

# Concept: HttpMessage

**“A message which serialises to the HTTP standard.”**

**http4k represents these as immutable Data classes**

```
val request = Request(Method.GET, "http://server/path")  
    .query("name", "value")  
    .header("name", "value")  
    .body("hello world")
```

```
val response = Response(Status.I_M_A_TEAPOT)  
    .header("name", "value")  
    .body("hello world")
```

# Concept: ~~Service~~ HttpHandler

**“It turns an HTTP Request into an HTTP Response”**

ie. it's a function!

`HttpHandler: (Request) -> Response`