

Activité : Installation de Docker sur un OS Windows pour une classe de classe

Installer WSL2, le sous-système Windows pour Linux

- lancez PowerShell en tant qu'administrateur et exécutez :

```
PS > dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all
Outil Gestion et maintenance des images de déploiement
Version : 10.0.19041.844
Version de l'image : 10.0.19045.2311
Activation de la ou des fonctionnalités
[=====100.0%=====]
L'opération a réussi.
Redémarrez Windows pour terminer cette opération.
Voulez-vous redémarrer l'ordinateur maintenant ? (Y/N)
```

- Redémarrer l'ordinateur

Vérifier l'installation de WSL 2

- lancez PowerShell en tant qu'administrateur et exécutez :

```
PS > wsl --status
Version par défaut : 2
```

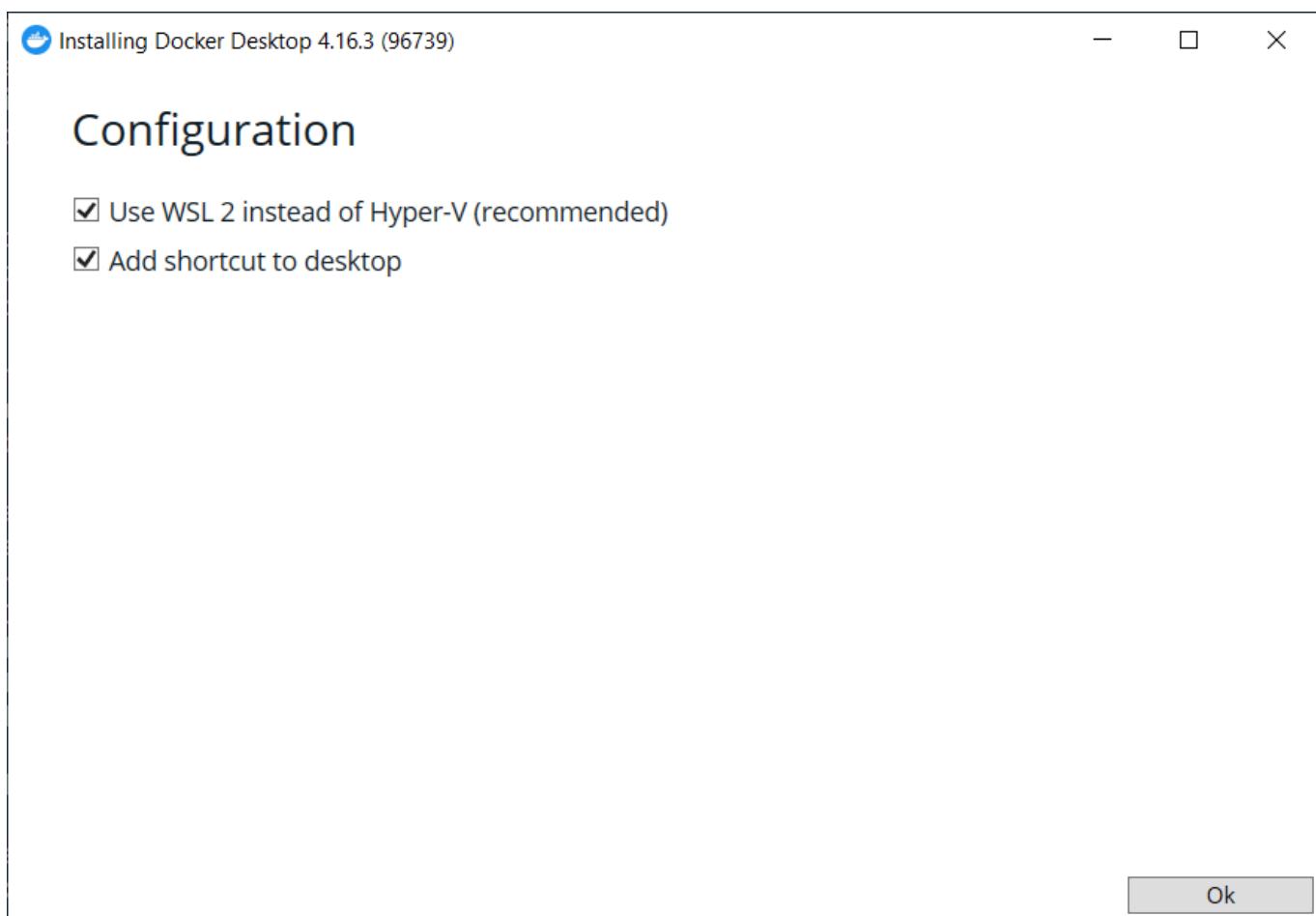
La distribution Debian installée utilise WSL version 2

Installer Docker

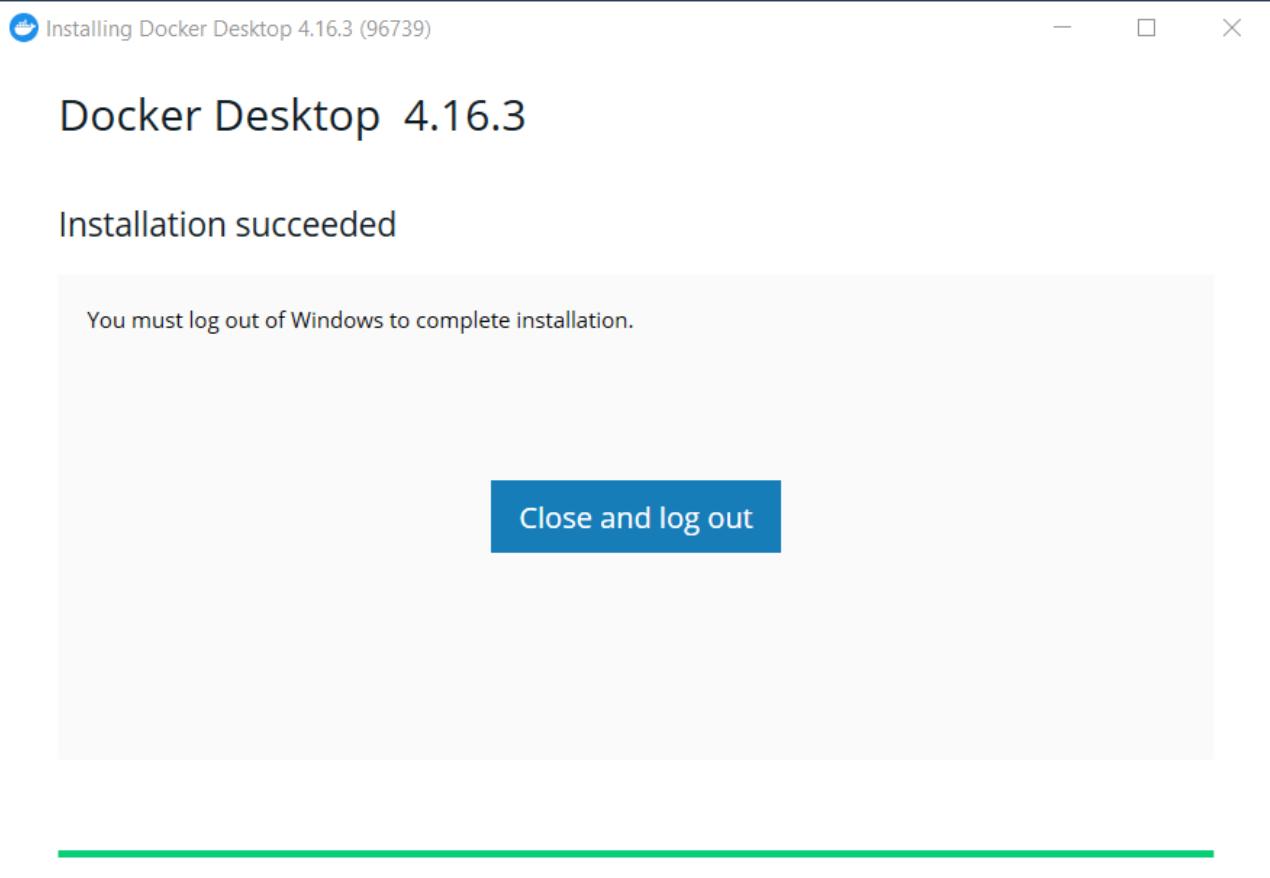
- Téléchargez le programme d'installation Docker Desktop depuis le site officiel <https://www.docker.com/>.
- Lancez l'installation et choisissez d'utiliser WSL 2 au lieu de Hyper-V

Last update:

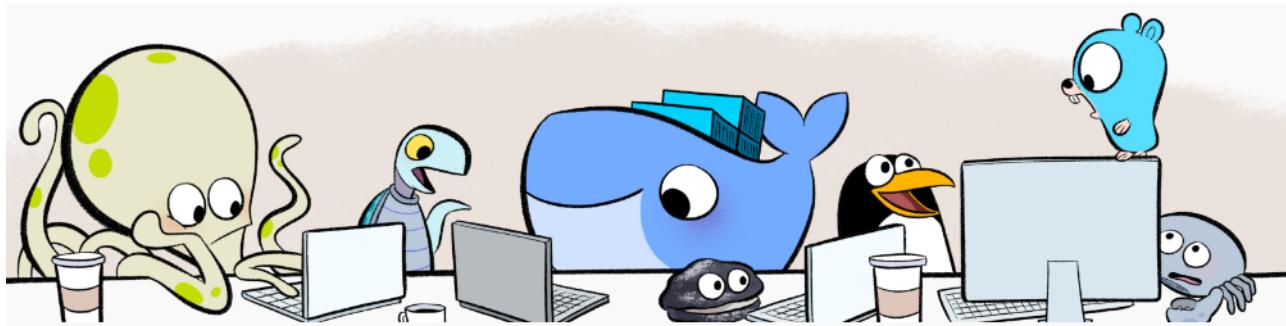
2024/01/30 reseau:docker:installationdockerwindowsclasse /doku.php/reseau/docker/installationdockerwindowsclasse?rev=1706624345
15:19



- puis **fermez et réouvrez** votre session :



- après ouverture de la session, acceptez la licence d'utilisation de Docker



Docker Subscription Service Agreement

By selecting **accept**, you agree to the [Subscription Service Agreement](#), the [Docker Data Processing Agreement](#), and the [Data Privacy Policy](#).

Note: Docker Desktop is 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. Otherwise, it requires a paid subscription for professional use. Paid subscriptions are also required for government entities. [Read the FAQ to learn more.](#)

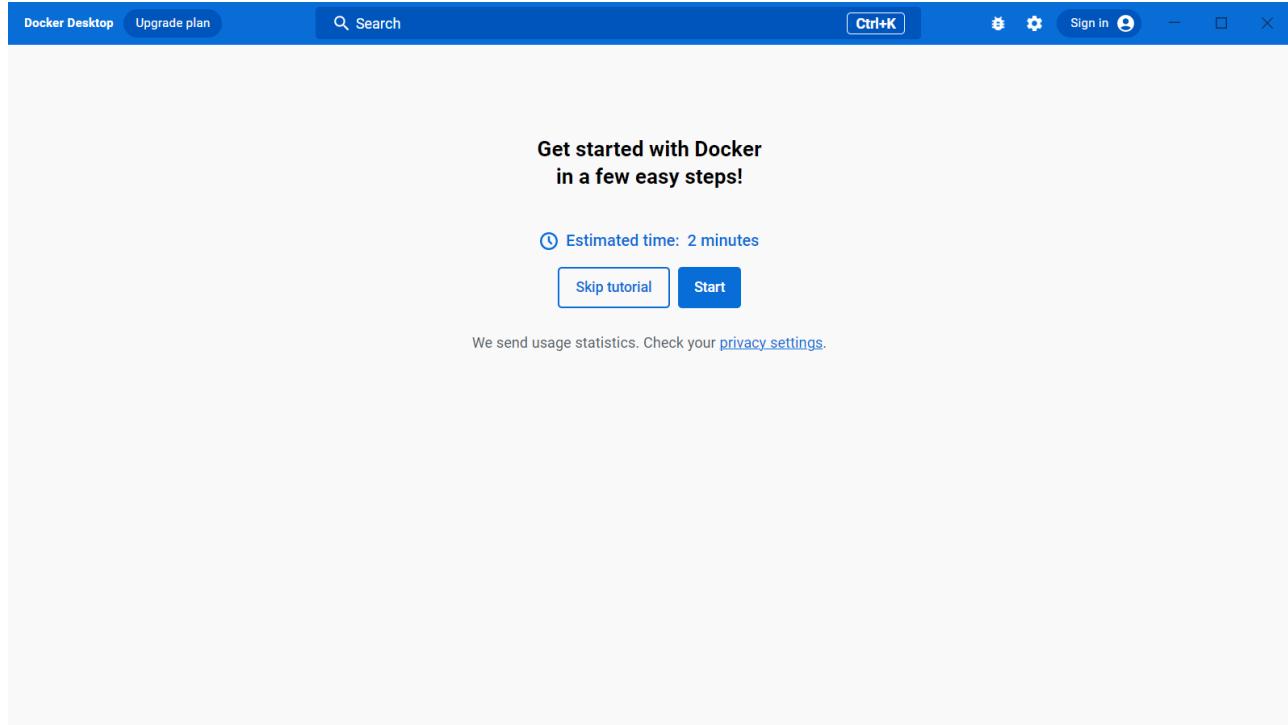
[View Full Terms](#) 

[Accept](#)

[Close](#)

- modifiez la configuration de Docker pour le lancer au démarrage de la session :

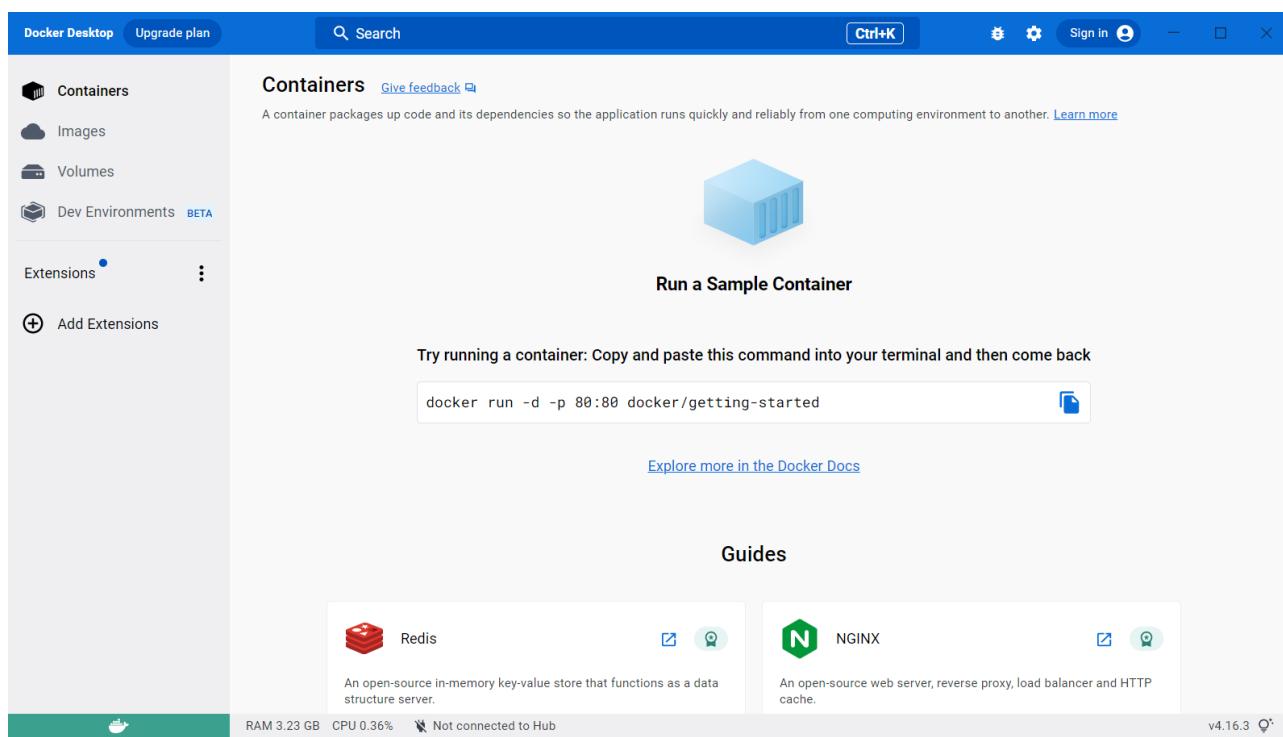
- ajouter le groupe **Utilisateurs du domaine** dans le groupe **dockerusers**
* [Activer Docker au démarrage de Windows dans le gestionnaire des tâches](#)
* [Un tutoriel](#) vous est proposé pour découvrir Docker. Pour l'instant passez le tutoriel :



* Vous visualisez alors le **tableau de bord** de Docker :

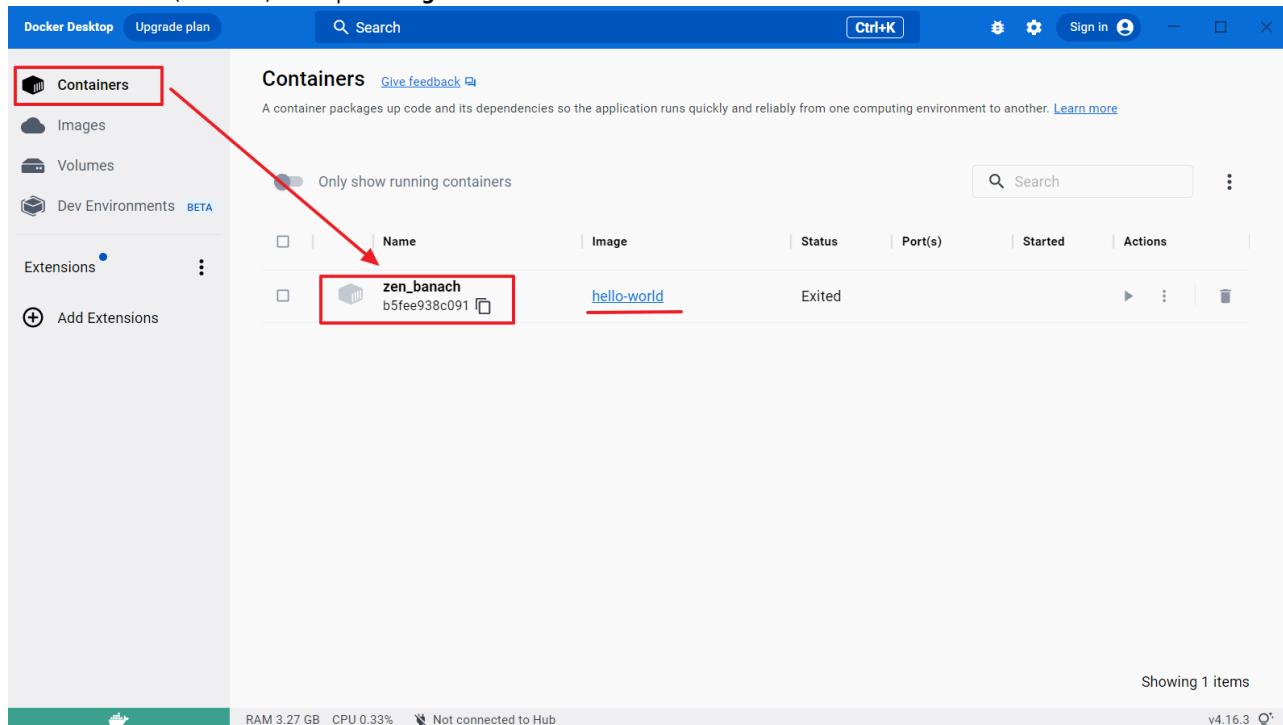
Last update:

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15:19



The screenshot shows the Docker Desktop application window. The left sidebar has 'Containers' selected. The main area is titled 'Containers' with a sub-instruction: 'A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)'. It features a 'Run a Sample Container' button with a blue cube icon and a 'Try running a container: Copy and paste this command into your terminal and then come back' section containing the command `docker run -d -p 80:80 docker/getting-started`. Below this is a 'Explore more in the Docker Docs' link. The bottom section is titled 'Guides' with cards for 'Redis' and 'NGINX'.

* vérifiez la bonne installation de Docker avec le lancement d'un conteneur basé sur l'image **Hello-World** <code powershell> PS > docker run hello-world Unable to find image 'hello-world:latest' locally latest: Pulling from library/hello-world 2db29710123e: Pull complete Digest: sha256:6e8b6f026e0b9c419ea0fd02d3905dd0952ad1feea67543f525c73a0a790feb Status: Downloaded newer image for hello-world:latest Hello from Docker! This message shows that your installation appears to be working correctly. To generate this message, Docker took the following steps: 1. The Docker client contacted the Docker daemon. 2. The Docker daemon pulled the "hello-world" image from the Docker Hub. (amd64) 3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading. 4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal. To try something more ambitious, you can run an Ubuntu container with: \$ docker run -it ubuntu bash Share images, automate workflows, and more with a free Docker ID: <https://hub.docker.com/> For more examples and ideas, visit: <https://docs.docker.com/get-started/> * dans le **tableau de bord** de Docker Desktop vous pouvez visualiser le **conteneur** créé (et arrêté) ainsi que l'**image** utilisée :



The screenshot shows the Docker Desktop application window. The left sidebar has 'Containers' selected. The main area is titled 'Containers' with a sub-instruction: 'A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)'. It features a 'Only show running containers' toggle and a search bar. The table lists containers with columns: Name, Image, Status, Port(s), Started, and Actions. A red box highlights the 'Containers' button in the sidebar, and a red arrow points to the 'zen_banach' container in the list, which is also highlighted with a red box. The bottom status bar shows RAM 3.27 GB, CPU 0.33%, and 'Not connected to Hub'.

* Pour visualiser la version de Docker, utilisez la commande suivante : <code powershell> PS > docker -v Docker version 19.03.13, build 4484c46d9d </code>

Pour **lancer Docker Desktop**, cliquez-droit sur l'icône Docker qui se situe dans le **Système** (l'icône en bas à droite de l'écran).

===== Retour Accueil Docker ===== * [Docker](#)

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