Instalação Docker

Laboratório de Investigação

Master in **Applied Informatics**

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Requisitos docker

- Hardware:
  - 64-bit processor with Second Level Address Translation (SLAT)
  - 4GB system RAM
  - Enable hardware virtualization in BIOS

- Podem instalar com wsl2 ou hyper-v

- WSL em windows 10 v2004:
  - Abrir powershell como administrador
  - wsl --install
  - Instala a última versão do wsl com ubuntu

Requisitos docker

- To run Windows containers, you need Windows 10 or Windows 11 Professional or Enterprise edition

- Windows Home or Education editions only allow you to run Linux containers.

- If your administrator account is different to your user account, you must add the user to the docker-users group:
  - Run Computer Management as an administrator.
  - Navigate to Local Users and Groups > Groups > docker-users.
  - Right-click to add the user to the group.
 - Sign out and sign back in for the changes to take effect.

Requisitos docker
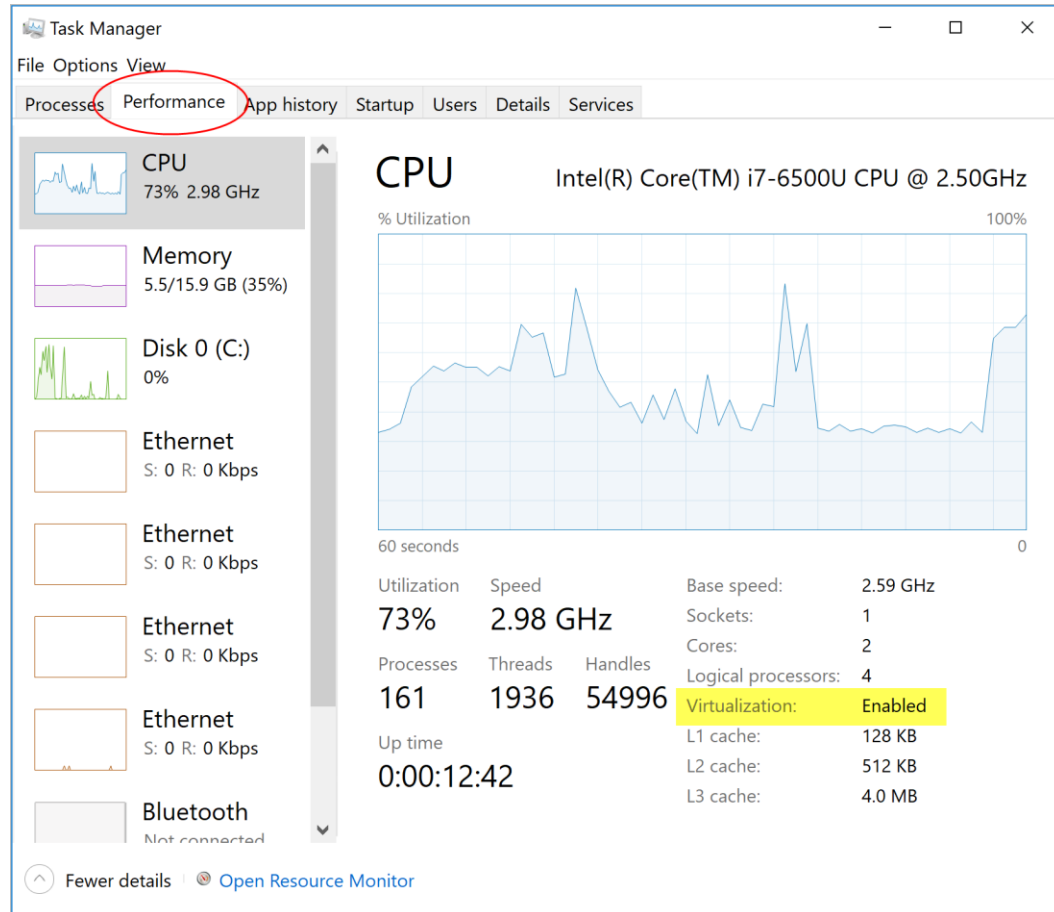
Requisitos docker

- WSL em versões windows 10 anteriores v2004:
  - Ativar recursos WSL: Ir a "Configurações" do Windows, "Aplicativos" > "Programas e recursos" > "Programas e recursos opcionais" > "Adicionar um recurso". Procure por "Windows Subsystem para Linux" e ativar
  - Reiniciar o computador.
  - Abrir o Microsoft Store: Procure por sua distribuição Linux preferida (Ubuntu, Debian, Kali Linux, etc.) e instalar.

Requisitos docker

- WSL em versões windows 10 anteriores v2004:

Download

- https://www.docker.com/products/docker-desktop/
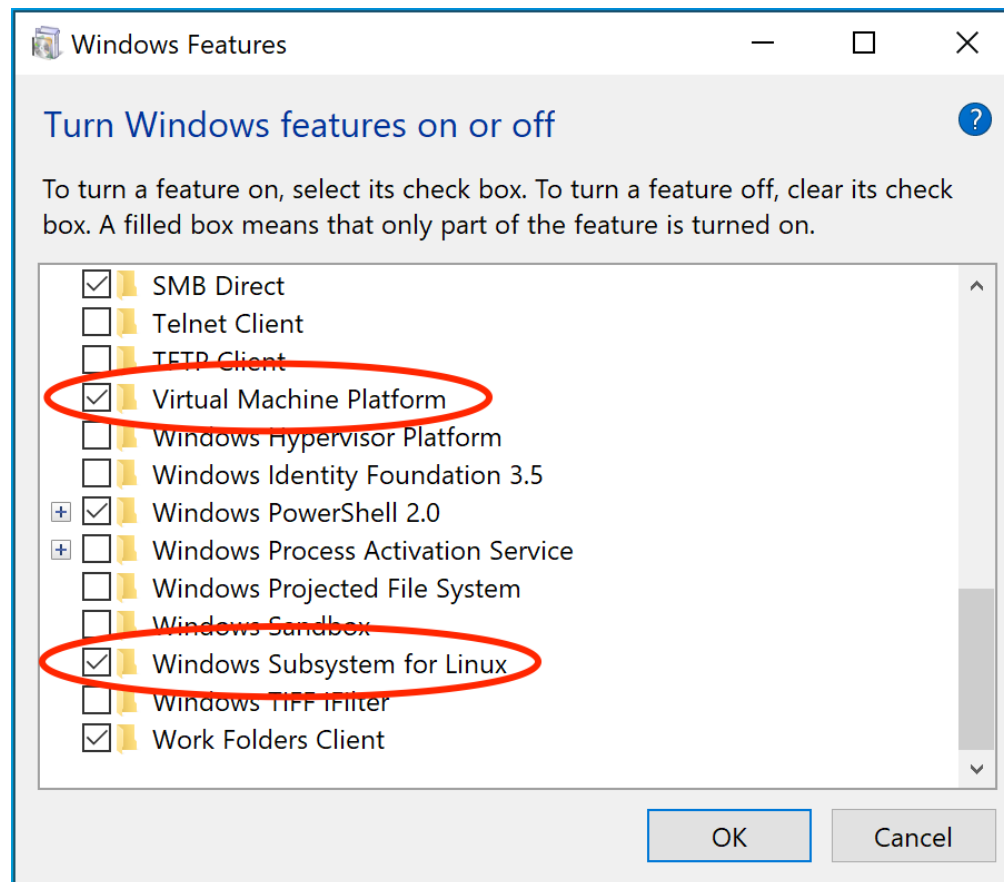
- Descarregar versão Windows

- Recomendado virtualização com wsl2 (alternativa hyper-v)
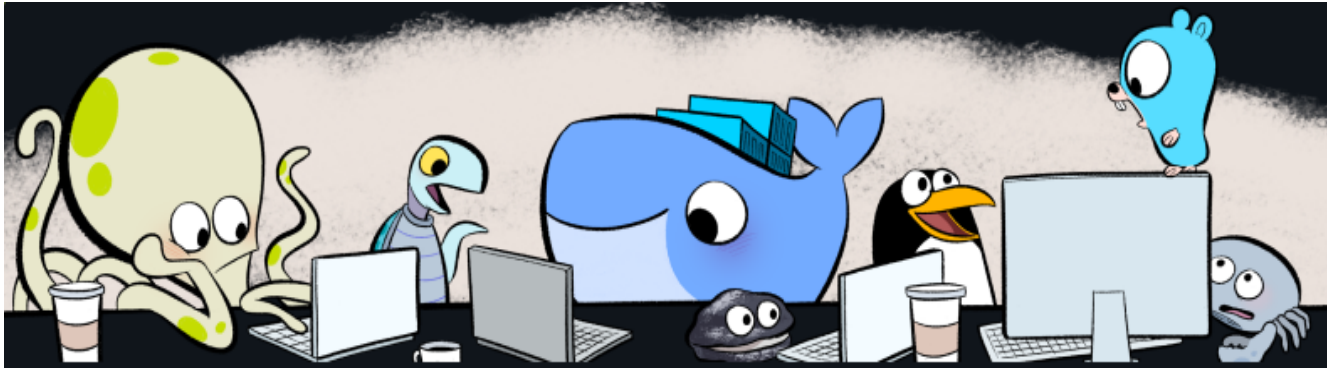
Instalação local (c/wsl 2)
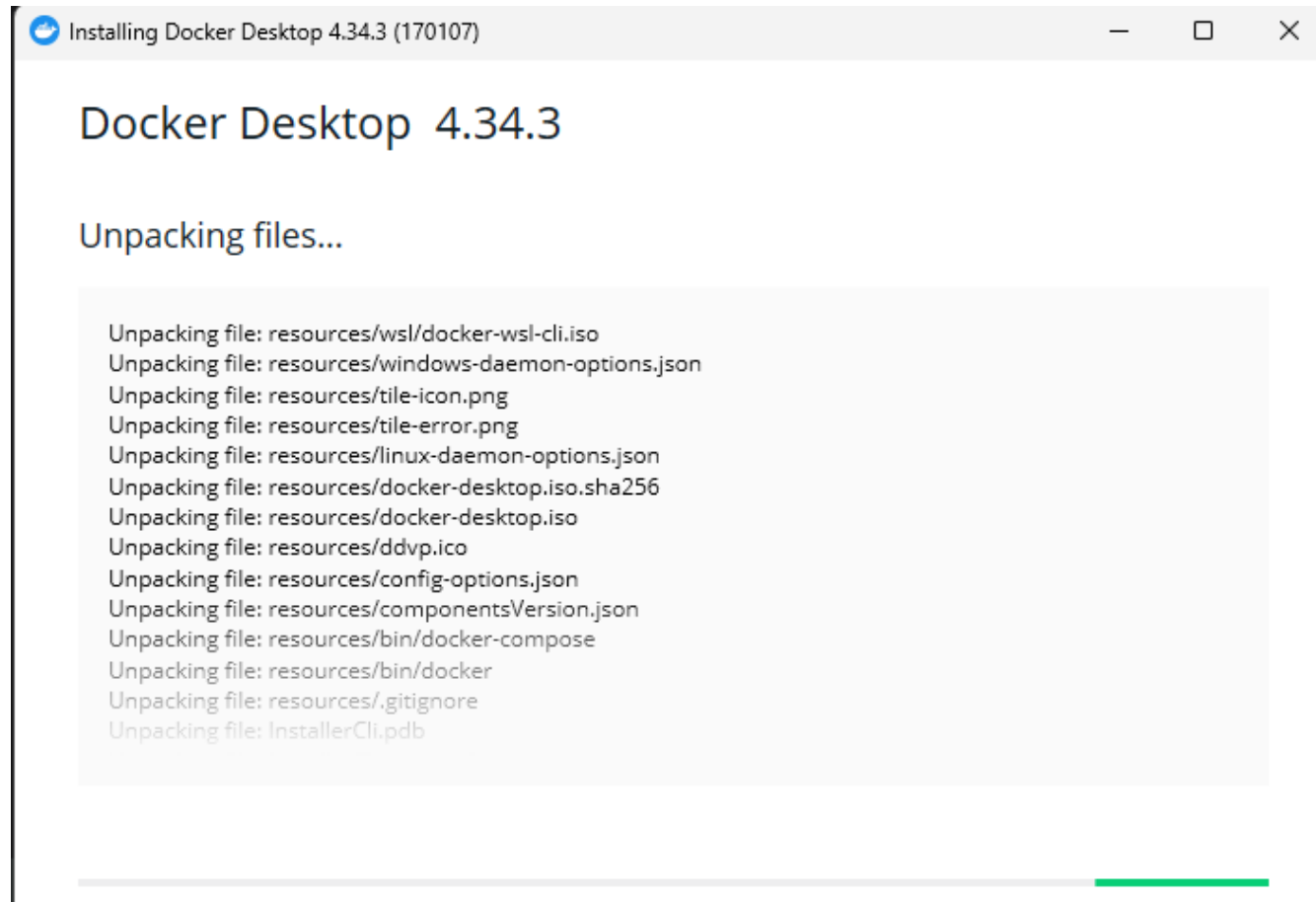
Instalação local (c/wsl 2)
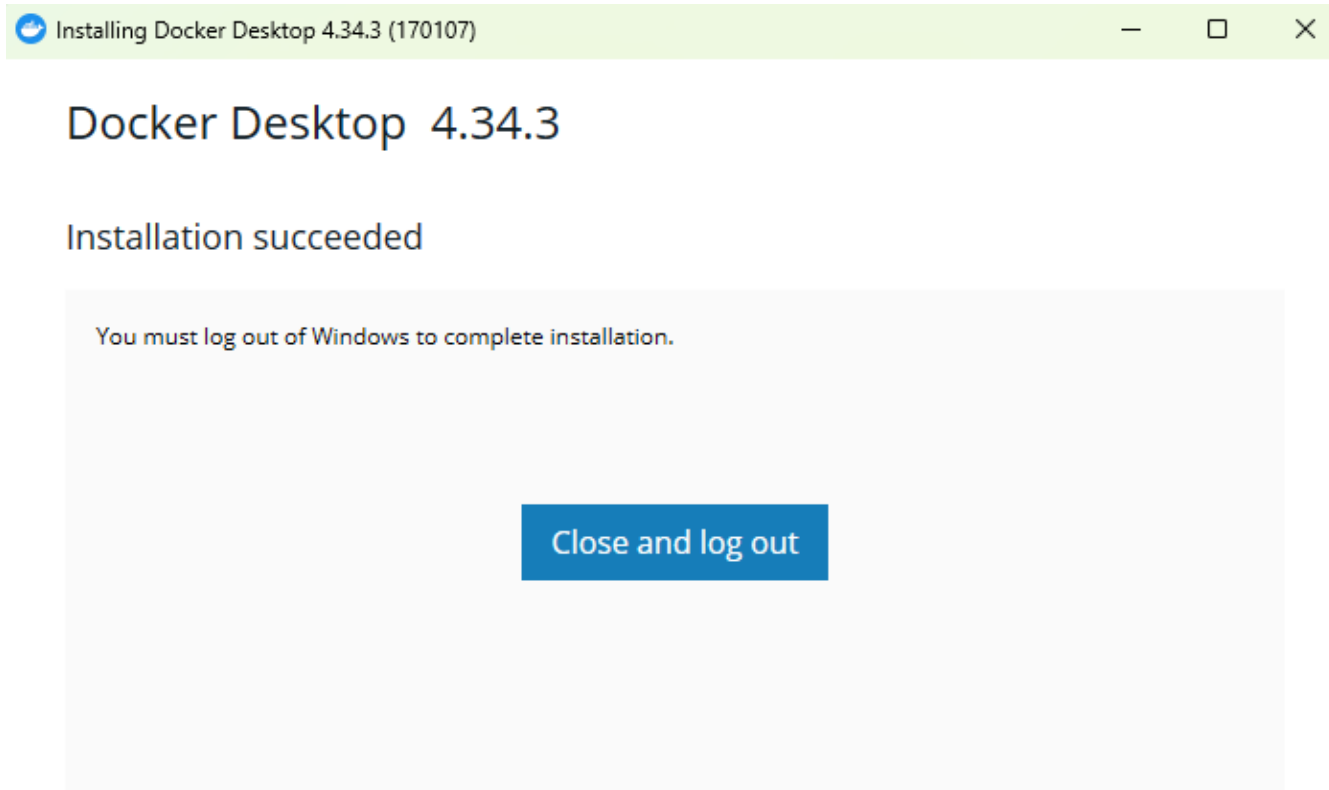
Instalação local (c/wsl 2)
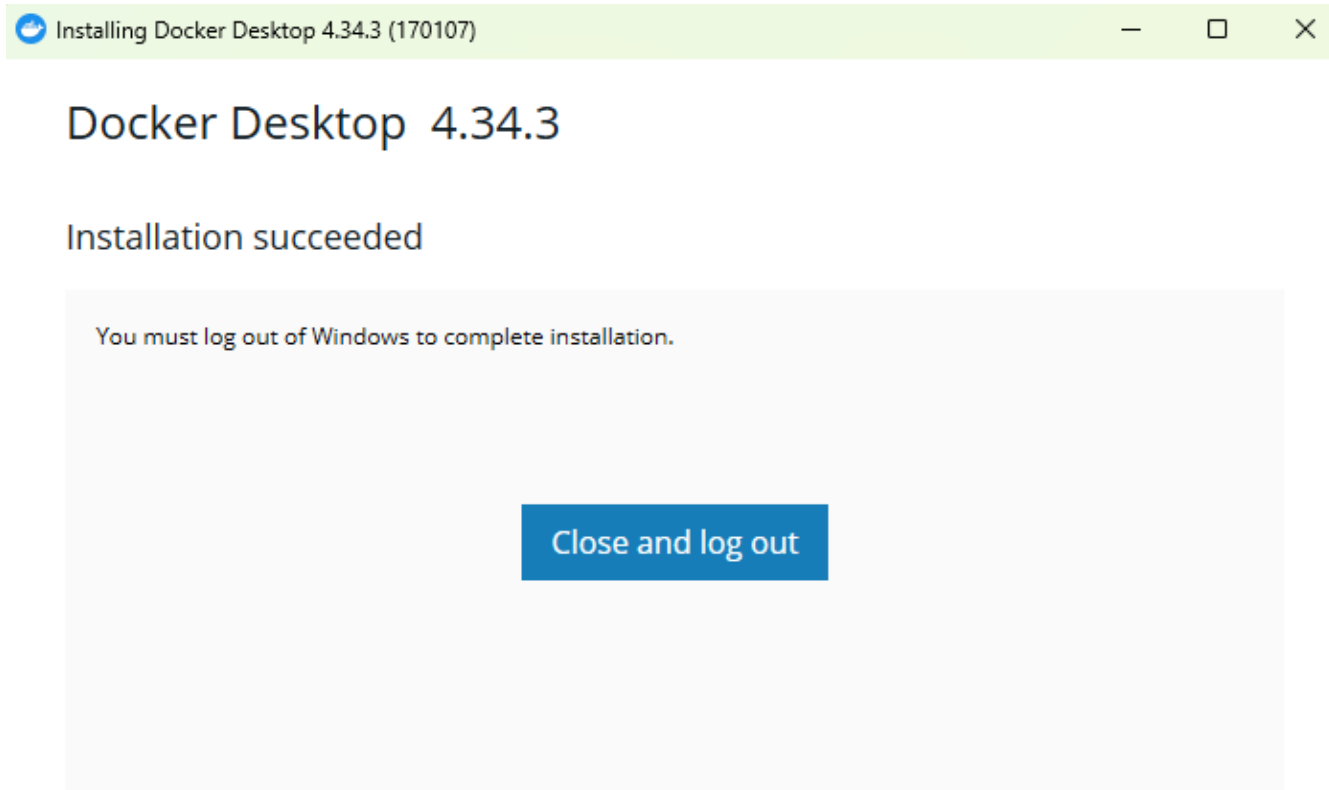
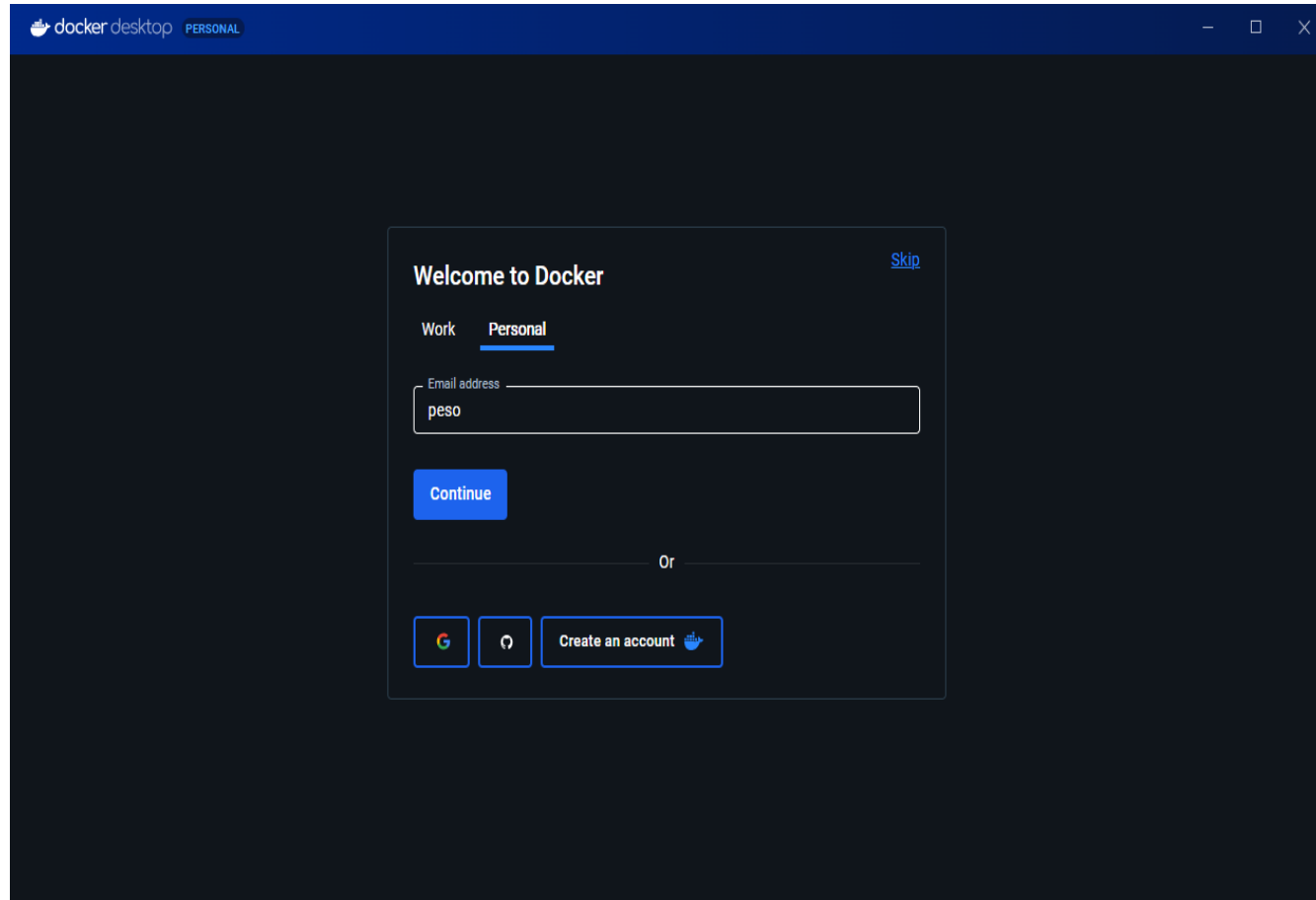# Instalação local (c/wsl 2)

Docker Subscription Service Agreement

By selecting **accept**, you agree to the Subscription Service Agreement ⬈, the Docker Data Processing Agreement ⬈, and the Data Privacy Policy ⬈.

Commercial use of Docker Desktop at a company of more than 250 employees OR more than $10 million in annual revenue requires a paid subscription (Pro, Team, or Business). See subscription details ⬈
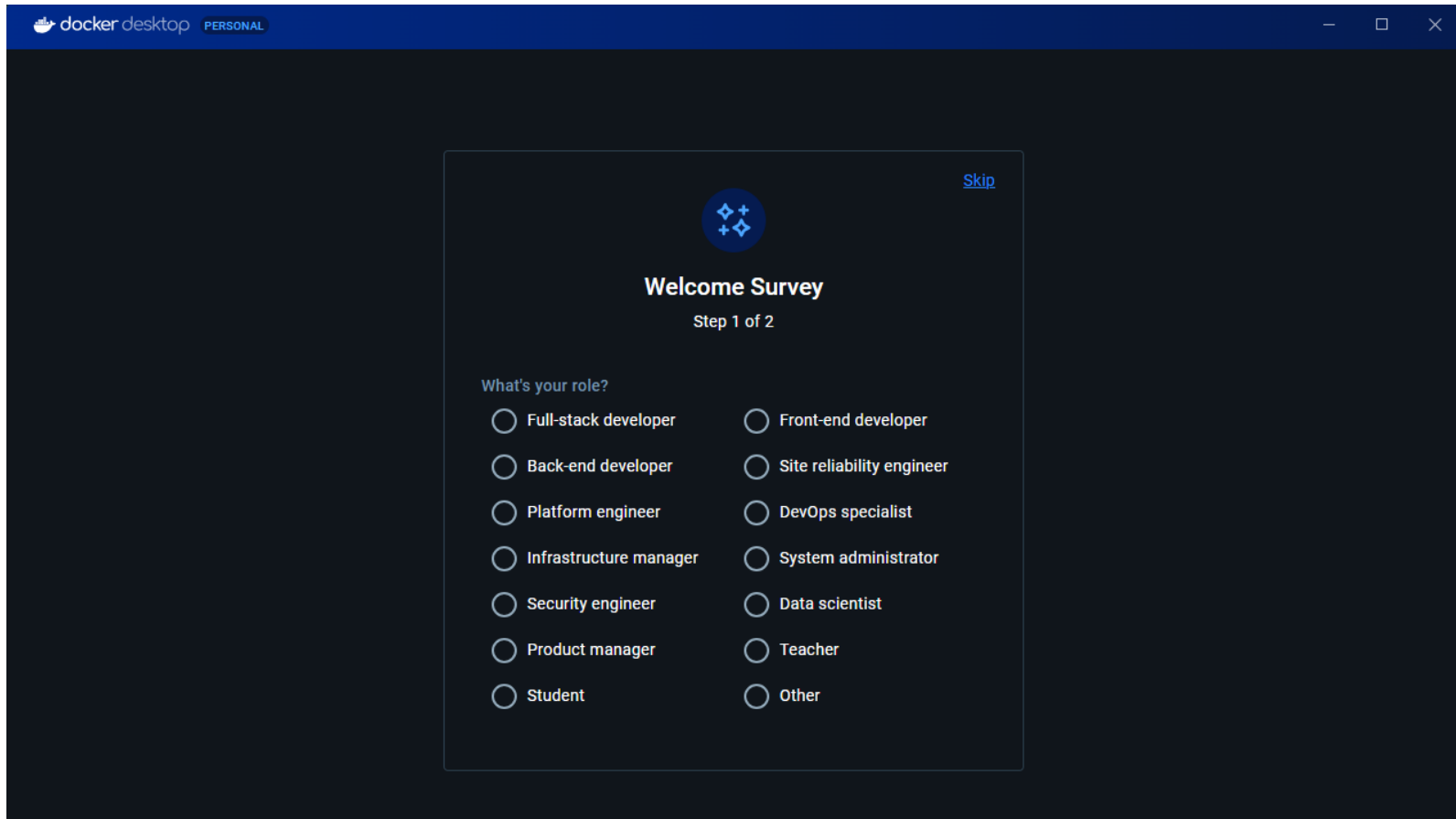
View Full Terms ⬈   **Accept**   **Close**

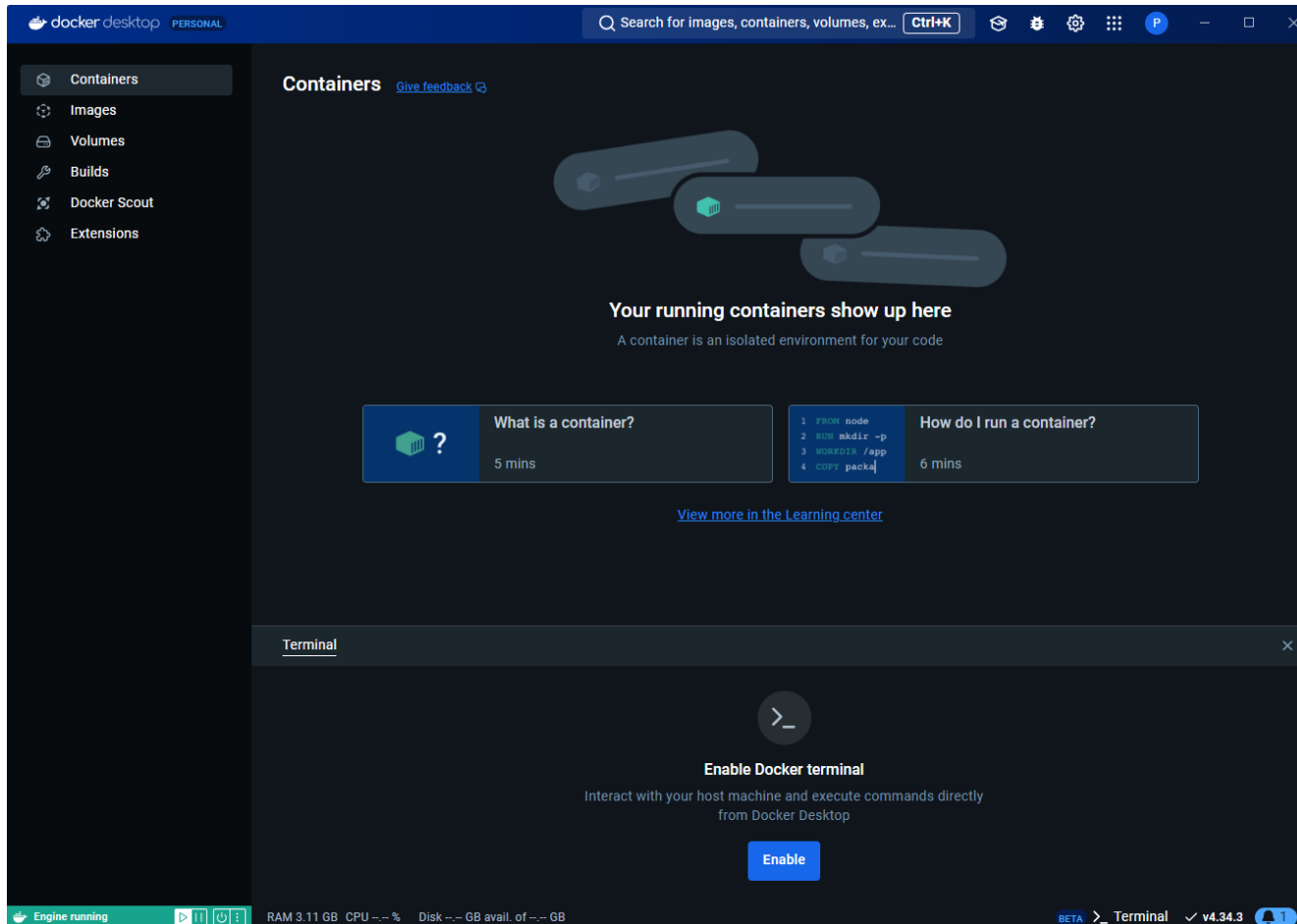# Instalação local (c/wsl 2)

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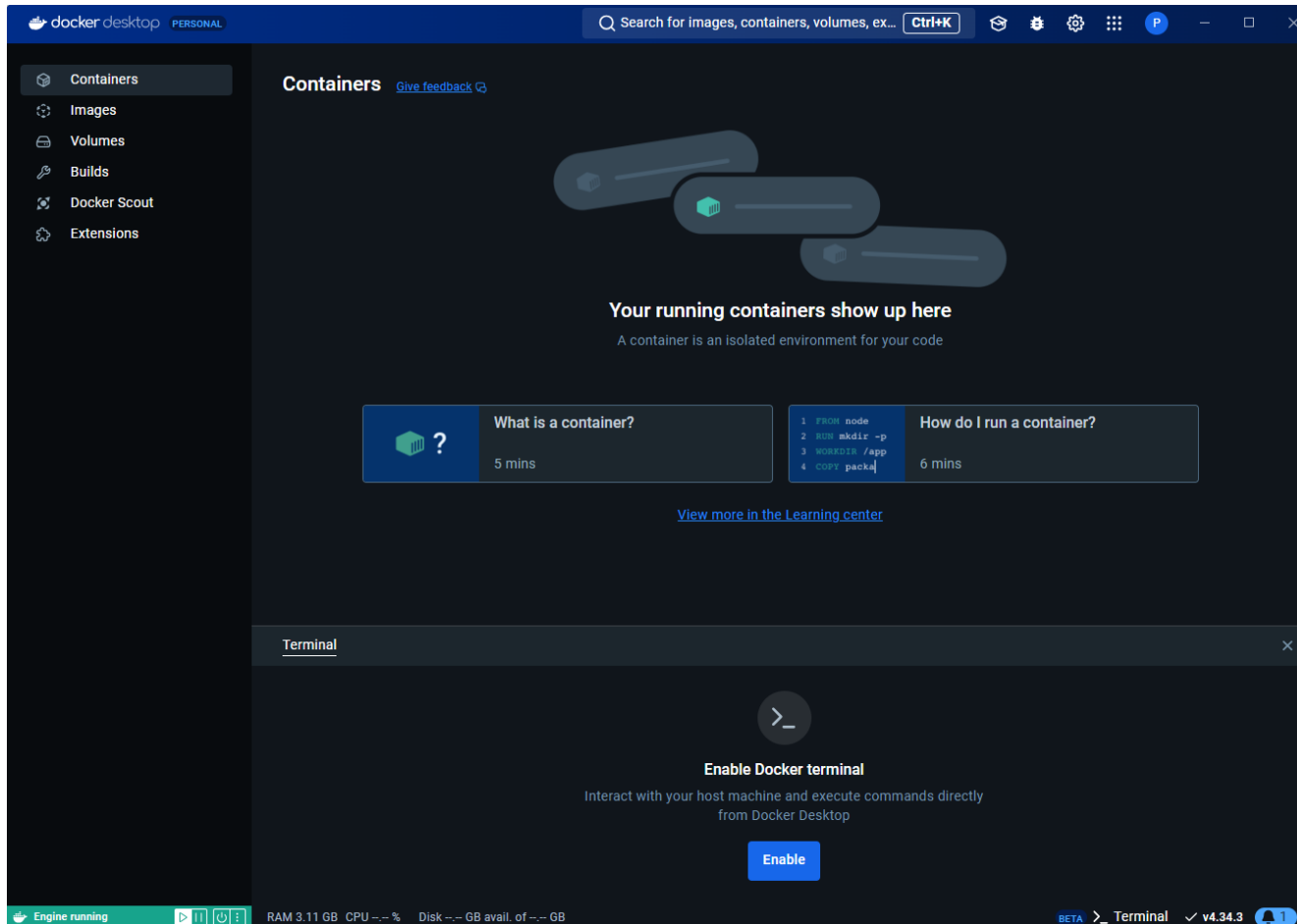
Instalação local (c/wsl 2)

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Instalação ASReview

- docker run -it asreview/asreview:latest
- `docker run`: Tells Docker to run a container
- `-it`: This allocates a pseudo-TTY connected to the container's stdin, keeping it open interactively
- `asreview/asreview:latest`: Specifies the Docker image to use. This pulls the latest version of the ASReview image from Docker Hub.

Instalação ASReview

	Name	Image	Status	Port(s)	CPU (%)	Last started	Actions
☐	affectionate_franklin 9c6e589859b6 ⚠ ARM64	asreview/asreview:latest	Running		0%	33 seconds ago	⬛ ⋮ 🗑
☑ ›	penpot		Exited		0%	3 days ago	▷ ⋮ 🗑

Instalação ASReview

```
a719597fe1ca: Download complete
Digest: sha256:85b2fe3ab3f121670d61bf8b6f977c912d4f8c45c975788ef021a5799426d806
Status: Downloaded newer image for asreview/asreview:latest
WARNING: The requested image's platform (linux/arm64/v8) does not match the detected host platform (linux/amd64/v3) and no specific platform was requested
Start browser at http://0.0.0.0:5000/


If your browser doesn't open. Please navigate to 'http://0.0.0.0:5000/'
```

- http://localhost:5000/

References

- Docker. (2022). Docker: Accelerated Container Application Development [Software]. https://www.docker.com/

- Kane, S. P., & Matthias, K. (2023). Docker: Up & Running: Shipping Reliable Containers in Production (3rd edition) O'Reilly Media.

- Miell, I., & Sayers, A. (2019). Docker in Practice, Second Edition. Simon and Schuster.