ECAM
BRUSSELS ENGINEERING SCHOOL

Winter 2020
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IT301μ From IoT Devices to the Cloud with the IBM Node-RED Tool

Quizz 1: Node-RED tool

This assessment evaluates the following competencies:

- *IT101 – Understand the event-driven programming model* *(+1)*
- *IT102 – Write and launch a program with the Node-RED tool* *(+1)*
- *IT501 – Debug and test a Node-RED program* *(+1)*

Three affirmations are given for each assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

IT101	**True**	**False**
In the event-driven programming paradigm, events are exchanged between the components of the software system.	☐	☐
The event-driven model is a programming language.	☐	☐
Following the event-driven programming paradigm results in less coupled applications.	☐	☐

IT102	**True**	**False**
In a Node-RED program, data are flowing between nodes through wires.	☐	☐
It is possible to trigger an event in a Node-RED program with an `inject` Node, by clicking it.	☐	☐
A Node-RED program is executed on the Python runtime, behind the scene.	☐	☐

IT501	**True**	**False**
The `debug` node can only be used to display something in the sidebar in the browser.	☐	☐
It is not possible to connect a `debug` node to the output of a node if another node has already been connected to it.	☐	☐
A node-RED program can be tested without first being deployed.	☐	☐