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NODE RED

Node Red is a visual tool for wiring the Internet of Things, but it can be used for many type of applications .The reason why ‘Node’ because this tool is implemented as Node Applications .

Node- Red is included in the Bluemix Internet of Things Starter Applications, but we can also deploy it as Node.js applications separately.

Node-RED is flow based programming (where you just need to drag and drop to write the logic instead of code based programs) built for the purpose of IOT project can be used in Raspberry Pi.

Applications of NODE RED in IOT

* With the help of Node Red we can easily simplifies code development by providing a user a set of pre-built, easily connected nodes to configure our data communication and functions from a sensor to its applications for visualization and understanding.
* An IOT Applications in this simple to see and understand display, Node Red makes the connections and processing of data easier than ever for solution architects. Plus, with the debug node availability, any message that computes or parses information in the Node Red can be easily identified for coding errors and solutions troubleshooting .

MQTT:-

MQTT is one of the most commonly used protocol in IOT projects. It stands for Message Queuing Telemetry Transports .

