

# Projet 1: Stack applicative WordPress et MariaDB

## *Justification des choix faits pour le projet :*

**Base de l'image wordpress :** Comme c'est la dernière version c'est forcément un environnement prêt à l'emploi et mis à jour

**Base de l'image MariaDB :** choisie pour les mêmes raisons que wordpress, la version officielle est bien maintenue et mise à jour

## **Variables d'environnement :**

Il est vrai que j'ai mis un mot de passe vraiment pas safe, mais je sais que dans un environnement de production, il est plus judicieux et sécurisé de mettre en place un mot de passe fort

Quant aux noms de la BD mon nom d'utilisateur et mot de passe, les valeurs choisies sont cohérentes avec la configuration mise en place pour wordpress (fichier wp-config)

**Configuration réseau virtuel :** vous avez demandé à créer deux réseaux qui isolent le front end et le backend, ce dernier est partagé entre la base de données et le frontend

```
toto@DESKTOP-KSHARRN:~$ docker build -t melitoto/wordpress_optimized:latest .
[+] Building 3.3s (7/7) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 538B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/wordpress:latest
=> [auth] library/wordpress:pull token for registry-1.docker.io
=> [1/2] FROM docker.io/library/wordpress:latest@sha256:3a2a8b925c86967a43027ec3ba146e1859de1fa0f0f535dd9b40f4d39f
=> CACHED [2/2] RUN apt-get update && apt-get install -y vim curl && rm -rf /var/lib/apt/lists/*
=> exporting to image
=> => exporting layers
=> => writing image sha256:959d7b26246fcf99d78efca1732cc016215e84f77439934c478ca0a4f9542c70
=> => naming to docker.io/melitoto/wordpress_optimized:latest
```

```
toto@DESKTOP-KSHARRN:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED
melitoto/wordpress_optimized	latest	959d7b26246f	8 minutes ago
example-voting-app-main-worker	latest	5e042e494e56	2 hours ago
example-voting-app-main-vote	latest	bd4cd84fe712	2 hours ago
melitoto/result-app	latest	351b9be32717	2 hours ago
example-voting-app-main-result	latest	6d27c920da78	2 hours ago
postgres	15-alpine	420757eb8494	2 days ago
redis	alpine	d2d4688fcebe	6 days ago
postgres	11.6-alpine	89ae06c2ad76	3 years ago

```
toto@DESKTOP-KSHARRN:~$ docker push melitoto/wordpress_optimized:latest
The push refers to repository [docker.io/melitoto/wordpress_optimized]
97fdd3b221e9: Pushing [=====] 35
7c6bc37f9d6b: Mounted from library/wordpress
6390facda157: Mounted from library/wordpress
f8db865ecda9: Mounted from library/wordpress
7015c6bc1a61: Mounted from library/wordpress
18f6a2a069ed: Mounted from library/wordpress
f2b1327ac115: Mounted from library/wordpress
ae5f626a04ff: Mounted from library/wordpress
f251b476f76c: Mounted from library/wordpress
39b04e35566d: Mounted from library/wordpress
latest: digest: sha256:6a05362fa2fbe2b31fee1079423c0c13bd81ac46a1e3c1e7b5ac9523
toto@DESKTOP-KSHARRN:~$
d7ff65317e4e: Mounted from library/wordpress
c748a7d1b3bf: Mounted from library/wordpress
3cb98ef87e89: Mounted from library/wordpress
b897cf086a42: Mounted from library/wordpress
b69431a68981: Mounted from library/wordpress
9f80ba795da1: Mounted from library/wordpress
dad97eb7c8a8: Mounted from library/wordpress
9656c5045c54: Mounted from library/wordpress
055fd147512f: Mounted from library/wordpress
```

```
toto@DESKTOP-KSHARRN:~$ docker push melitoto/wordpress_optimized:latest
The push refers to repository [docker.io/melitoto/wordpress_optimized]
97fdd3b221e9: Layer already exists
7c6bc37f9d6b: Layer already exists
6390facda157: Layer already exists
f8db865ecda9: Layer already exists
7015c6bc1a61: Layer already exists
18f6a2a069ed: Layer already exists
f2b1327ac115: Layer already exists
ae5f626a04ff: Layer already exists
f251b476f76c: Layer already exists
39b04e35566d: Layer already exists
51addb9a67b2: Layer already exists
50fafd360931: Layer already exists
d7ff65317e4e: Layer already exists
c748a7d1b3bf: Layer already exists
3cb98ef87e89: Layer already exists
b897cf086a42: Layer already exists
b69431a68981: Layer already exists
9f80ba795da1: Layer already exists
dad97eb7c8a8: Layer already exists
9656c5045c54: Layer already exists
055fd147512f: Layer already exists
92770f546e06: Layer already exists
latest: digest: sha256:6a05362fa2f2be2b31fee1079423c0c13bd81ac46a1e3c1e7b5ac95234dcd1
```

```
toto@DESKTOP-KSHARRN:~$ docker-compose up -d
[+] Running 9/9
  mariadb 8 layers [#####] 0B/0B Pulled
    cbe3537751ce Pull complete
    5bfcd11f8751 Pull complete
    ed018e89b8db Pull complete
    3e4cf40a46f9 Pull complete
    938b1b815dca Pull complete
    07e09e75520d Pull complete
    82012f0ef36f Pull complete
    6430910462f4 Pull complete
[+] Building 0.0s (0/0)
[+] Running 3/3
  Network toto_backend_network Created
  Volume "toto_mariadb_data" Created
  Container toto-mariadb-1 Started
```

\*\*\*Comme MariaDB est déjà disponible dans DockerHub il n'est donc pas nécessaire de créer un dockerfile personnalisé. Le fichier *docker-compose.yml* se charge de pull l'image de MariaDB

```
toto@DESKTOP-KSHARRN:~$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
melitoto/wordpress_optimized	latest	959d7b26246f	50 minutes ago	78 MB
melitoto/wordpress_optimized	v1.0	959d7b26246f	50 minutes ago	78 MB
example-voting-app-main-worker	latest	5e042e494e56	2 hours ago	19 MB
example-voting-app-main-vote	latest	bd4cd84fe712	3 hours ago	11 MB
example-voting-app-main-result	latest	6d27c920da78	3 hours ago	92 MB
melitoto/result-app	latest	351b9be32717	3 hours ago	92 MB
postgres	15-alpine	420757eb8494	2 days ago	24 MB
redis	alpine	d2d4688fcebe	6 days ago	41 MB
mariadb	latest	f8c340abd40f	12 days ago	40 MB
postgres	11.6-alpine	89ae06c2ad76	3 years ago	15 MB

Ici on peut afficher l'état de la DB :








```
toto@DESKTOP-KSHARRN:~$ docker-compose ps
```

NAME	IMAGE	COMMAND	SERVICE	CREATED	STATUS	PORTS
toto-mariadb-1	mariadb:latest	"docker-entrypoint.s..."	mariadb	9 minutes ago	Up 9 minutes	0

Ici on a les deux containers qui tournent

```
toto@DESKTOP-KSHARRN:~$ docker-compose ps
```

NAME	IMAGE	COMMAND	SERVICE	CREATED	STATUS	PORTS
toto-mariadb-1	mariadb:latest	"docker-entrypoint.s..."	mariadb	44 minutes ago	Up 44 minutes	
toto-wordpress-1	melitoto/wordpress_optimized:latest	"docker-entrypoint.s..."	wordpress	8 minutes ago	Up 8 minutes	

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last
<input type="checkbox"/>	 toto		Running (2/2)	0.03%		48 s
<input type="checkbox"/>	 <a href="#">mariadb-1</a>	<a href="#">4daef6a1905b</a>  <a href="#">mariadb:latest</a>	Running	0.03%	<a href="#">3306:3306</a> 	49 s
<input type="checkbox"/>	 <a href="#">wordpress-1</a>	<a href="#">072819c841fb</a>  <a href="#">melitoto/wordpress_optimized:latest</a>	Running	0%	<a href="#">80:80</a> 	48 s

Au moment de tester la connexion de la base de données (accès au localhost :80) j'ai obtenu une erreur disant que **Error establishing a database connection**

On a donc modifié le fichier docker-compose.yml , il manquait certaines clauses nécessaires au bon lancement de l'appli

Les clauses qui manquaient : *depends\_on* et *env\_file*

La clause *depends\_on* est là pour dire que la base de données est prête à recevoir la connexion lorsque WordPress démarre

Quant à *env-file* : J'ai tout simplement oublié de déclarer les variables d'environnement..#Melissa

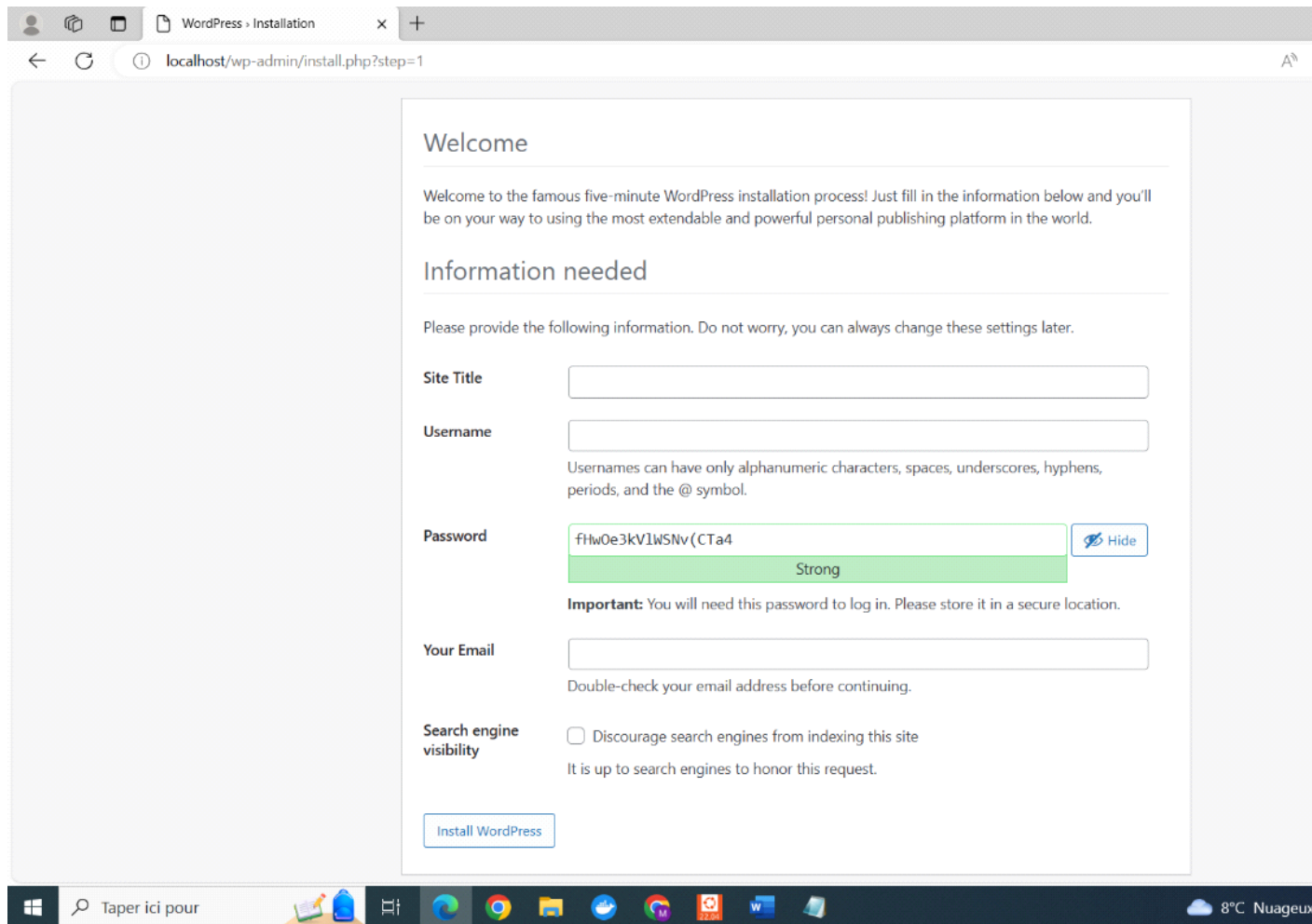
Il a aussi fallu créer un fichier *wp-config.php* qui configure le backend : la configuration de wordpress pour la connexion à MariaDB

J'ai donc arrêté tous les containers et refais un compose up comme indiqué ci-dessous

```
toto@DESKTOP-KSHARRN:~$ nano .env
toto@DESKTOP-KSHARRN:~$ docker-compose down
[+] Running 4/4
  Container toto-wordpress-1      Removed
  Container toto-mariadb-1       Removed
  Network toto_frontend_network   Removed
  Network toto_backend_network    Removed
toto@DESKTOP-KSHARRN:~$ docker-compose up -d
[+] Building 0.0s (0/0)
[+] Running 4/4
  Network toto_backend_network    Created
  Network toto_frontend_network   Created
  Container toto-mariadb-1       Started
  Container toto-wordpress-1     Started
```

En allant sur [WordPress \[HYPERLINK "http://localhost/wp-admin/install.php">HYPERLINK "http://localhost/wp-admin/install.php" Installation\]\(http://localhost/wp-admin/install.php\)](http://localhost/wp-admin/install.php)

Après avoir configuré la langue on obtient ceci :



## **Projet 2 : Cluster Elasticsearch avec Kibana**

Pour mettre en place un cluster Elasticsearch composé de trois nœuds et un conteneur Kibana qui a accès au cluster, voici les étapes détaillées en fonction des instructions fournies :

- Création du répertoire Melissa\_Alain

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa\_Alain

Microsoft Windows [version 10.0.19045.3803]

(c) Microsoft Corporation. Tous droits réservés.

C:\Windows\system32>wsl

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32\$ mkdir Melissa\_Alain

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32\$ ls -l

ls-l: command not found

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32\$ ls -la

total 2045800

drwxrwxrwx	1	afosso	afosso	4096	Dec 14 14:16	..
drwxrwxrwx	1	afosso	afosso	4096	Dec 13 00:42	...
drwxrwxrwx	1	afosso	afosso	4096	Dec 7 2019	@480
-r--xr--xr--x	2	afosso	afosso	12304	Nov 6 19:46	07409496-a423-4a3e-b620-2cfb01a9318d_HyperV-ComputeNetwork.dll
-r--xr--xr--x	2	afosso	afosso	12088	Dec 7 2019	69fe178f-26e7-43a9-aa7d-2b616b672dde_eventlogservice.dll
-r--xr--xr--x	2	afosso	afosso	13280	Dec 12 21:07	6bea57fb-8dfb-4177-9ae8-42e8b3529933_RuntimeDeviceInstall.dll
-r--xr--xr--x	3	afosso	afosso	3176	Dec 7 2019	@AdvancedKeySettingsNotification.png
-r--xr--xr--x	3	afosso	afosso	232	Dec 7 2019	@AppHelpToast.png
-r--xr--xr--x	3	afosso	afosso	308	Dec 7 2019	@AudioToastIcon.png
-r--xr--xr--x	3	afosso	afosso	450	Dec 7 2019	@BackgroundAccessToastIcon.png
-r--xr--xr--x	3	afosso	afosso	330	Dec 7 2019	@EnrollmentToastIcon.png
-r--xr--xr--x	3	afosso	afosso	354	Dec 7 2019	@StorageSenseToastIcon.png
-r--xr--xr--x	3	afosso	afosso	404	Dec 7 2019	@VpnToastIcon.png
-r--xr--xr--x	4	afosso	afosso	402	Dec 7 2019	@WLOGO_48x48.png
-r--xr--xr--x	3	afosso	afosso	714	Dec 7 2019	@WindowsHelloFaceToastIcon.png
-r--xr--xr--x	4	afosso	afosso	518	Dec 7 2019	@WindowsUpdateToastIcon.contrast-black.png
-r--xr--xr--x	4	afosso	afosso	810	Dec 7 2019	@WindowsUpdateToastIcon.contrast-white.png
-r--xr--xr--x	4	afosso	afosso	518	Dec 7 2019	@WindowsUpdateToastIcon.png
-r--xr--xr--x	3	afosso	afosso	691	Dec 7 2019	@WirelessDisplayToast.png
-r--xr--xr--x	3	afosso	afosso	199	Dec 7 2019	@bitlockertoastimage.png
-r--xr--xr--x	3	afosso	afosso	14791	Dec 7 2019	@edpttoastimage.png
-r--xr--xr--x	3	afosso	afosso	563	Dec 7 2019	@language_notification_icon.png
-r--xr--xr--x	2	afosso	afosso	483	Dec 7 2019	@optionalfeatures.png
-r--xr--xr--x	3	afosso	afosso	195443	Dec 7 2019	@windows-hello-V4.1.gif
-r--xr--xr--x	2	afosso	afosso	212992	Nov 19 11:19	ACPBackgroundManagerPolicy.dll
-r--xr--xr--x	2	afosso	afosso	26112	Dec 7 2019	AJRouter.dll
-r--xr--xr--x	2	afosso	afosso	72192	Nov 19 11:21	APHostClient.dll
-r--xr--xr--x	2	afosso	afosso	16384	Dec 6 2019	APHostRes.dll
-r--xr--xr--x	2	afosso	afosso	351232	Nov 19 11:21	APHostService.dll
-r--xr--xr--x	2	afosso	afosso	1645568	Nov 19 11:20	APMon.dll
-r--xr--xr--x	2	afosso	afosso	57344	Nov 19 11:20	APMonUI.dll
-r--xr--xr--x	3	afosso	afosso	26624	Dec 7 2019	ARP.EXE



- Création de la structure de fichiers et de répertoires selon le schéma donné:

```
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain
-r-xr-xr-x 3 afosso afosso 30720 Dec 7 2019 ztrace_maps.dll
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ cd Melissa_Alain
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ touch docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ touch .env
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:18 docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ mkdir es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ cd es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ touch elasticsearch.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ touch kibana.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ pwd
/mnt/c/Windows/system32/Melissa_Alain/es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ cd ..
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:18 docker-compose.yml
drwxrwxrwx 1 afosso afosso 4096 Dec 14 14:29 es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano .env
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:18 docker-compose.yml
drwxrwxrwx 1 afosso afosso 4096 Dec 14 14:29 es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ cd es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:28 elasticsearch.yml
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:29 kibana.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ nano elasticsearch.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ nano kibana.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain/es-cluster$ cd ..
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso 0 Dec 14 14:18 docker-compose.yml
drwxrwxrwx 1 afosso afosso 4096 Dec 14 15:13 es-cluster
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose up
[sudo] password for afosso:
sudo: docker-compose: command not found
```



- Après l'exécution de '*sudo docker-compose up*' j'ai eu une erreur, elle était liée au fait que je n'avais pas installé docker-compose au préalable. Je l'ai donc installé et en re-exécutant le '*sudo docker-compose up*' j'ai une autre erreur qui est apparue, il s'est avéré qu'elle était liée au fait que j'ai réalisé des erreurs de frappe dans le code du fichier *docker-compose.yml*:

```
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ ls -l
total 0
-rwxrwxrwx 1 afosso afosso  0 Dec 14 14:18 docker-compose.yml
drwxrwxrwx 1 afosso afosso 4096 Dec 14 15:13 es-elasticsearch
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose up
[sudo] password for afosso:
sudo: docker-compose: command not found
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker --version
Docker version 24.0.5, build 24.0.5-0ubuntu1~22.04.1
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose --version
sudo: docker-compose: command not found
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo curl -L "https://github.com/docker/compose/releases/download/v2.24.0-birthday.10/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload  Total   Spent    Left   Speed
  0     0     0     0     0     0      0      0  --:--:-- --:--:-- --:--:--     0
100 56.9M 100 56.9M    0     0 1307k    0  0:00:44 0:00:44 --:--:-- 1469k
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo chmod +x /usr/local/bin/docker-compose
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose --version
Docker Compose version v2.24.0-birthday.10
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose up
[+] Running 2/4
  ⬢ kibana Pulling                                     2.8s
  ⬢ es02 Error                                          2.8s
  ⬢ es03 Error                                          2.8s
  ⬢ es01 Pulling                                       2.8s
Error response from daemon: Head "http://ww17.docker.elastic.co/v2/elasticsearch/elasticsearch/manifests/8.11.3": read tcp 172.21.12.78:45818->199.191.50.190:80: read: connection reset by peer
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose logs
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose up
[+] Running 2/4
  ⬢ es03 Error                                          2.2s
  ⬢ kibana Pulling                                     2.2s
  ⬢ es01 Pulling                                       2.2s
  ⬢ es02 Error                                          2.2s
Error response from daemon: Head "http://ww17.docker.elastic.co/v2/elasticsearch/elasticsearch/manifests/8.11.3": read tcp 172.21.12.78:55948->199.191.50.190:80: read: connection reset by peer
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
```

- Une fois le fichier *docker-compose.yml* modifié, nous avons obtenu le résultat suivant :

```
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ nano docker-compose.yml
afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa_Alain$ sudo docker-compose up
[+] Running 26/26
  kibana 14 layers [00000000000000] 0B/0B Pulled 126.6s
    9e61d8b90935 Pull complete 5.9s
    c79649230f0c Pull complete 4.2s
    c1ddd865700 Pull complete 0.5s
    7421c1d58bb1 Pull complete 1.1s
    3364c5f4cdc3 Pull complete 8.2s
    89732bc75041 Pull complete 4.8s
    9bc68ceb353 Pull complete 5.4s
    06f54fe11897 Pull complete 56.2s
    4d5c9abb4c64 Pull complete 6.5s
    b1fd760494b3 Pull complete 7.1s
    9d6755d940c3 Pull complete 7.7s
    47e033b0e2d Pull complete 8.5s
    80ee0f9bc2d5 Pull complete 9.2s
    85dc36431e4 Pull complete 9.3s
  es02 8 layers [00000000000000] 0B/0B Pulled 141.1s
    b72403a59eb9 Pull complete 13.7s
    9fe4457bccf6 Pull complete 10.0s
    7d1b8a7d0cf6 Pull complete 113.2s
    5f0c732baa5d Pull complete 14.3s
    df9f9c79894f Pull complete 15.1s
    4cfe26a355c8 Pull complete 16.3s
    4d9c5e90237 Pull complete 17.2s
    bc9c1e3bbcf8 Pull complete 18.0s
  es01 Pulled 141.1s
  es03 Pulled 141.1s
[+] Running 8/8
  Network melissa_alain_es_network Created 0.1s
  Volume "melissa_alain_es03_data" Created 0.0s
  Volume "melissa_alain_es01_data" Created 0.0s
  Volume "melissa_alain_es02_data" Created 0.0s
  Container melissa_alain-es03-1 Created 2.3s
  Container melissa_alain-es01-1 Created 2.3s
  Container melissa_alain-es02-1 Created 2.3s
  Container melissa_alain-kibana-1 Created 0.2s
Attaching to es01-1, es02-1, es03-1, kibana-1
kibana-1 | Kibana is currently running with legacy OpenSSL providers enabled! For details and instructions on how to disable see https://www.elastic.co/guide/en/kibana/8.1
```

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa\_Alain

```
Attaching to es01-1, es02-1, es03-1, kibana-1
kibana-1 | Kibana is currently running with legacy OpenSSL providers enabled! For details and instructions on how to disable see https://www.elastic.co/guide/en/kibana/8.1
1/production.html#openssl-legacy-provider
kibana-1 | {"log.level":"info","@timestamp":"2023-12-14T15:42:38.251Z","log":{"logger":"elastic-apm-node"},"agentVersion":"4.1.0","env":{"pid":6,"proctitle":"/usr/share/ki
bana/bin/node","os":{"linux.5.15.133.1-microsoft-standard-WSL2"},"arch":"x64","host":"54f01024fa15","timezone":"UTC+00","runtime":{"Node.js.v18.18.2"},"config":{"s
erviceName":{"source":"start","value":"kibana","commonName":"service_name"},"serviceVersion":{"source":"start","value":"8.11.3","commonName":"service_version"},"serverUrl":
{"source":"start","value":"https://kibana-cloud-apm.apm.us-east-1.aws.found.io/","commonName":"server_url"},"logLevel":{"source":"default","value":"info","commonName":"log
level"},"active":{"source":"start","value":true},"contextPropagationOnly":{"source":"start","value":true},"environment":{"source":"start","value":"production"},"globalLabel
s":{"source":"start","value":["git_rev","cc11667953f4734af414e8d8977b8d9dda5698ef"]},"sourceValue":{"git_rev":"cc11667953f4734af414e8d8977b8d9dda5698ef"},"secretToken":{"
source":"start","value":["REDACTED"],"commonName":"secret_token"},"breakdownMetrics":{"source":"start","value":false},"captureSpanStackTraces":{"source":"start","sourceValu
e":false},"centralConfig":{"source":"start","value":false},"metricsInterval":{"source":"start","value":120,"sourceValue":"120s"},"propagateTracestate":{"source":"start","va
lue":true},"transactionSampleRate":{"source":"start","value":0.1,"commonName":"transaction_sample_rate"},"captureBody":{"source":"start","value":"off","commonName":"capture
_body"},"captureHeaders":{"source":"start","value":false},"activationMethod":"require","ecs":{"version":"1.6.0"},"message":"Elastic APM Node.js Agent V4.1.0"}
es01-1 | ERROR: Elasticsearch exited unexpectedly, with exit code 137
es01-1 | Dec 14, 2023 3:42:52 PM sun.util.locale.provider.LocaleProviderAdapter <clinit>
es03-1 | WARNING: COMPAT locale provider will be removed in a future release
es02-1 | Dec 14, 2023 3:42:52 PM sun.util.locale.provider.LocaleProviderAdapter <clinit>
es02-1 | WARNING: COMPAT locale provider will be removed in a future release
es01-1 exited with code 137
es02-1 | {"@timestamp":"2023-12-14T15:42:57.370Z","log.level":"INFO","message":"Java vector incubator API enabled; uses preferredBitness=256","ecs.version":"1.2.0",
"service.name":"ES_ECS","event.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.apache.lucene.internal.vectorization.PanamaVectorizationProvid
er","elasticsearch.node.name":"bb6af33e62dc","elasticsearch.cluster.name":"docker-cluster"}
es03-1 | {"@timestamp":"2023-12-14T15:42:57.370Z","log.level":"INFO","message":"Java vector incubator API enabled; uses preferredBitness=256","ecs.version":"1.2.0",
"service.name":"ES_ECS","event.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.apache.lucene.internal.vectorization.PanamaVectorizationProvid
er","elasticsearch.node.name":"62f7f5437f45","elasticsearch.cluster.name":"docker-cluster"}
kibana-1 | [2023-12-14T15:42:58.797+00:00][INFO][root] Kibana is starting
kibana-1 | [2023-12-14T15:43:00.024+00:00][INFO][root] Kibana is shutting down
kibana-1 | [2023-12-14T15:43:00.131+00:00][FATAL][root] Reason: [config validation of [server].host]: value must be a valid hostname (see RFC 1123).
kibana-1 | Error: [config validation of [server].host]: value must be a valid hostname (see RFC 1123).
kibana-1 | at Object.Type.validate (/usr/share/kibana/node_modules/@kbn/config-schema/src/types/type.js:94:13)
kibana-1 | at ConfigService.validateAtPath (/usr/share/kibana/node_modules/@kbn/config/src/config_service.js:252:19)
kibana-1 | at /usr/share/kibana/node_modules/@kbn/config/src/config_service.js:262:204
kibana-1 | at /usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/map.js:10:37
kibana-1 | at OperatorSubscriber._this.next (/usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/OperatorSubscriber.js:33:21)
kibana-1 | at OperatorSubscriber.Subscriber.next (/usr/share/kibana/node_modules/rxjs/dist/cjs/internal/Subscriber.js:51:18)
kibana-1 | at /usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/distinctUntilChanged.js:18:28
kibana-1 | at OperatorSubscriber._this.next (/usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/OperatorSubscriber.js:33:21)
kibana-1 | at OperatorSubscriber.Subscriber.next (/usr/share/kibana/node_modules/rxjs/dist/cjs/internal/Subscriber.js:51:18)
kibana-1 | at /usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/map.js:10:24
kibana-1 | at OperatorSubscriber._this.next (/usr/share/kibana/node_modules/rxjs/dist/cjs/internal/operators/OperatorSubscriber.js:33:21)
```

afosso@DESKTOP-S0AUUPA: /mnt/c/Windows/system32/Melissa\_Alain

```
es02-1 | {"@timestamp":"2023-12-14T15:43:00.214Z","log.level":"INFO","message":"JVM home [/usr/share/elasticsearch/jdk], using bundled JDK [true]","ecs.version":"1.
2.0","service.name":"ES_ECS","event.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.node.Node","elasticsearch.node.name":"bb6af
33e62dc","elasticsearch.cluster.name":"docker-cluster"}
es02-1 | {"@timestamp":"2023-12-14T15:43:00.215Z","log.level":"INFO","message":"JVM arguments [-Des.networkaddress.cache.ttl=60,-Des.networkaddress.cache.negative.ttl
=10,-Djava.security.manager=allow,-XX:+AlwaysPreTouch,-Xss1m,-Djava.awt.headless=true,-Dfile.encoding=UTF-8,-Djna.nosys=true,-XX:-OmitStackTraceInFastThrow,-Dio.net
ty.noUnsafe=true,-Dio.netty.noKeySetOptimization=true,-Dio.netty.recycler.maxCapacityPerThread=0,-Dlog4j.shutdownHookEnabled=false,-Dlog4j2.disable.jmx=true,-Dlog4j2.
formatMsgNoLookups=true,-Djava.locale.providers=SPI,COMPAT,-add-opens=java.base/java.io=org.elasticsearch.preallocate,-Des.cgroups.hierarchy.override=/,-XX:+UseG1GC,-
Djava.io.tmpdir=/tmp/elasticsearch-11572926407851393701,-add-modules=jdk.incubator.vector,-XX:+HeapDumpOnOutOfMemoryError,-XX:+ExitOnOutOfMemoryError,-XX:HeapDumpPath=
data,-XX:ErrorFile=logs/hs_err_pid%p.log,-Xlog:gc*,gc+age=trace,safepoint:file=logs/gc.log:utctime,level,pid,tags:filecount=32,filesize=64m,-Xms3942m,-Xmx3942m,-XX:Max
DirectMemorySize=2066743296,-XX:G1HeapRegionSize=4m,-XX:InitiatingHeapOccupancyPercent=30,-XX:G1ReservePercent=15,-Des.distribution.type=docker,-module-path=/usr/shar
e/elasticsearch/lib,-add-modules=jdk.net,-add-modules=ALL-MODULE-PATH,-Djdk.module.main=org.elasticsearch.server]","ecs.version":"1.2.0","service.name":"ES_ECS","eve
nt.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.node.Node","elasticsearch.node.name":"bb6af33e62dc","elasticsearch.cluster.n
ame":"docker-cluster"}
es03-1 | {"@timestamp":"2023-12-14T15:43:00.232Z","log.level":"INFO","message":"version[8.11.3], pid[70], build[docker/64cf052f3b56b1f44d9f545c8b8aca7e739d9a/2023-1
2-08T11:33:53.634979452Z], OS[linux/5.15.133.1-microsoft-standard-WSL2/amd64], JVM[Oracle Corporation/OpenJDK 64-Bit Server VM/21.0.1/21.0.1+12-29]","ecs.version":"1.2.0"
"service.name":"ES_ECS","event.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.node.Node","elasticsearch.node.name":"62f7f5437
f45","elasticsearch.cluster.name":"docker-cluster"}
es03-1 | {"@timestamp":"2023-12-14T15:43:00.236Z","log.level":"INFO","message":"JVM home [/usr/share/elasticsearch/jdk], using bundled JDK [true]","ecs.version":"1.
2.0","service.name":"ES_ECS","event.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.node.Node","elasticsearch.node.name":"62f7f
5437f45","elasticsearch.cluster.name":"docker-cluster"}
es03-1 | {"@timestamp":"2023-12-14T15:43:00.236Z","log.level":"INFO","message":"JVM arguments [-Des.networkaddress.cache.ttl=60,-Des.networkaddress.cache.negative.ttl
=10,-Djava.security.manager=allow,-XX:+AlwaysPreTouch,-Xss1m,-Djava.awt.headless=true,-Dfile.encoding=UTF-8,-Djna.nosys=true,-XX:-OmitStackTraceInFastThrow,-Dio.net
ty.noUnsafe=true,-Dio.netty.noKeySetOptimization=true,-Dio.netty.recycler.maxCapacityPerThread=0,-Dlog4j.shutdownHookEnabled=false,-Dlog4j2.disable.jmx=true,-Dlog4j2.
formatMsgNoLookups=true,-Djava.locale.providers=SPI,COMPAT,-add-opens=java.base/java.io=org.elasticsearch.preallocate,-Des.cgroups.hierarchy.override=/,-XX:+UseG1GC,-
Djava.io.tmpdir=/tmp/elasticsearch-7933510453779735781,-add-modules=jdk.incubator.vector,-XX:+HeapDumpOnOutOfMemoryError,-XX:+ExitOnOutOfMemoryError,-XX:HeapDumpPath=d
ata,-XX:ErrorFile=logs/hs_err_pid%p.log,-Xlog:gc*,gc+age=trace,safepoint:file=logs/gc.log:utctime,level,pid,tags:filecount=32,filesize=64m,-Xms3942m,-Xmx3942m,-XX:MaxD
irectMemorySize=2066743296,-XX:G1HeapRegionSize=4m,-XX:InitiatingHeapOccupancyPercent=30,-XX:G1ReservePercent=15,-Des.distribution.type=docker,-module-path=/usr/share
elasticsearch/lib,-add-modules=jdk.net,-add-modules=ALL-MODULE-PATH,-Djdk.module.main=org.elasticsearch.server]","ecs.version":"1.2.0","service.name":"ES_ECS","even
t.dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.node.Node","elasticsearch.node.name":"62f7f5437f45","elasticsearch.cluster.na
me":"docker-cluster"}
kibana-1 exited with code 1
es02-1 | {"@timestamp":"2023-12-14T15:43:13.401Z","log.level":"INFO","message":"loaded module [repository-url]","ecs.version":"1.2.0","service.name":"ES_ECS","event
dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.plugins.PluginsService","elasticsearch.node.name":"bb6af33e62dc","elasticsearch
.cluster.name":"docker-cluster"}
es02-1 | {"@timestamp":"2023-12-14T15:43:13.402Z","log.level":"INFO","message":"loaded module [rest-root]","ecs.version":"1.2.0","service.name":"ES_ECS","event.data
set":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.plugins.PluginsService","elasticsearch.node.name":"bb6af33e62dc","elasticsearch.clu
ster.name":"docker-cluster"}
es03-1 | {"@timestamp":"2023-12-14T15:43:13.403Z","log.level":"INFO","message":"loaded module [repository-url]","ecs.version":"1.2.0","service.name":"ES_ECS","event
dataset":"elasticsearch.server","process.thread.name":"main","log.logger":"org.elasticsearch.plugins.PluginsService","elasticsearch.node.name":"62f7f5437f45","elasticsearch
.cluster.name":"docker-cluster"}
es02-1 | {"@timestamp":"2023-12-14T15:43:13.403Z","log.level":"INFO","message":"loaded module [x-pack-core]","ecs.version":"1.2.0","service.name":"ES_ECS","event.da
```

