***MQTT(MQ Telemetry Transport)***

* It is a Messaging protocol which uses Publish and Subscribe model (Mainly used with IoT devices).
* It consists of Publisher, Broker, Topic and Subscriber.
* Commands for executing Mqtt

1. mosquitto -v -c broker.conf – Used to start the mqtt.

Create one broker.conf file and add

- listener 1883 – [Port to which it listens to]

- allow\_anonymous true [Specifies that it needs to listen on all ports]

1. mosquitto\_pub -t test-topic -m "Dummy" – Used to publish message **-t** is used to specify “topic” and **-m** is used to specify “message to be sent”

***OR***

mosquitto\_pub -t myTopic -m "Testing" -u admin -P 12345678 –

**-u** is the username and **-P** is the password

* Command to check messages in MQTT Topic

1. mosquitto\_sub -h localhost -p 1883 -t my/topic = **-p** : portNumber, **-t** : topicName

, **-h** : broker Host

Syntax: mosquitto\_sub -h <broker\_host> -p <broker\_port> -t <topic\_name>

* Command To check if the Mosquitto broker is running and listening on port 1883 –

1. netstat -ano | findstr "1883" (1883 is the port on which mqtt is running)

* netstat -ano command displays a list of all active network connections and their associated process IDs, while the findstr command filters this list to only show lines that contain the string "1883".
* By combining these two commands with a pipe (|) character, the output of the netstat -ano command is passed as input to the findstr command, which then filters the output to show only MQTT connections.

**NOTE**: Youtube Link- https://www.youtube.com/watch?v=HHKrKwI--Yw