

Operations – CLI & Ping



træfik



CLI - Healthcheck

- The CLI tests that the **Healthcheck** is working
- **traefik** command is installed by default inside the container
- In order to use the **traefik healthcheck** command Ping must be enabled



```
$ traefik healthcheck  
OK: http://:8082/ping
```



Ping Endpoint

- **ping** is enabled in traefik.yml static config
- **ping** can be configured to use dedicated **entrypoint**

Path	Method	Description
/ping	GET, HEAD	A simple endpoint to check for Traefik process liveness. Return a code 200 with the content: OK



```
#####  
# Enable Healthcheck  
#####  
ping: {}
```



CLI – Docker Healthcheck

- Enable Traefik Healthcheck in **docker-compose.cli.yml**
- Use Docker HEALTHCHECK configurations to tune
- The Traefik container now has a **Healthy** status when running

```
healthcheck:
  test: ["CMD", "traefik", "healthcheck"]
  interval: 10s
  timeout: 2s
  retries: 3
  start_period: 5s
```




CLI – Docker Healthcheck

- Docker maintains restarts / testing of Traefik
- If a failure occurs Docker will restart Traefik automatically
- Automation == Awesome

```
07-Operations git:(master) x docker ps
```

CONTAINER ID	IMAGE	STATUS	PORTS	NAMES	COMMAND	CREATED
955506dab78e	mikesir87/cats:1.0	Up 27 minutes	5000/tcp	traefik_catapp.1.p408wt9bqp0kxd4d3pyov8t19	"python3 ./app.py"	27
6ac81917bc92	traefik:v2.2	Up 27 minutes	80/tcp	traefik_traefik.1.buecbt3ant2bwaopqzmmf3o1f	"/entrypoint.sh traefik..."	27
d0628aa5fd62	guillaumebriday/traefik-custom-error-pages:latest	Up 27 minutes	80/tcp	traefik_error.1.wgx3lthz1geuqx5p8mlqrjas2	"/docker-entrypoint.sh"	27

A red arrow points from the top right towards the **(healthy)** status of the `traefik_traefik.1` container. The word **(healthy)** is highlighted with a red box.



Ping Endpoint



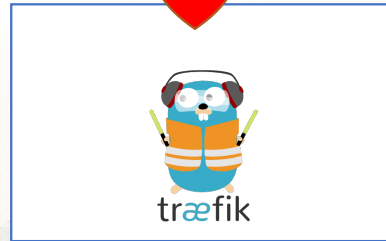
Monitoring System

Ping Endpoint



OK

Returns 200 HTTP status



Traefik Container