

## CREATE AND CONFIGURE IBM CLOUD SERVICE

### Create Node-Red service

Date	15 September 2022
Team ID	PNT2022TMID50704
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/Raspbian 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 -zxvf /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**

