

FIAP GRADUAÇÃO

TECNOLOGIA EM DESENVOLVIMENTO DE SISTEMAS

DevOps Tools & Cloud Computing

Docker Desktop: Instalação SO Windows 10 e Setup inicial

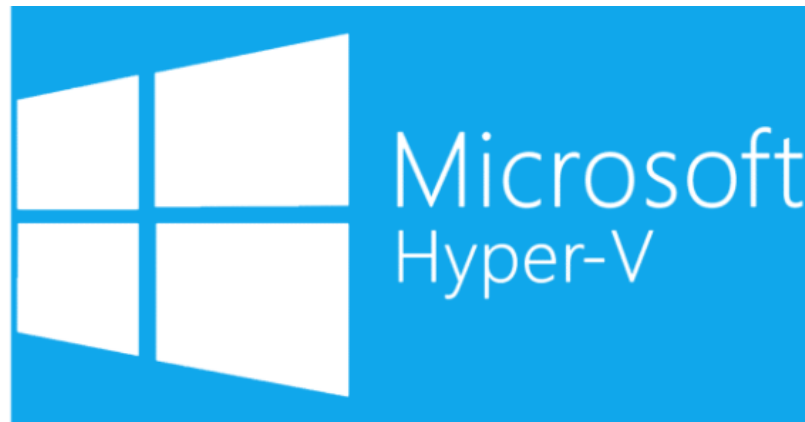
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PROF. SALVIO PADLIPSKAS salvio@fiap.com.br

PARTE PRÁTICA: PREPARAÇÃO DO AMBIENTE

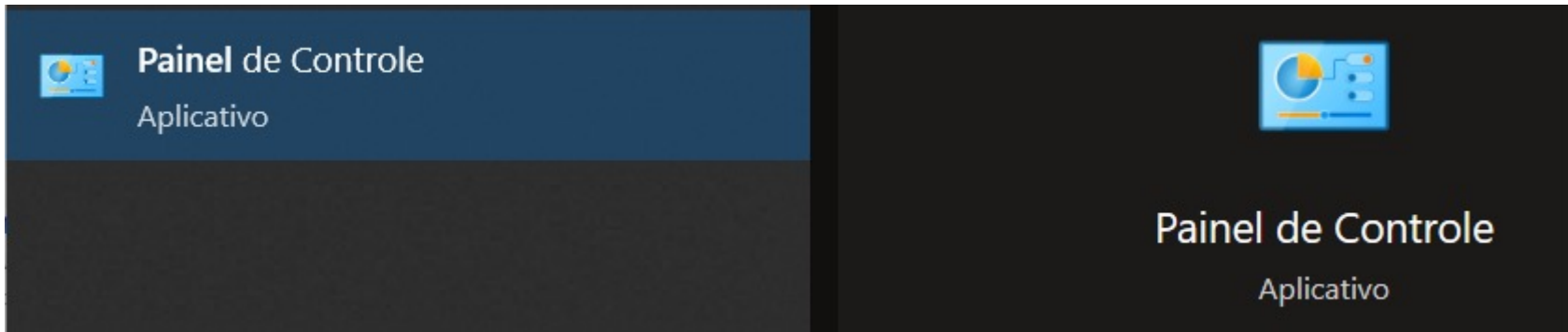
SETUP DO AMBIENTE: DOCKER NO SISTEMA OPERACIONAL WINDOWS 10

HABILITAR HYPER-V NO WINDOWS 10



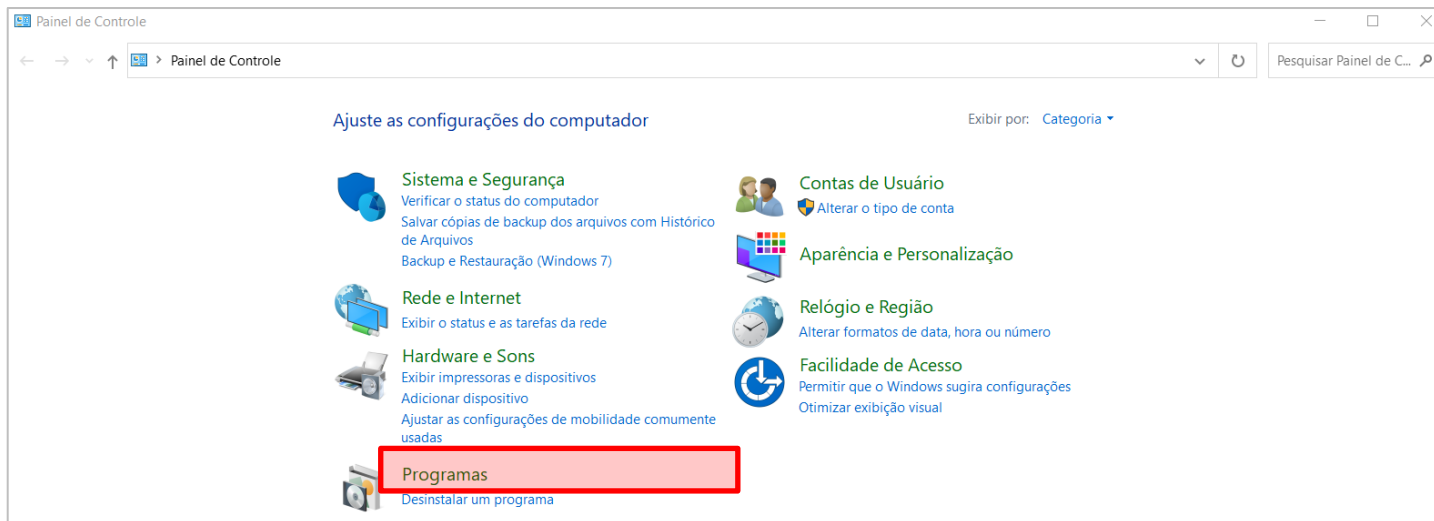
PARTE PRÁTICA: PREPARAÇÃO DO AMBIENTE

Acesse o painel de controle de seu Sistema Operacional Windows 10

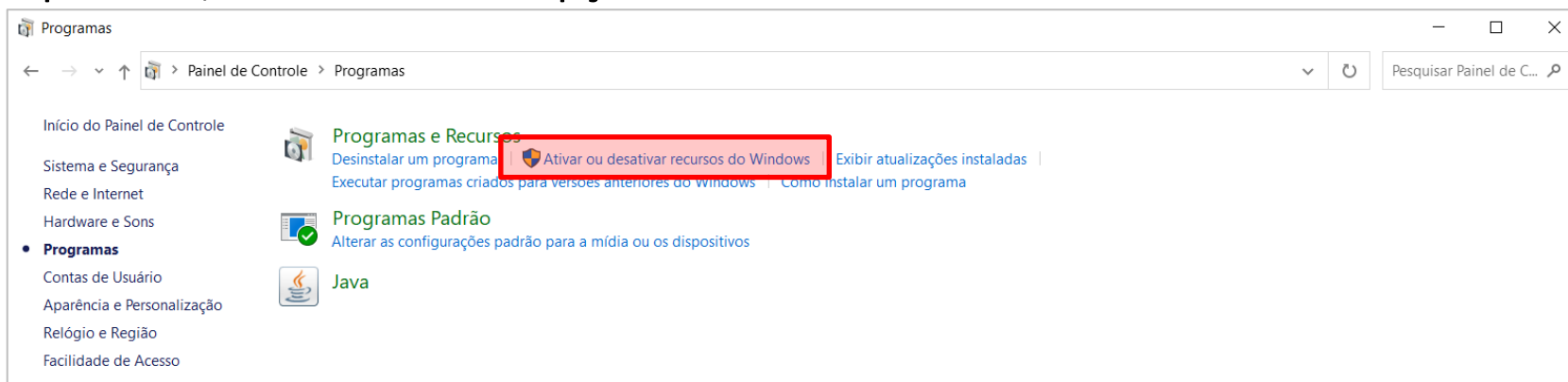


PARTE PRÁTICA: PREPARAÇÃO DO AMBIENTE

Selecione a opção **Programas**

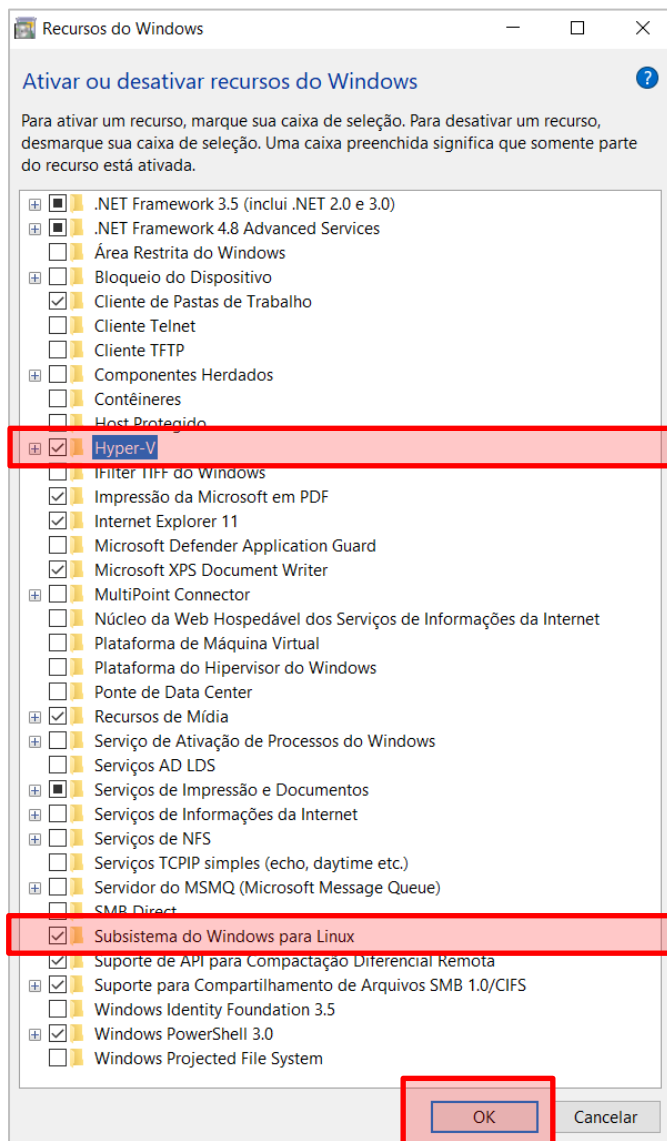


Após isso, dê um click na opção **Ativar ou desativar recursos do Windows**



PARTE PRÁTICA: PREPARAÇÃO DO AMBIENTE

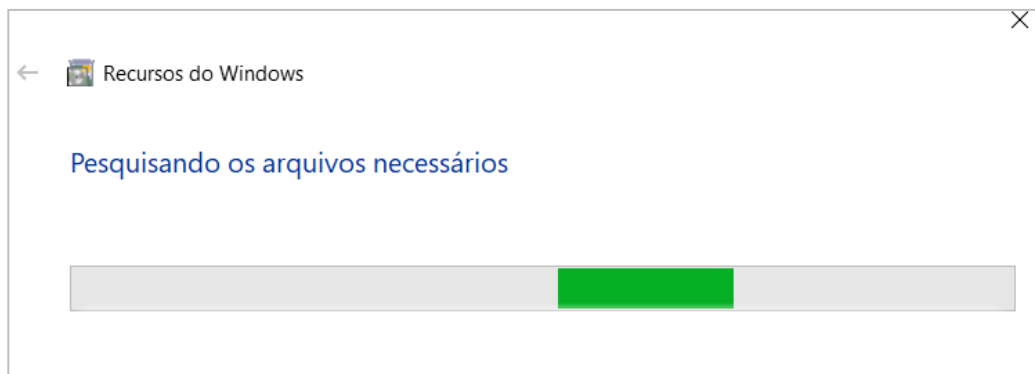
Selecione a opção **Hyper-V** e **Subsistema do Windows para Linux**



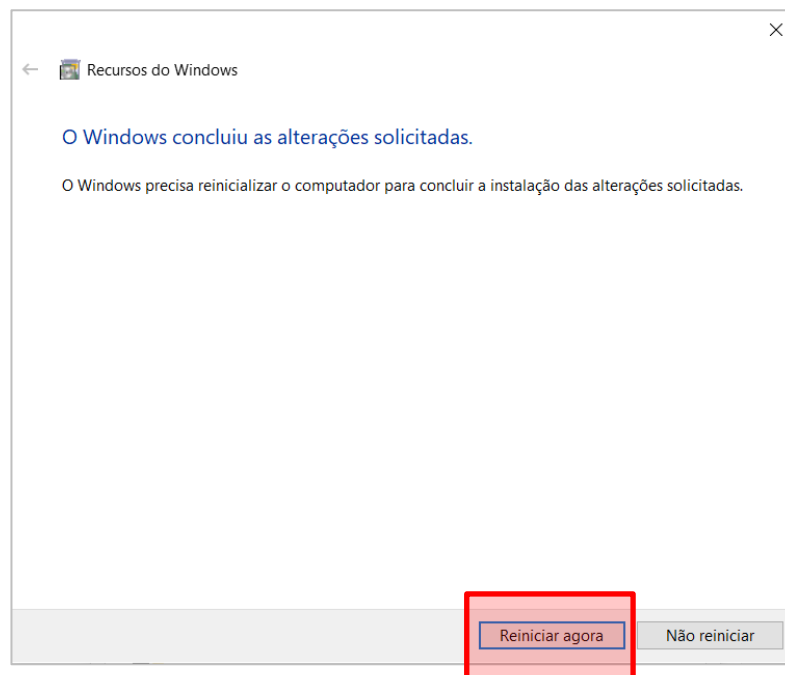
WSL2

PARTE PRÁTICA: PREPARAÇÃO DO AMBIENTE

Após a escolha, alguns itens devem ser instalados em seu sistema operacional



Reinice seu ambiente de trabalho para que as novas configurações sejam efetuadas

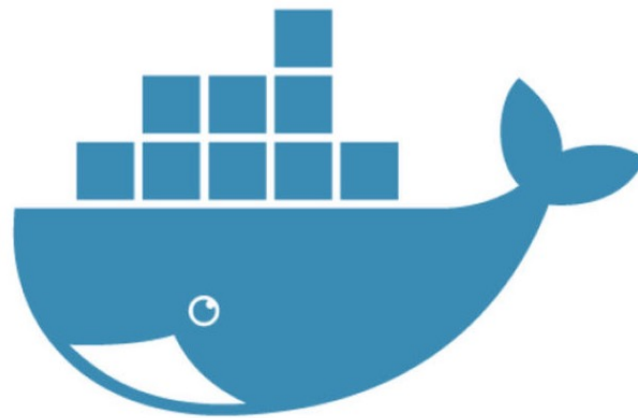


PARTE PRÁTICA: INSTALAR DOCKER DESKTOP

SETUP DO AMBIENTE: INSTALAR DOCKER DESKTOP NO SISTEMA OPERACIONAL WINDOWS 10

Acesse o link abaixo:

<https://docs.docker.com/desktop/windows/install/>



PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10

Clique no botão **Docker Desktop for Windows** para realizar o download

docs.docker.com/desktop/windows/install/

docker docs Search the docs Home Guides Manuals Reference Samples

Manuals / Docker Desktop / Windows / Install Docker Desktop for Windows

Install Docker Desktop on Windows

Estimated reading time: 9 minutes

Update to the Docker Desktop terms

Commercial use of Docker Desktop in larger enterprises (more than 250 employees OR more than \$10 million USD in annual revenue) now requires a paid subscription. The grace period for those that will require a paid subscription ends on January 31, 2022. [Learn more.](#)

Welcome to Docker Desktop for Windows. This page contains information about Docker Desktop for Windows system requirements, download URL, instructions to install and update Docker Desktop for Windows.

Download Docker Desktop for Windows 1

Docker Desktop for Windows

Edit this page
Request docs changes
On this page:
System requirements
WSL 2 backend
Hyper-V backend and Windows containers
About Windows containers
Install Docker Desktop on Windows
Start Docker Desktop
Quick Start Guide

Docker Desktop In....exe
450/488 MB, 1 min left

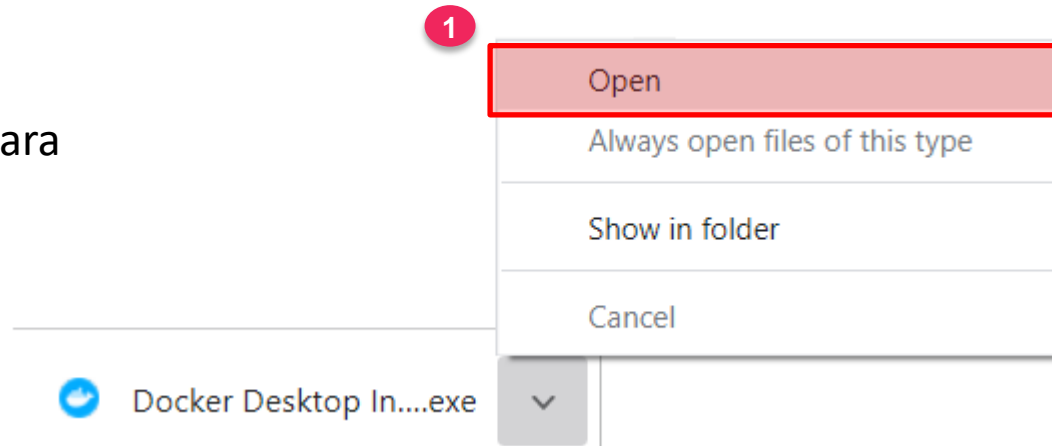
2

Docker Desktop In....exe

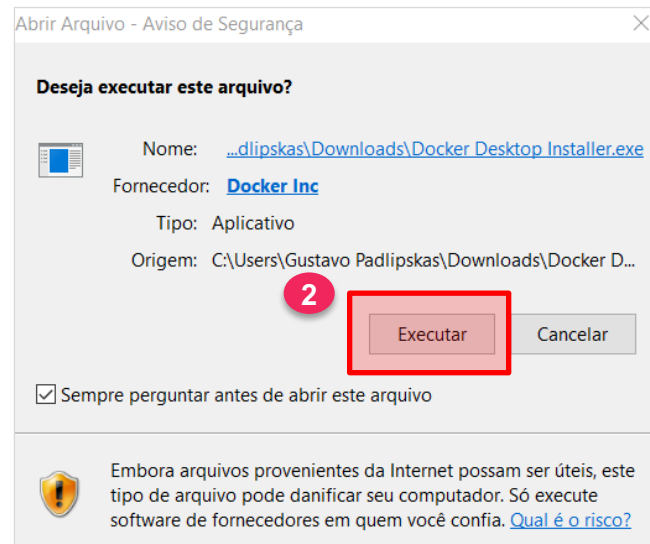
3

PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Clique na opção **Open** para iniciar a instalação

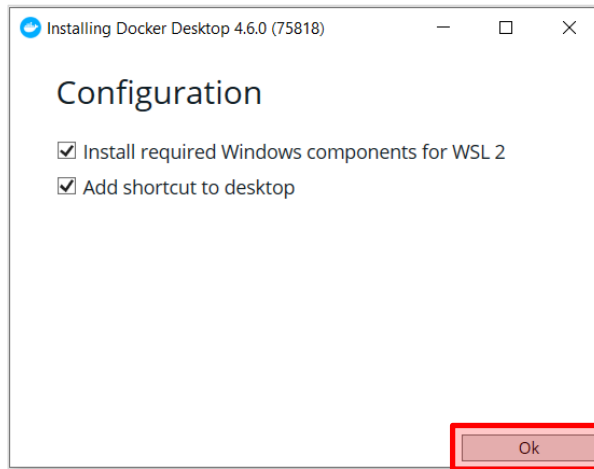


Clique no botão **Executar**

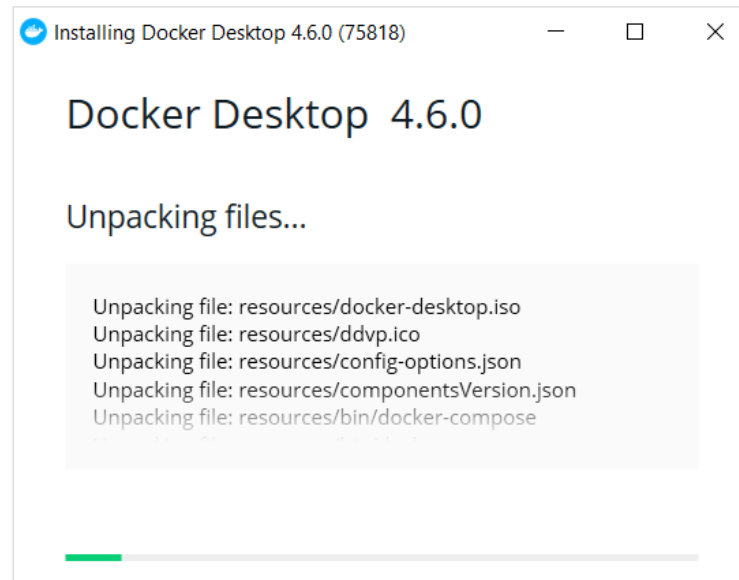


PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Clique no botão OK

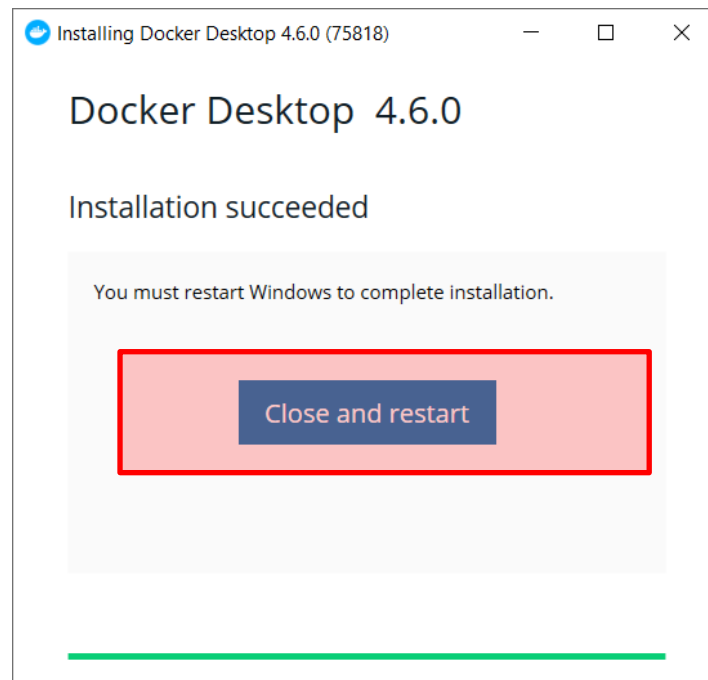


Instalação em andamento...



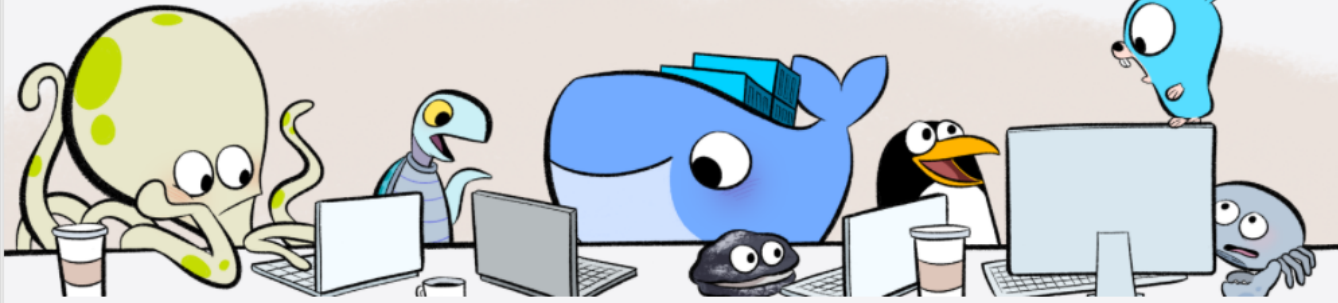
PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Instalação concluída com sucesso! Pressione o botão **Close and restart** para iniciar o uso do docker desktop



PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Depois do restart geral do seu ambiente Windows, analise os termos descritos no docker, e caso esteja de acordo pressione o botão **Accept**




Our Service Agreement has Changed

We've updated the [Docker Subscription Service Agreement](#). Please read the [Blog](#) and [FAQs](#) to learn how companies using Docker Desktop may be affected. By checking "I accept the terms" you agree to the [Subscription Service Agreement](#), the [Data Processing Agreement](#), and the [Data Privacy Policy](#).

Here's a summary of key changes:

- Our Docker Subscription Service Agreement include a change to the terms of use for Docker Desktop.
 - It **remains free** for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects.
 - It requires a paid subscription for professional use in larger enterprises.
- The effective date of these terms is August 31, 2021. There was a **grace period** until January 31, 2022 for those that require a paid subscription to use Docker Desktop. Docker trusts our customers to be in compliance and Docker Desktop will continue to function normally after January 31st, but this is a

☒ I accept the terms

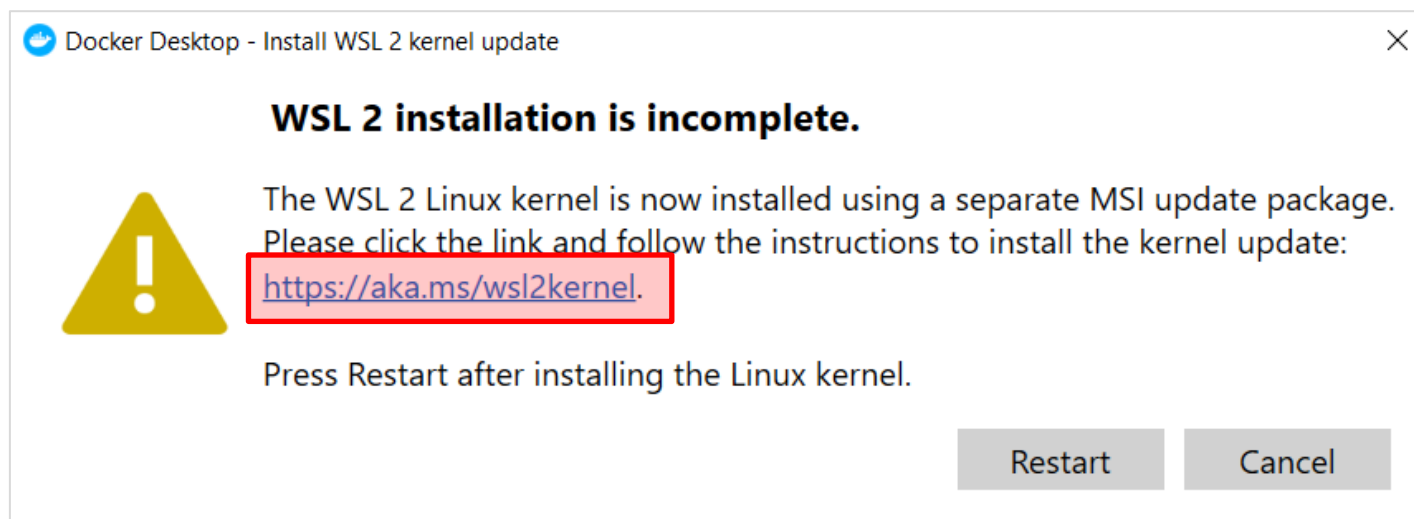
[View Full Terms](#) 

[Decline and Close Application](#) [Accept](#)

PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

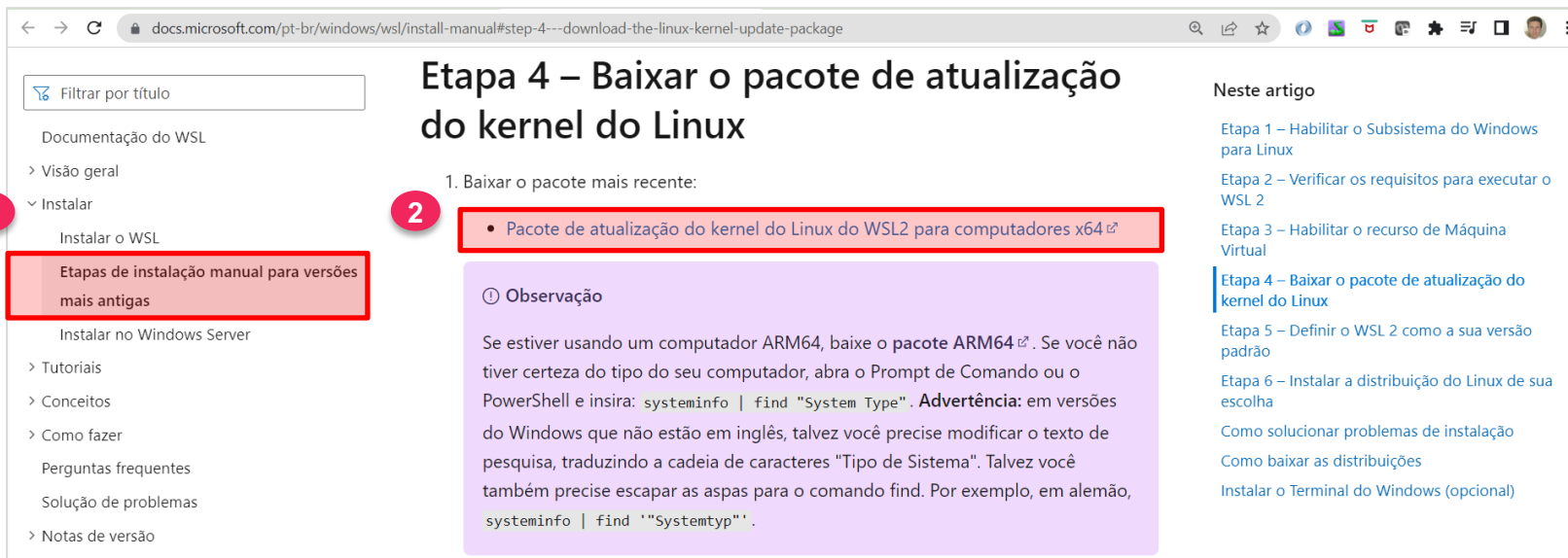
Após a escolha será informando que o WSL 2 necessita ser atualizado para o docker desktop funcionar adequadamente

Clique no link abaixo para realizar essa atualização

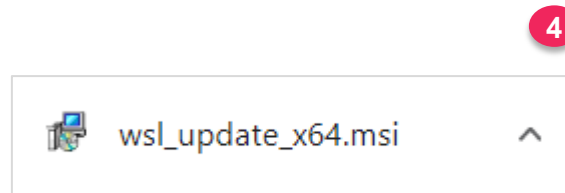
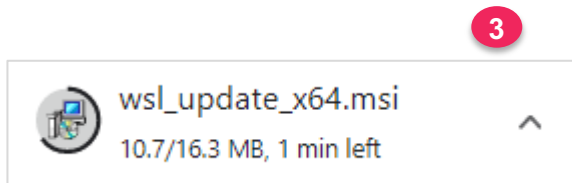


PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10

Dentro da página da Microsoft relacionada ao tema WSL, realize o download dando um click no item “[Pacote de atualização do kernel do Linux do WSL2 para computadores x64](#)”

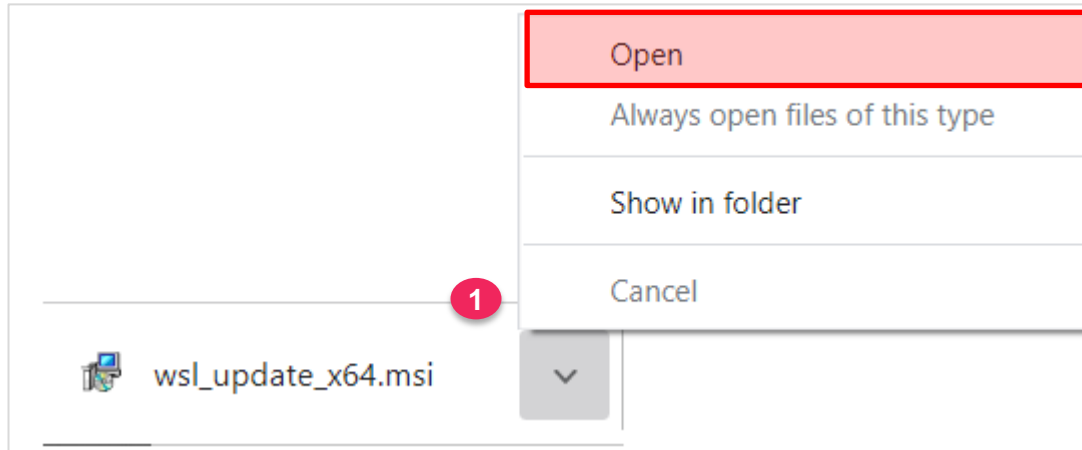


The screenshot shows the Microsoft documentation page for WSL2 kernel updates. The browser address bar displays the URL: docs.microsoft.com/pt-br/windows/wsl/install-manual#step-4---download-the-linux-kernel-update-package. The page title is "Etapa 4 – Baixar o pacote de atualização do kernel do Linux". The left sidebar contains a navigation menu with the following items: "Documentação do WSL", "> Visão geral", "1 > Instalar" (highlighted with a red box and a red circle with the number 1), "Instalar o WSL", "Etapas de instalação manual para versões mais antigas" (highlighted with a red box), "Instalar no Windows Server", "> Tutoriais", "> Conceitos", "> Como fazer", "Perguntas frequentes", "Solução de problemas", and "> Notas de versão". The main content area shows the title "Etapa 4 – Baixar o pacote de atualização do kernel do Linux" and a list of download links. The first link, "Pacote de atualização do kernel do Linux do WSL2 para computadores x64" (highlighted with a red box and a red circle with the number 2), is the one to be clicked. Below the list is an "Observação" (Note) section with a purple background, providing instructions for ARM64 and x64 systems. The right sidebar, titled "Neste artigo", lists the steps of the WSL2 installation process, with "Etapa 4 – Baixar o pacote de atualização do kernel do Linux" highlighted in blue.

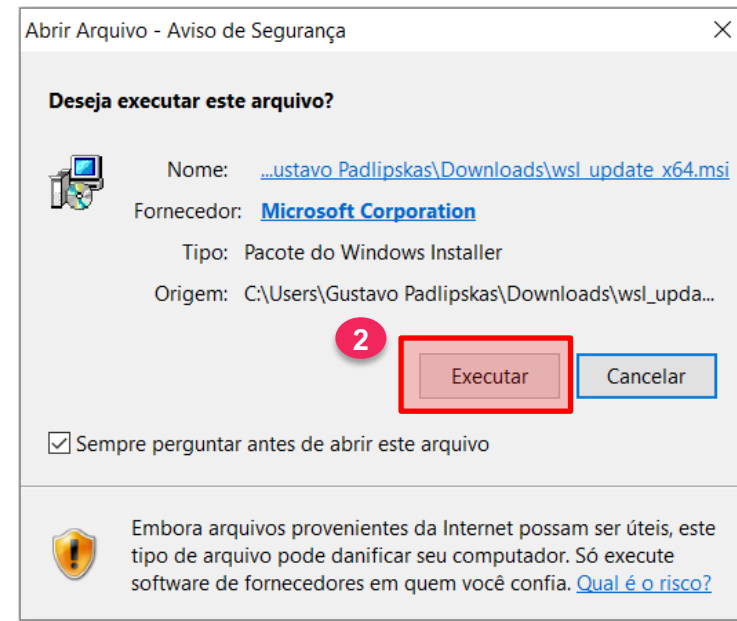


PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10

Após a conclusão do download, clique no botão da direita do mouse e utilize a opção **Open**

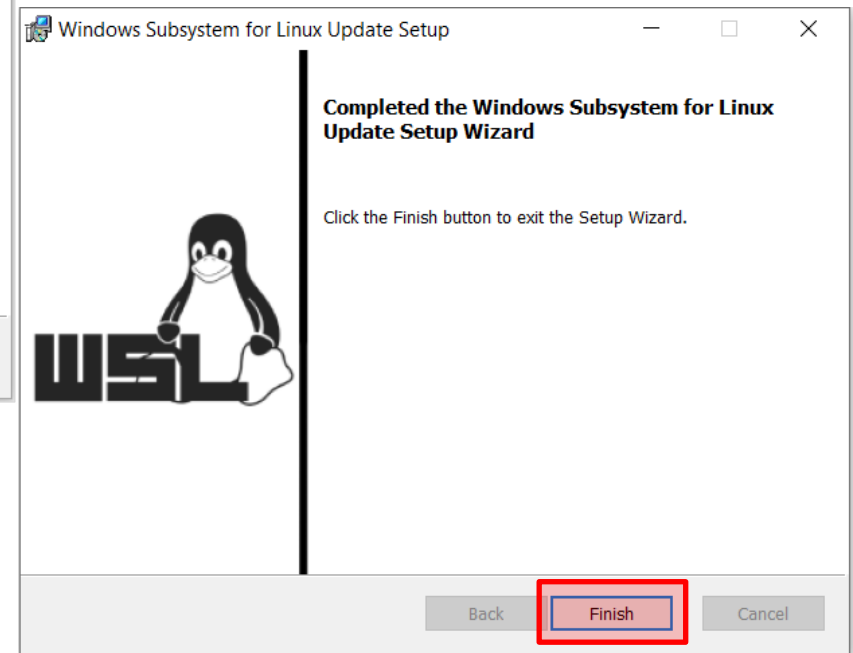
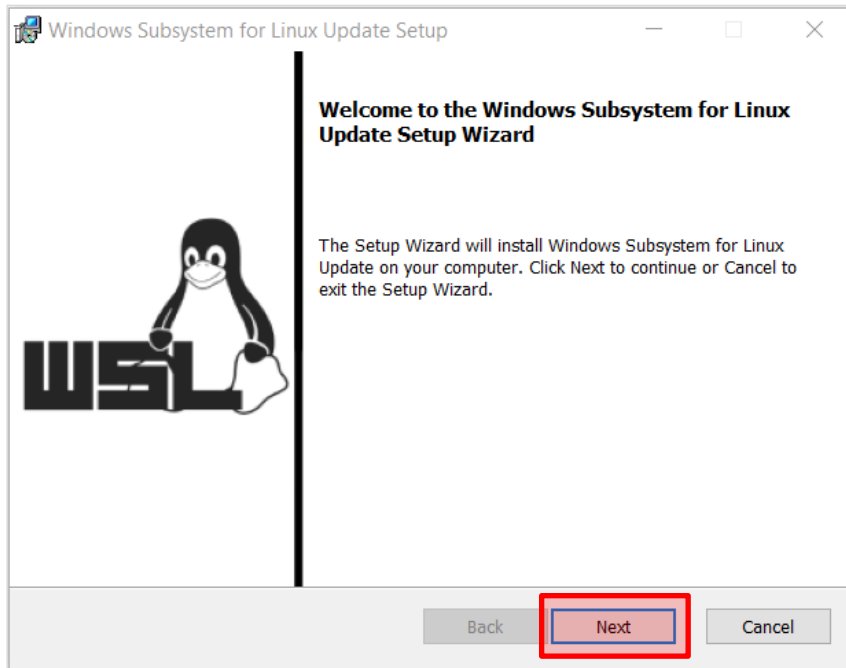


Clique no botão Executar para iniciar atualização do WSL 2



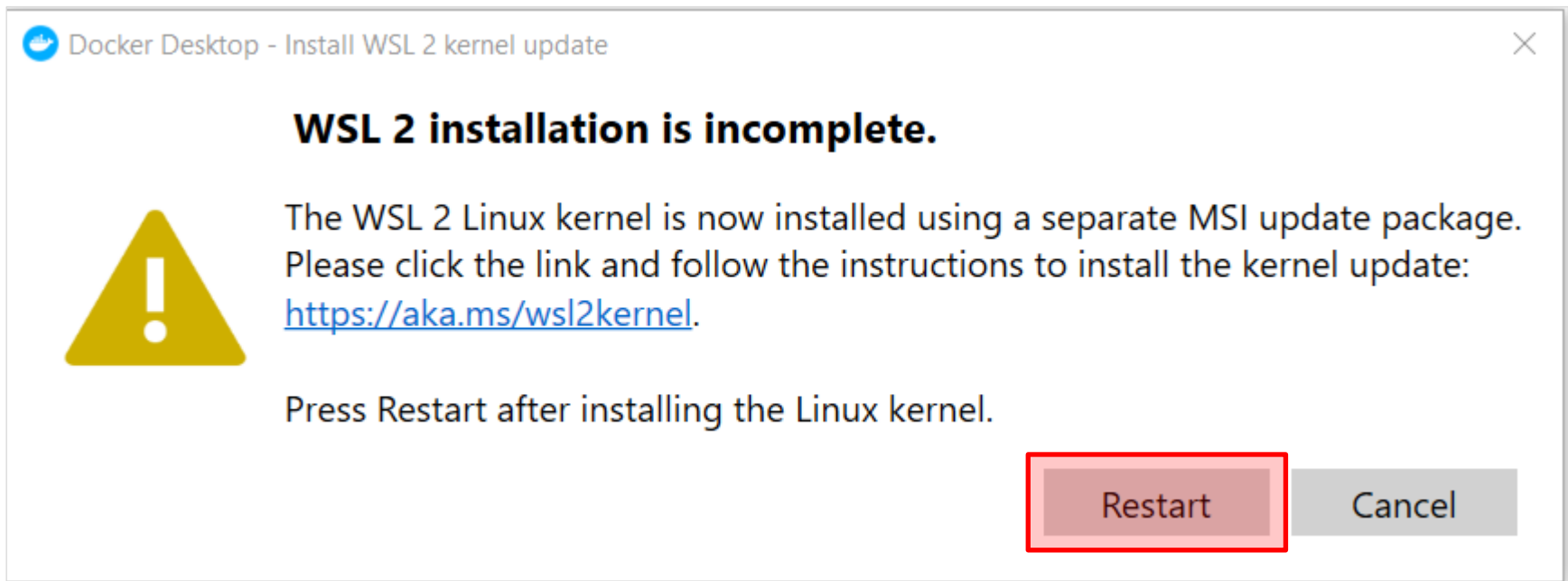
PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Atualize o WSL em seu Sistema Operacional Windows 10



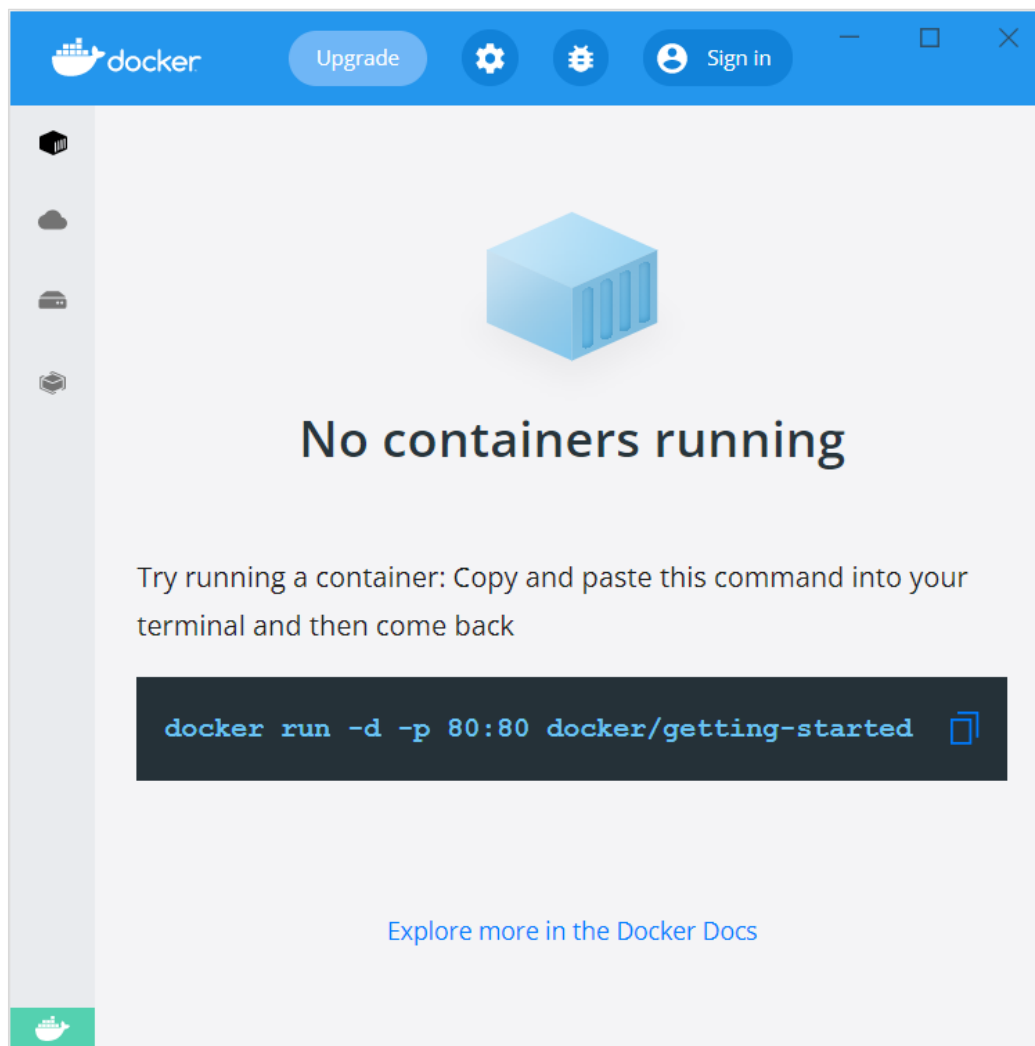
PARTE PRÁTICA: INSTALAR DOCKER DESKTOP NO WINDOWS 10 FIAP

Após a atualização do WSL, clique no botão **Restart**



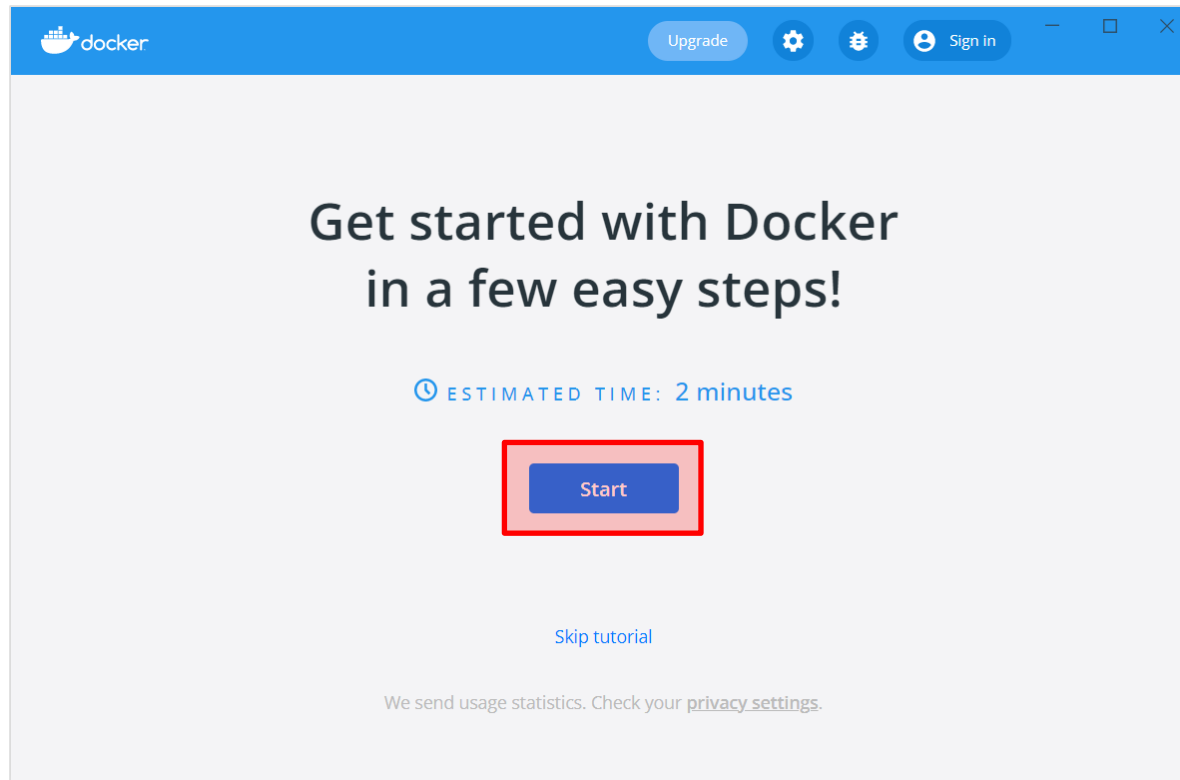
PARTE PRÁTICA: INSTALAR DOCKER DESKTOP

Pronto! Agora temos a chamada do docker desktop pela página principal de seu Sistema operacional e também a tela inicial da ferramenta



GET STARTED WITH DOCKER

Você pode iniciar um pequeno tutorial do Docker clicando nessa opção



GET STARTED WITH DOCKER

Siga os passos do How To e clique no botão **Next Step** de cada etapa, até publicar sua Imagem no Docker Hub

1 Clone

First, clone a repository

The Getting Started project is a simple GitHub repository which contains everything you need to build an image and run it as a container.

Clone the repository by running Git in a container.

```
docker run --name repo alpine/git clone \
https://github.com/docker/getting-
started.git
docker cp repo:/git/getting-started/ .
```

You can also type the command directly in a

Next Step

Skip tutorial

Windows PowerShell
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Experimente a nova plataforma cruzada PowerShe
PS C:\Users\Gustavo Padlipskas>

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