

Third Week: IoT node with AWS Links & Code

Sites to register to

- <https://os.mbed.com/mbed-os/>
- <https://console.aws.amazon.com/iot> It can take up to 24 hours for Amazon to setup the account allowing you to create "Things" and "Policies". There is a limit of 2000 messages per month using the free account.

Policy to be pasted in AWS

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": "iot:Connect",
      "Resource": "*"
    },
    {
      "Effect": "Allow",
      "Action": "iot:Publish",
      "Resource": "*"
    },
    {
      "Effect": "Allow",
      "Action": "iot:Subscribe",
      "Resource": "*"
    },
    {
      "Effect": "Allow",
      "Action": "iot:Receive",
      "Resource": "*"
    }
  ]
}
```

```
}  
]  
}
```

Importing Mbed code

<https://os.mbed.com/compiler/#import:https://github.com/AlbinMartinsson/L475VG-IOT01A-Mbed-AWS-IoT>

Topic to subscribe to

Subscribe to `stm32/sensor`

Payload to publish

Publish to topic `stm32/action` with JSON string

```
{  
    "action": "turn on"  
}
```

or

```
{  
    "action": "turn off"  
}
```

AWS IoT

- What is AWS IoT? YouTube [video](#)

#kul4