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RestClient

RestClient

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webclient → webflux

RestClient

The RestClient is a synchronous HTTP client that offers a modern, fluent API. It offers an abstraction over HTTP libraries that allows for convenient conversion from a Java object to an HTTP request, and the creation of objects from an HTTP response.

Building RestClient

```
RestClient restClient = RestClient.builder()  
    .baseUrl(BASE_URL)  
    .defaultHeader(HttpHeaders.AUTHORIZATION,  
        encodeBasic(properties.getUsername(), properties.getPassword())  
    )  
    .build();
```

Using the RestClient

```
CustomerResponse customer = restClient.get()  
    .uri("/{id}",3)  
    .accept(MediaType.APPLICATION_JSON)  
    .retrieve()  
    .body(CustomerResponse.class);
```

Apart from `get()`, we have `post()`, `put()`, `patch()` and `delete()` methods as well.

Handling Errors in RestClient

```
ResponseEntity response = restClient.delete()  
....  
.onStatus(HttpStatusCode::is4xxClientError,  
    (req, res) ->  
        logger.error("Couldn't delete "+res.getStatusText()))  
)  
.toBodilessEntity();
```

