



Developer Cloud Summit: South Africa 2021

Learn about the next wave of cloud services
from Microsoft, GitHub and VS Code

VMware Apache
Canonical RedHatElastic
ClouderaAzureCosmosDB
RedisLabsHashiCorpUbuntuDe
bianAzureDBforMySQLFlatcar
Linux-Developer-Cloud-Summit-open
SUSECentOSHDFS AzureDBfor
PostgreSQLApacheCanonic
alSQLServerGitHubEla
sticopenSUSEUbun
tuSQLServerDe
bianCent
OS



Automating your home or office with IoT Central and Power Apps

VMware Apache
Canonical RedHatElastic
ClouderaAzureCosmosDB
RedisLabsHashiCorpUbuntuDe
bianAzureDBforMySQLFlatcar
Linux-Developer-Cloud-Summit-open
SUSECentOSHDFS AzureDBfor
PostgreSQLApacheCanonic
alSQLServerGitHubEla
sticopenSUSEUbun
tuSQLServerDe
bianCent
OS

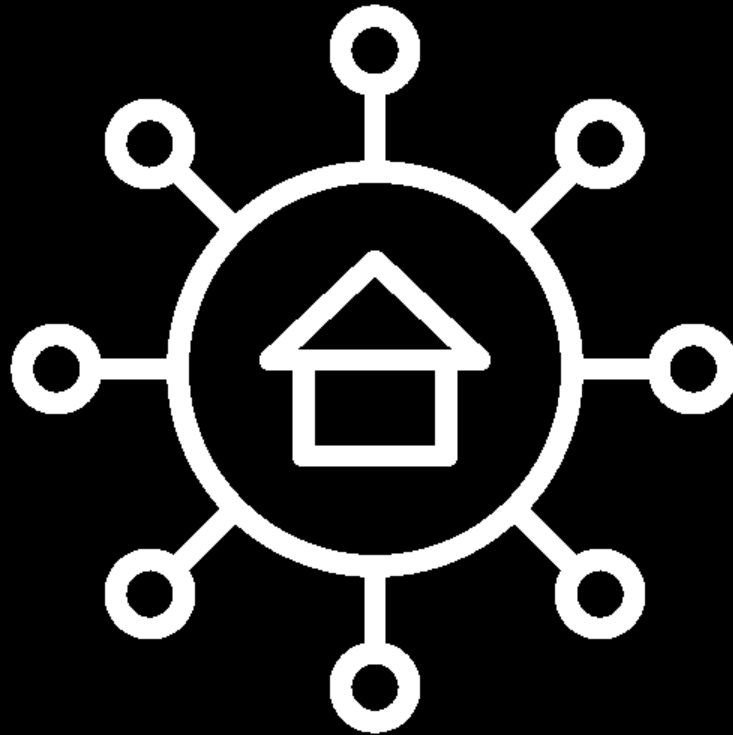
What is this session about?



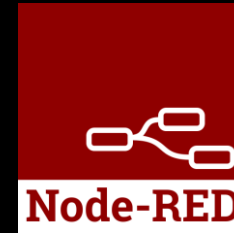
Azure IoT Central



PowerApps

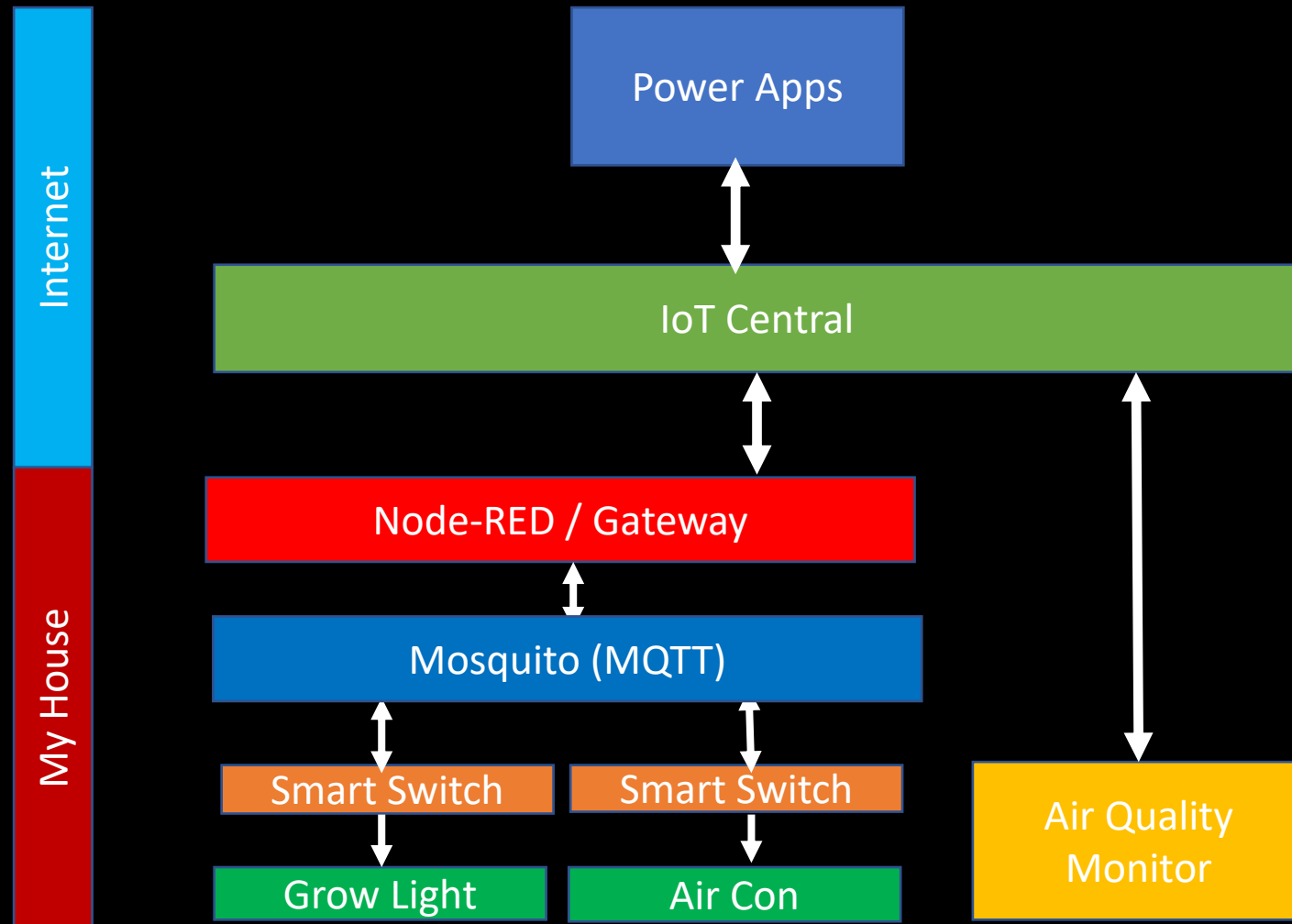


Power Automate



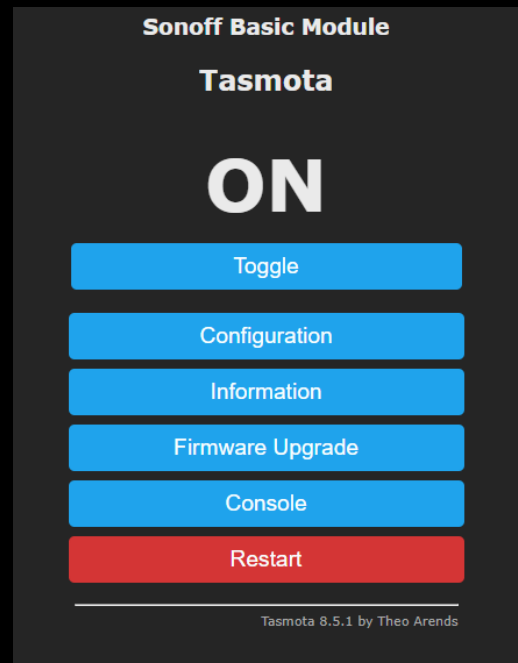
Home Automation

Automating the Home Office



Home Automation Devices

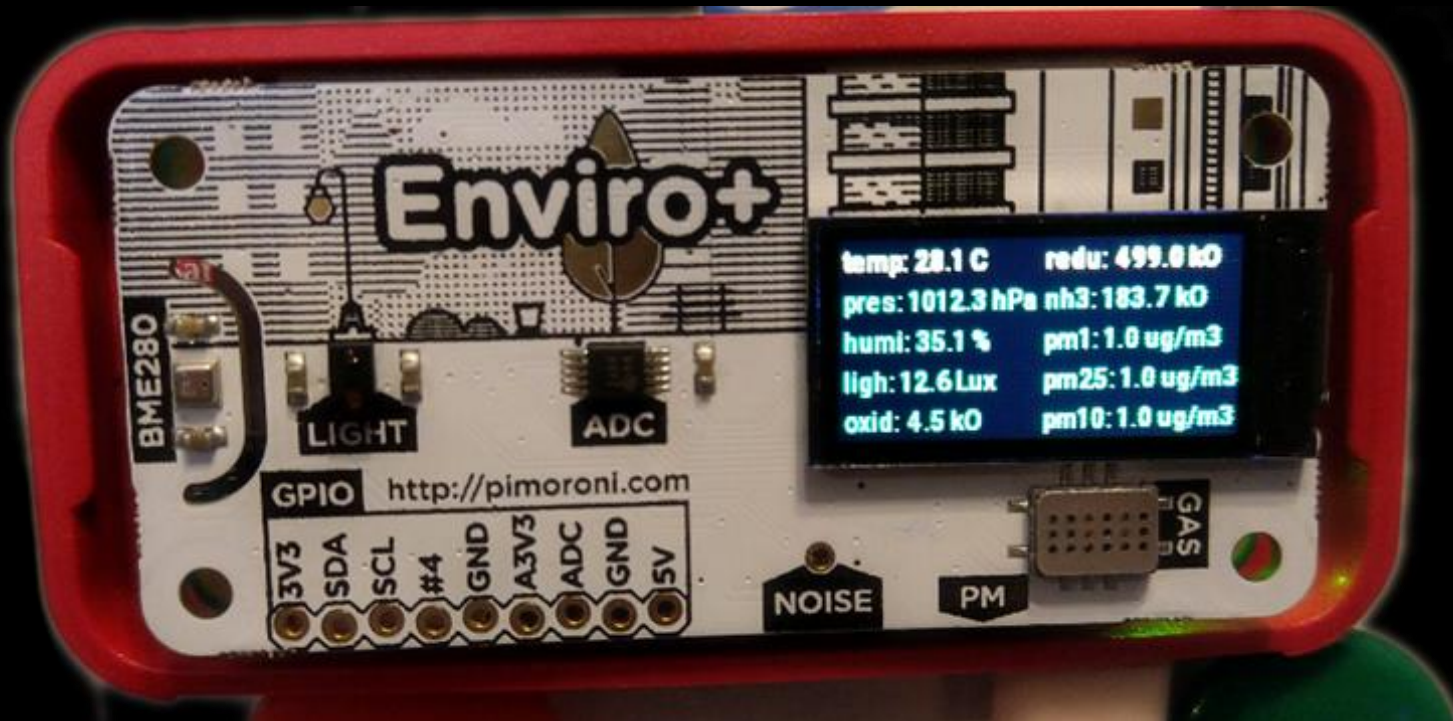
- Built in Relays to Switch on 220 V Things
- Low Work / Low Code IoT
- Support MQTT Locally via Tasmota firmware



VMware Apache
Canonical RedHatEla
tliclouders AzureCosmosDB
RedIsLabsHashicorpUbuntuDe
bianAzureDBForMySQLFlatcar
Linux-Developer-CloudSummit-open
SUSECentOSHPFS AzureDB For
PostgreSQL ApacheCanonic
alSQLServerGitHubEla
sticopenSUSEUn
tusQLServerDe
bianCent
OS

Office Air Quality Monitor

IoT Central Firmware - Python



- Temperature
- Pressure
- Humidity
- Light
- Proximity
- Analog gas sensor
- Particulate Matter Sensor



DEMO

Home Automation

VMware Apache
Canonical RedHatElastic
ClouderaAzureCosmosDB
RedisLabsHashiCorpUbuntuDe
bianAzureDBforMySQLFlatcar
Linux-Developer-Cloud-Summit-open
SUSECentOSHDFS AzureDBfor
PostgreSQLApacheCanonic
alSQLServerGitHubEla
sticopenSUSEUbun
tuSQLServerDe
bianCent
OS

Questions?

- Twitter: @adpead
- About.me: https://about.me/allan_pead
- LinkedIn: <https://www.linkedin.com/in/adpead/>

- Blog: <https://explorationspace.co.za/2021/02/07/microsoft-cloud-summit-iot-2021/>

Thank you!!

Resources

IoT Central

<https://azure.microsoft.com/en-us/services/iot-central/>

Power Apps

<https://powerapps.microsoft.com/en-us/>

Node-RED

<https://nodered.org/>

Tasmota

<https://tasmota.github.io/docs/>

Environmental Monitor

https://www.pishop.co.za/store/enviro--for-raspberry-pi?keyword=enviro&category_id=0

Sonoff

<https://www.takealot.com/all?filter=Brand:Sonoff>



VMware Apache
Canonical RedHatEla
ticClouderaAzureCosmosDB
RedisLabsHashiCorpUbuntuDe
bianAzureDBforMySQLFlatcar
LinuxDeveloperCloudSummitOpen
SUSECentOSHPDAzureDBfor
PostgreSQLApacheCanonic
alSQLServerGitHubEla
sticopenSUSEibun
tuSQLServerDe
bianCent
OS