

[◀ Back to Week 3](#)[✕ Lessons](#)[Prev](#)[Next](#)

Programming Assignment: QuickStart flow on Raspberry Pi

You have not submitted. You must earn 1/1 points to pass.

Deadline Pass this assignment by May 21, 11:59 PM PDT

Instructions

[My submission](#)

[Discussions](#)

Assignment goals

In this assignment you will publish the CPU temperature from your raspberry pi to the Watson IoT Platform quickstart service. You will use NodeRED as the runtime to create a flow the get the CPU temperature using the `vcgencmd` and publish the temperature in the appropriate format to the quickstart service.

How to complete the assignment

The flow should get the CPU temperature use the command : `vcgencmd measure_temp` every 5 seconds.

Publish the data using the message format `{"d" : {"temp" : <CPU temperature>}}`. The value returned from the `vcgencmd` should replace `<CPU temperature>` and should be a number not a string in the object published to the Watson IoT Cloud.

An example message where the value from the `vcgencmd` is `temp=39.7'C` is `{"d": {"temp":39.7}}`

What to submit

When you have the flow completed you should select all the nodes then export the flow to your clipboard. Open a text editor and copy the flow then save as a text file named assignment3.txt. Submit the text file containing your flow

How to submit

When you're ready to submit, you can upload files for each part of the assignment on the "My submission" tab.

