

Mosquitto

Installing

Install the packages:

```
# apt-get install mosquitto
# apt-get install mosquitto-clients
```

Update the config file:

```
# nano /etc/mosquitto/mosquitto.conf
-----
pid_file /run/mosquitto/mosquitto.pid

persistence true
persistence_location /var/lib/mosquitto/

include_dir /etc/mosquitto/conf.d

allow_anonymous true
listener 1883 0.0.0.0

log_dest file /var/log/mosquitto.log
log_type error
log_type warning
#log_type notice
#log_type information

connection_messages true
log_timestamp true
```

Check status:

```
# systemctl status mosquitto.service
-----
● mosquitto.service - Mosquitto MQTT Broker
   Loaded: loaded (/lib/systemd/system/mosquitto.service; enabled; preset:
   enabled)
   Active: active (running) since Fri 2023-10-20 08:29:19 CEST; 1s ago
     Docs: man:mosquitto.conf(5)
           man:mosquitto(8)
   Process: 1120 ExecStartPre=/bin/mkdir -m 740 -p /var/log/mosquitto
   (code=exited, status=0/SUCCESS)
   Process: 1122 ExecStartPre=/bin/chown mosquitto /var/log/mosquitto
   (code=exited, status=0/SUCCESS)
   Process: 1123 ExecStartPre=/bin/mkdir -m 740 -p /run/mosquitto
```

```
(code=exited, status=0/SUCCESS)
  Process: 1124 ExecStartPre=/bin/chown mosquitto /run/mosquitto
(code=exited, status=0/SUCCESS)
  Main PID: 1125 (mosquitto)
    Tasks: 1 (limit: 1571)
      CPU: 110ms
    CGroup: /system.slice/mosquitto.service
            └─1125 /usr/sbin/mosquitto -c /etc/mosquitto/mosquitto.conf

okt 20 08:29:19 raspberrypi systemd[1]: Starting mosquitto.service -
Mosquitto MQTT Broker...
okt 20 08:29:19 raspberrypi mosquitto[1125]: 1697783359: Error: Unable to
open log file /var/log/mosquitto.log for writing.
okt 20 08:29:19 raspberrypi systemd[1]: Started mosquitto.service -
Mosquitto MQTT Broker.
```

Testing

In your existing terminal, subscribe to the “testtopic” topic

```
# mosquitto_sub -h localhost -t "testtopic" -v
```

Then open another terminal and send a message on that topic

```
# mosquitto_pub -h localhost -t "testtopic" -m "Testing"
```

From:
<https://wiki.oscardegroot.nl/> - HomeWiki

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Last update: **2023/10/20 06:45**

