

# Docker Healthchecks

## Rationale

Use these to verify the health of database containers. This allows me to only run web services when a database is healthy. This prevents us from hiding a silent failure.

## MariaDB

```
healthcheck:
  test: ["CMD", "healthcheck.sh", "--connect", "--innodb_initialized"]
  start_period: 10s
  interval: 10s
  timeout: 5s
  retries: 3
```

## MySQL

```
healthcheck:
  test: ["CMD", "mysqladmin", "ping", "-h", "localhost"]
  timeout: 20s
  retries: 10
```

## Postgres

```
healthcheck:
  test: ["CMD", "pg_isready", "-U", "<user>"]
  interval: 30s
  timeout: 20s
```

retries: 3

# Web Services

healthcheck:

```
test: ["CMD-SHELL", "curl -f http://localhost:3000/api/healthz | grep pass"]
interval: 1m
timeout: 2m
retries: 5
```

If the service has an HTTP endpoint and has the curl binary, use the above to create a healthcheck.

Use CMD-SHELL as the first token to be able to pipe output from curl to grep

# Valkey

healthcheck:

```
test: ["CMD-SHELL", "valkey-cli ping | grep PONG"]
start_period: 20s
interval: 30s
retries: 5
timeout: 3s
```

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