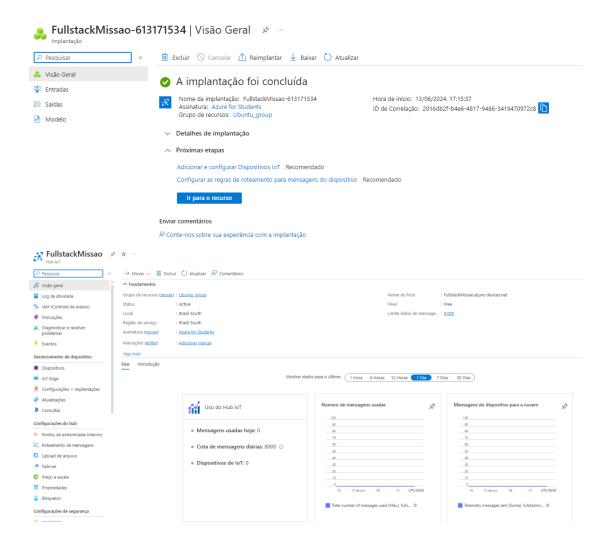


Mundo 4 - Missão Prática Nível 5

Italo Gabriel de Almeida Costa

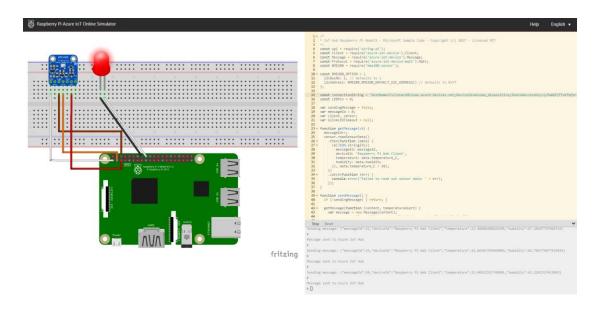
Microatividade 1 - Hub Criado



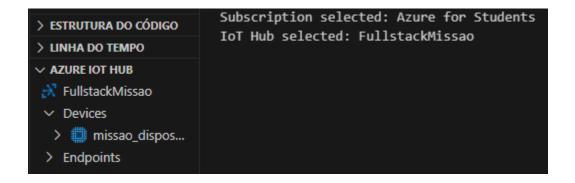
Microatividade 2



Microatividade 3



Microatividade 4



Microatividade 5

```
→ iotpy

iotpy

iotpy

iotpy

iotpy

iotpy

i # Copyright (c) Microsoft. All rights reserved.

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import asyncio
import random
import uuid

# Using the Python Device SDK for IoT Hub:
# Hutps://pithub.com/Azure/azure-iot-sdk-python
# Run 'pip install azure-iot-device' to install the required libraries for this application

# Run 'pip install azure-iot-device' to install the required libraries for this application

# Note: Requires Python 3.6+

# The sample connects to a device-specific MQTT endpoint on your IoT Hub.

from azure.iot.device.aio import IoTHubDeviceClient

from azure.iot.device import Message

## The device connection string to authenticate the device with your IoT hub.

CONNECTION_STRING = "HostName=FullstackMissao.azure-devices.net;DeviceId=missao_dispositivo;
SharedAccessKey=lyPw0qFCFFwFPqEbrZ+7qKngeewIq4BG2AIoTLeG3fg="

PROBLEMAS SADA CONSOLE DE DEPUBAÇÃO TERMINAL PORTAS AZURE

Sending message: ("temperature": 34.54, "humidity": 77.48}

Sending message: ("temperature": 38.52, "humidity": 76.35}

Sending message: ("temperature": 38.52, "humidity": 75.31}

Sending message: ("temperature": 22.13, "humidity": 69.64)

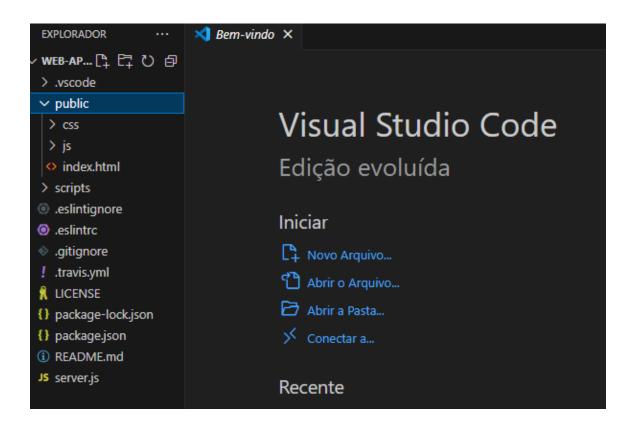
Sending message: ("temperature": 22.33, "humidity": 73.57}

Sending message: ("temperature": 21.18, "humidity": 73.57}

Sending message: ("temperature": 21.18, "humidity": 77.626}

Shutting down device client
```

Missão Prática



```
{
  "etag": null,
  "id": "/subscriptions/b8c6604f-1afb-4526-9935-987cf8fc5d2a/resourceGroups/Ubuntu_group/providers/Microsoft.Devices/IotHubs/FullstackMissao/
eventHubEndpoints/events/ConsumerGroups/Ubuntu_group",
  "name": "Ubuntu_group",
  "properties": {
      "created": "Fri, 14 Jun 2024 23:35:37 GMT",
      "properties": {
      "name": "Ubuntu_group"
    }
  },
  "resourceGroup": "Ubuntu_group",
  "type": "Microsoft.Devices/IotHubs/EventHubEndpoints/ConsumerGroups"
}
```

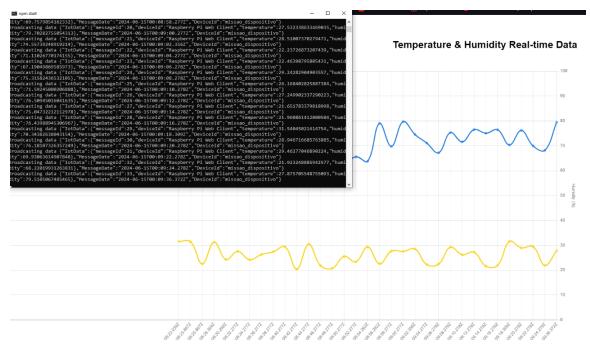
```
> webapp@0.0.1 start
> node server.js

Using IoT Hub connection string [HostName=FullstackMissao.azure-devices.net;SharedAccessKeyName=service;SharedAccessKey=HostName=FullstackMissao.azure-device;SharedAccessKey=DTsHrX87xFArbA5quzpABNn1KSQQPtu6y
AIoTNUTy1U=]
Ubuntu_group
Using event hub consumer group [Ubuntu_group]
Listening on 3000.
Successfully created the EventHubConsumerClient from IoT Hub event hub-compatible connection string.
The partition ids are: ['0', '1']
```

set IotHubConnectionString=HostName=YOUR_IOT_HUB_NAME.azure-devices.net;SharedAccessKeyName=service;SharedAccessKeyName=service;SharedAccessKey=DTsHrX87xFArbA5quzpABNn1KSQQPtu6yAIoTNUTy1U=

set EventHubConsumerGroup=Ubuntu_group

```
{
  "elasticScaleEnabled": false,
  "extendedLocation": null,
  "freeOfferExpirationTime": null,
  "geoRegion": "Brazil South",
  "hostingEnvironmentProfile": null,
  "hyperV": false,
  "id": "/subscriptions/b8c6604f-1afb-4526-9935-987cf8fc5d2a/resourceGroups/Ubuntu_group/providers/Microsoft.Web/serverfarms/appmissaofullstack",
  "isSpot": false,
  "isSenon": false,
  "kind": "app",
  "kubeEnvironmentProfile": null,
  "location": "brazilosuth",
  "maximumPlasticWorkerCount": 1,
  "maximumPlasticWorkerCount": 1,
  "maximumPlasticWorkerCount": 0,
  "name": "appmissaofullstack",
  "numberOfWorkers": 0,
  "perSiteScaling": false,
  "provisioningState": "Succeeded",
  "reserved": false,
  "resourceGroup?: "Ubuntu_group",
  "sku": {
  "capabilities": null,
  "capacity": 0,
  "family": "F',
  "locations": null,
  "name": "FI",
```



```
"mp\MissaoPratica\web-apps-node-iot-hub-data-visualization-master> az webapp create --name appmissaocinco --resource-group Ubuntu_group
--plan appmissaocinco' already exists. The command will use the existing app's settings.
Local git is configured with url of 'https://None@appmissaocinco.scm.azurewebsites.net/appmissaocinco.git'

{
    "availabilityState": "Normal",
    "clientCertBabled": false,
    "clientCertExclusionPaths": null,
    "clientCertExclusionPaths": null,
    "cloningInfo: null,
    "containerSize": 0,
    "custonDomainVerificationId": "8214A86A895431C8CA5605832874C2D9FDFE0AA2EAC7841E4A7893ED1E4E0C58",
    "dailyMemoryTimeQuota": 0,
    "dailyMemoryTimeQuota": 0,
    "defaultInstName": "appmissaocinco.azurewebsites.net",
    "deploymentLocalGitUrl": "https://None@appmissaocinco.scm.azurewebsites.net/appmissaocinco.git",
    "enableddostNames": [
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "pmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "appmissaocinco.azurewebsites.net",
    "hostNameSsIStates": [
    "ftps://waws-prod-cq1-051.ftp.azurewebsites.windows.net/site/wwwroot",
    "hostNameSsIStates": [
```

"Running"

MissaoPratica\web-apps-node-iot-hub-data-visualization-master> az webapp show -n appmissaocinco -g Ubuntu_group --query state

