系統環境Raspbian arm64 v2020.8.20

{先執行升級與更新--------------------------------------------------------------------------------

1.執行升級與更新

指令[ sudo apt update -y ]

指令[ sudo apt upgrade -y ]

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{安裝MQTT--------------------------------------------------------------------------------

1.安裝MQTT

指令[ sudo apt install mosquitto mosquitto-clients -y ]

2.查看MQTT服務狀態

指令[ systemctl status mosquitto ]

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{安裝mongodb 4.2.X--------------------------------------------------------------------------------

參考內容的網址

<https://andyfelong.com/2019/11/mongodb-4-2-x-64-bit-on-raspberry-pi-4/>

1.下載憑證

指令[ wget -qO - https://www.mongodb.org/static/pgp/server-4.2.asc | sudo apt-key add - ]

2.新增mongo-org4.2來源列表

指令[ echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu bionic/mongodb-org/4.2 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-4.2.list ]

3.執行升級與更新

指令[ sudo apt update -y ]

指令[ sudo apt upgrade -y ]

4.安裝mongodb

指令[ sudo apt-get install mongodb-org -y ]

5.執行升級與更新

指令[ sudo apt update -y ]

指令[ sudo apt upgrade -y ]

6.重新開機

指令[ sudo reboot ]

7.將mongo設置預設開機啟動

指令[ sudo systemctl enable mongod ]

8.將mongo重新啟動

指令[ sudo systemctl restart mongod ]

9.查看mongod服務狀態

指令[ systemctl status mongod ]

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{安裝node--------------------------------------------------------------------------------

1.安裝curl等套件及工具

指令[ sudo apt -y install curl dirmngr apt-transport-https lsb-release ca-certificates ]

2.變更nodejs預設安裝來源程式為12.x版

指令[ curl -sL https://deb.nodesource.com/setup\_12.x | sudo -E bash - ]

3.安裝node及npm

指令[ sudo apt-get install nodejs ]

4.查看node版本指令[ node -v ]

5.查看npm版本

指令[ npm -v ]

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{安裝node的mqtt及mongo的modules----------------------------------------------------------------------

1.在根目錄新增node資料夾

指令[ sudo mkdir /node ]

2.移至node目錄下

指令[ cd /node ]

3.安裝mqtt的modules

指令[ sudo npm install mqtt --save ]

4.安裝mongo的modules

指令[ sudo npm install mongodb --save ]

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