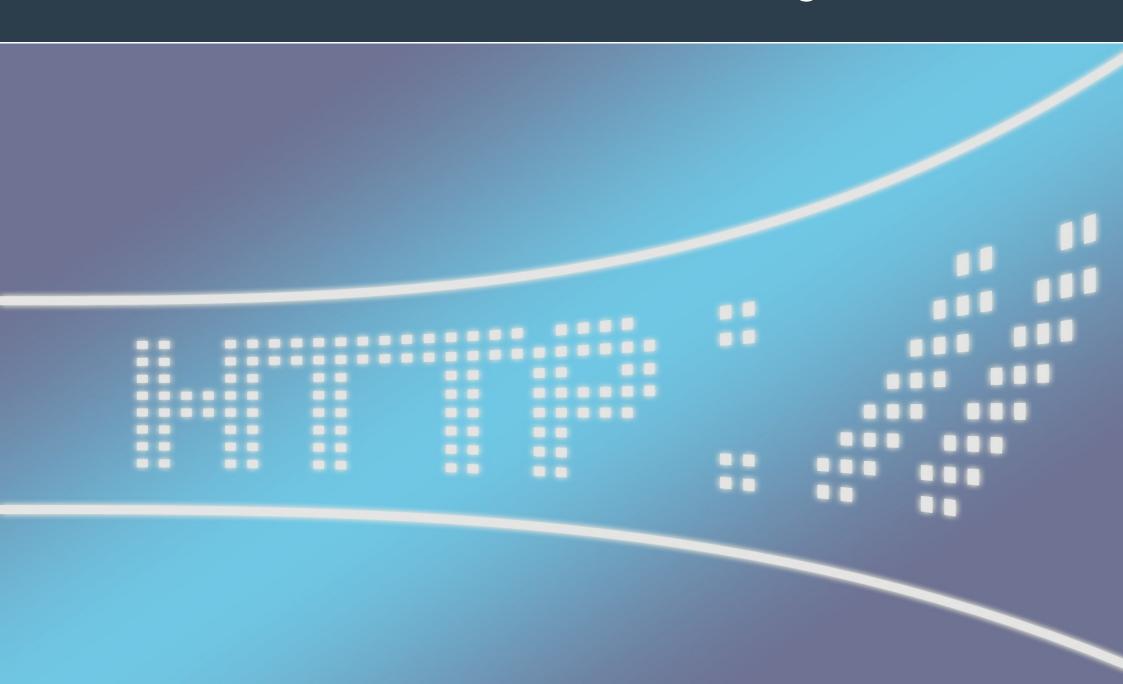# New HTTP client API in Java 11

java.net.**HttpURLConnection**

- difficult to use for the developers

- never designed to work in an asynchronous way

- doesn't support HTTP/2

Other Alternatives

- Eclipse Netty (https://netty.io/)

- Apache HttpClient
  (https://hc.apache.org/httpcomponents-client-ga/)

- OkHttp (https://square.github.io/okhttp/)

New HTTP Client API

- java.net.http
  - HttpClient
  - HttpRequest
  - HttpResponse

How does it work

```java
HttpClient client = HttpClient.newHttpClient();

HttpRequest request = HttpRequest.newBuilder()
    .uri(URI.create("http://localhost:8080/xml"))
    .build();

HttpResponse<String> response =
        client.send(request,
        HttpResponse.BodyHandlers.ofString());

System.out.println(response.body());
```