	<p>Universidade Estácio Campus Caieiras Curso de Desenvolvimento Full Stack Relatório da Missão Prática 4 - Mundo 4</p>
<p>Disciplina:</p>	<p>RPG 0026 – Vamos interligar as coisas com a nuvem</p>
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<p>Turma:</p>	<p>2023.1</p>

Vamos interligar as coisas com a nuvem

1. Missão Prática: “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.
2. Endereço do repositório: <https://github.com/feeeehhhh/Mundo4-Missao-pratica5>

Figura 1: Configuração do HUB IOT

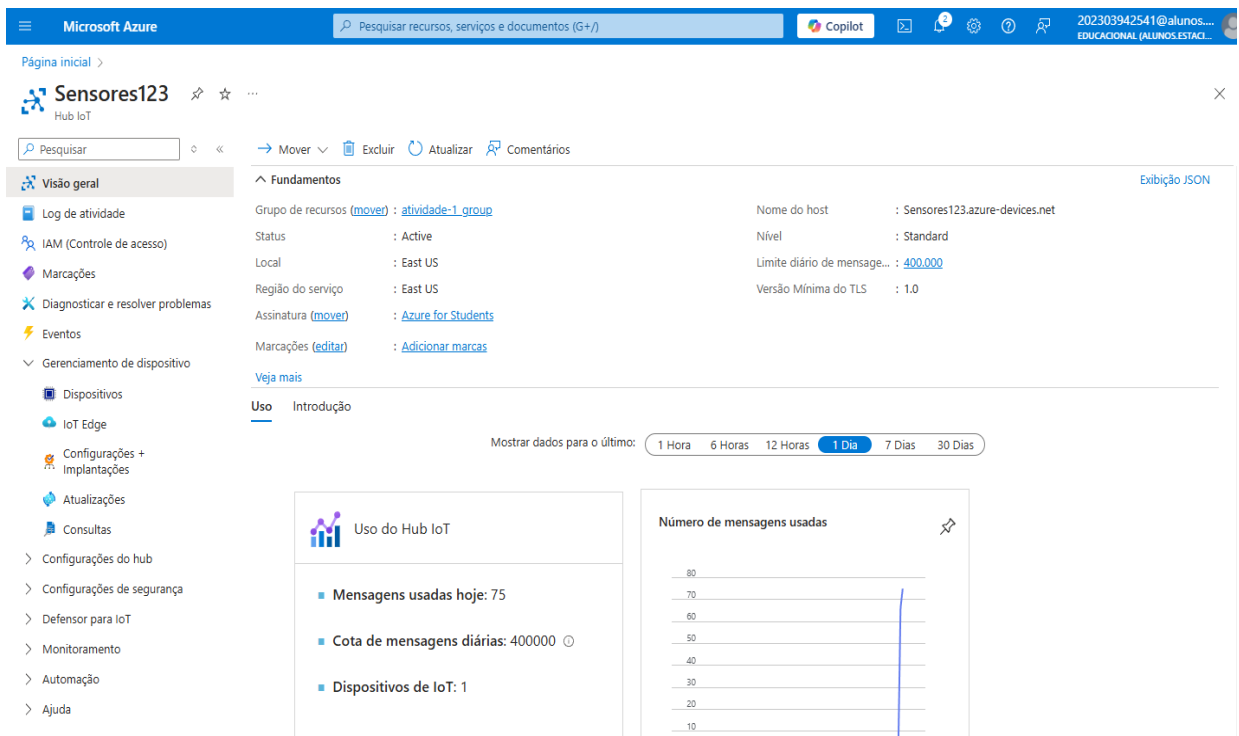


Figura 2 : Criação do Hub IOT na Azure

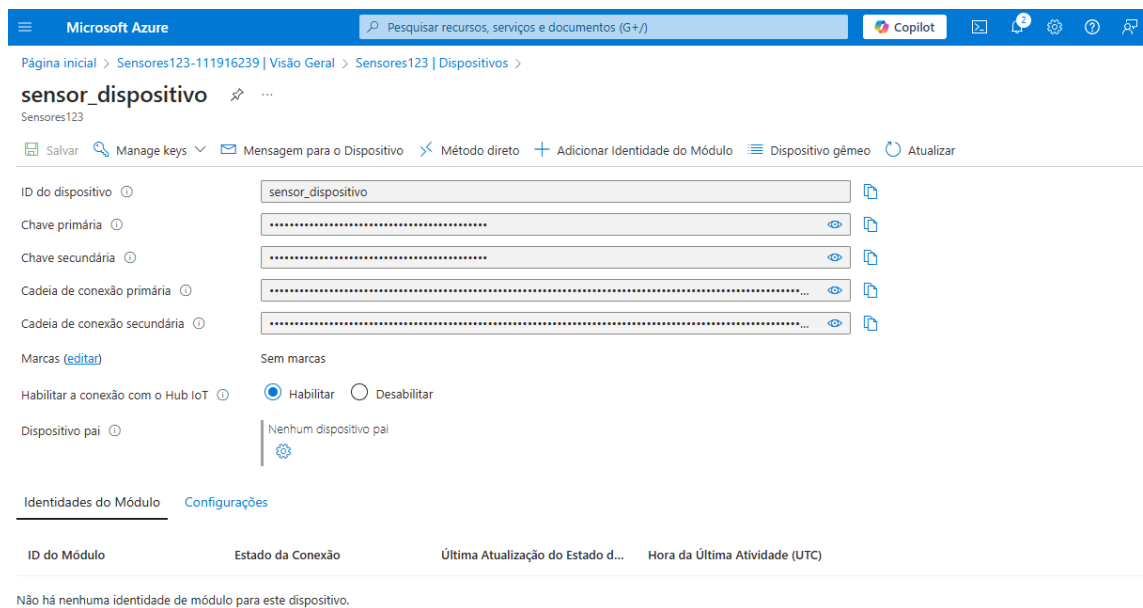


Figura 2 :Criando grupo de consumidores

```
examples from AI knowledge base:
elipe [ ~ ]$ az iot hub consumer-group create --hub-name Sensores123 --name group_consumer~
bash: $'\n': command not found
elipe [ ~ ]$ az iot hub consumer-group create --hub-name Sensores123 --name group_consumer
No IoT Hub found with name Sensores123 in current subscription.
elipe [ ~ ]$ az iot hub consumer-group create --hub-name Sensores123 --name group_consumer

{
  "etag": null,
  "id": "/subscriptions/2358a8e6-afed-4855-b379-1ad70ef6e37d/resourceGroups/atividade-1_group/providers/Microsoft.Devices/IotHubs/Sensores123/eventHubEndpoints/events/ConsumerGr
oups/group_consumer",
  "name": "group_consumer",
  "properties": {
    "created": "Tue, 19 Nov 2024 19:51:22 GMT",
    "properties": {
      "name": "group_consumer"
    }
  },
  "resourceGroup": "atividade-1_group",
  "type": "Microsoft.Devices/IotHubs/EventHubEndpoints/ConsumerGroups"
}

elipe [ ~ ]$ ~
```

Código Utilizado: az iot hub consumer-group create --hub-name Sensores123 --name group_consumer

Figura 3 :Configurando as variáveis de conexão

```
Welcome  JS server.js M X  .env U
web-apps-node-iot-hub-data-visualization > JS server.js > ...
You, 2 minutes ago | 3 authors (David R. Williamson and others)
1 require('dotenv').config();
2   You, 2 minutes ago * Uncommitted changes
3 const express = require('express');
4 const http = require('http');
5 const WebSocket = require('ws');
6 const path = require('path');
7 const EventHubReader = require('./scripts/event-hub-reader.js');
8
9
10 console.log('IotHubConnectionString:', process.env.IotHubConnectionString); // Verificando se
11 console.log('EventHubConsumerGroup:', process.env.EventHubConsumerGroup); // Verificando se a
12
13 const iotHubConnectionString = process.env.IotHubConnectionString;
14 const eventHubConsumerGroup = process.env.EventHubConsumerGroup;
15
Port
PROBLEMS OUTPUT TERMINAL PORTS GITLENS AZURE SPELL CHECKER 8 DEBUG CONSOLE node - web-apps-node-iot-hub-data-visualization + v [] [] ... ^ X
node server.js
IotHubConnectionString: HostName=Sensores123.azure-devices.net;DeviceId=sensor_dispositivo;SharedAccessKey=sHtPQRoImF0EVskBR8esCUmTvWf4dV11E7HXrrG8vE=
EventHubConsumerGroup: group_consumer
Using IoT Hub connection string [HostName=Sensores123.azure-devices.net;DeviceId=sensor_dispositivo;SharedAccessKey=sHtPQRoImF0EVskBR8esCUmTvWf4dV11E7HXrrG8vE=]
Using event hub consumer group [group_consumer]
Listening on 3000.
```

Comando pra obter cadeia de conexão:

az iot hub show-connection-string --hub-name Sensores123 --policy-name service

Resultado da conexão :

```
Using event hub consumer group [group_consumer]
Listening on 3000.
Successfully created the EventHubConsumerClient from IoT Hub event hub-compatible connection string.
The partition ids are: [ '0', '1', '2', '3' ]
```

Resultado final do projeto :

