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# Cloud Computing (IaaS, PaaS, SaaS)

Prof. Marcelo Leite



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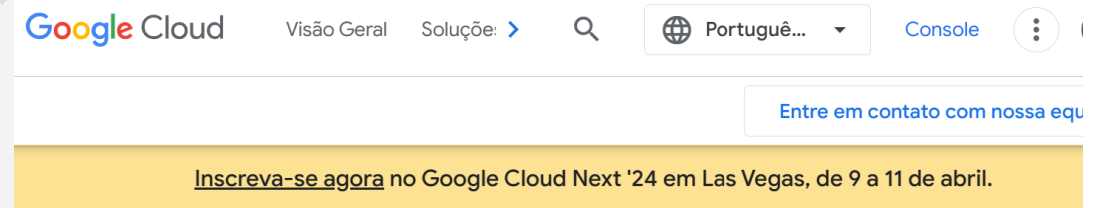
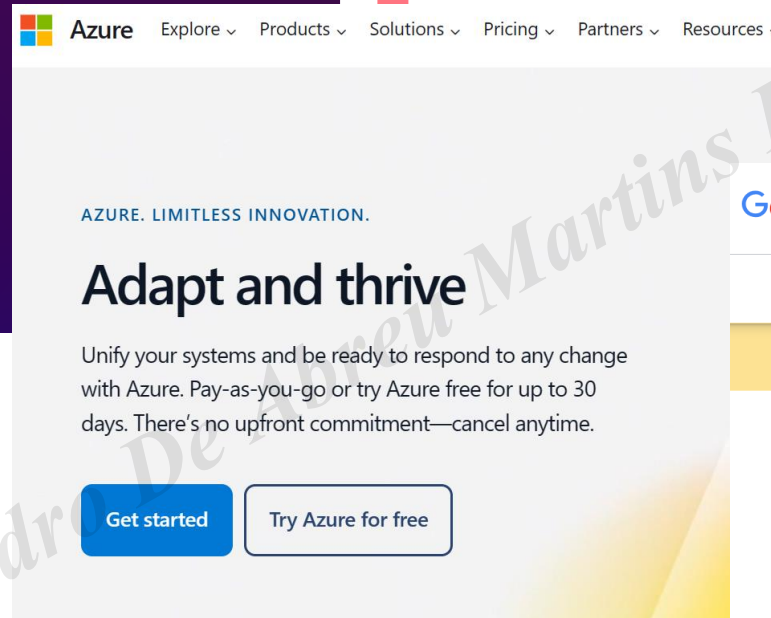
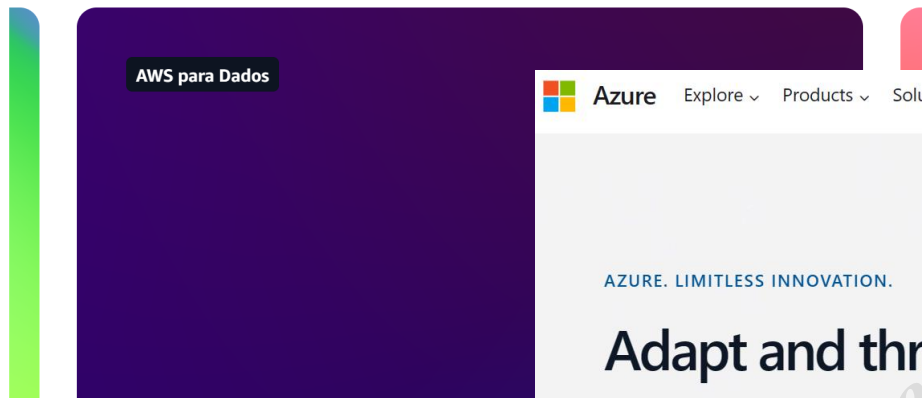
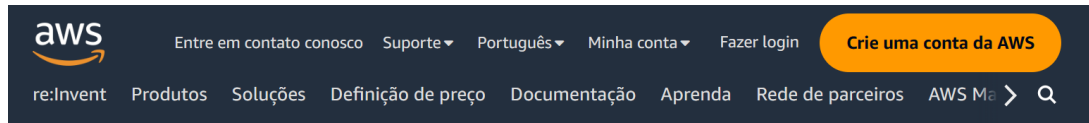


# Cloud Computing

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## Provedores de Nuvem

# Portais dos Provedores de Nuvem

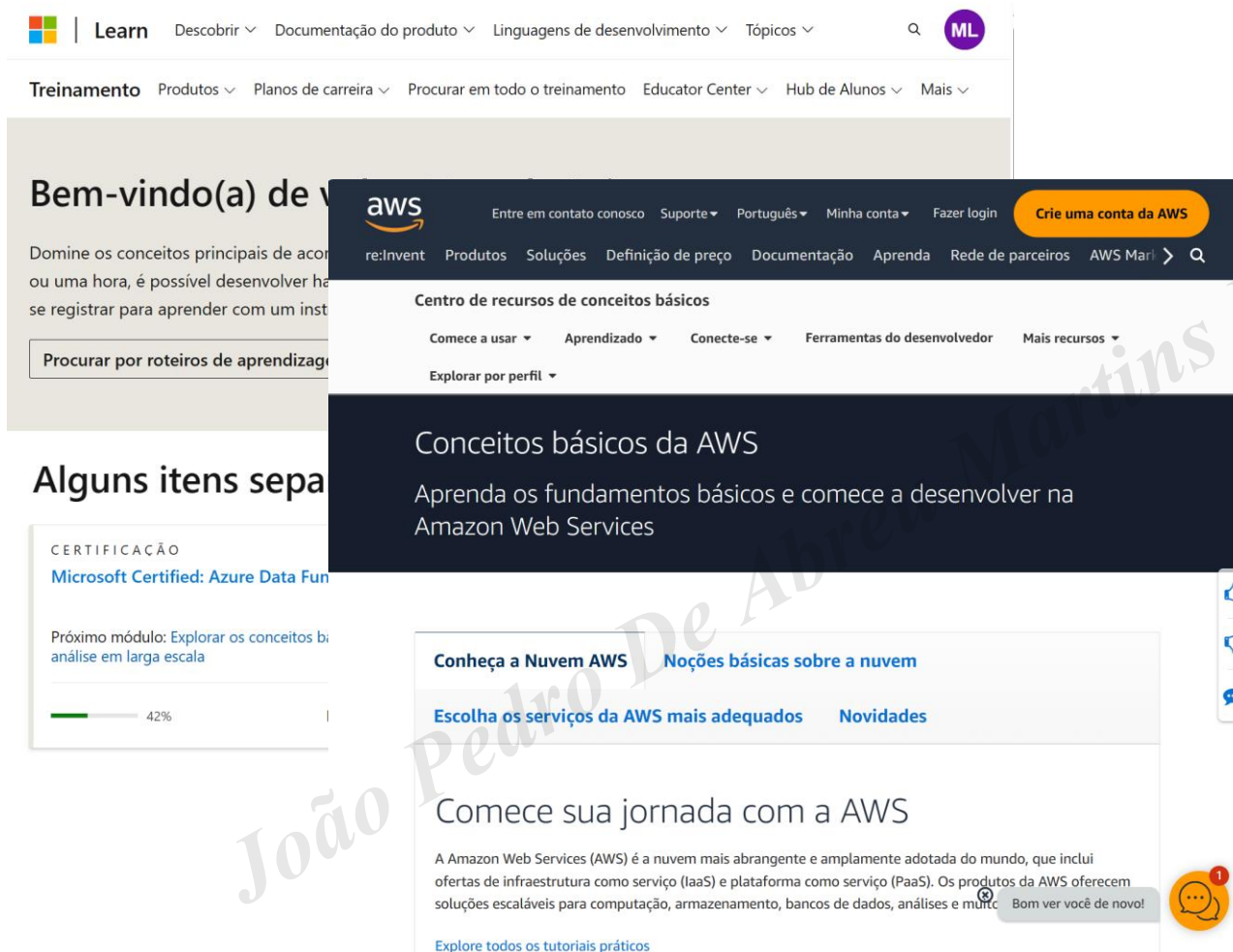


**Construa o futuro.  
Softwares avançados. E  
mais rápidos.**

✓ Use a infraestrutura, a análise de dados e o machine



# Portais de aprendizado



- Os provedores contam com portais de aprendizado, que podem ajudá-lo a conhecer as tecnologias específicas de cada provedor
- Guias de aprendizado para certificações podem ser encontrados
- Referência de arquiteturas e soluções para negócios

[O que é AWS? Como funciona Amazon Web Services Training | Microsoft Learn](#)

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## Logar na console



# Console de navegação e controle de custos

Microsoft Azure Search resources, services, and docs (G+/)

Home > Cost Management + Billing | Cost Management > Cost Management: Pay-As-You-Go

## Cost Management: Pay-As-You-Go | Cost analysis

Subscription

Search

Scope: Pay-As-You-Go (change)

Resource groups

Back Customize Download

Filter rows < Mar 2024 >

Total (BRL) R\$7.12 Average R\$0.00 / day Budget: None (create)

Showing 2 of 2 resource groups Check back tomorrow for cost anomaly insights See insights

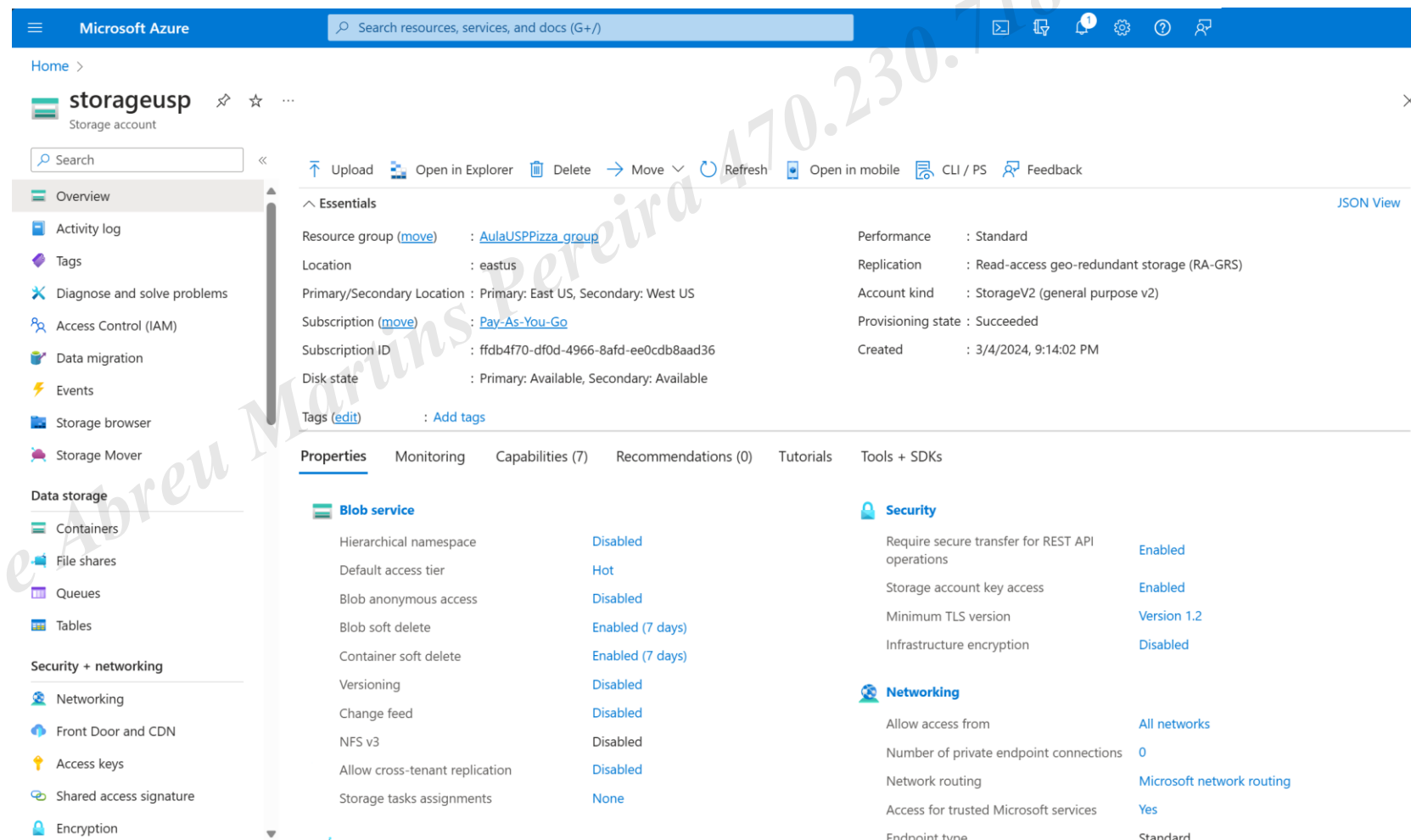
Name	Subscription	Total ↓
> rgaulausp	Pay-As-You-Go	R\$7.09
> cloud-shell-storage-westus	Pay-As-You-Go	R\$0.04

Previous Page 1 of 1 Next

- Configurações de língua e país
- Serviços de busca de serviços
- Notificações e suporte
- Marketplace de soluções
- Azure Cost Management para controle de orçamento e monitoramento de custos

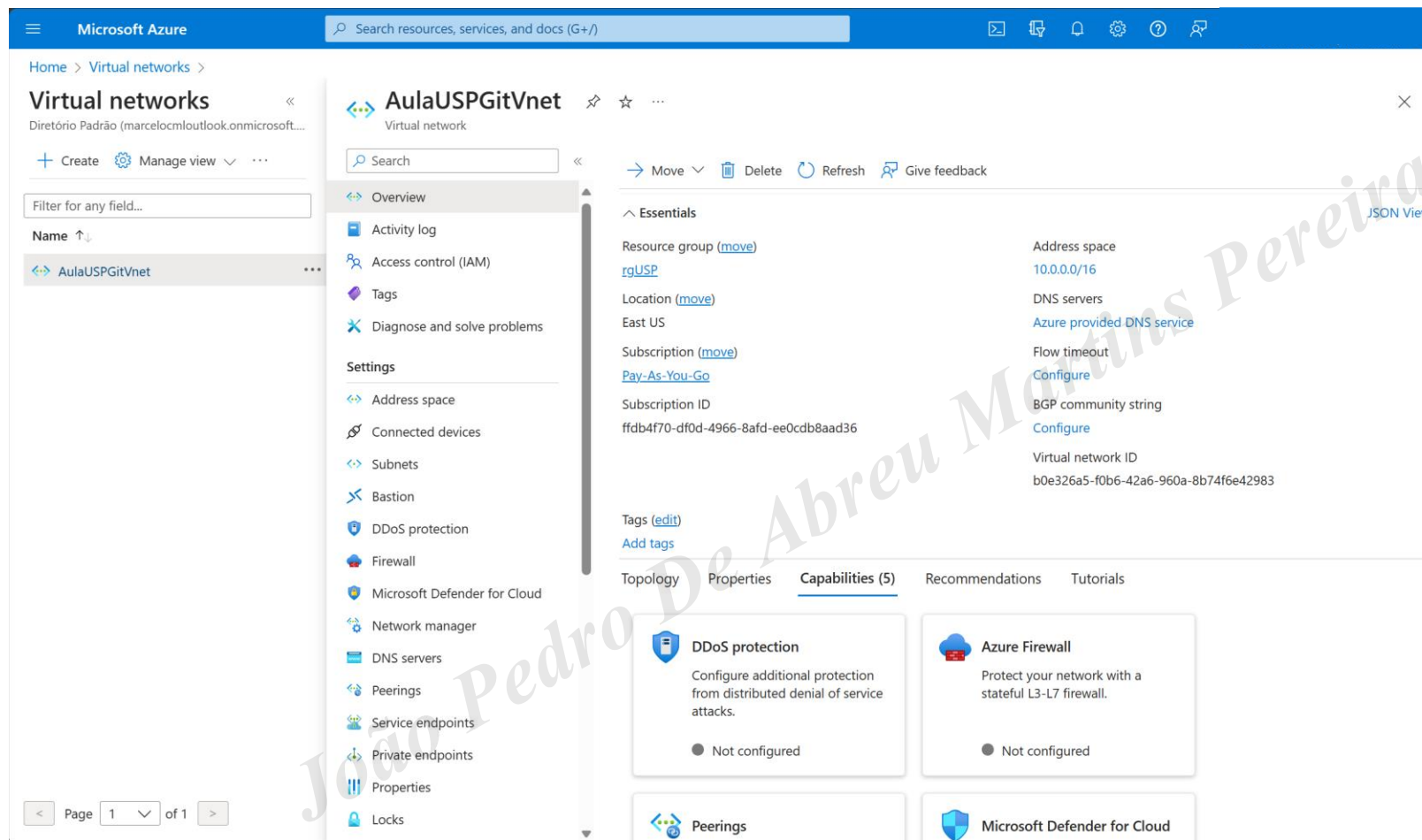
# Armazenamento em Nuvem

- Object Stores estão contidas dentro do serviço “Storage Accounts” no Azure
- Existem vários tipos de armazenamento dentro deste serviço
- Hot, Cold e Archive são tipos comuns entre os provedores de nuvem





# Redes em Nuvem



- vNets e Subnets completas com diversas possibilidades de configurações e topologias
- vNet peering para conexões entre ambientes
- Serviços de segurança opcionais
- Public and Private IPs

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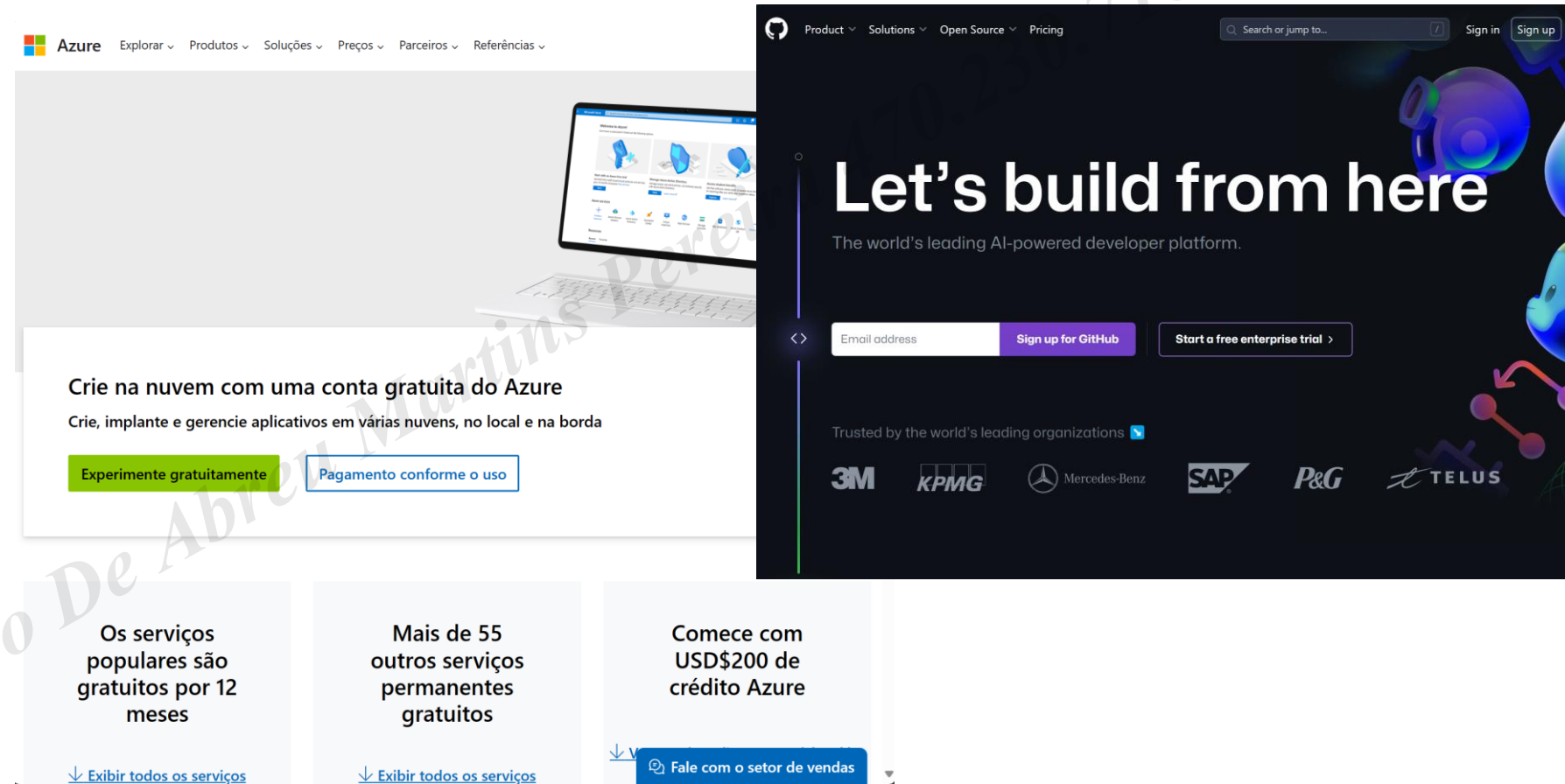
## Primeira aplicação na nuvem!



# Hello World Application – Pré requisitos

Conta do Azure.com

Conta do GitHub.com



# Hello World Application

1) Faça o Fork da solução

<https://github.com/marcelocml/static-website-example>

2) Crie um Static Web Apps:

Microsoft Azure

Home > Static Web Apps >

## Create Static Web App

Basics Tags Review + create

App Service Static Web Apps is a streamlined, highly efficient solution to take your static app from source code to global high availability. Pre-rendered content is distributed globally with no web servers required. [Learn more](#)

### Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource Group \*  [Create new](#)

### Static Web App details

Name \*

### Hosting plan

The hosting plan dictates your bandwidth, custom domain, storage, and other available features. [Compare plans](#)

Plan type

☒ Free: For hobby or personal projects

☐ Standard: For general purpose production apps

### Azure Functions and staging details

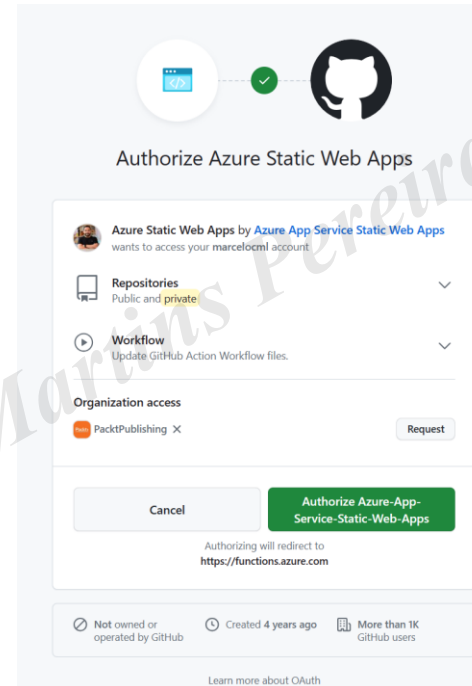
Region for Azure Functions API and staging environments \*

[Review + create](#) [< Previous](#) [Next : Tags >](#)



# Hello World Application

- 1) Conecte na sua conta GitHub
- 2) Autorize o acesso aos seus repositórios
- 3) Selecione a “Organization”, “Repository” e “Branch” para conexão com a solução que foi copiada do repositório GitHub
- 4) Clique em “Review + create”



## Create Static Web App

### Deployment details

Source

☒ GitHub ☐ Azure DevOps ☐ Other

GitHub account

marcelocml [Change account](#)

**i** If you can't find an organization or repository, you might need to enable additional permissions on GitHub. You must have write access to your chosen repository to deploy with GitHub Actions.

Organization \*

marcelocml

Repository \*

static-website-example

Branch \*

master

### Build Details

Enter values to create a GitHub Actions workflow file for build and release. You can modify the workflow file later in your GitHub repository.

Build Presets

**i** These fields will reflect the app type's default project structure. Change the values to suit your app. [Learn more](#)

### Workflow configuration

File with the GitHub Actions workflow configuration.

[Preview workflow file](#)

[Review + create](#)

[< Previous](#)

[Next : Tags >](#)

# Hello World Application

- 1) Clique na URL do seu site para abri-lo
- 2) Revise as configurações de IAM
- 3) Revisei as opções na aba “Settings”

The screenshot displays the Microsoft Azure portal interface for a Static Web App named 'SiteUSP'. The left sidebar contains a navigation menu with options like Overview, Access control (IAM), Tags, Diagnose and solve problems, Settings (with sub-items: Configuration, Environment variables, Application Insights, Custom domains, APIs, Database connection (preview), Environments, Role management, Identity, Enterprise-grade edge, Hosting Plan, Private endpoints, Locks), and Automation (CLI / PS). The main content area is divided into sections: Essentials (showing Resource group, Subscription, Subscription ID, Location, Sku, URL, Source, Deployment history, and Edit workflow), Get started (with a 'View your application' card showing Status: Ready, Environment: Production, Domain, and Hosting plan), and Prepare for production (with tasks like 'Add a custom domain' and 'Upgrade your hosting plan', both marked as 'Not completed').





# DIMENSION

A FULLY RESPONSIVE SITE TEMPLATE DESIGNED BY [HTML5 UP](#) AND RELEASED  
FOR FREE UNDER THE [CREATIVE COMMONS LICENSE](#).

[INTRO](#)[WORK](#)[ABOUT](#)[CONTACT](#)

**OBRIGADO!**

<https://www.linkedin.com/in/marcelocml/>