

MicroProfile Health

This cheat sheet covers the basics of MicroProfile Health specification uses.

DEFINING A HEALTH CHECK

- Implement
 org.eclipse.microprofile.health.HealthCheckinterface.
- 2. Mark the implementation as a CDI bean (e.g., @ApplicationScoped).
- 3. Mark the implementation with one or more of the defined health qualifiers (@Readiness, @Liveness, @Health).
- 4. Implement the call() method.

DIFFERENT KINDS OF HEALTH CHECKS

Readiness health check

Allows third party services to know if the application is ready to process requests or not.

Qualifier

@Readiness

Endpoint

/health/ready

Liveness health check

Allows third party services to determine if the application is running. Failure means that application can be discarded.

Oualifier Programme

@Liveness

Endpoint

/health/live

Backward compatible health check

Warning: This kind of health check is currently deprecated and will be removed in the future version of the specification.

Qualifier

@Health

Endpoint

/health

Note: The /health endpoint aggregates all defined procedures (defined with @Health, @Liveness, @Readiness).

Note: Multiple kinds of health check can be combined on a single health check procedure.

CONSTRUCTING A HealthCheckResponse

Use one of the static methods of HealthCheckResponse to either:

```
contruct the HealthCheckResponse object directly:
```

```
HealthCheckResponse.up("successful-check")
or
HealthCheckResponse.up("failed-check")
```

contruct the HealthCheckResponseBuilder using following methods for a more detailed response specification:

```
HealthCheckResponse#named(String)
or
HealthCheckResponse#builder()
```

Note: Every health check is required to have a name.

Adding custom data values to the health check response

With the HealthCheckResponseBuilder you can use one of the overloadings of the withData method to add a custom key-value pairs to your health check response:



HTTP STATUS CODES OVERVIEW

200

health check with a positive status (UP)

503

health check with a negative status (DOWN)

500

error in the procedure execution

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