

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

## 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 la bonne installation de WSL 2

- lancez PowerShell en tant qu'administrateur et exécutez :

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

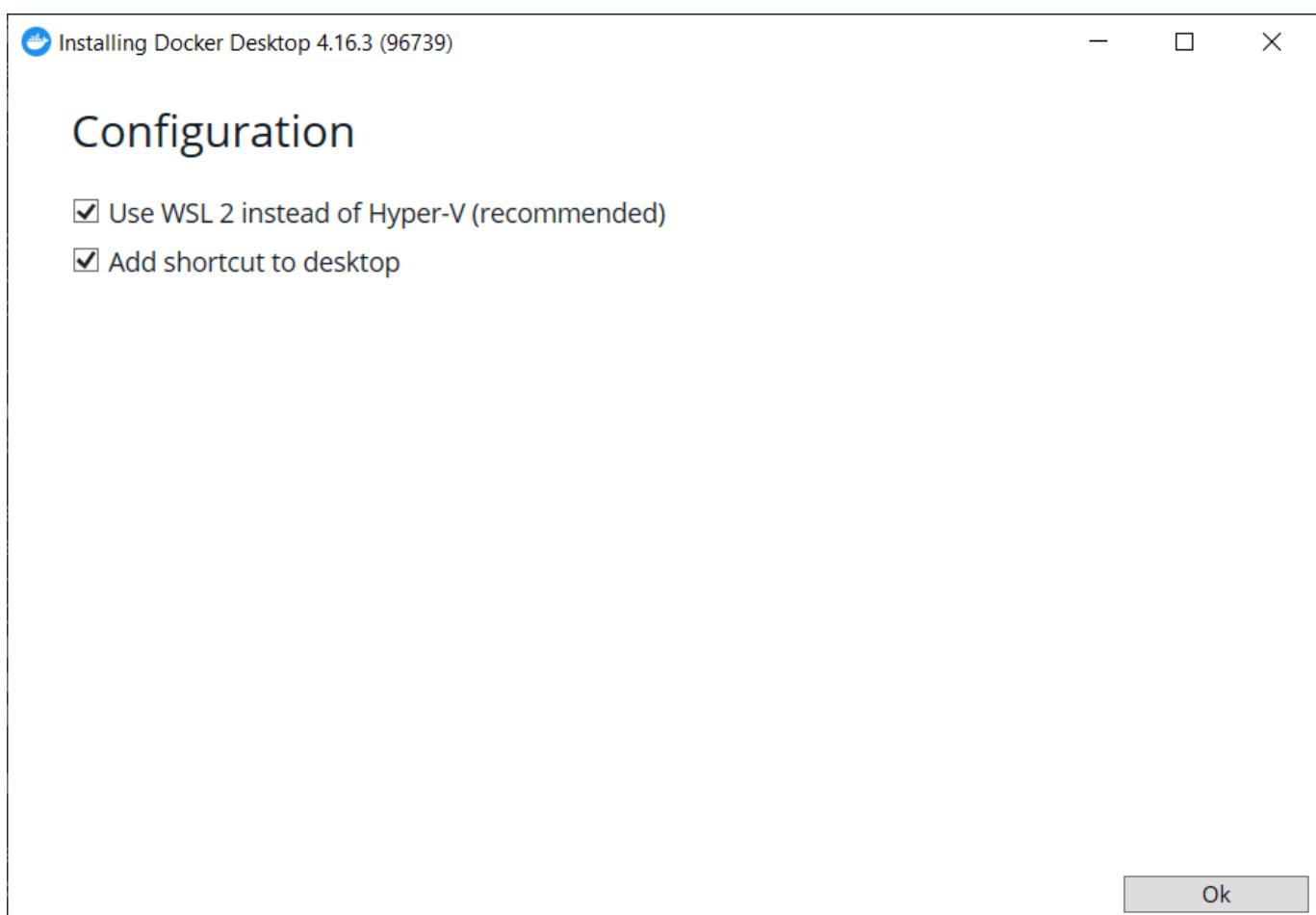
La distribution Debian installée utilise WSL version 2

## Installer Docker

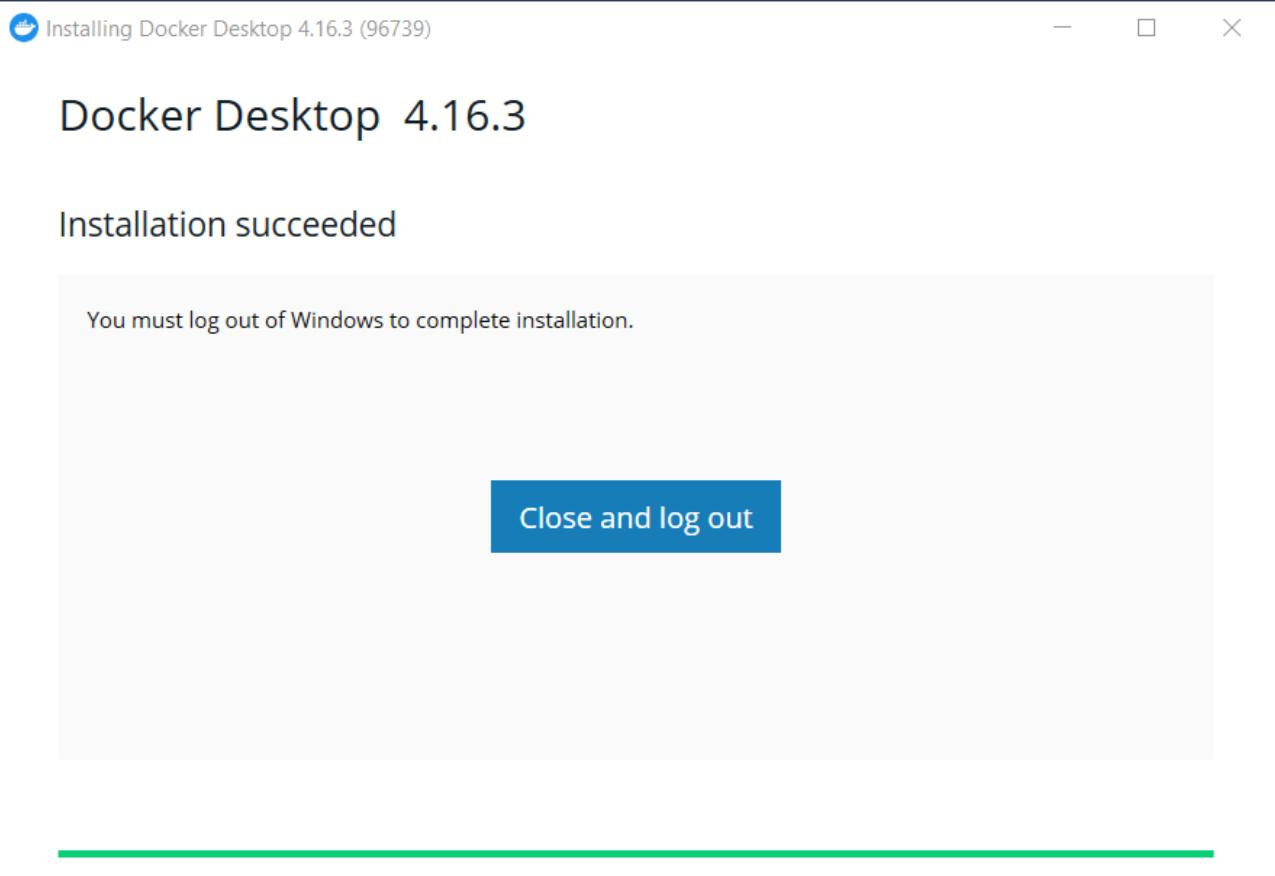
- Téléchargez le programme d'installation Docker Desktop depuis le site officiel <https://www.docker.com/>.
- Lancez l'installation et choisissez d'utiliser WSL 2 au lieu de Hyper-V

Last update:

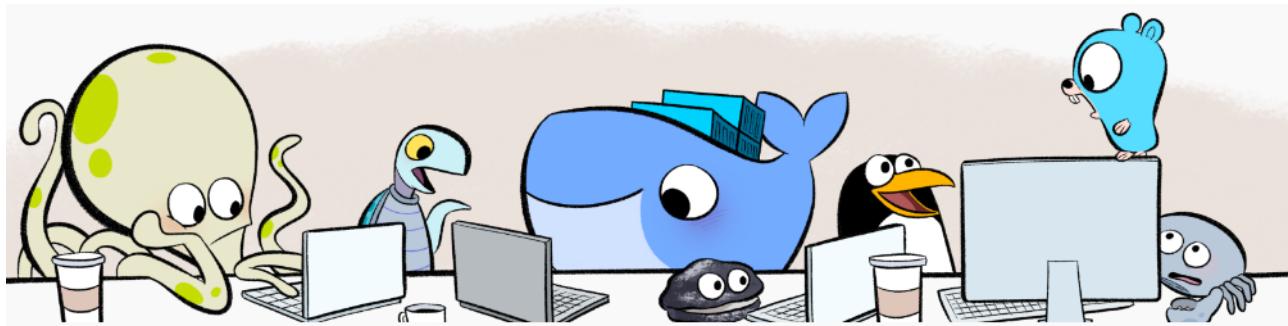
2024/01/11 reseau:docker:installationdockervindowsclasse /doku.php/reseau/docker/installationdockervindowsclasse?rev=1704983222  
15:27



- 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](#).

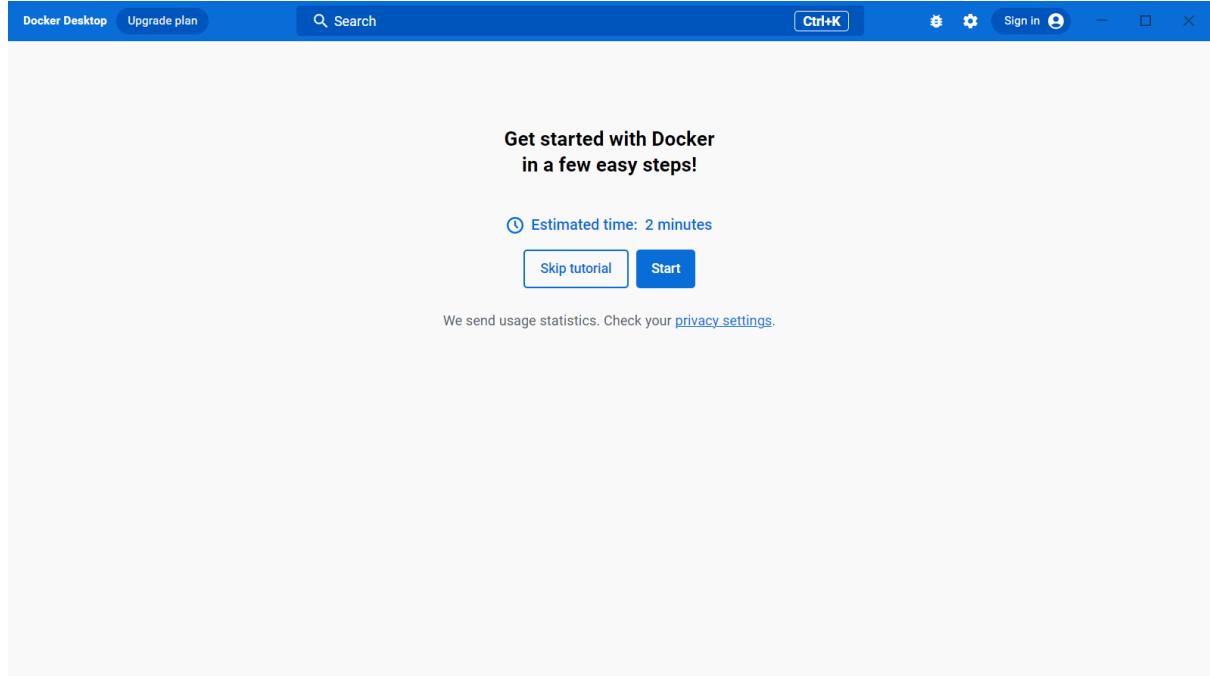
**Note:** Docker Desktop is free for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects. Otherwise, it requires a paid subscription for professional use. Paid subscriptions are also required for government entities. [Read the FAQ to learn more.](#)

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- modifiez la configuration de Docker pour le lancer au démarrage de la session :
- Un **tutoriel** vous est proposé pour découvrir Docker. Pour l'instant passez le tutoriel :



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

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The screenshot shows the Docker Desktop application window. On the left, a 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 blue 3D cube icon and a button 'Run a Sample Container'. Below this is a command input field containing 'docker run -d -p 80:80 docker/getting-started' with a copy icon. A link 'Explore more in the Docker Docs' is present. At the bottom of the sidebar, there's an 'Extensions' section with a 'Add Extensions' button.

- vérifiez la bonne installation de Docker avec le lancement d'un conteneur basé sur l'image **Hello-World**

```
PS > docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:6e8b6f026e0b9c419ea0fd02d3905dd0952ad1fea67543f525c73a0a790fefb
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 interface. On the left, a sidebar has 'Containers' selected. The main area is titled 'Containers' with a 'Give feedback' link. It includes a note about container packaging and a search bar. A red arrow points from the 'Containers' sidebar item to the 'zen\_banach' container entry in the list. The table columns are Name, Image, Status, Port(s), Started, and Actions. The 'zen\_banach' container is listed with the 'hello-world' image, status 'Exited', and a red arrow pointing to its 'Name' column. At the bottom, it says 'Showing 1 items'. The status bar at the bottom shows RAM 3.27 GB, CPU 0.33%, Not connected to Hub, and v4.16.3.

- 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 **Systray** (l'icône en bas à droite de l'écran).

## Retour Accueil Docker

- Docker

From:  
[/- Les cours du BTS SIO](#)

Permanent link:  
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