

## *IT301 $\mu$ From IoT Devices to the Cloud with the IBM Node-RED Tool*

### Mission 4: Installing Node-RED modules

This assessment evaluates the following competencies:

- *IT102 – Write and launch a program with the Node-RED tool* (+1)

You may also be assessed on the following competencies:

- *IT301 – Design a dashboard showing the value of a hardware sensor* (+1)
- *IT501 – Debug and test a Node-RED program* (+1)
- *WP501 – Define, launch and test an HTTP server* (+1)
- *IT121 – Define JavaScript functions blocks to transform data* (+1)

In this mission, you have to write a program with Node-RED, that contains at least 15 nodes (at least 10 different ones). Also, you have to install new modules to have at least 3 new nodes, that have not been seen in the course. To succeed the mission, you have to:

1. Write your program with the aforementioned constraints.
2. Explain to the teacher how you start Node-RED and run your program and how it is working.