

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'etat 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**.

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

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

UID	CMD	PID
999		463

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
4ebab55e39a   mysql:8.4.0                        "docker-entrypoint.s..." 7 minutes ago   Up 7 minutes (healthy)   0.0.0.0::3306->3306/tcp, [:::
Warning: Unable to load /usr/share/zoneinfo/tzdata.asctime as time zone. Skipping it.
Warning: Unable to load /usr/share/zoneinfo/tzdata.zi as time zone. Skipping it.
Warning: Unable to load /usr/share/zoneinfo/tzdata.tab as time zone. Skipping it.
Warning: Unable to load /usr/share/zoneinfo/tzdata.tz as time zone. Skipping it.
2025-10-14 08:30:54:00:00 [Note] [Entrypoint]: Stopping temporary server.
2025-10-14 08:30:54:00:00 [Error] [Server] Error: AUTODOWN from user root. Shutting down mysqld (Version: 8.4.6).
2025-10-14 08:30:54:00:00 [System] [MY-010910] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 8.4.6) MySQL Community Server - GPL.
2025-10-14 08:30:54:00:00 [System] [MY-015016] [Server] MySQL Server - end.
2025-10-14 08:30:54:00:00 [Note] [Entrypoint]: Temporary server stopped
2025-10-14 08:30:54:00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.
2025-10-14 08:30:54:00:00:00 [System] [MY-015015] [Server] MySQL Server - start.
2025-10-14 08:30:54:00:00:00 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.4.6) starting as process 1
2025-10-14 08:30:54:00:00:00 [System] [MY-013302] [Server] InnoDB: InnoDB initialized has started.
2025-10-14 08:30:54:00:00:00 [System] [MY-013377] [InnoDB] InnoDB initialization has ended.
2025-10-14 08:30:54:00:00:00 [Warning] [MY-010608] [Server] CA certificate ca.pem is self signed.
2025-10-14 08:30:54:00:00:00 [System] [MY-013620] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-10-14 08:30:54:00:00:00 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld/' in the path is not secure. Consider changing the --pid-file to a non-secure directory.
2025-10-14 08:30:54:00:00:00 [System] [MY-011232] [Server] X Plugin ready for connections. Bind-address: '::: port: 33060, socket: /var/run/mysqld/mysql.sock
2025-10-14 08:30:54:00:00:00 [System] [MY-010910] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.4.6' socket: '/var/run/mysqld/mysql.sock' port: 3306 MySQL Community Server - GPL
```

healthy

```
P5 C:\WINDOWS\system32> docker exec -i 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%	464MiB / 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

```
mysql> 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-wi
9ffc818f8fde	nginx:1.27-bfe	"docker-entrypoint.s..."	55 minutes ago	Up 3 minutes	0.0.0.0:8080->80/tcp, [::]:8080->80/tcp	nginx-wi
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-wi

```

1:~$ cat /var/log/redis/redis-server.log
1:M 14 Oct 2025 13:29:34.882 * oO000000000000 Redis is starting oO000000000000
1:M 14 Oct 2025 13:29:34.882 * Redis version=7.4.6, bits=64, commit=0000000000, modified=0, pid=1, just started
1:M 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 mode=standalone, 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:M 14 Oct 2025 13:43:20.988 * oO000000000000 Redis is starting oO000000000000
1:M 14 Oct 2025 13:43:20.988 * Redis version=7.4.6, bits=64, commit=0000000000, modified=0, pid=1, just started
1:M 14 Oct 2025 13:43:20.988 # 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 13:43:20.989 * monotonic clock: POSIX clock_gettime
1:M 14 Oct 2025 13:43:20.992 * Running mode=standalone, port=6379.
1:M 14 Oct 2025 13:43:20.992 * Server initialized
1:M 14 Oct 2025 13:43:20.994 * 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%	4.711MiB / 15.33GiB	0.03%	1.95kB / 126B	12.4MB / 0B	6

UID	PID	PPID	C	STATE	TTY	TIME
999	502	481	0	13:43	?	00:00:03

```
redis-win
```

```
PS C:\WINDOWS\system32> cd /d c:\program files\redis-win
```

```
redis_version:7.4.6
redis_git_sha1:00000000
redis_git_dirty:0
redis_build_id:a51f90f0b19552ac
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:7a91e83f1f024afe6de11c659668b56a77c27a12
tcp_port:6379
server_time_usec:1760450347882973
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=*,bind=-:*,port=6379
```

MD
redis-server *:6379