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Microserviços | Aula 2

Laboratórios

Este módulo aborda os seguintes tópicos:

- **Laboratório 3 - Criando conta do DockerHub**

Será necessário:

- E-mail para acesso a conta DockerHub
- Usaremos conta gratuita

Referência Bibliográfica

- Site oficial Documentação Docker - <https://www.docker.com/>
- Site oficial DockerHub - <https://hub.docker.com/>

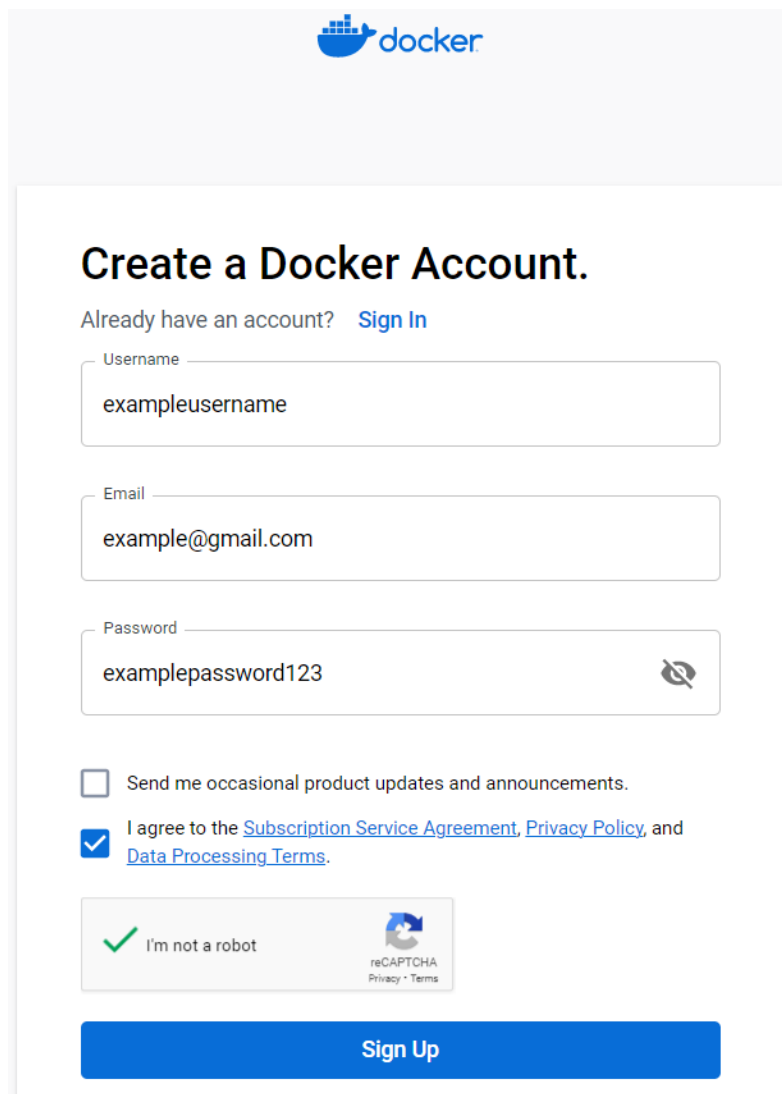
Laboratório 3 - Criando conta do DockerHub


Neste laboratório você aprenderá a criar uma conta no DockerHub.

Usaremos essa conta para a construção do nosso repositório de imagens Docker e também para outros laboratórios como Deployment para criar nossa esteira CI/CD.

Etapa 1 - Acessando site

Acesso o site: <https://hub.docker.com/>




 **docker**

Create a Docker Account.

Already have an account? [Sign In](#)



Username

Email

Password 

☐ Send me occasional product updates and announcements.


☒ I agree to the [Subscription Service Agreement](#), [Privacy Policy](#), and [Data Processing Terms](#).

 I'm not a robot 

Sign Up

Preencher os dados de usuário, e-mail e senha.

Etapa 2 - Acesse com a conta criada




Enter Your Password

Enter your password for Docker to continue to Docker Hub

[Edit](#)

Password




[Forgot password?](#)

Continue

Preencher usuário e senha




Etapa 3 - Escolha o plano “Personal” (Gratuito):

Personal

 1

Includes the Docker essentials and is ideal for individual developers, education, open source communities, and small businesses.

\$0

- Docker Desktop 
- Unlimited public repositories
- Docker Engine + Kubernetes 
- Limited image pulls per day
- Unlimited scoped tokens 

Continue with Free

Clique em “Continue with Free”

Etapa 4 - Verifique seu e-mail:



Please verify your email address

Great! You're almost there. Before you can create a repository or configure Docker Hub, you'll need to verify your email address.

We've sent a verification email to

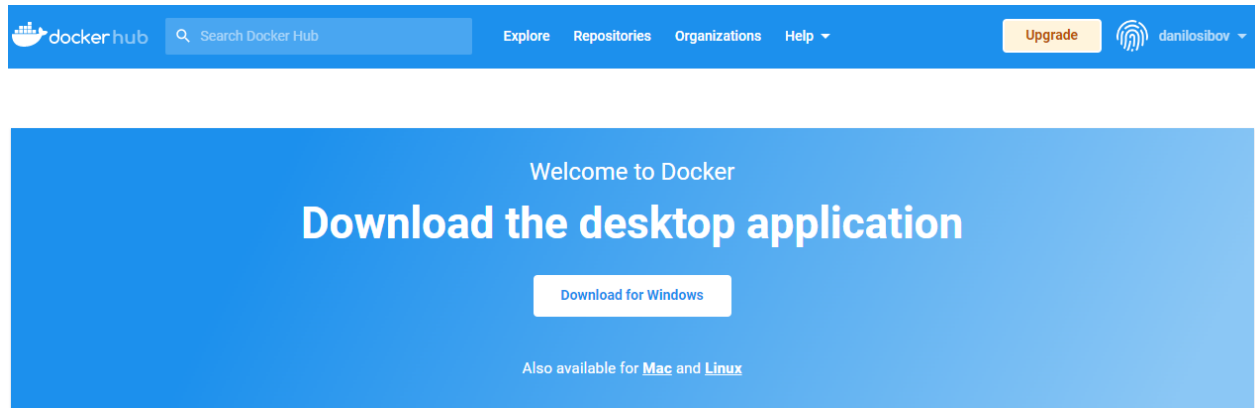
[REDACTED]

If you didn't receive the email, try [resending it](#) or check your [email settings](#).

Mensagem gerada automaticamente

Etapa 5 - Após verificar seu e-mail, volte para o site do DockerHub

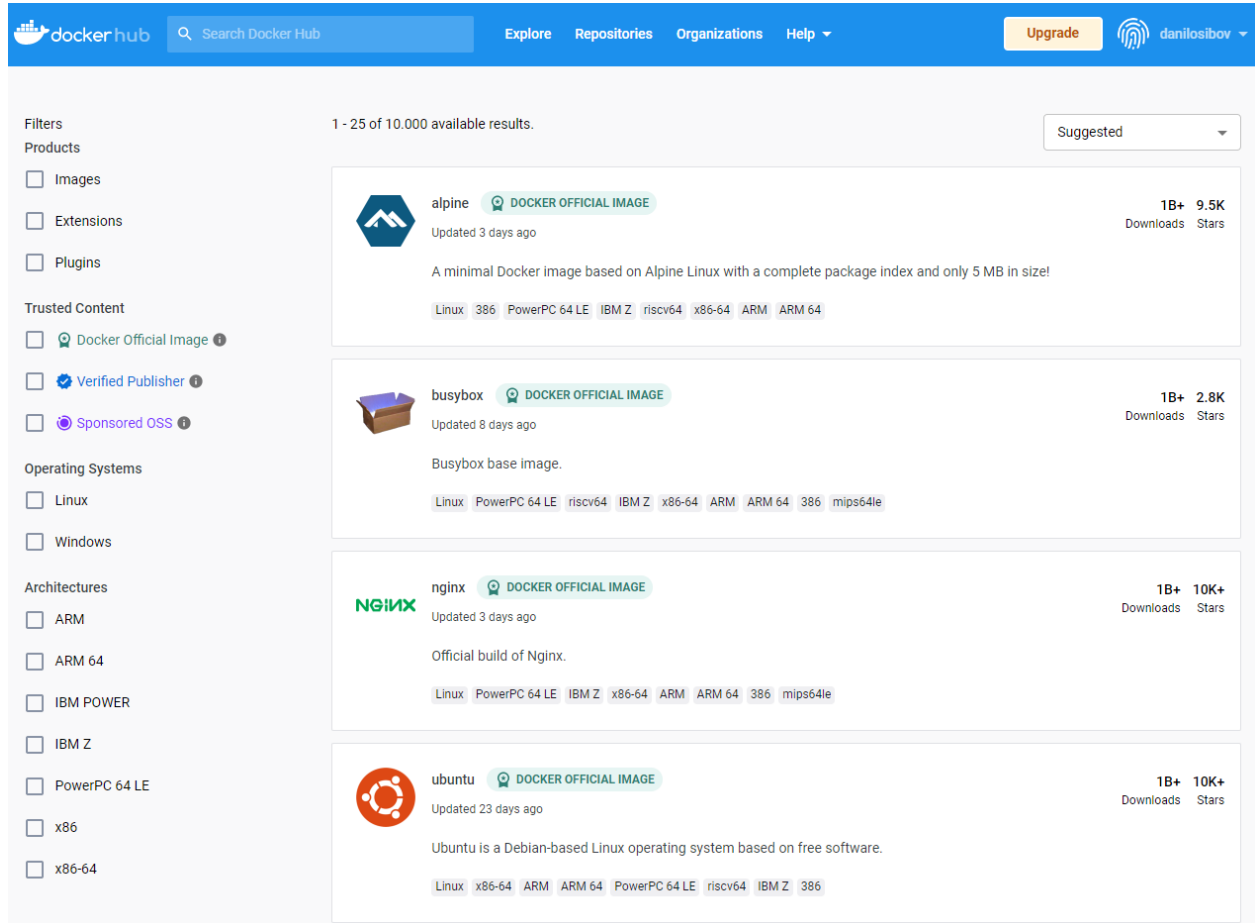
Acesso o site: <https://hub.docker.com/>



Explore Imagens disponíveis

Pesquisar imagens registradas oficiais e não oficiais.

Acesso o site: <https://hub.docker.com/search?q=>



The screenshot shows the Docker Hub search results page. The top navigation bar includes the Docker Hub logo, a search bar, and links for Explore, Repositories, Organizations, and Help. A user profile for 'danilosibov' is visible in the top right corner. The left sidebar contains filters for Products (Images, Extensions, Plugins), Trusted Content (Docker Official Image, Verified Publisher, Sponsored OSS), Operating Systems (Linux, Windows), and Architectures (ARM, ARM 64, IBM POWER, IBM Z, PowerPC 64 LE, x86, x86-64). The main content area displays search results for 'alpine', 'busybox', 'nginx', and 'ubuntu' images, all marked as 'DOCKER OFFICIAL IMAGE'. Each result shows the image name, update time, size, and download/stars counts. The 'alpine' image is 1B+ and has 9.5K stars. The 'busybox' image is 1B+ and has 2.8K stars. The 'nginx' image is 1B+ and has 10K+ stars. The 'ubuntu' image is 1B+ and has 10K+ stars. The results are sorted by 'Suggested'.

Filters

Products

- ☐ Images
- ☐ Extensions
- ☐ Plugins

Trusted Content

- ☐ Docker Official Image
- ☐ Verified Publisher
- ☐ Sponsored OSS

Operating Systems

- ☐ Linux
- ☐ Windows

Architectures

- ☐ ARM
- ☐ ARM 64
- ☐ IBM POWER
- ☐ IBM Z
- ☐ PowerPC 64 LE
- ☐ x86
- ☐ x86-64

1 - 25 of 10.000 available results.

Suggested

alpine DOCKER OFFICIAL IMAGE

Updated 3 days ago

1B+ 9.5K
Downloads Stars

A minimal Docker image based on Alpine Linux with a complete package index and only 5 MB in size!

Linux 386 PowerPC 64 LE IBM Z riscv64 x86-64 ARM ARM 64

busybox DOCKER OFFICIAL IMAGE

Updated 8 days ago

1B+ 2.8K
Downloads Stars

Busybox base image.

Linux PowerPC 64 LE riscv64 IBM Z x86-64 ARM ARM 64 386 mips64le

nginx DOCKER OFFICIAL IMAGE

Updated 3 days ago

1B+ 10K+
Downloads Stars

Official build of Nginx.

Linux PowerPC 64 LE IBM Z x86-64 ARM ARM 64 386 mips64le

ubuntu DOCKER OFFICIAL IMAGE

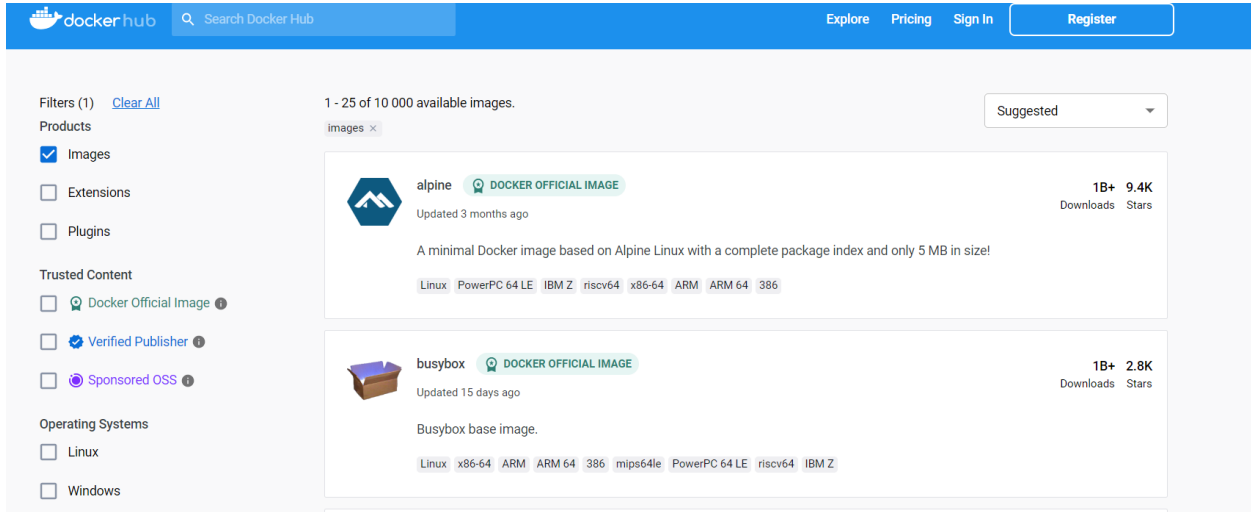
Updated 23 days ago

1B+ 10K+
Downloads Stars

Ubuntu is a Debian-based Linux operating system based on free software.

Linux x86-64 ARM ARM 64 PowerPC 64 LE riscv64 IBM Z 386

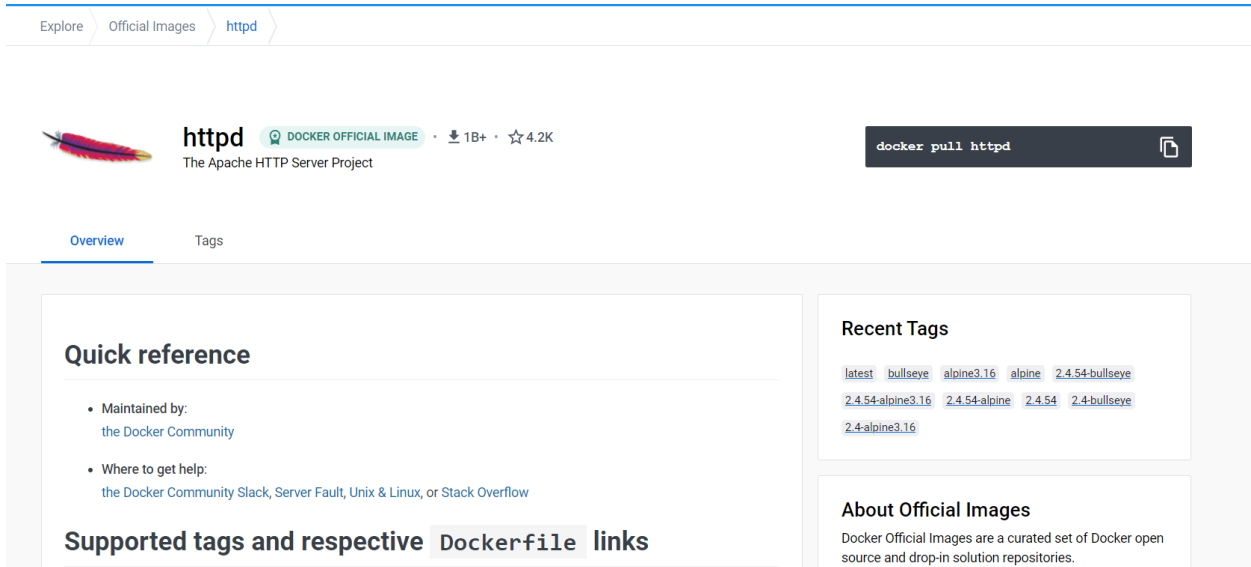
Imagens oficiais do Docker, vamos acessar o site oficial do Dockerhub, acesse:
<https://hub.docker.com/search?q=&type=image>



The screenshot shows the Docker Hub search interface. The top navigation bar includes 'docker hub', a search bar, and links for 'Explore', 'Pricing', 'Sign In', and 'Register'. On the left, there are filters for 'Products' (Images, Extensions, Plugins) and 'Trusted Content' (Docker Official Image, Verified Publisher, Sponsored OSS). The main area displays search results for 'images', showing '1 - 25 of 10 000 available images'. Two results are visible: 'alpine' (Docker Official Image, updated 3 months ago, 1B+ downloads, 9.4K stars) and 'busybox' (Docker Official Image, updated 15 days ago, 1B+ downloads, 2.8K stars). Both images are described as minimal Docker images based on their respective Linux distributions.

As imagens oficiais do Docker possuem um selo **DOCKER OFFICIAL IMAGE**, todas essas imagens são seguras e validadas pela Docker ou até mesmo as próprias empresas, como por exemplo, Microsoft faz as devidas validações.

Para podermos baixar uma imagem do **Dockerhub**, precisamos primeiro procurar no site, procure pela imagem: **httpd**









The screenshot shows the Docker Hub page for the 'httpd' image. The top navigation bar includes 'Explore', 'Official Images', and 'httpd'. The main header shows the 'httpd' image with the Docker Official Image logo, 'The Apache HTTP Server Project', and statistics: '1B+' downloads and '4.2K' stars. Below the header, there are tabs for 'Overview' and 'Tags'. The 'Overview' tab is active, showing a 'Quick reference' section with links to 'Maintained by: the Docker Community' and 'Where to get help: the Docker Community Slack, Server Fault, Unix & Linux, or Stack Overflow'. A section titled 'Supported tags and respective Dockerfile links' is also visible. On the right, there is a 'Recent Tags' section listing various tags like 'latest', 'bullseye', 'alpine3.16', etc. At the bottom right, there is an 'About Official Images' section explaining that Docker Official Images are a curated set of Docker open source and drop-in solution repositories.

Verificar documentação DockerHub

Acesso o site: <https://docs.docker.com/>

What can we help you find?

 <h4>Get started</h4> <p>Learn Docker basics and the benefits of containerizing your applications.</p>	 <h4>Download and install</h4> <p>Download and install Docker on your machine in a few easy steps.</p>	 <h4>Guides</h4> <p>Learn how to set up your Docker environment and start containerizing your applications.</p>
 <h4>Language-specific guides</h4> <p>Learn how to containerize language-specific applications using Docker.</p>	 <h4>Manuals</h4> <p>Browse through the manuals and learn how to use Docker products.</p>	 <h4>Reference</h4> <p>Browse through the CLI and API reference documentation.</p>