

Commande
docker ps

docker logs --tail 50 mysql-win

docker inspect mysql-win --format "{{.State.Health.Status}}"

docker exec -it mysql-win mysql -uroot -p (saisir le mot de passe)

docker port mysql-win
docker stats --no-stream mysql-win
docker top mysql-win
docker inspect -f "{{range.NetworkSettings.Networks}}{{.IPAddress}}{{end}}" mysql-win
docker stop mysql-win ; docker start mysql-win

docker exec -it mysql-win sh -c "mysql -uroot -p\$MYSQL_ROOT_PASSWORD -e 'SHOW DATABASES;'"

docker ps

docker logs --tail 30 redis-<os>

docker exec -it redis-<os> redis-cli ping
docker exec -it redis-<os> redis-cli set course docker
docker exec -it redis-<os> redis-cli get course
docker inspect -f '{{.HostConfig.PortBindings}}' redis-<os>
docker stats --no-stream redis-<os>
docker top redis-<os>
docker stop redis-<os> && docker start redis-<os>

```
docker exec -it redis-<os> redis-cli info server | head -n 10
```

Description

liste des conteneurs **en cours d'exécution**.

Affiche les **50 dernières lignes des logs** du conteneur nommé **mysql-win**.

Affiche l'état de santé du conteneur

Ouvre une **session MySQL interactive** dans le conteneur **mysql-win** avec l'utilisateur **root**.

Affiche les **ports exposés** du conteneur **mysql-win** et leurs **mappages** vers la machine hôte

Affiche l'**utilisation des ressources**

Montre les **processus en cours d'exécution** à l'intérieur du conteneur **mysql-win**.

UID	CMD	PID
999		463

Affiche l'**adresse IP interne** du conteneur **mysql-win**.

Arrête puis redémarre le conteneur **mysql-win**.

Exécute une commande MySQL dans le conteneur **mysql-win** pour afficher la liste des bases de données.

PARTIE 3

Affiche la liste des conteneurs **en cours d'exécution**.

Affiche les **30 dernières lignes des logs** du conteneur **redis-<os>**.

Envoie la commande **PING** à Redis dans le conteneur **redis-<os>** pour vérifier s'il répond (**PONG** si tout va bien).

Exécute la commande Redis **SET** dans le conteneur **redis-<os>** pour créer une clé **course** avec la valeur **docker**.

Exécute la commande Redis **GET** pour afficher la valeur de la clé **course** dans le conteneur **redis-<os>**.

Affiche les **ports mappés** entre l'hôte et le conteneur **redis-<os>**.

Affiche une seule fois l'utilisation des ressources (CPU, mémoire, réseau...) du conteneur **redis-<os>**.

Montre les **processus en cours d'exécution** dans le conteneur **redis-<os>**.

Arrete de redemarre le conteneur redis-win

Affiche les **10 premières lignes des infos serveur** Redis (version, mode, etc.) du conteneur **redis-<os>**.

Capture D'Ecran

Commentaire

```

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
4ebabd55039a mysql:8.4 "docker-entrypoint.s..." 7 minutes ago Up 7 minutes (healthy) 0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp
Warning: Unable to load '/usr/share/zoneinfo/leap-seconds.list' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970' as time zone. Skipping it.

2025-10-14 08:39:53+00:00 [Note] [Entrypoint]: Stopping temporary server
2025-10-14T08:39:53.017229Z 10 [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 8.4.6).
2025-10-14T08:39:54.006549Z 0 [System] [MY-010918] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 8.4.6) MySQL Community Server - GPL
2025-10-14T08:39:54.006610Z 0 [System] [MY-015016] [Server] MySQL Server - end.
2025-10-14 08:39:54:00+00:00 [Note] [Entrypoint]: Temporary server stopped

2025-10-14 08:39:54+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.

2025-10-14T08:39:54.056275Z 0 [System] [MY-015015] [Server] MySQL Server - start.
2025-10-14T08:39:54.374037Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.4.6) starting as process 1
2025-10-14T08:39:54.383453Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2025-10-14T08:39:55.296039Z 0 [System] [MY-013579] [InnoDB] InnoDB initialization has ended.
2025-10-14T08:39:55.655148Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-10-14T08:39:55.659279Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all 05 users. Consider choosing a different directory.
2025-10-14T08:39:55.660132Z 0 [System] [MY-013233] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqld.sock
2025-10-14T08:39:55.691984Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.4.6' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server - GPL

```

```

healthy
PS C:\WINDOWS\system32> docker exec -it mysql-win mysql -uroot -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 165
Server version: 8.4.6 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```

```

3306/tcp -> 0.0.0.0:3306
3306/tcp -> [:]:3306
CONTAINER ID NAME CPU % MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS
4ebabd55039a mysql-win 0.93% 464.1MiB / 15.33GiB 2.96% 1.7kB / 126B 147MB / 298MB 40

```

```

PPID C STIME TTY TIME
439 1 08:30 ? 00:00:27

```

172.17.0.2

mysql-win

```

mysql-win
Enter password:
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+

```

```

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
2be21f7c7bfe redis:7-alpine "docker-entrypoint.s..." 17 minutes ago Up 3 minutes 0.0.0.0:6379->6379/tcp, [::]:6379->6379/tcp redis-win
9fffb818f8de nginx:1.27-alpine "/docker-entrypoint.s..." 55 minutes ago Up 3 minutes 0.0.0.0:8080->80/tcp, [::]:8080->80/tcp nginx-win
4ebabd55039a mysql:8.4 "docker-entrypoint.s..." 5 hours ago Up 3 minutes (healthy) 0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp mysql-win
1:C 14 Oct 2025 13:29:34.882 * 0x000000000000 Redis is starting 0x000000000000
1:C 14 Oct 2025 13:29:34.882 * Redis version=7.4.6, bits=64, commit=00000000, modified=0, pid=1, just started
1:C 14 Oct 2025 13:29:34.882 # Warning: no config file specified, using the default config. In order to specify a config file use redis-server /path/to/redis.conf
1:M 14 Oct 2025 13:29:34.882 * monotonic clock: POSIX clock_gettime
1:M 14 Oct 2025 13:29:34.883 * Running modestandalone, port=6379.
1:M 14 Oct 2025 13:29:34.884 * Server initialized
1:M 14 Oct 2025 13:29:34.884 Ready to accept connections tcp
1:C 14 Oct 2025 13:43:20.908 0x000000000000 Redis is starting 0x000000000000
1:C 14 Oct 2025 13:43:20.908 Redis version=7.4.6, bits=64, commit=00000000, modified=0, pid=1, just started
1:C 14 Oct 2025 13:43:20.908 # Warning: no config file specified, using the default config. In order to specify a config file use redis-server /path/to/redis.conf
1:M 14 Oct 2025 13:43:20.909 * monotonic clock: POSIX clock_gettime
1:M 14 Oct 2025 13:43:20.912 * Running modestandalone, port=6379.
1:M 14 Oct 2025 13:43:20.912 * Server initialized
1:M 14 Oct 2025 13:43:20.914 Ready to accept connections tcp

```

PONG

OK

"docker"

map[6379/tcp:[{ 6379}]]

```

CONTAINER ID NAME CPU % MEM USAGE / LIMIT MEM % NET I/O BLOCK I/O PIDS
2be21f7c7bfe redis-win 0.47% 4.71MiB / 15.33GiB 0.03% 1.95kB / 126B 12.4MB / 0B 6
UID PID PPID C STIME TTY TIME
999 502 481 0 13:43
redis-win
PS C:\WINDOWS
redis-win

```

```
redis_version:7.4.6
redis_git_sha:00000000
redis_git_dirty:0
redis_build_id:a5f90f0b19552ac
redis_mode:standalone
os:Linux 6.6.87.2-microsoft-standard-WSL2 x86_64
arch_bits:64
monotonic_clock:POSIX clock_gettime
multiplexing_api:epoll
atomicvar_api:c11-builtin
gcc_version:14.2.0
process_id:1
process_supervised:no
run_id:7a91e83f1f024af66de11c659668b56a77c27a12
tcp_port:6379
server_time_usec:1760450347082973
uptime_in_seconds:113
uptime_in_days:0
hz:10
configured_hz:10
lru_clock:15619883
executable:/data/redis-server
config_file:
io_threads_active:0
listener0:name=tcp,bind=-::*,port=6379
```

```
MD  
redis-server *:6379
```