

Faculdade Estácio - Campus - Monte Castelo

Curso: Desenvolvimento Full Stack

Disciplina: Vamos interligar as coisas com a nuvem

Número da Turma: RPG0027

Semestre Letivo: 4

Integrante: Lucas de Oliveira dos Santos

Repositório: https://github.com/Lucasph3/mundo4-missao5

1. Título da Prática:

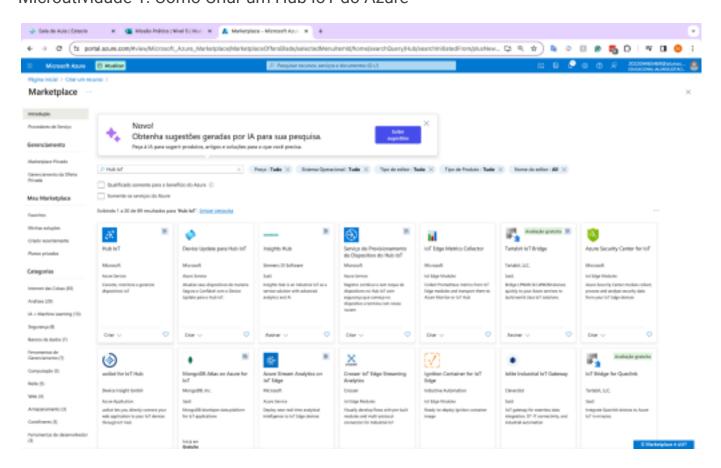
RPG0027 - Vamos interligar as coisas com a nuvem

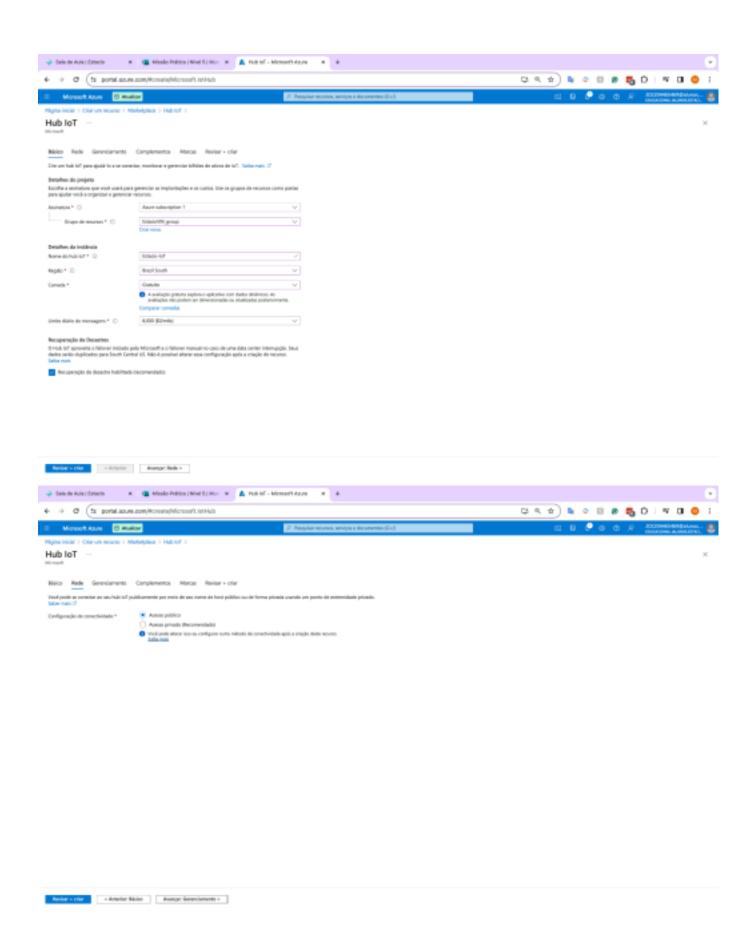
2. Objetivos da Prática:

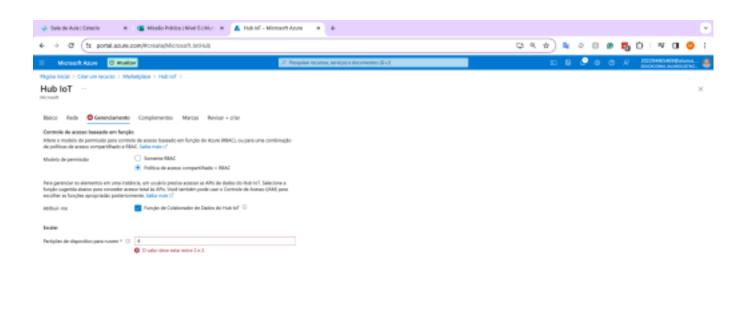
- Como criar um Hub IoT do Azure;
- Como registrar um novo dispositivo no Hub IoT;
- Adicionando extensão Hub IoT do Azure para Visual Studio Code;
- Gerenciando e interagindo com o Hub IoT.

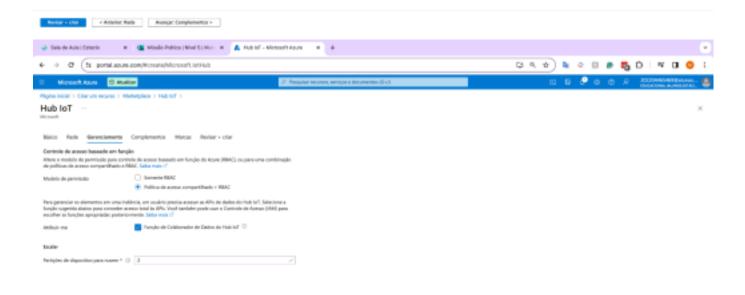
3. Resultados da execução dos códigos:

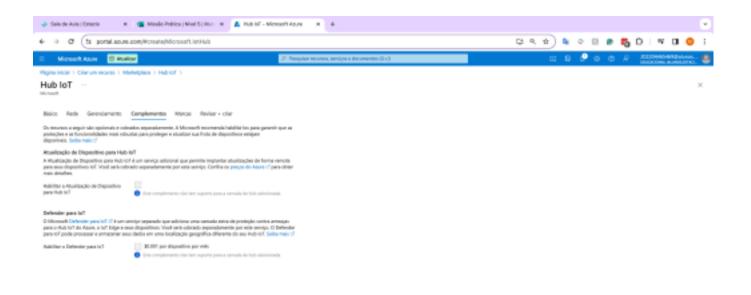
Microatividade 1: Como Criar um Hub IoT do Azure

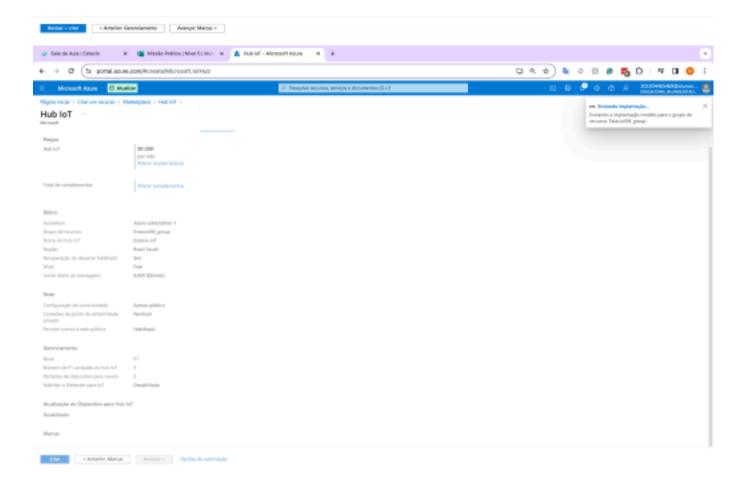


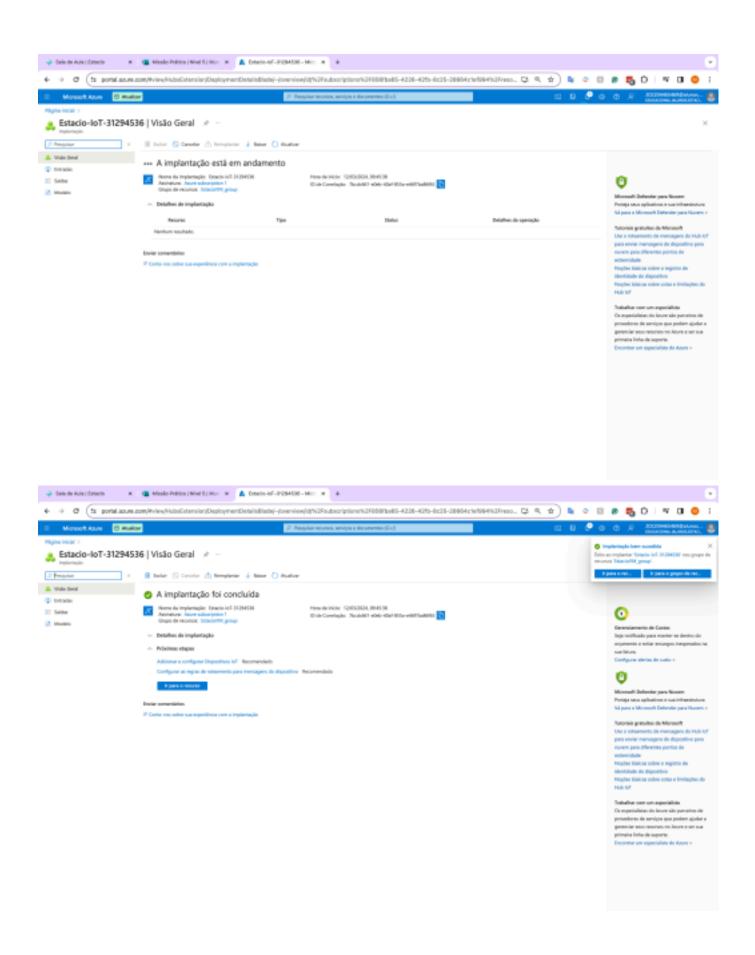


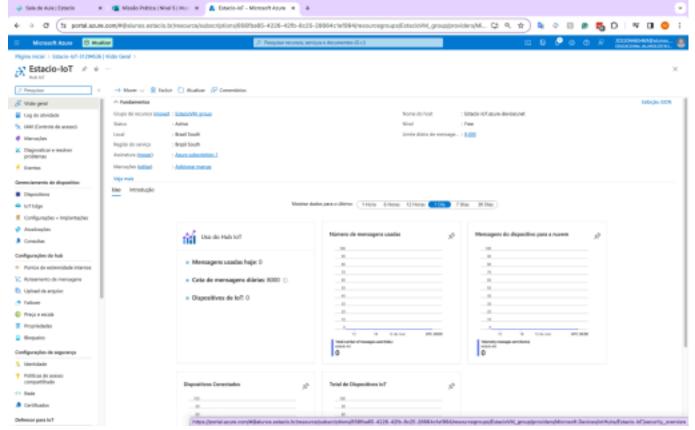




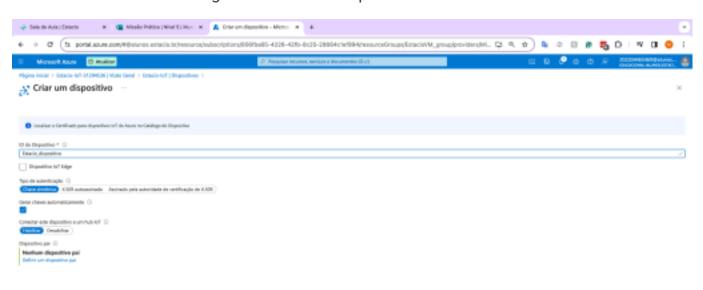


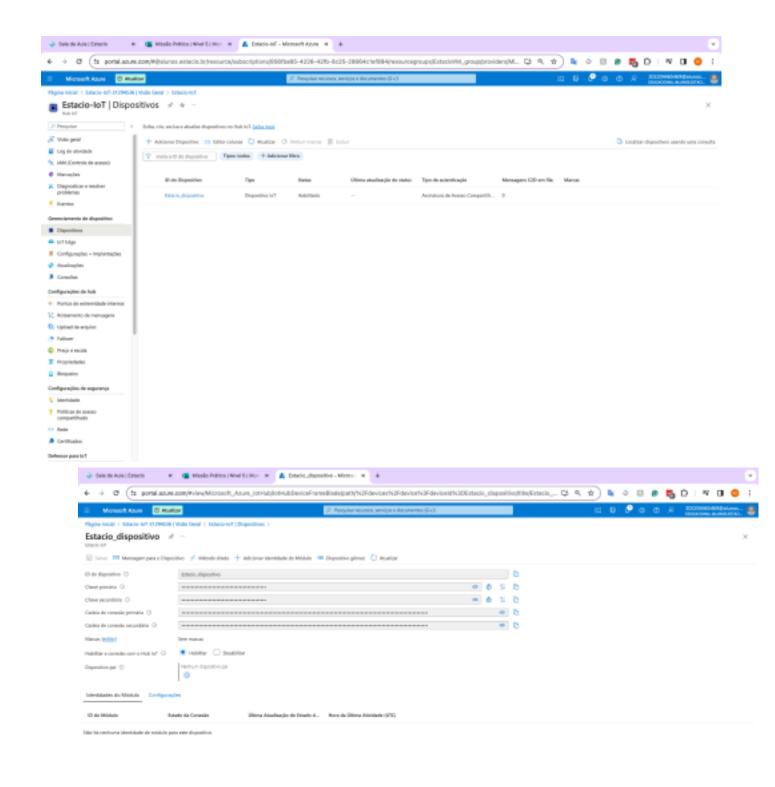




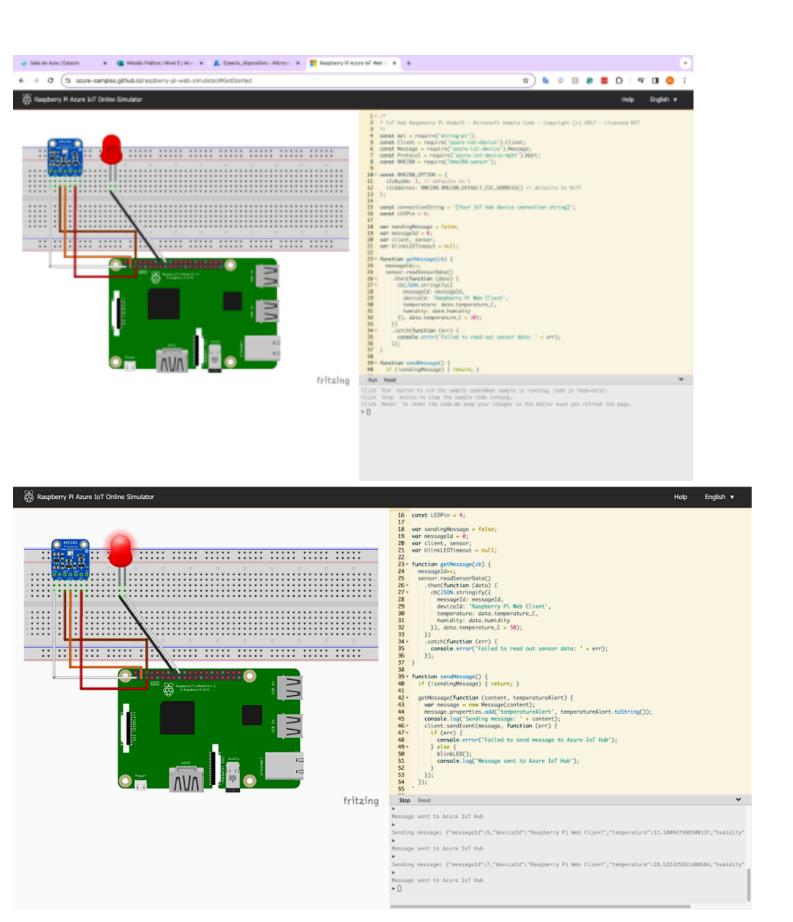


Microatividade 2: Como registrar um novo dispositivo no Hub IoT

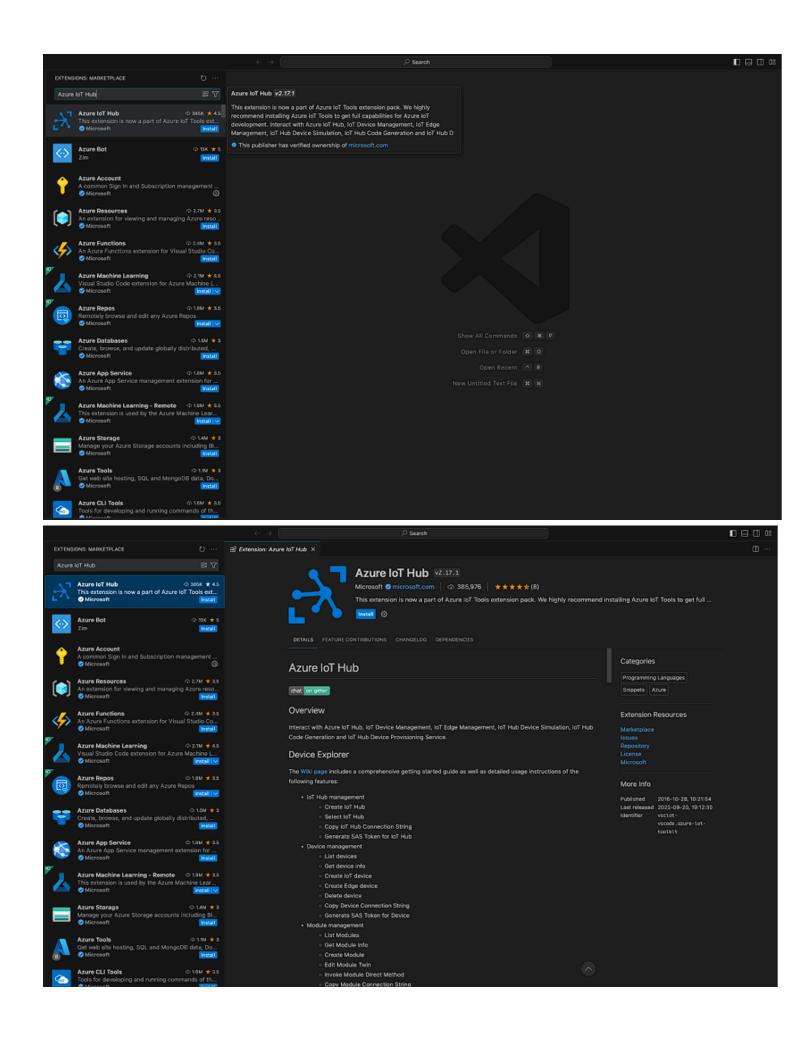


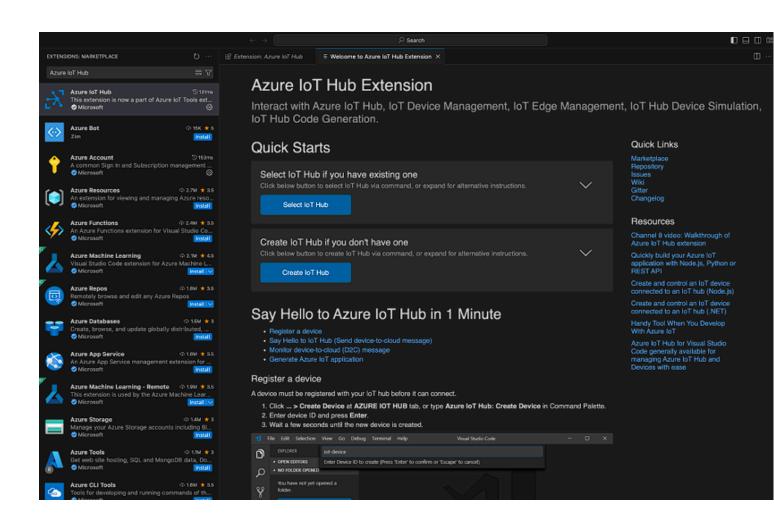


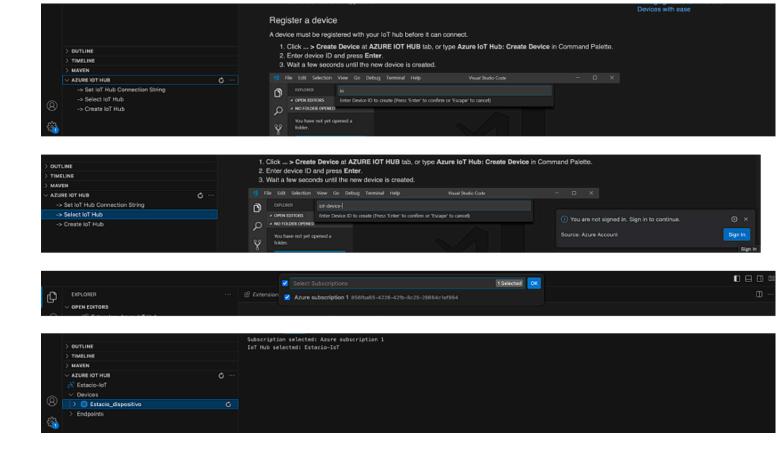
Microatividade 3: Conectar o simulador online Raspberry Pi ao Hub IoT do Azure



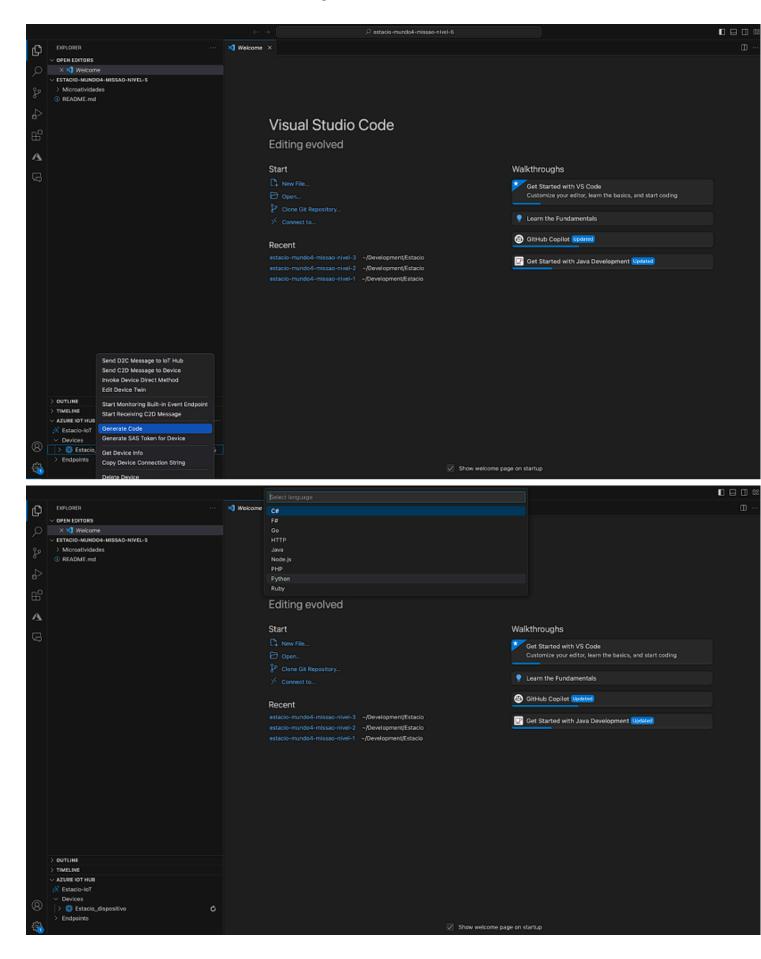
Microatividade 4: Adicionando extensão Hub IoT do Azure para Visual Studio Code

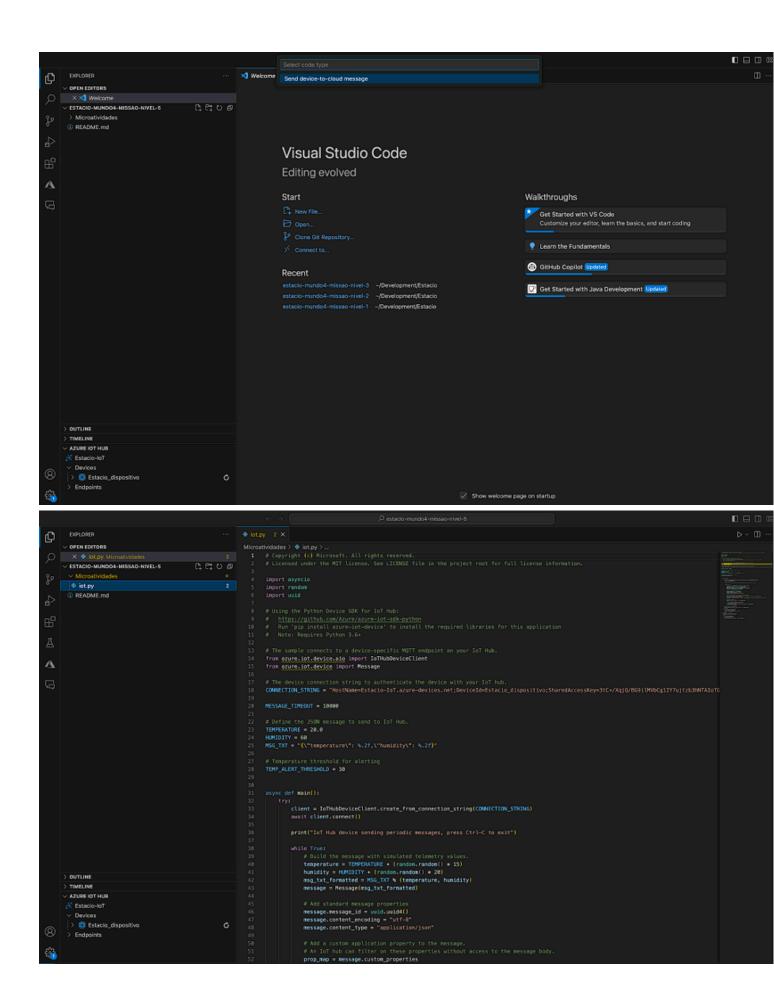






Microatividade 5: Gerenciando e interagindo com o Hub IoT





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README.md
                                                                                                   # The sample connects to a device-specific MOTT endpoint on your IoT Hub
from azure.iot.device.aio import IoTHubDeviceClient
from azure.iot.device import Message
                                                                                                   HUMIDITY = 60
MSG_TXT = "{\"temperature\": %.2f,\\"humidity\\": %.2f)\"
                                                                                                   # Temperature threshold for alerting
TEMP_ALERT_THRESHOLD = 30
                                                                                                   async def main():
    try:
    client = IoTHubDeviceClient.create_from_connection_string(CONNECTION_STRING)
    await client.connect()

    D. Python + ∨ □ ★ ··· ^

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    Microatividades

                                                                                                    const { EventHubProducerClient, EventHubConsumerClient } = require('@azure/event-hubs');
const { convertIotHubToEventHubsConnectionString } = require('./iot-hub-connection-string.js');
   > .vscode
                                                                                                        constructor(iotNubConnectionString, consumerGroup) (
   this.iotNubConnectionString = iotNubConnectionString;
   this.consumerGroup = consumerGroup;
     JS chart-device-data.js
                                                                                                           const eventHubConnectionString = avait convertIotHubToEventHubsConnectionString(this.iotHubConnectionString);
const consumerClient = new EventHubConsumerClient(this.consumerGroup, eventHubConnectionString);
console.log('Successfully created the EventHubConsumerClient from IoT Hub event hub-compatible connection string.');
    # event-hub-reader.js
    iot-hub-connection-string.js
    eslintianore.
                                                                                                            const partitionIds = await consumerClient.getPartitionIds();
console.log('The partition ids are: ', partitionIds);
                                                                                                               consumerCisent.subscribe(
    for (let i = 0; i < events.length; ++i) {
    startRandMessageCallback(
        events[i].body,
        events[i].body,
        events[i].systemProperties["iothub-cannection-device-id"]];
}</pre>
 () package.ison
 README.md
                                                                                                                processError: (err, context) => {
  console.error(err.nessage || err);
                                                                                                       OUTLINE
AZURE IOT HUB
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                                                                                                           await Promise.all(disposeHandlers):
    Estacio_dispositivo
```

