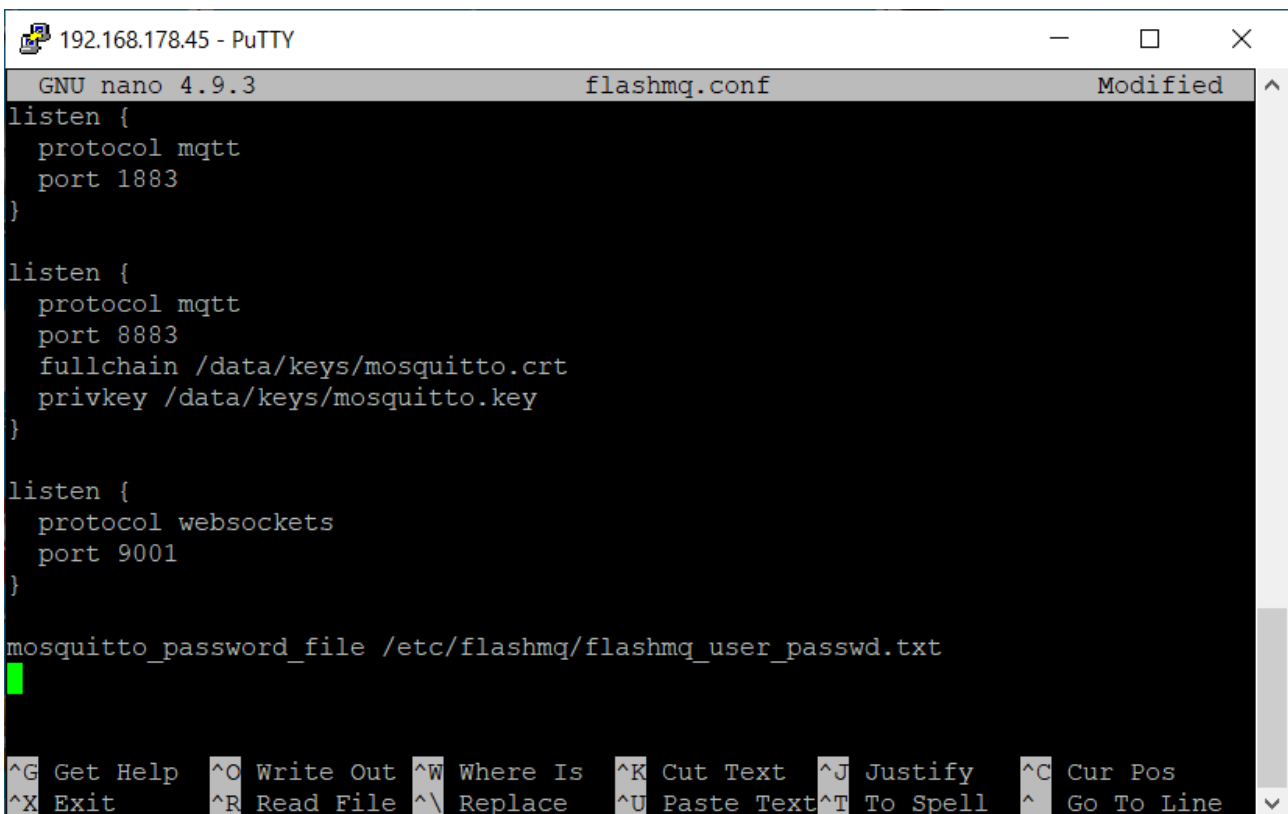
we can see a flashmq.conf file

now we use the nano command for editing the flashmq.conf

```
nano flashmq.conf
```

we will add a line

```
mosquitto_password_file /etc/flashmq/flashmq_user_passwd.txt
```



A screenshot of a PuTTY terminal window titled '192.168.178.45 - PuTTY'. The terminal shows the GNU nano 4.9.3 editor editing the file 'flashmq.conf'. The content of the file is as follows:

```
listen {
  protocol mqtt
  port 1883
}

listen {
  protocol mqtt
  port 8883
  fullchain /data/keys/mosquitto.crt
  privkey /data/keys/mosquitto.key
}

listen {
  protocol websockets
  port 9001
}

mosquitto_password_file /etc/flashmq/flashmq_user_passwd.txt
```

The terminal also shows a green cursor at the end of the last line. At the bottom, there is a legend for nano editor shortcuts: ^G Get Help, ^O Write Out, ^W Where Is, ^K Cut Text, ^J Justify, ^C Cur Pos, ^X Exit, ^R Read File, ^\ Replace, ^U Paste Text, ^T To Spell, and ^_ Go To Line.

we save the modified flashmq.conf file.

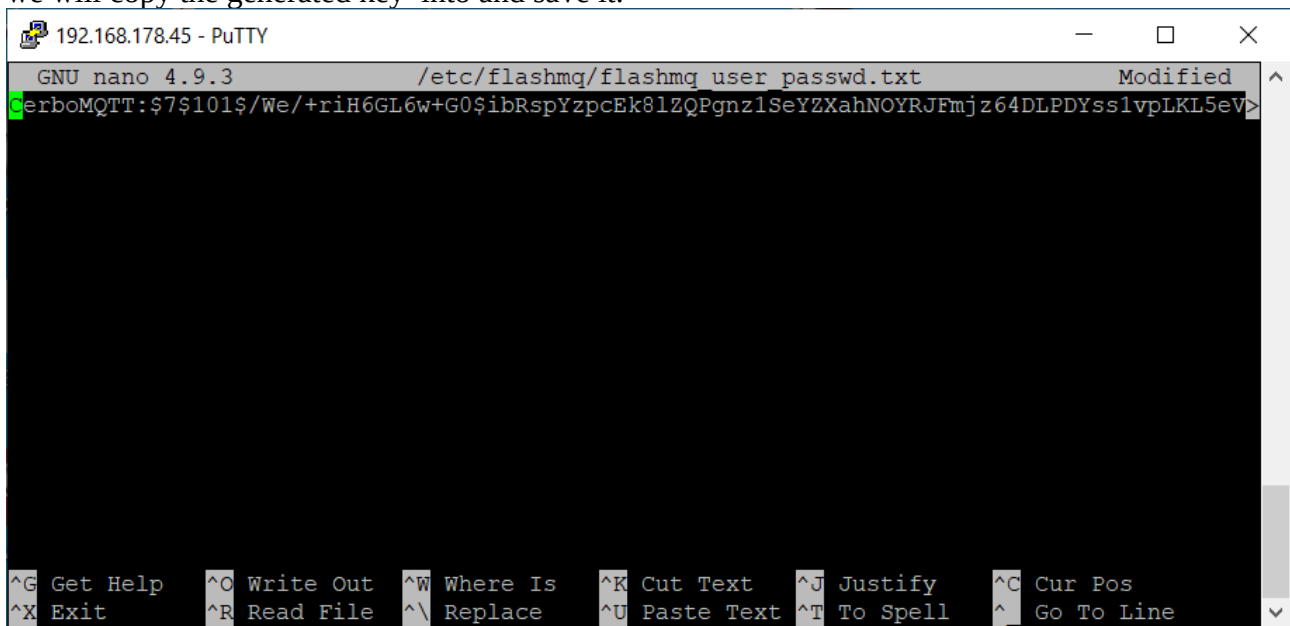
now we have to create flashmq_user_passwd.txt file or
we can copy the file we created with the software WinSCP

(<https://winscp.net/eng/index.php>)

we use the nano command

```
nano /etc/flashmq/flashmq_user_passwd.txt
```

we will copy the generated key into and save it.



```
192.168.178.45 - PuTTY
GNU nano 4.9.3 /etc/flashmq/flashmq user passwd.txt Modified
cerboMQTT:$7$101$/We/+riH6GL6w+G0$ibRspYzpcEk8lZQPgnz1SeYZXahNOYRJFmjz64DLPDYsslvpLKL5eV
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^_ Replace ^U Paste Text ^T To Spell ^_ Go To Line
```

We can add much users as we need.

we will reboot the cerbo or the raspi_venus with the command `reboot`.

Now we can use the MQTT function as before.