

# How to deliver a data packet

## raspberry\_pi\_sensor.py

### PiNIRIoTSensor.send\_packet

PiNIRIoTSensor.send\_packet()

- Check if packet id sent (saved data has a packet id that has been assigned)  
- if not packet id, assign one

- check the sensor temperature has been passed  
(DEPRICATE)

- get CPU temperature
- make packet using the DataPacket class
- if new data, write data to a file
- if new data increment packet id
- pass packet made with DataPacket to  
➔ PiNIRIoTSensor.deliver\_data\_package()

PiNIRIoTSensor.deliver\_data\_package

- check if data changed  
➔ mqttts\_conn.MQTTConn.send\_data

mqttts\_conn.MQTTConn.send\_data

- send to send\_message with the correct topic  
➔ mqttts\_conn.MQTTConn.send\_message

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- json dump message and pass to publish  
➔ MQTTConn.publish publishes with paho to all open mqtt channels