CREATE AND CONFIGURE IBM CLOUD SERVICE
Create Node-Red service

Date	22November 2022
Team ID	PNT2022TMID14548
Project Name	IoT Based gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Node- Red Service

- **Use IBM® Cloudant® Node-Red for IBM Cloud to store and access your device data in daily, weekly, or monthly databases set by on your selected bucket line.**

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways. It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click.

This script work on any system using systemd as the init process.

 # It works on Debian/Raspbian Jessie.

 # If you have Debian/Rapbian Wheezy and want to use this script with systemd

 # follow the information here : https://wiki.debian.org/systemd

 # To easily download, install and set at startup:

 # wget -O /tmp/download https://gist.github.com/Belphemur/3f6d3bf211b0e8a18d93/download && sudo tar -zxf /tmp/download --strip-components 1 -C /etc/systemd/system/ && sudo systemctl --reload-daemon && sudo systemctl enable Node-RED

 # To consult the log : journalctl -u Node-RED

[Unit]

Description=Node-RED is a tool for wiring together hardware devices, APIs and online services in new and interesting ways.

After=syslog.target network.target

Documentation=http://nodered.org/

[Service]

Environment="NODE_OPTIONS=--max-old-space-size=128"

Environment="NODE_RED_OPTIONS=-v"

#Full Path to Node.js

ExecStart=/usr/local/bin/node $NODE_OPTIONS red.js $NODE_RED_OPTIONS

WorkingDirectory=/home/pi/node-red/

User/Group that launches node-RED (it's advised to create a new user for Node-RED)

You can do : sudo useradd node-red

then change the User=root by User=node-red

User=root

Group=root

Nice=10

SyslogIdentifier=Node-RED

StandardOutput=syslog

Make Node-RED restart if it fails

Restart=on-failure

Node-RED need a SIGINT to be notified to stop

KillSignal=SIGINT

[Install]

WantedBy=multi-user.target