PSI3541 2023
SISTEMAS EMBARCADOS DISTRIBUIDOS

AULA 05 14/04/2023

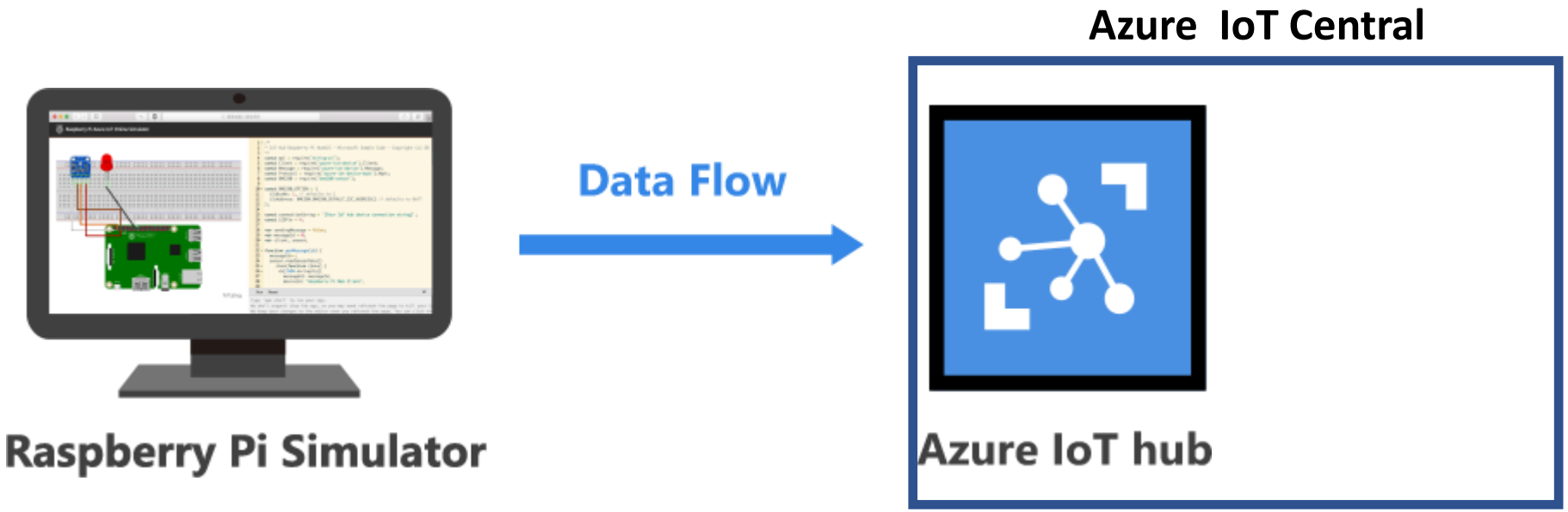
ATIVIDADE 5.1 CONECTAR SIMULADOR RASPBERRY PI AO IOT CENTRAL

PROF. SERGIO TAKEO KOFUJI - KOFUJI@USP.BR

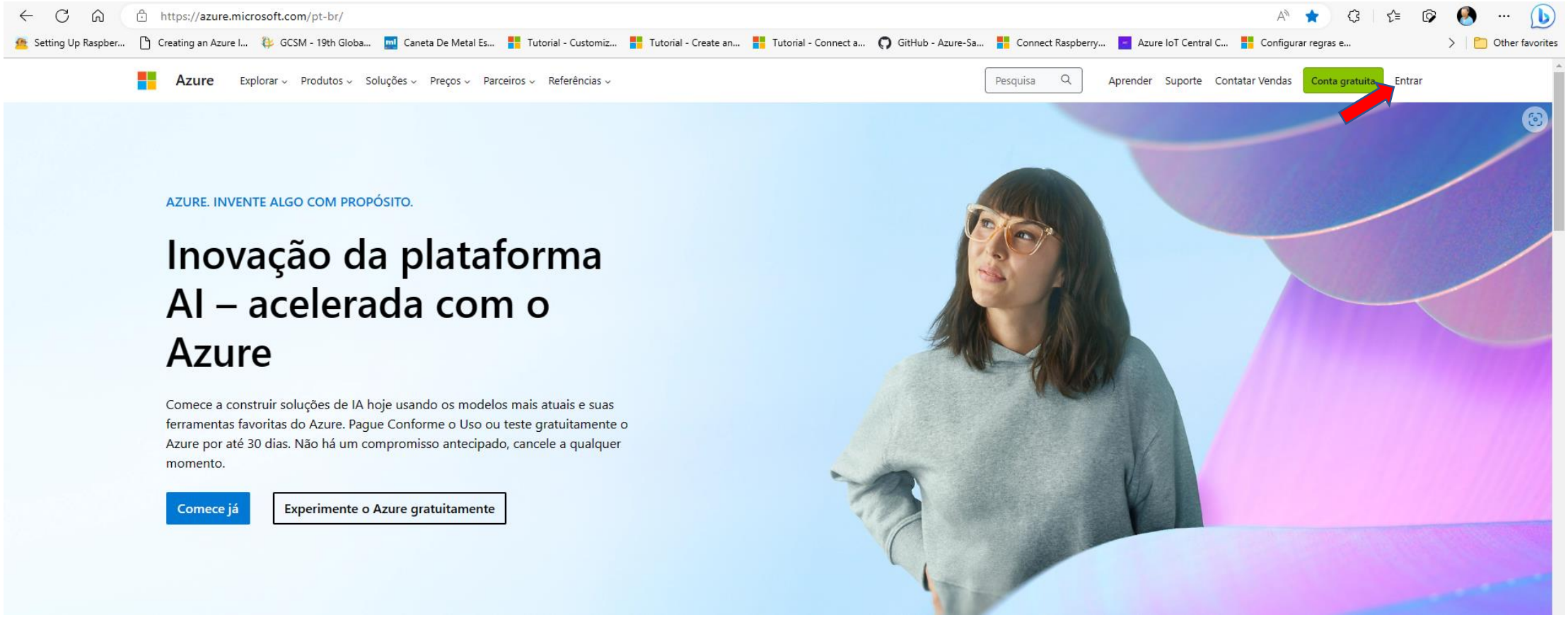
OBJETIVOS

- Aprender a conectar um novo dispositivo no Azure IoT Central
- Criar um Device Template Novo, incluindo novas “capabilities” e “views”
- Conectar o Simulador Raspberry Pi ao Azure IoT Central
- Verificar o funcionamento

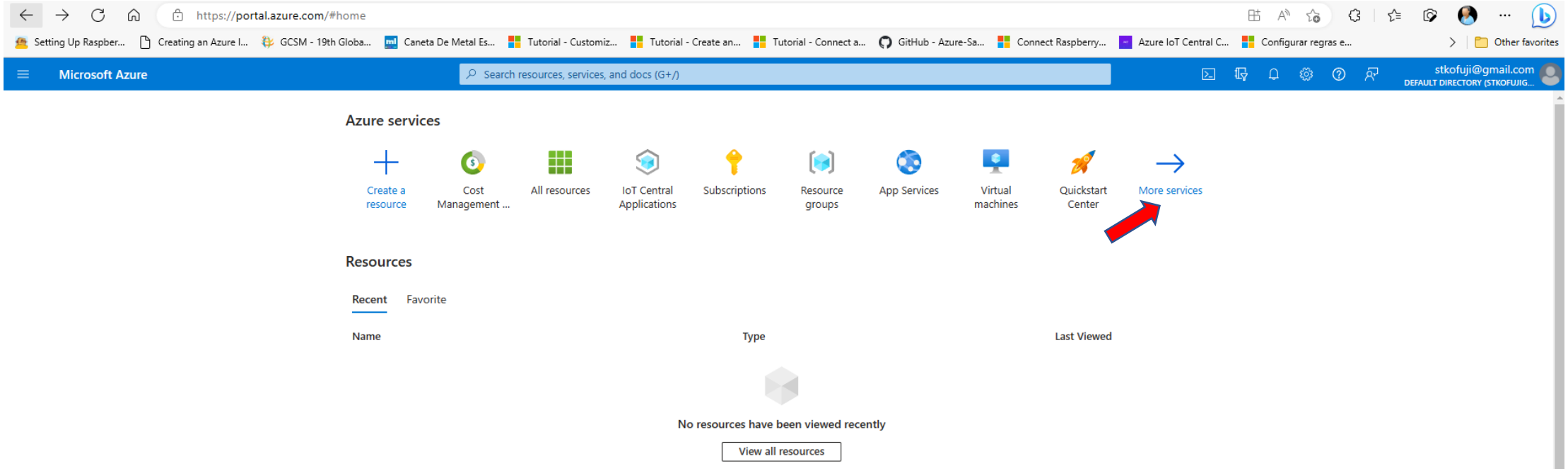
Vamos Conectar o Simulador Raspberry Pi ao Azure IoT Central



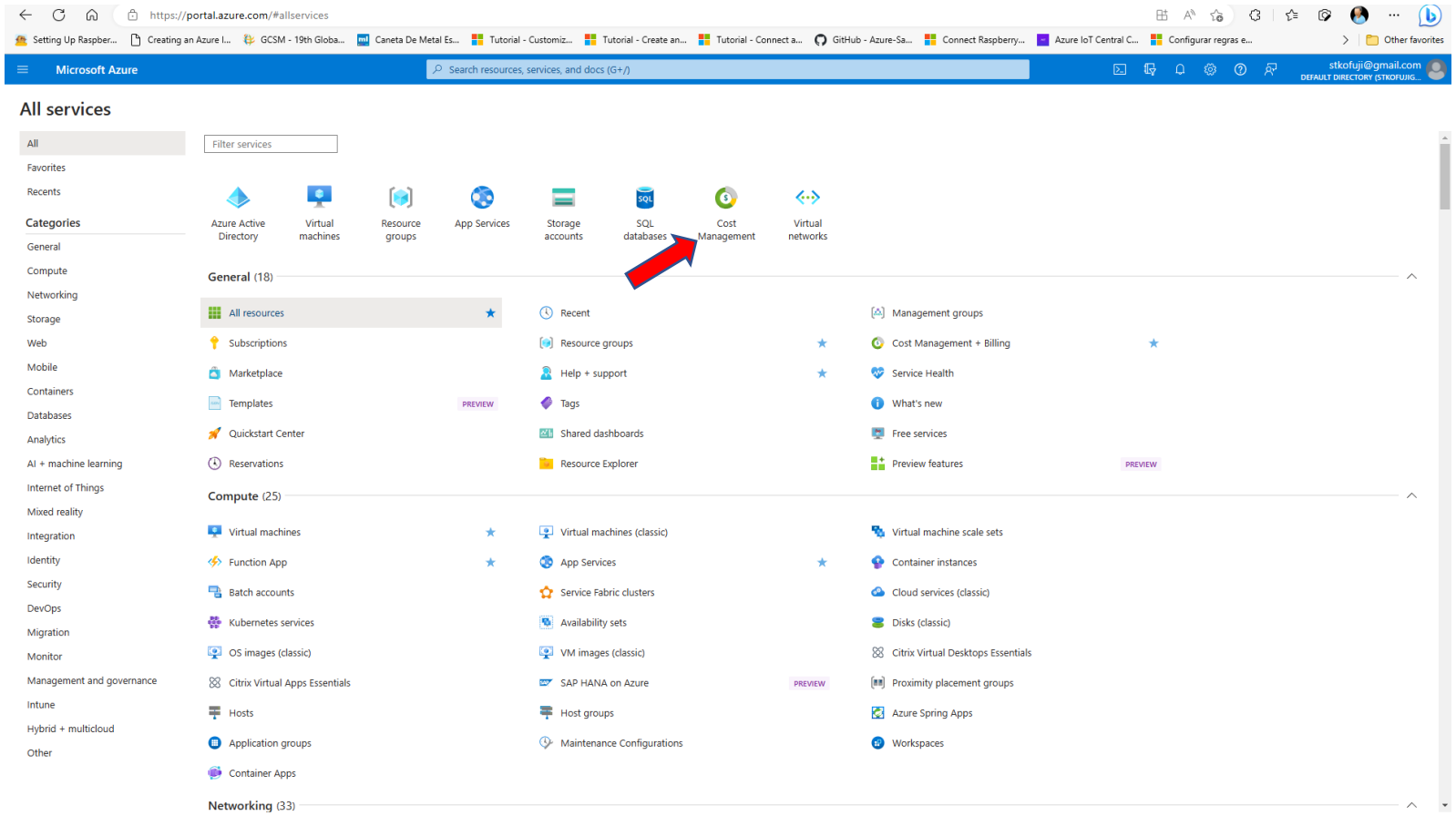
Entre no AZURE CLOUD



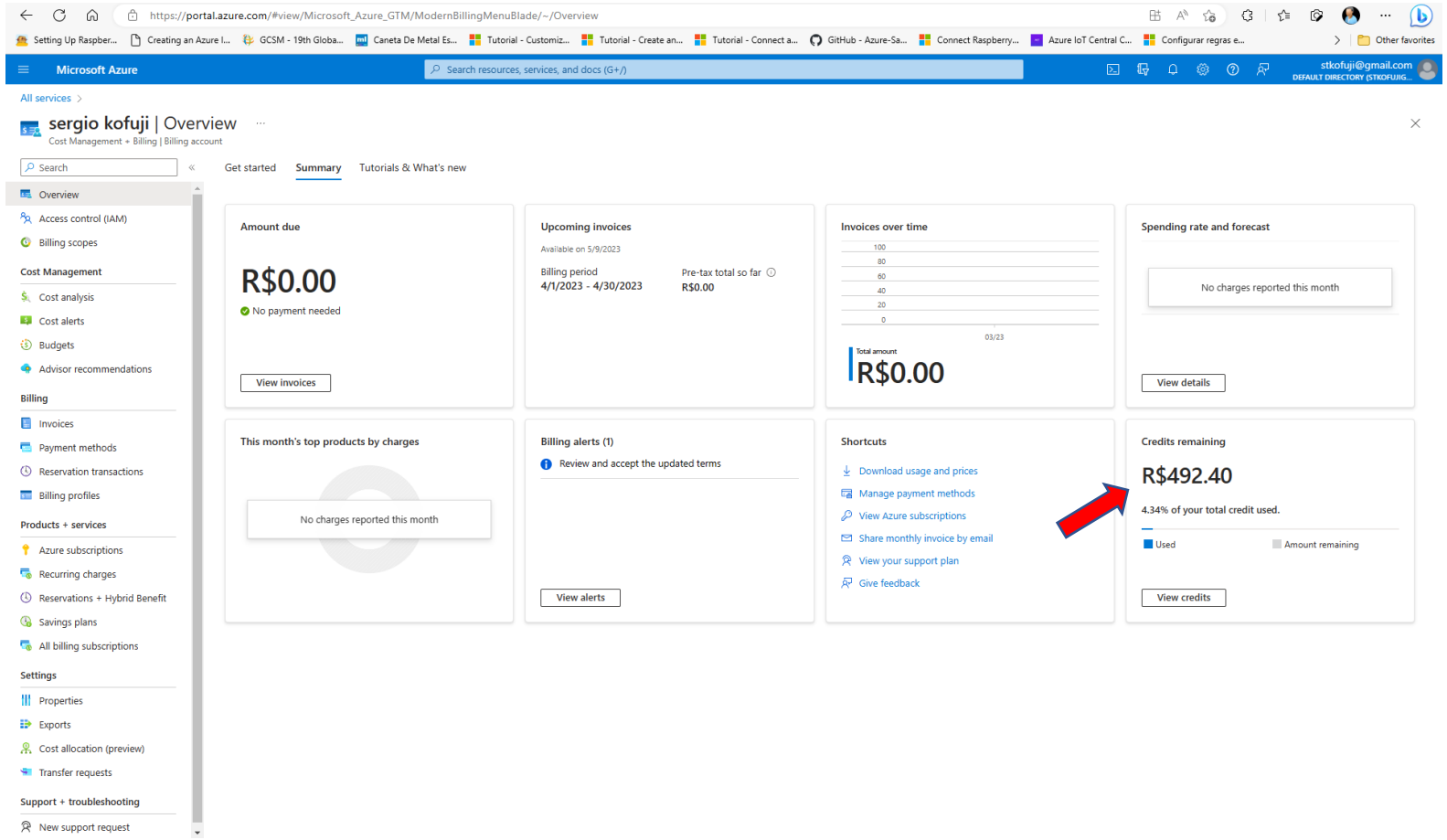
Primeiramente, verifique os seus gastos...



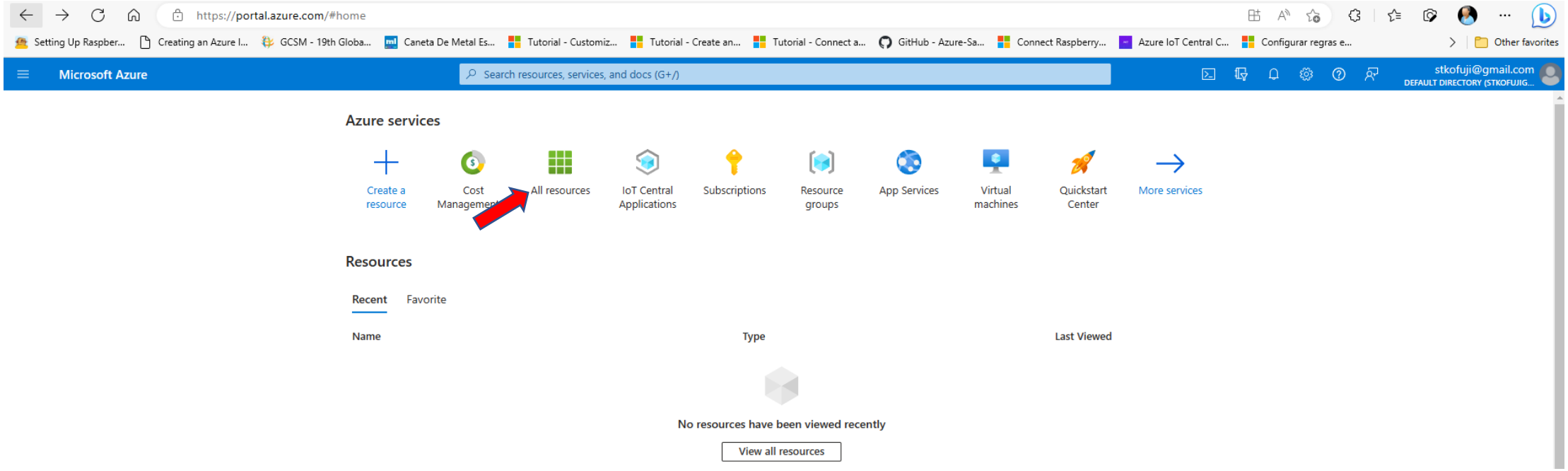
Vá para Gerenciamento de Custos



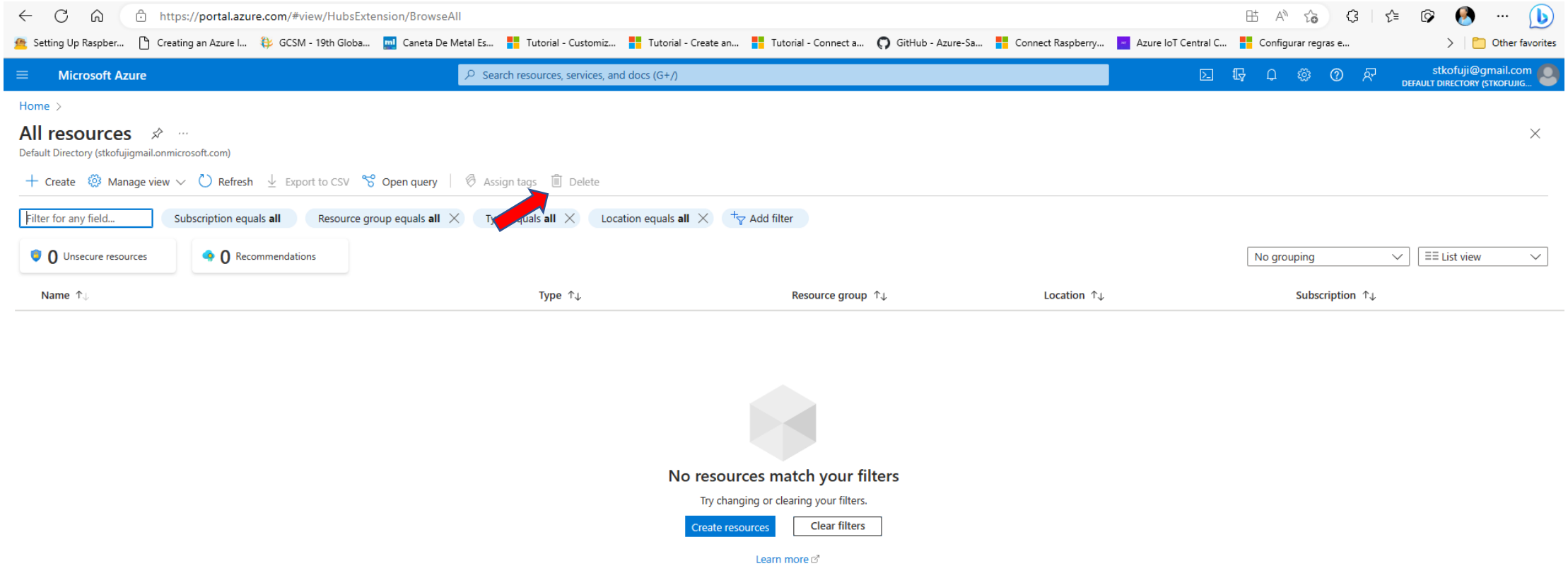
Consulte o balanço de gastos!!!



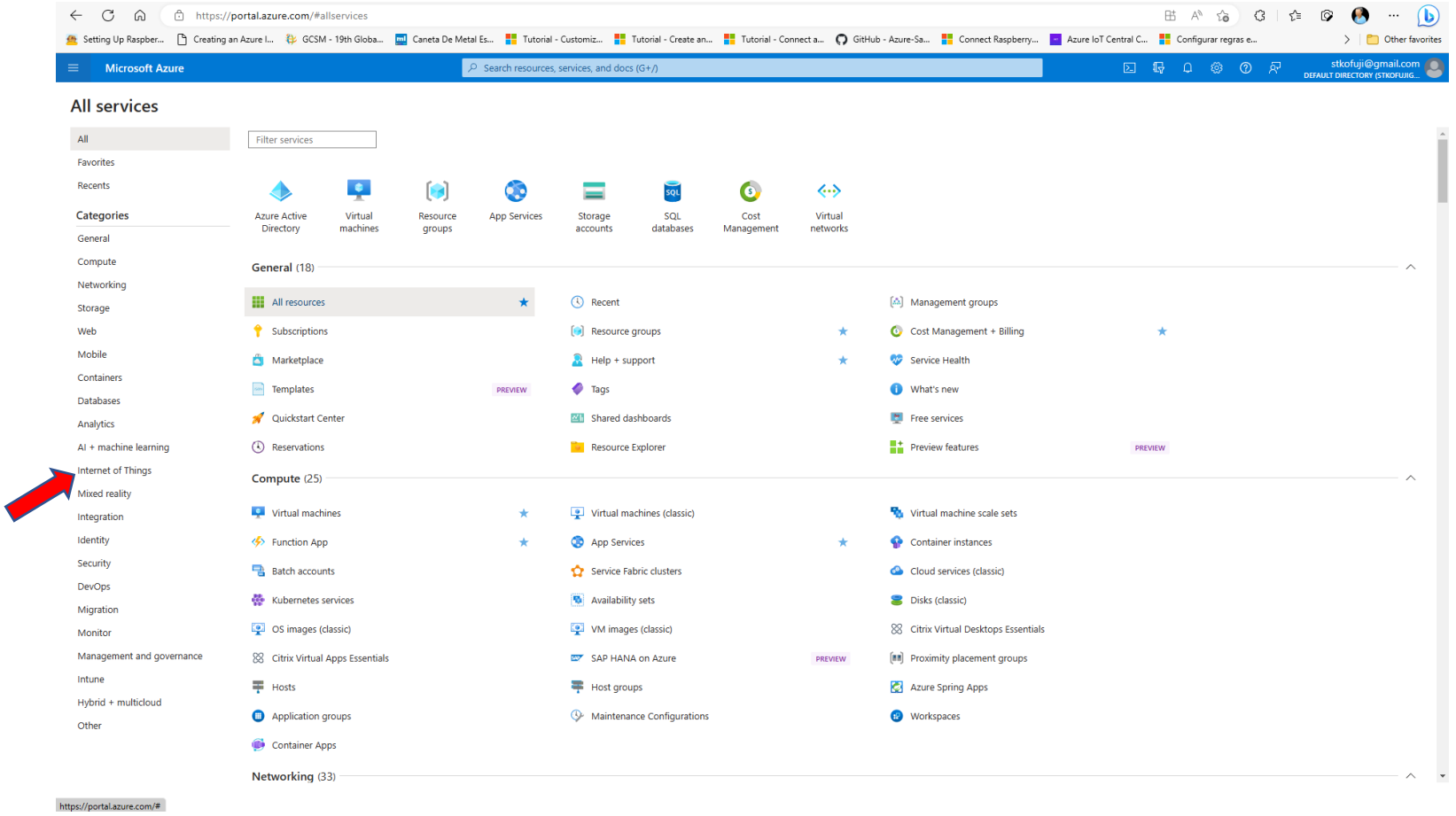
Verifique os Recursos atualmente alocados...



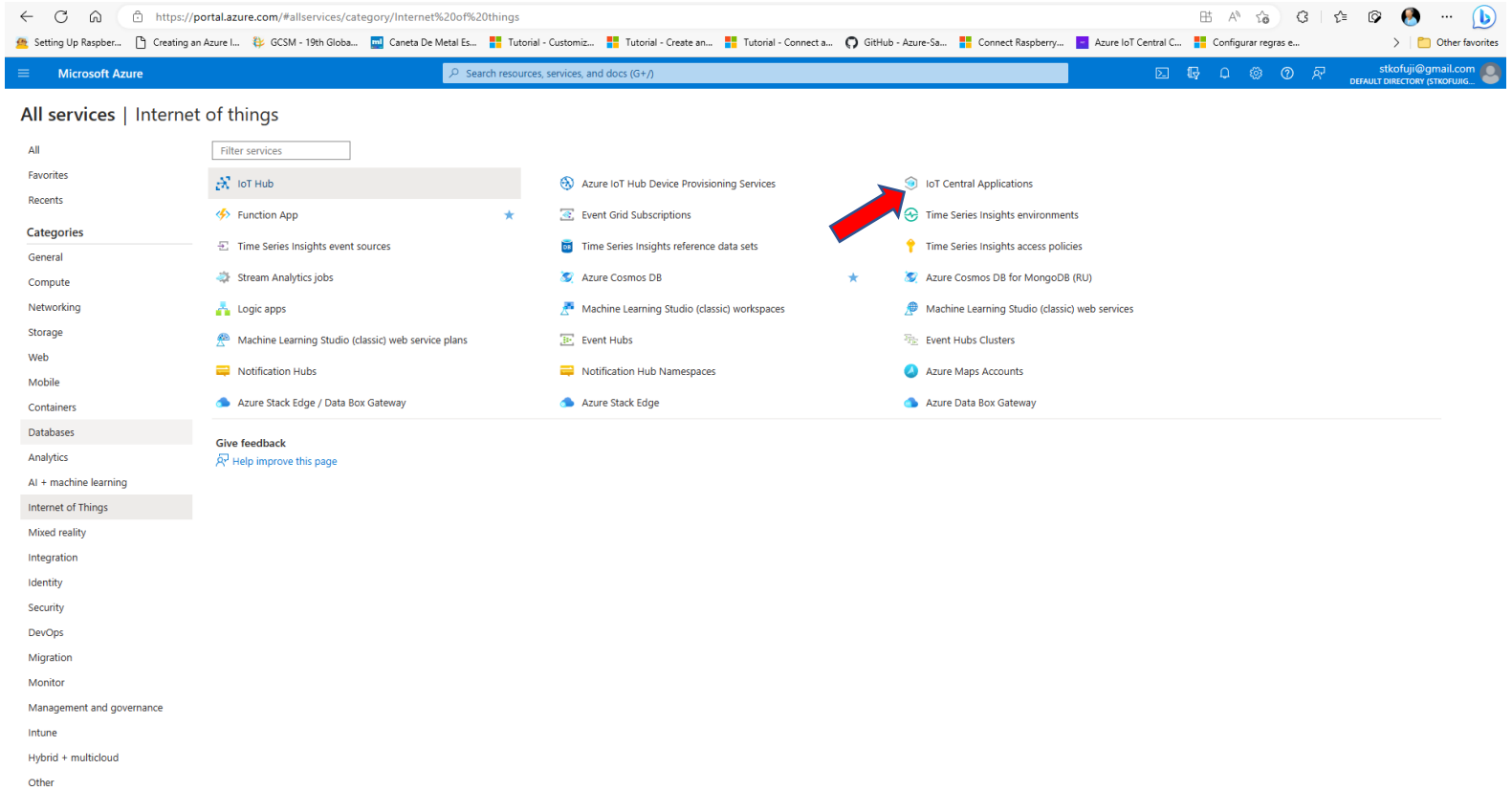
Caso haja Recursos não usados, remova-os!!!



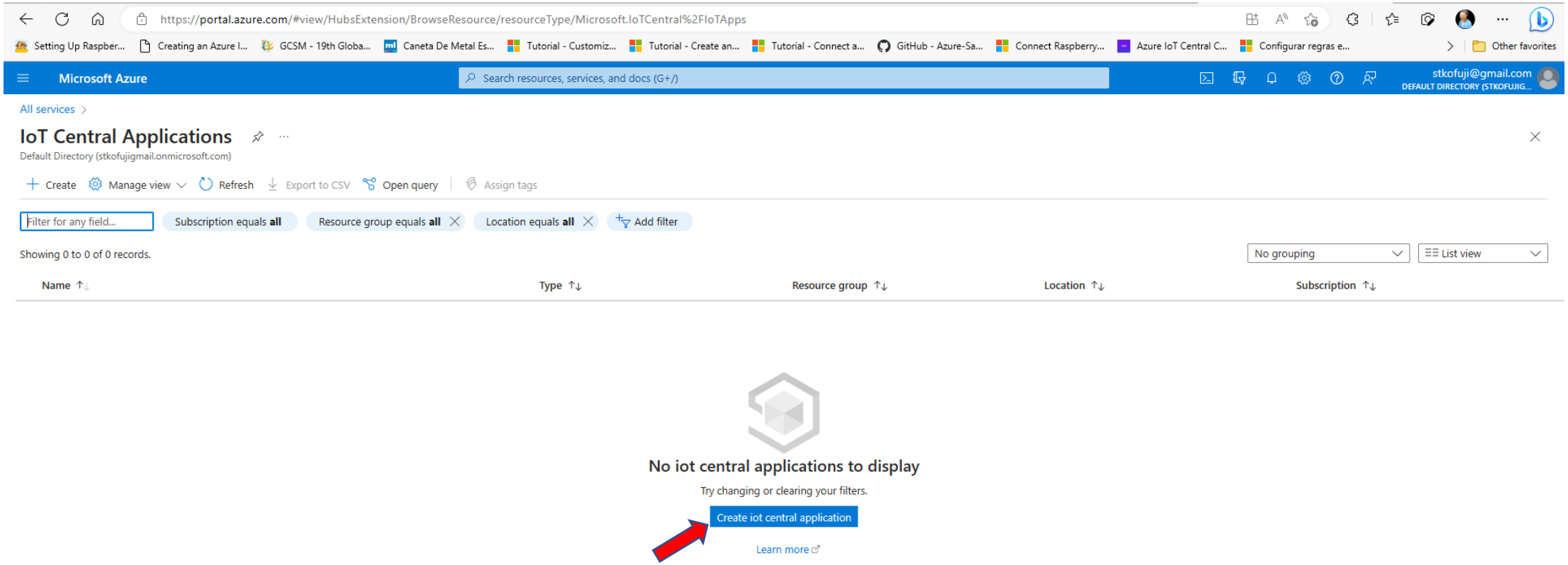
Selecione Internet of Things



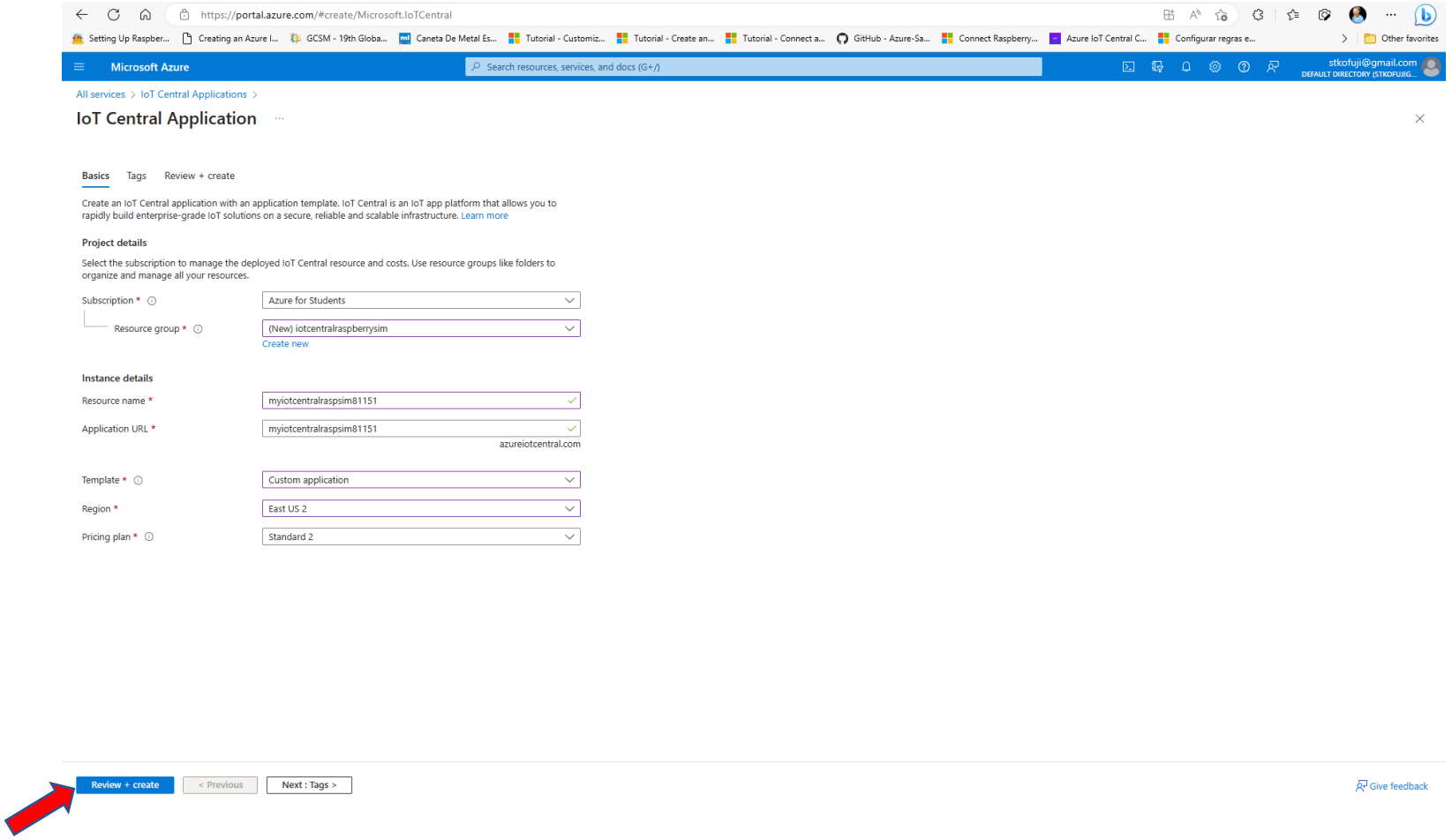
Selecione IoT Central



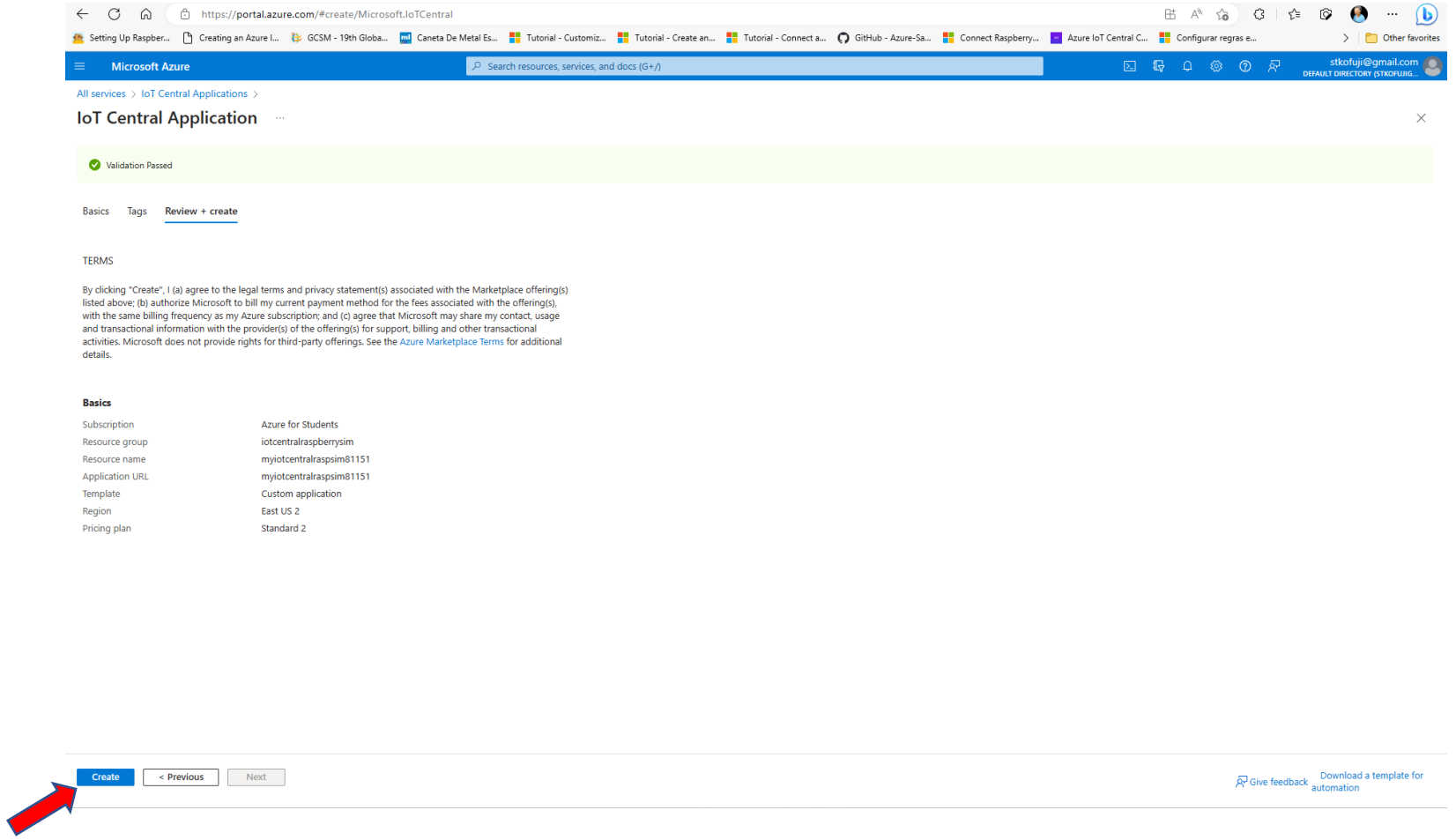
VAMOS CRIAR UMA APLICAÇÃO IOT CENTRAL



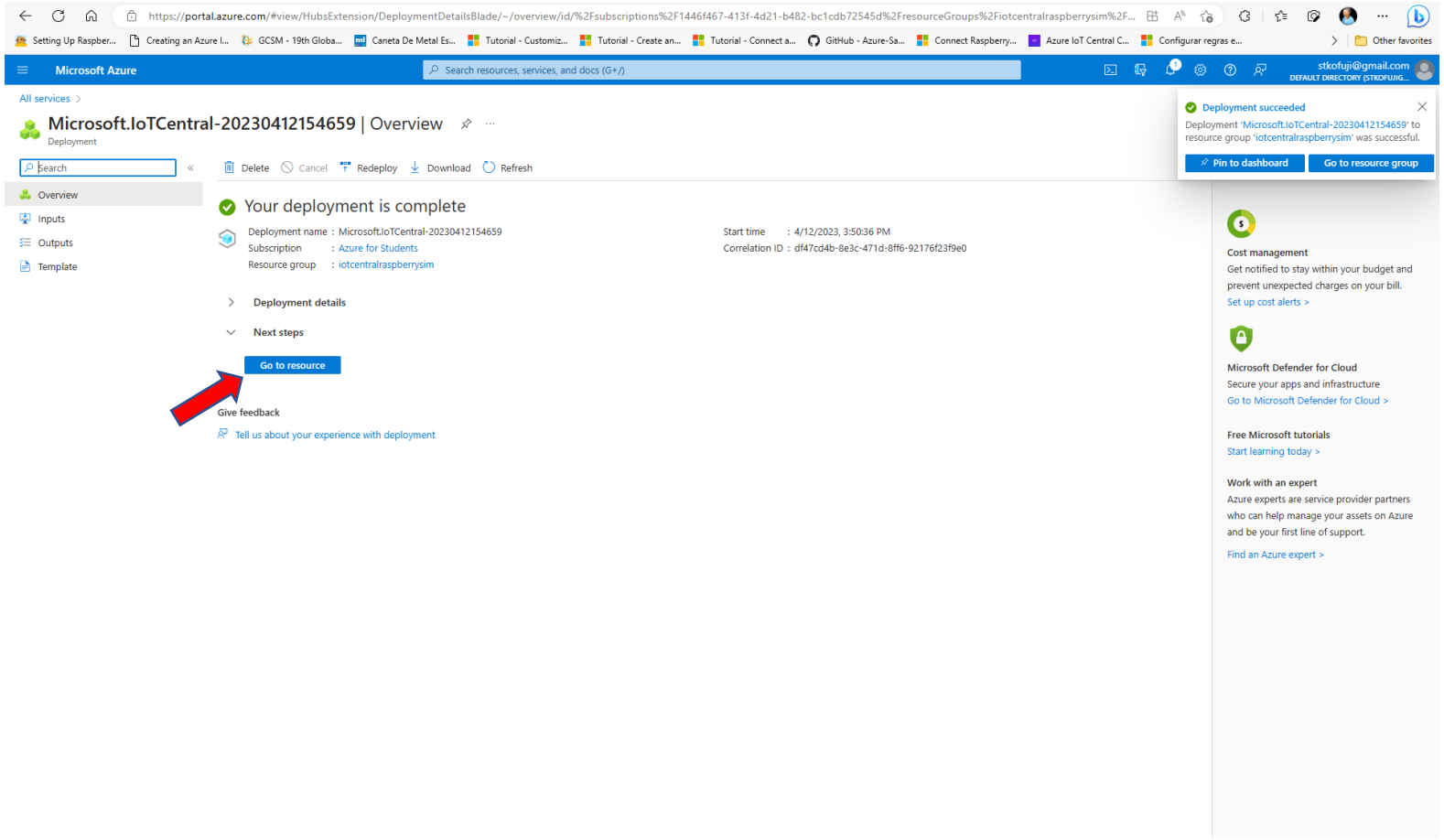
Criar a Aplicação IoT Central



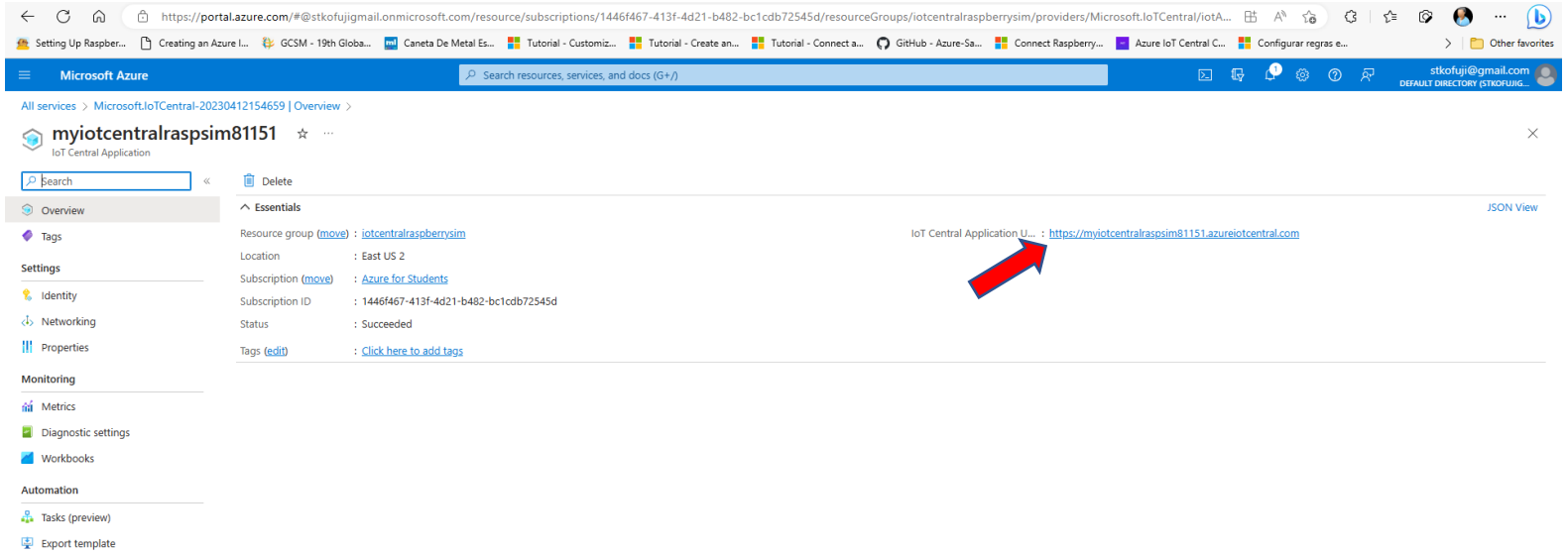
Verifique o Resumo e crie o Aplicação!



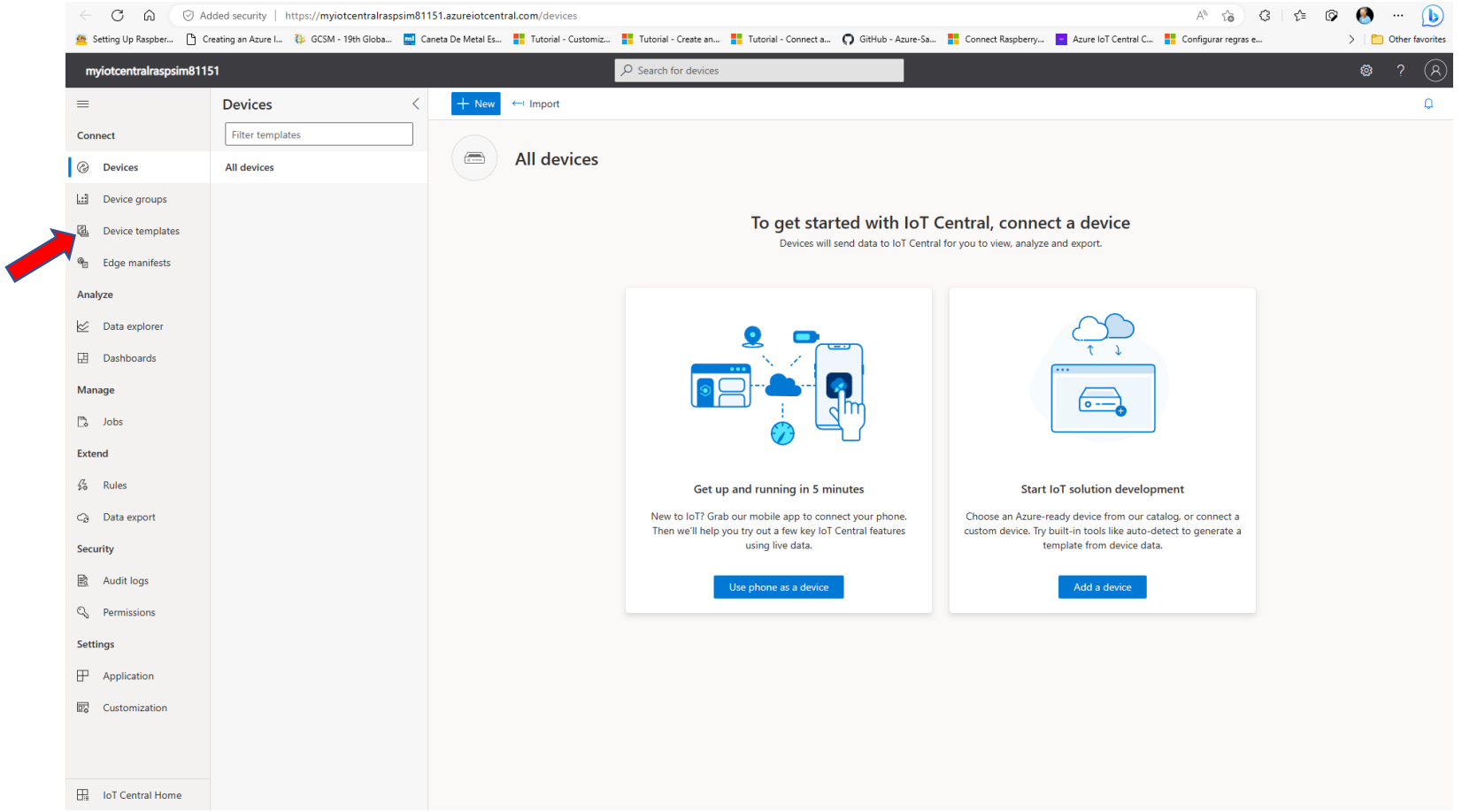
Vá para o Recurso criado



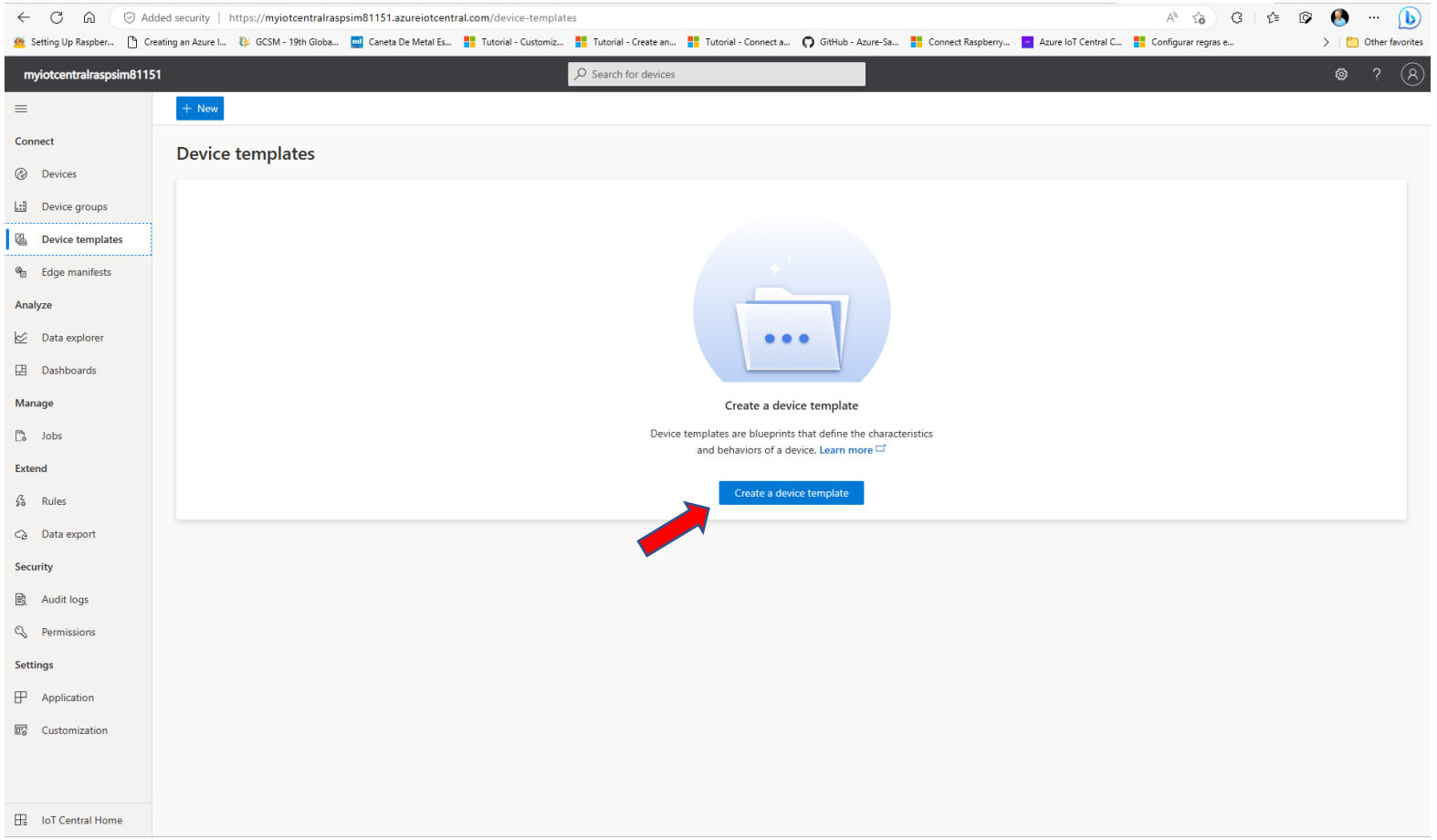
Vá para a aplicação IoT Central



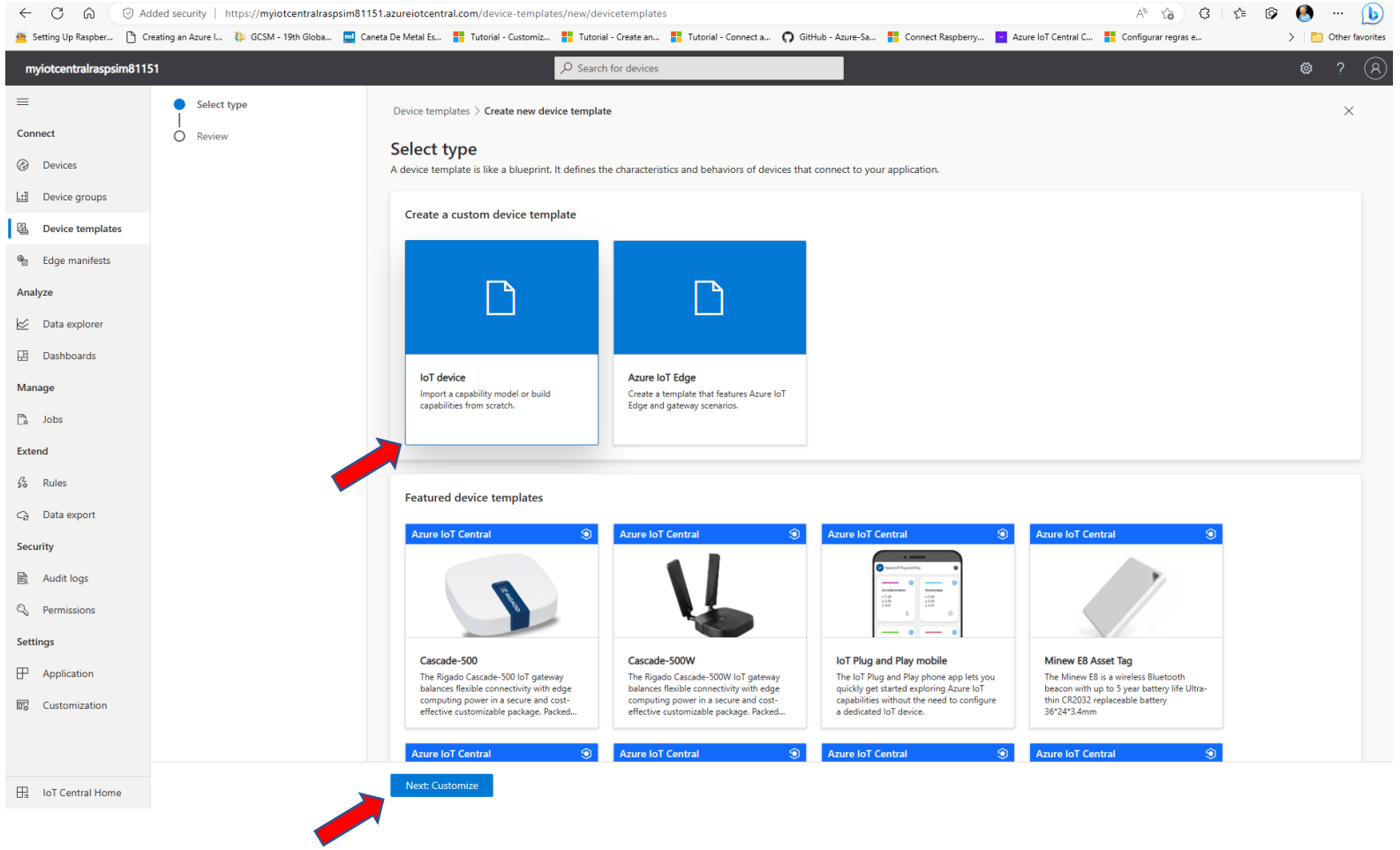
Vamos criar um Device Template



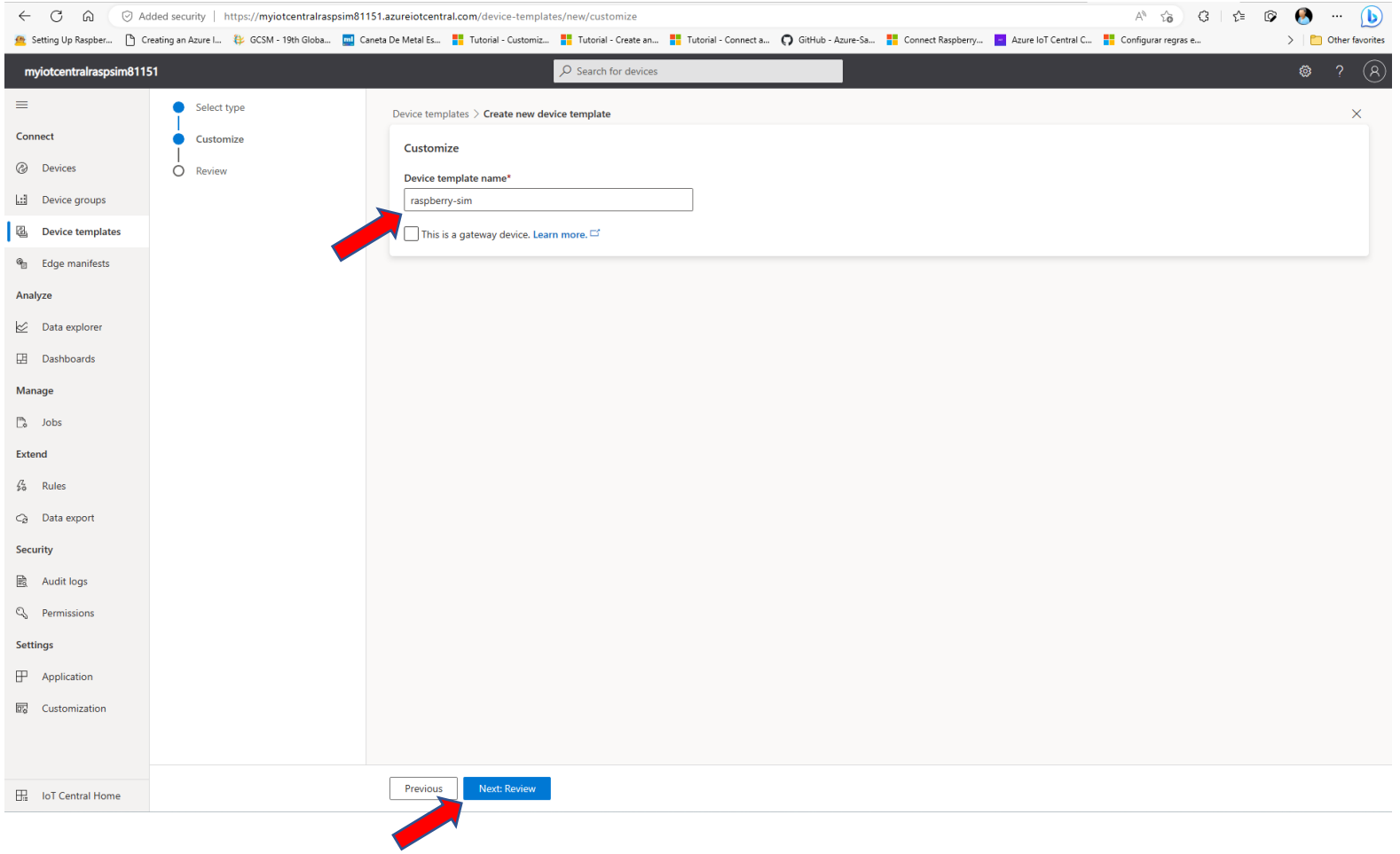
Vamos criar o Template



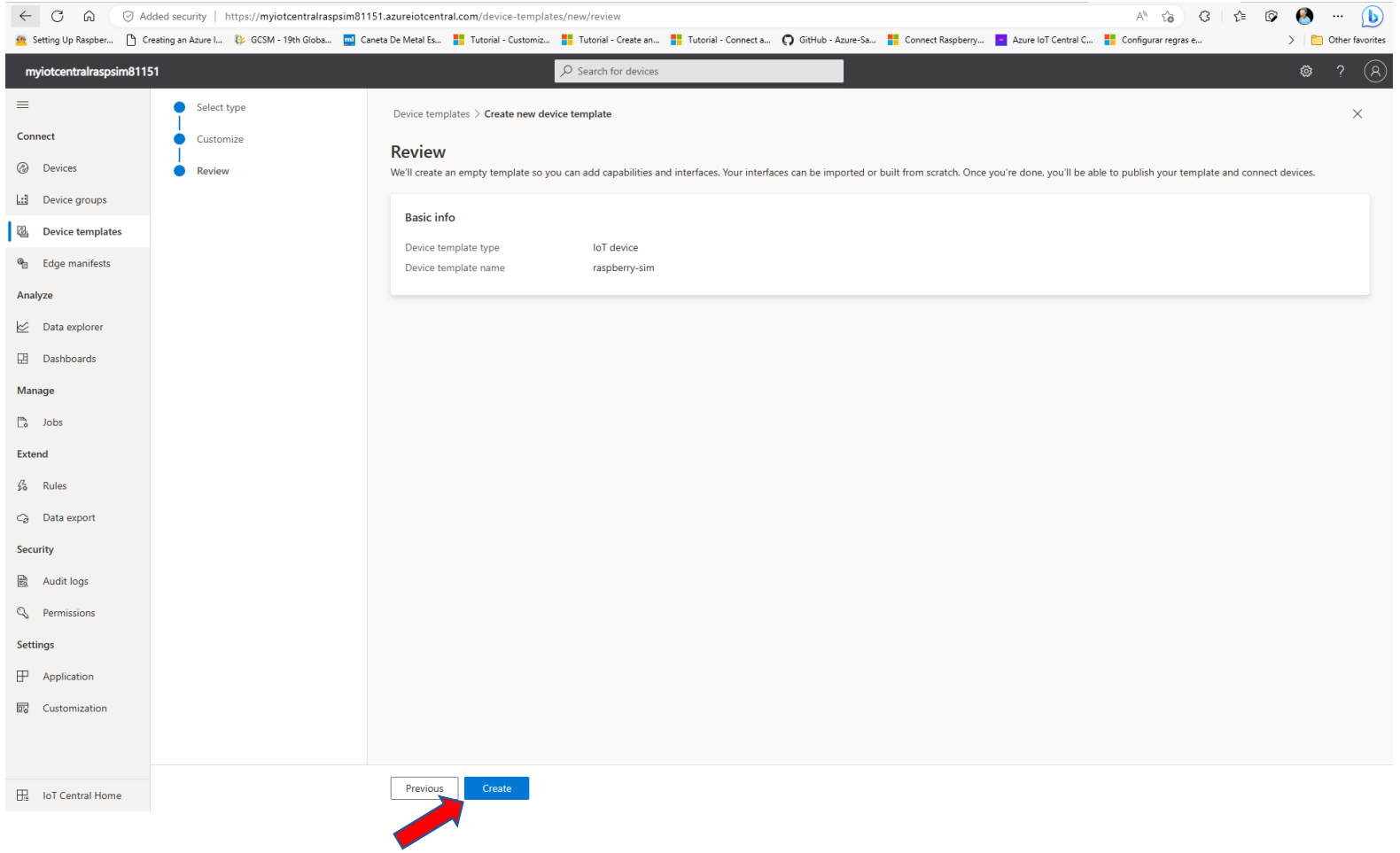
Vamos criar um Template de Dispositivo



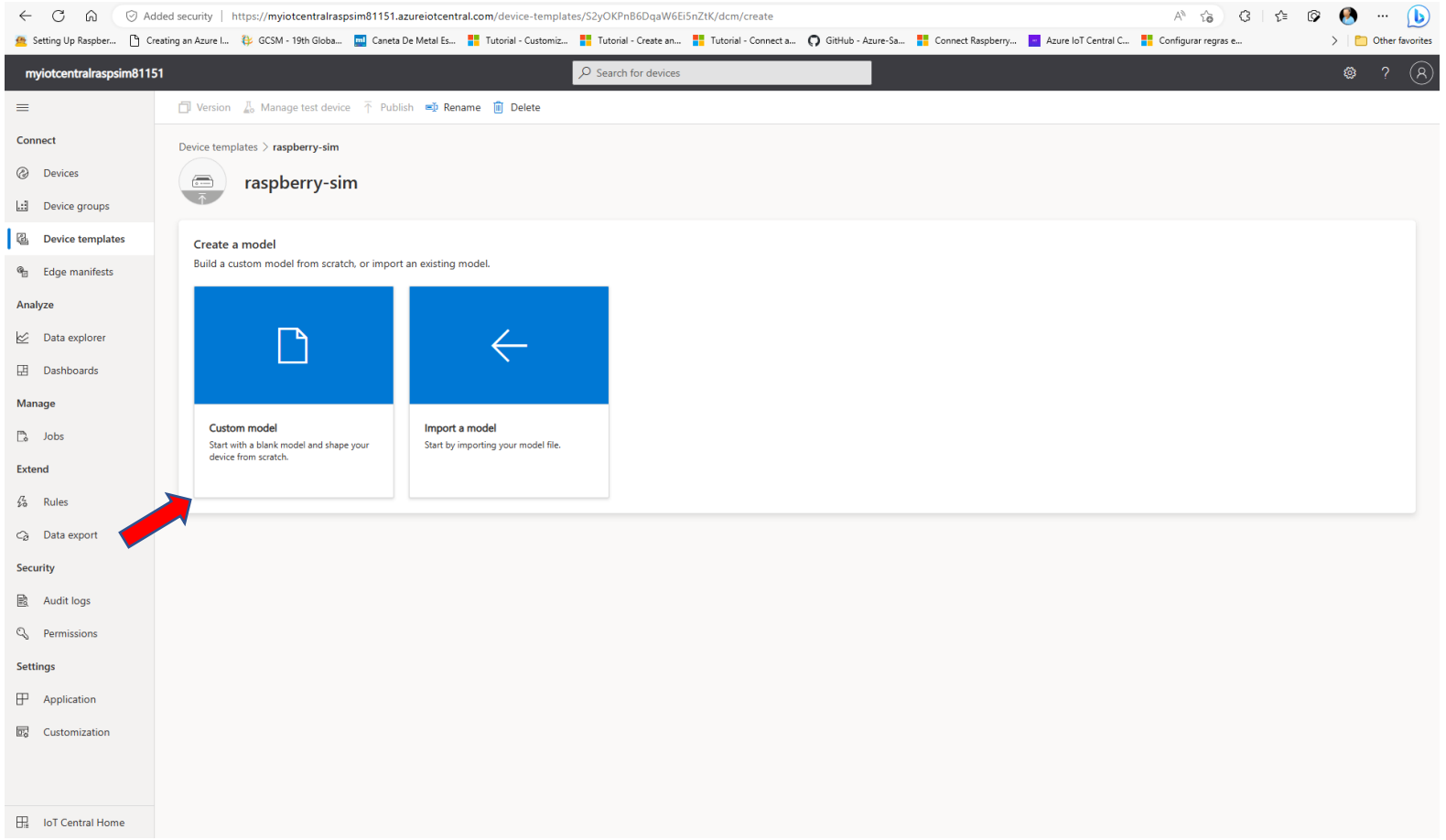
Nomeie e Crie o Dispositivo



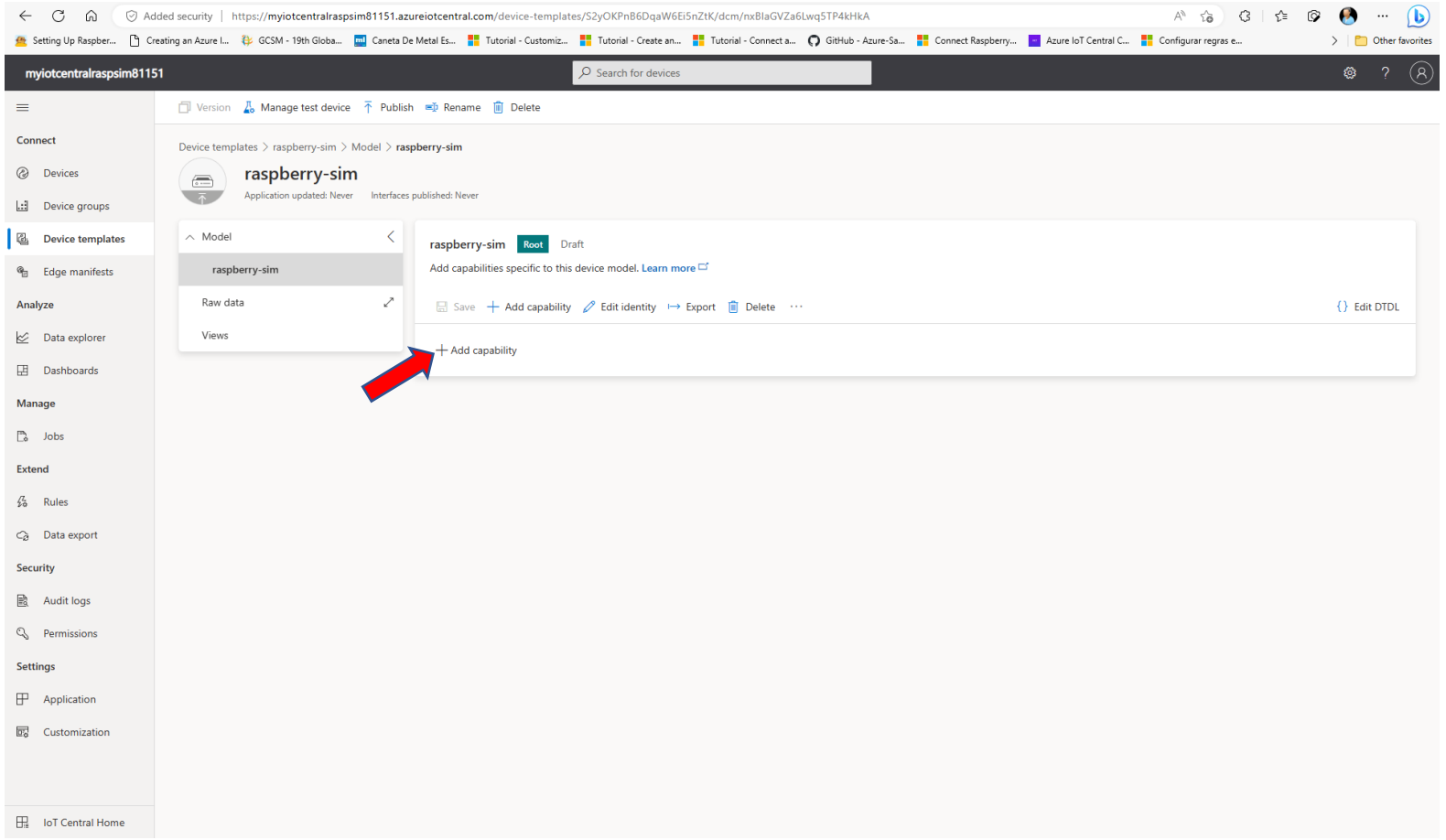
Revise e Crie o Dispositivo



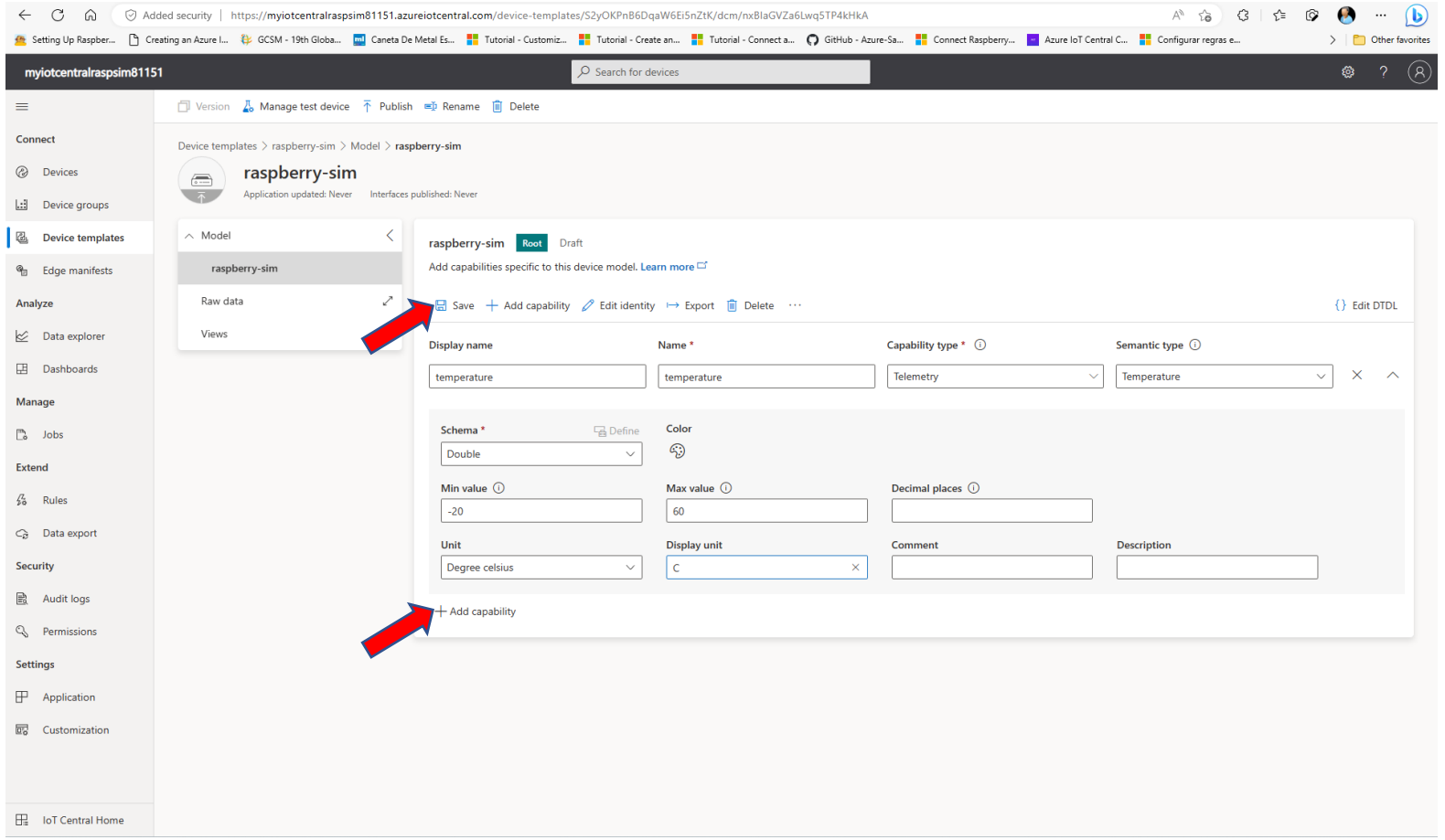
Vamos criar o modelo do dispositivo



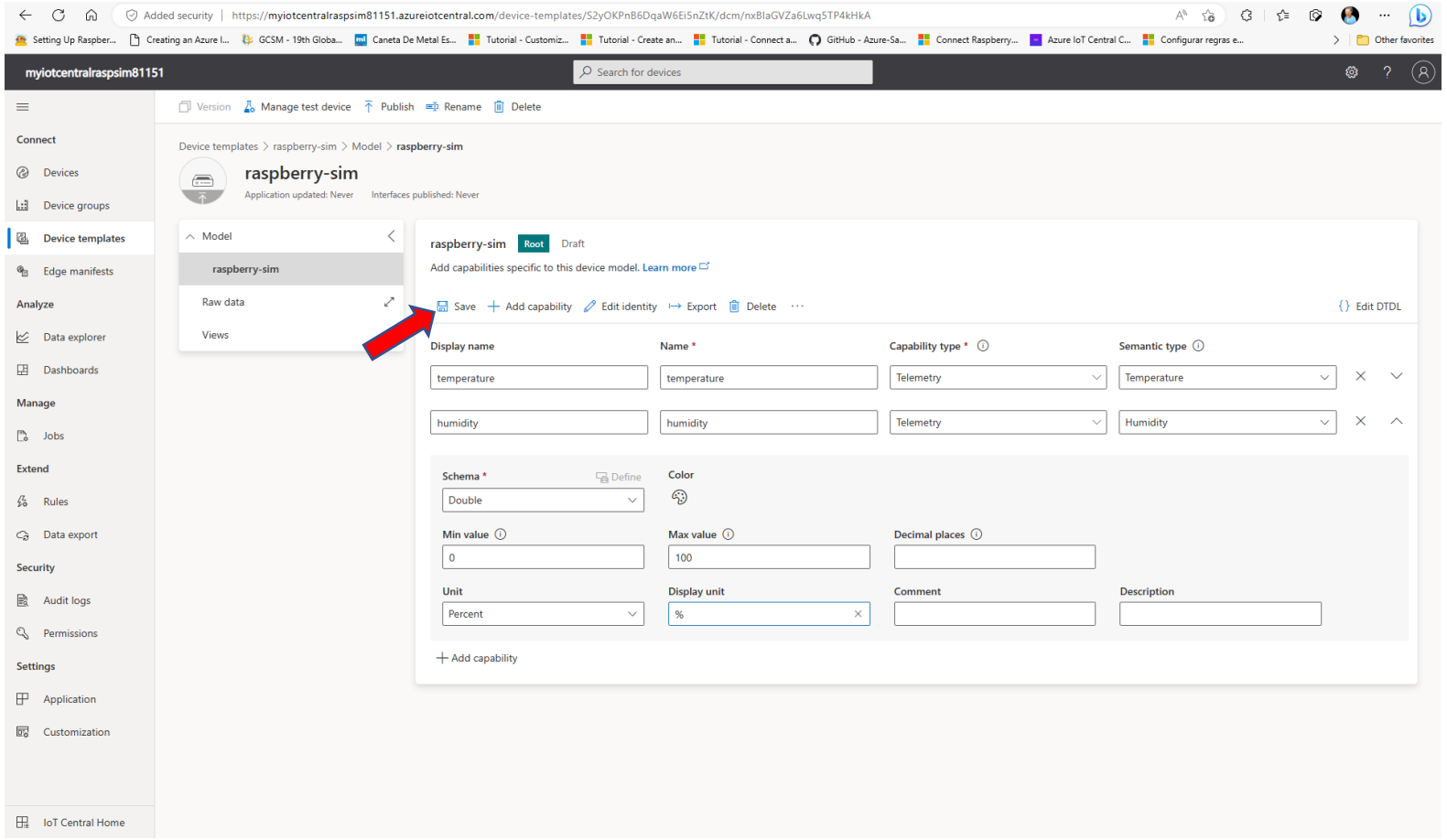
Adicione as “Capabilities”



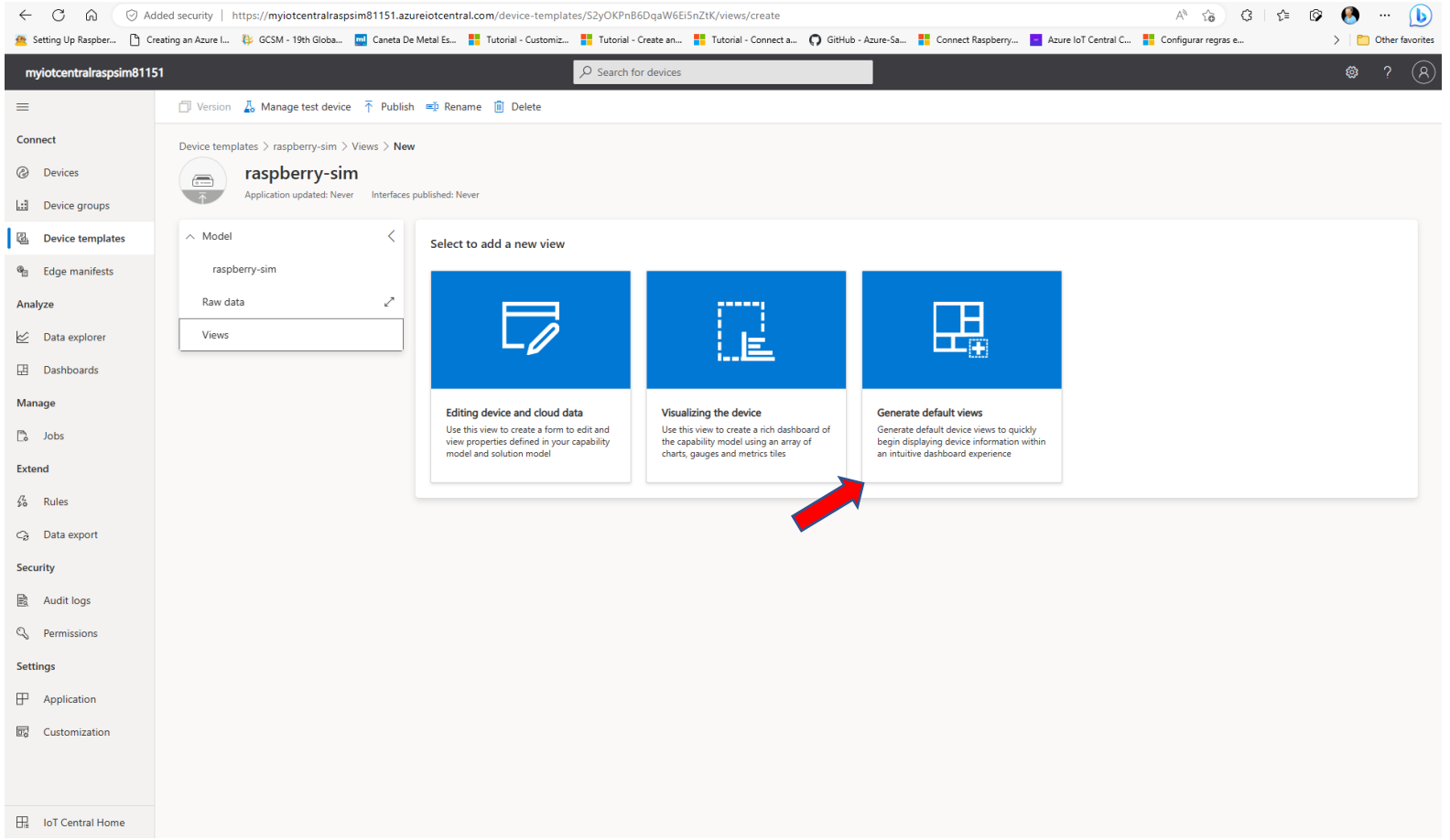
Preencha com os dados da “capability” e SALVE!!!



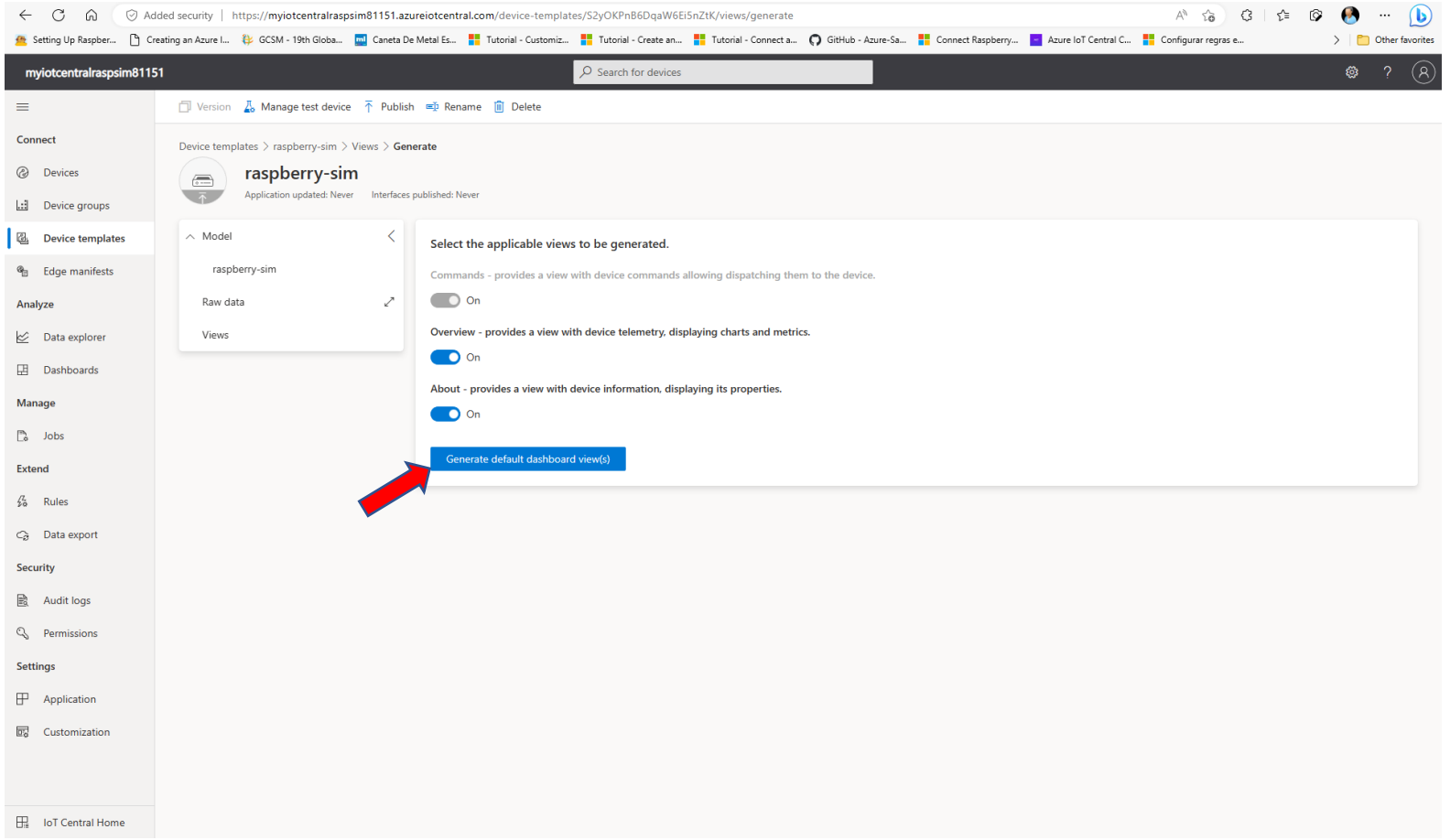
Acrescente um novo “capability” e SALVE!



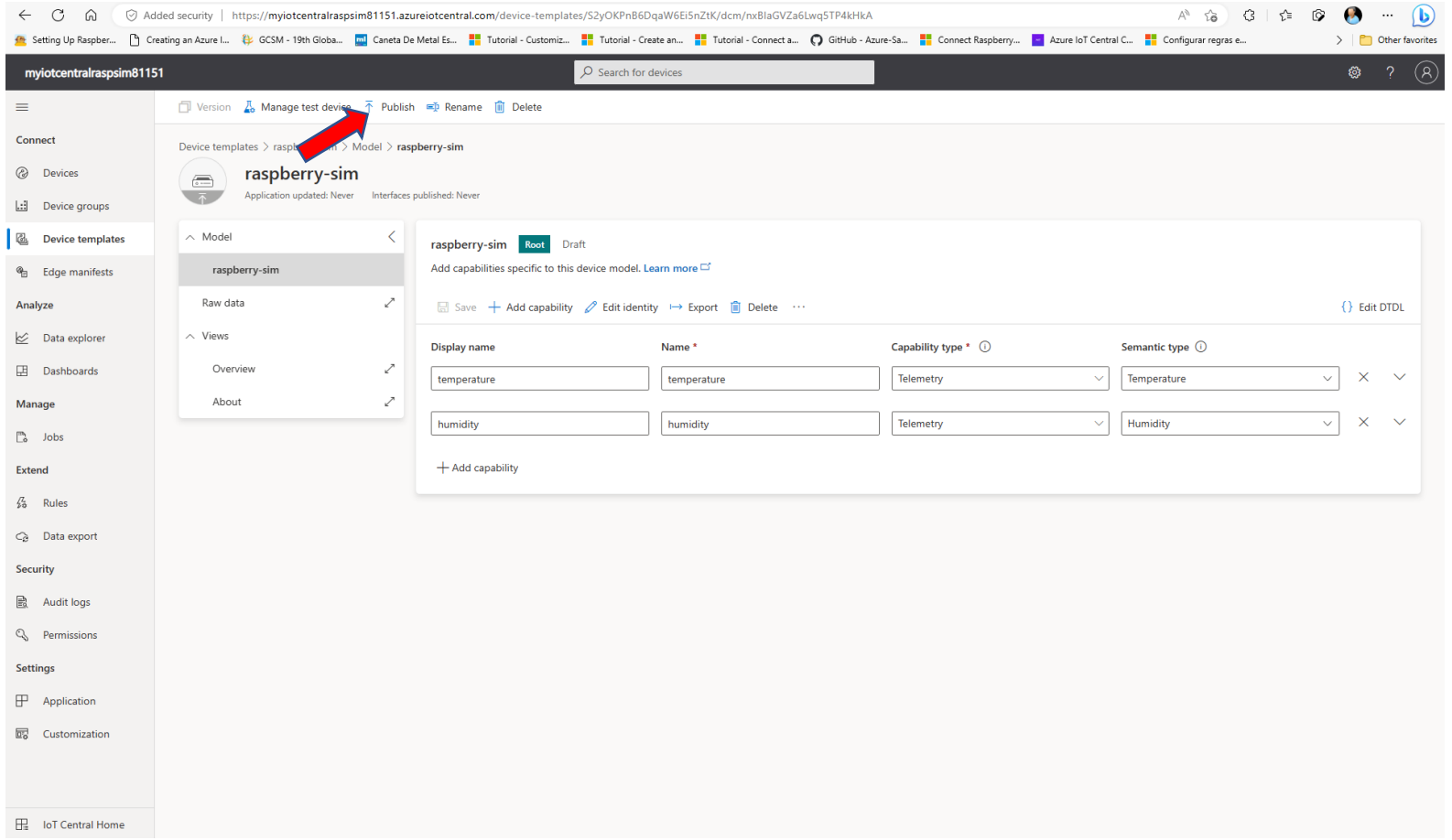
Vamos criar as “VIEWS”



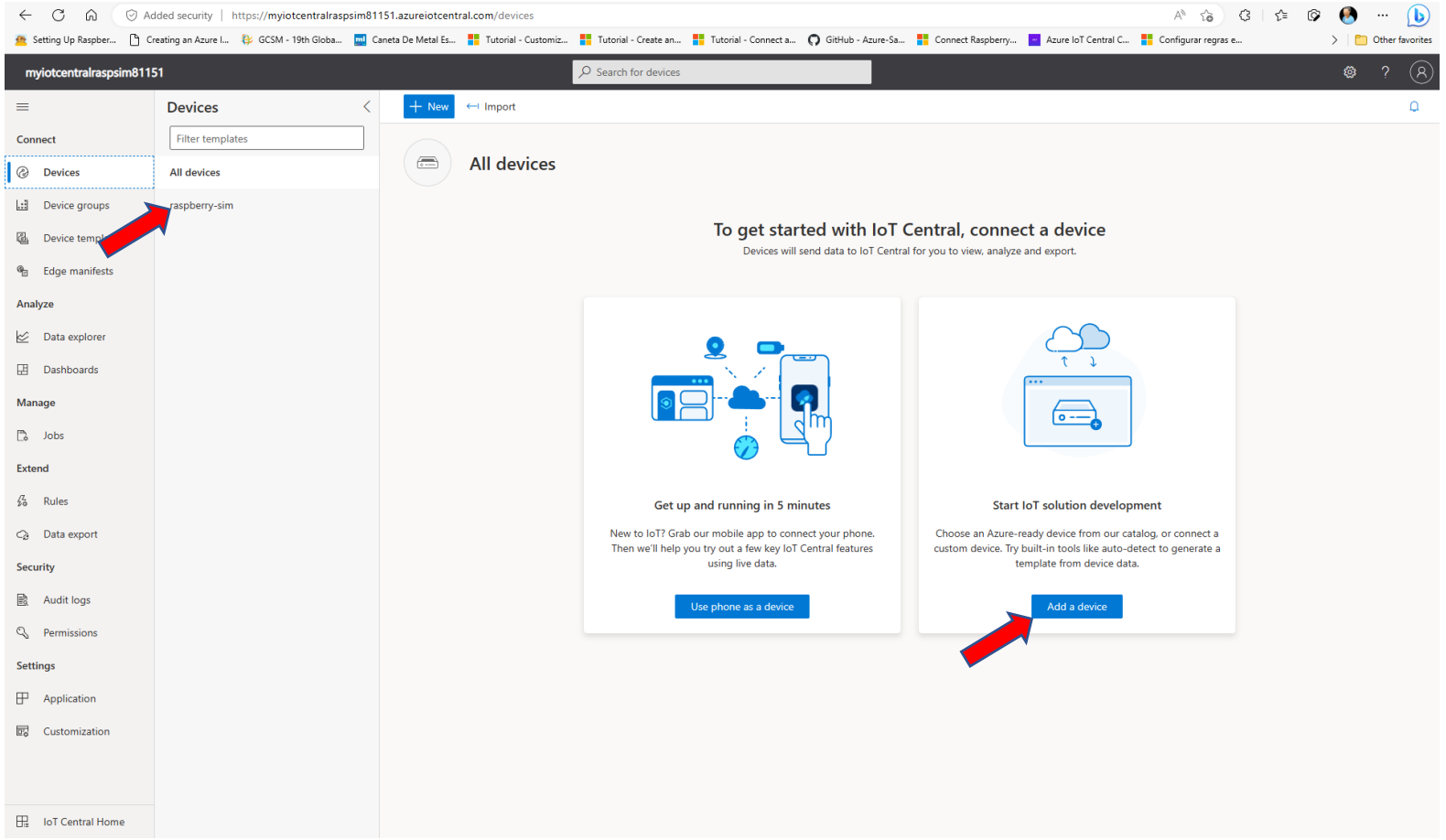
Gere as “VIEWS”



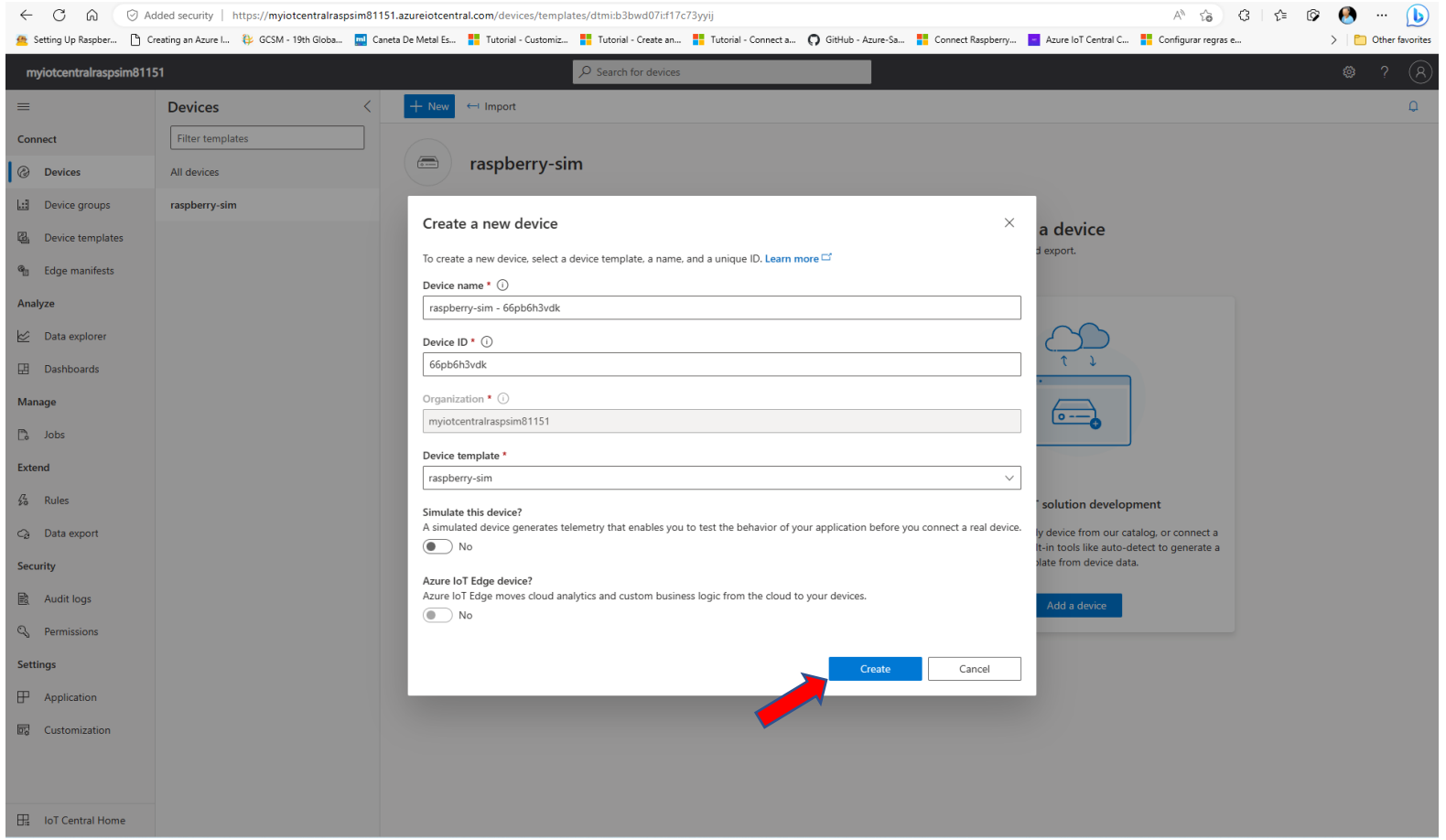
Publique o Template!!!



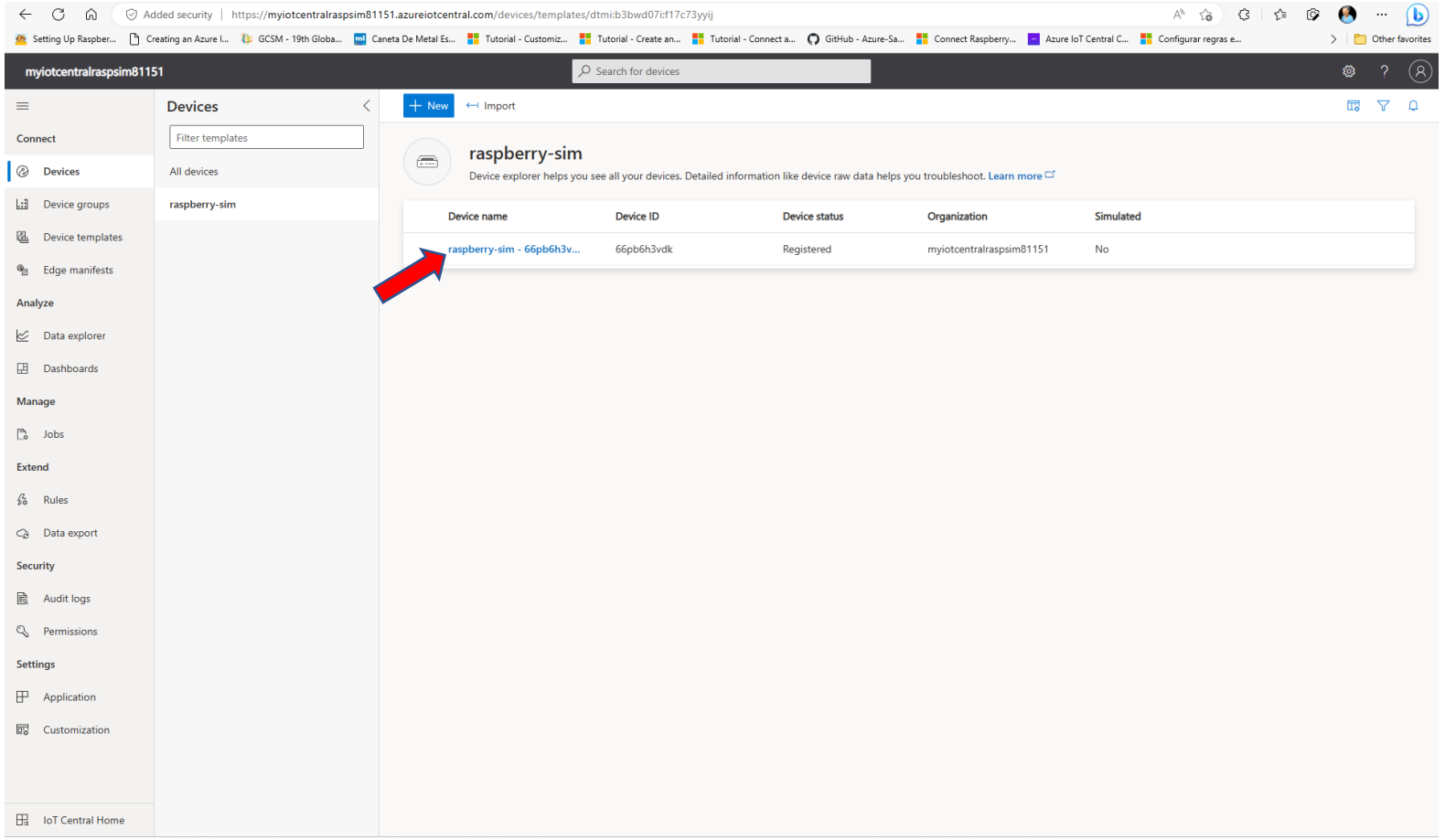
Selecione o Template e adicione o dispositivo



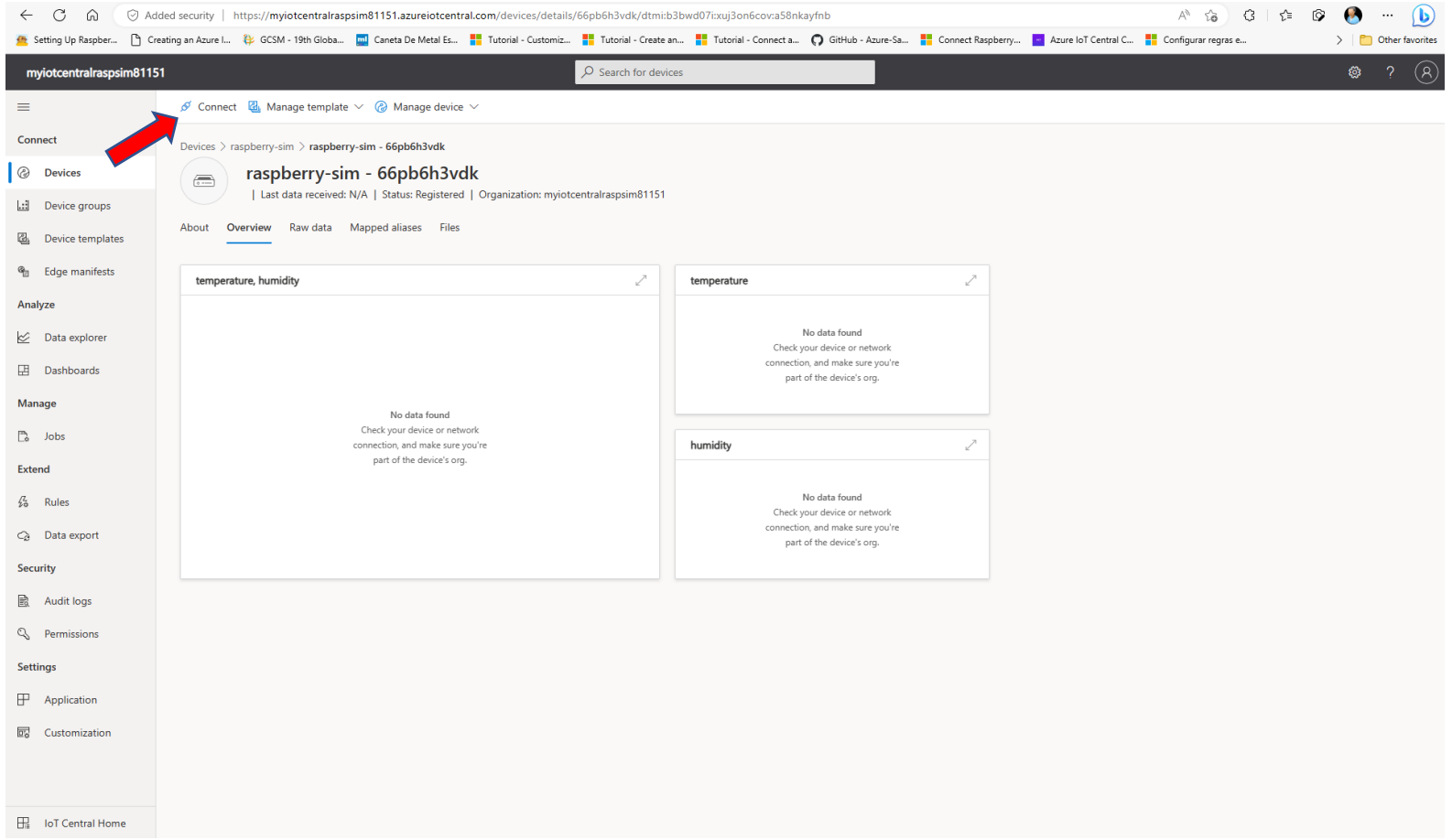
Crie o Dispositivo



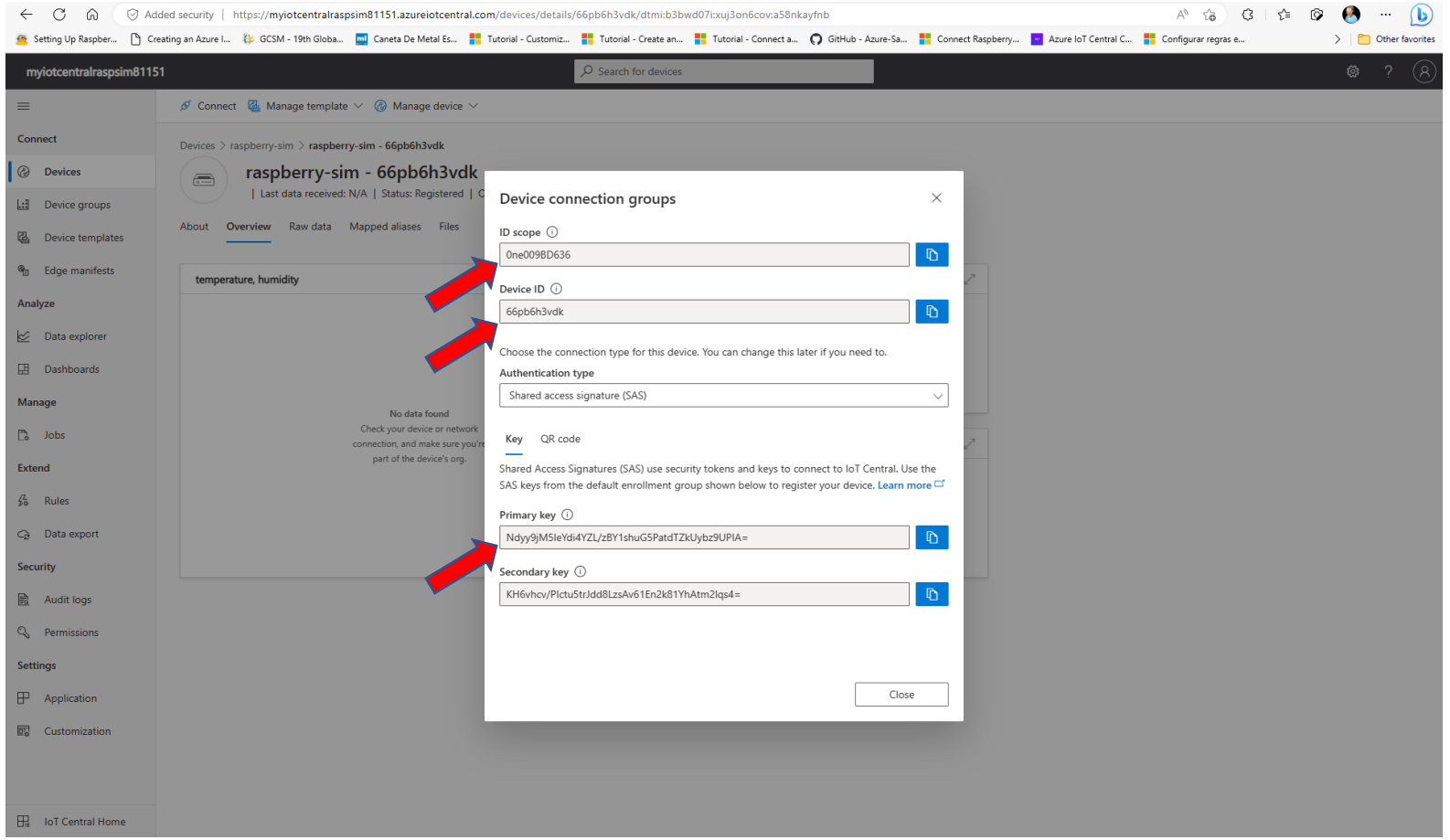
Selecione o Dispositivo



Conectar o dispositivo “REAL” (simulador Rasp. Pi)

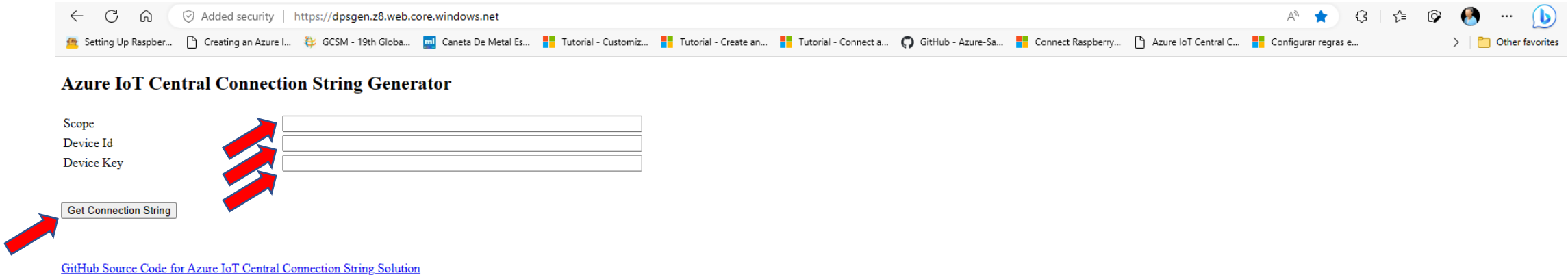


Copie o ID Scope, Device ID, P. Key

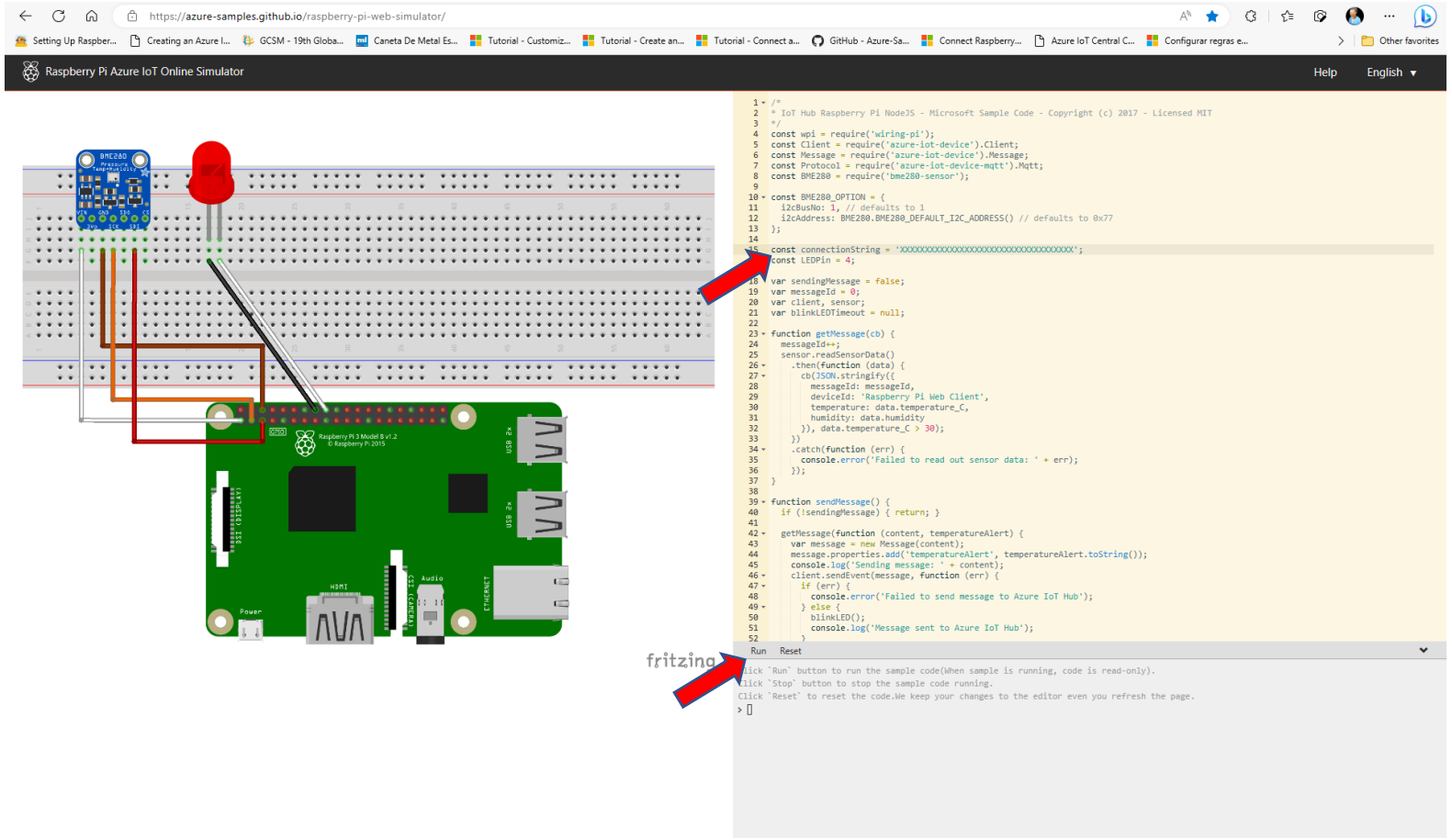


Gere o string de conexão

https://dpsgen.z8.web.core.windows.net/

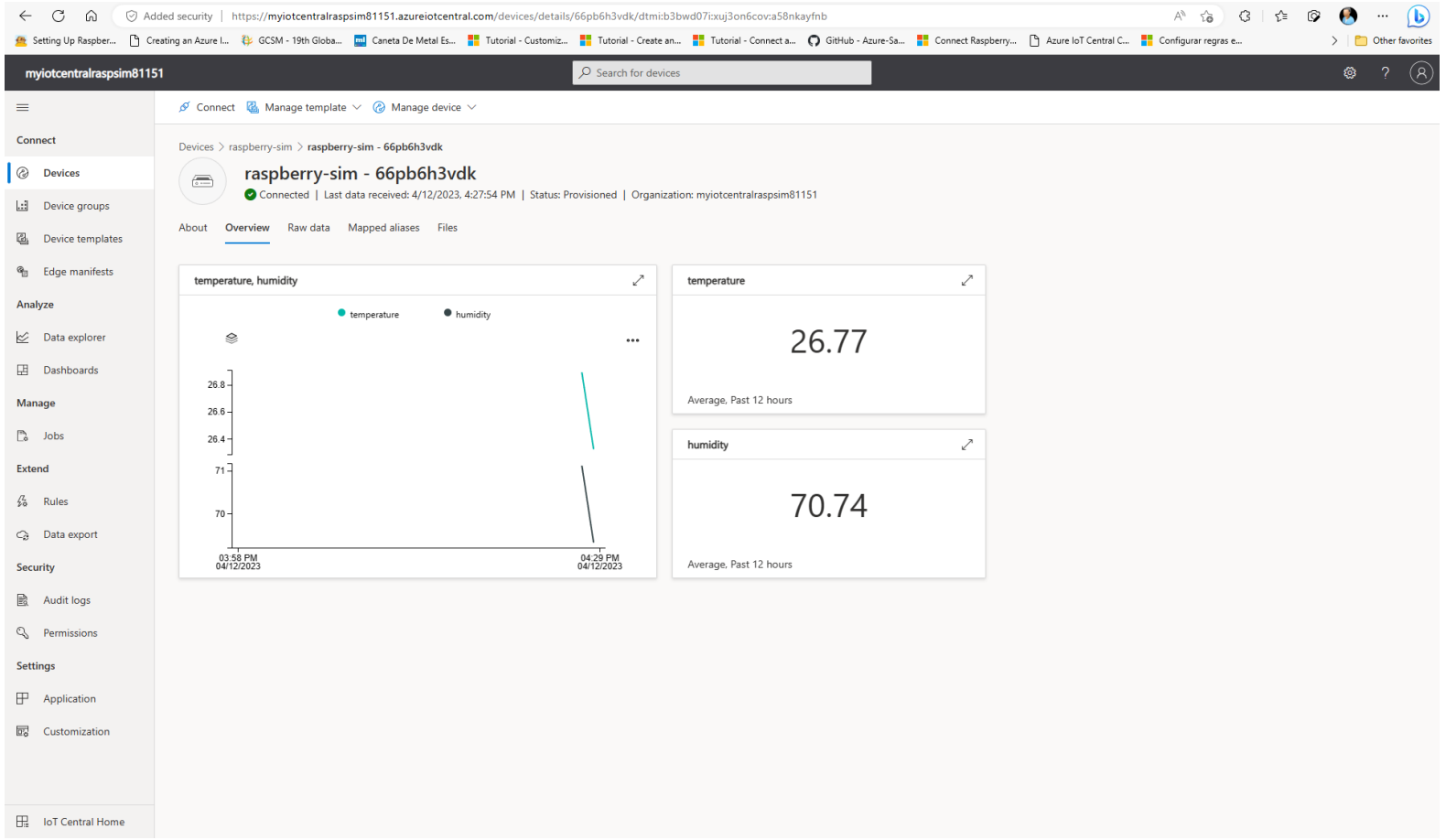


Entre no Simulador Raspberry Pi



https://azure-samples.github.io/raspberry-pi-web-simulator/

Verifique o funcionamento no Device Explorer



DÚVIDAS?

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