

Validating Response Headers



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Overview



Project setup

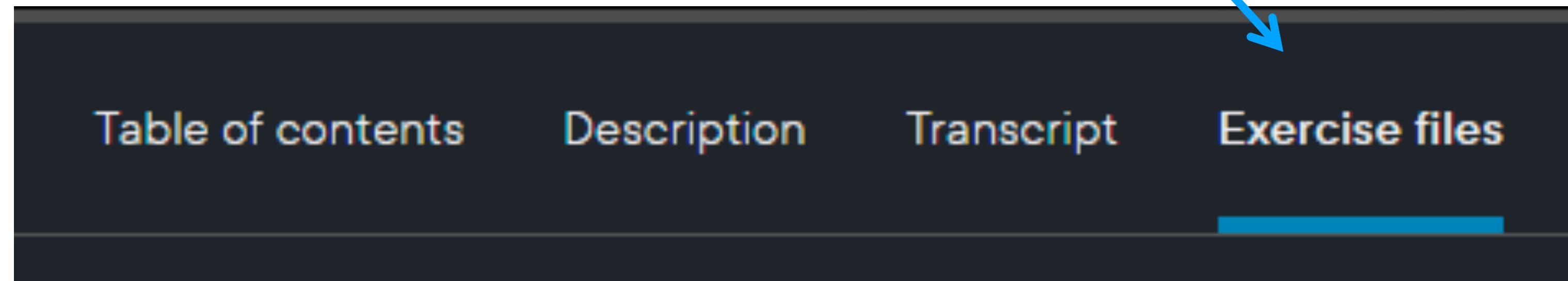
Typical headers

Assert and validate various headers

Leverage the Hamcrest library

Maps of headers





```
status: 200 OK
content-type: application/json; charset=utf-8
date: Mon, 05 June 2023 16:11:35 GMT
etag: "8ccd6372bcf27b234e53e90d8e0ae9c12efd55c887b556b"
server: GitHub.com
x-frame-options: deny
x-ratelimit-limit: 60
[...]
```

**“X” prefix is used for
custom headers**



Header Groups

1

**Standard and
ubiquitous**

e.g. “content-type”

2

Standard
e.g. “date” or “etag”

3

Custom
prefixed with “x-”



.getStatusCode()

.getContentType()

.getHeader(**String** header)

.getHeaders()



Response
assertEquals
(r.getStatusCode(), 200);

ValidatableResponse
.assertThat()
.statusCode(200)



Further Checks



Numbers and dates

String contains X

Collection contains Y

Is empty or is null



.assertTrue()

.assertFalse()

.assertNotNull()

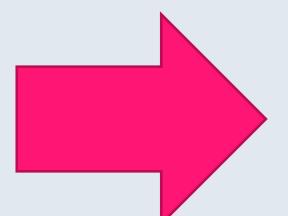


```
.assertTrue(resp.getThis() > 199)  
.assertFalse(resp.getThat().contains("x"))  
.assertNotNull(resp.getOther())
```



```
.statusCode(int code)
```

```
.header("x", "y")
```



```
.statusCode(int code, Matcher m)
```

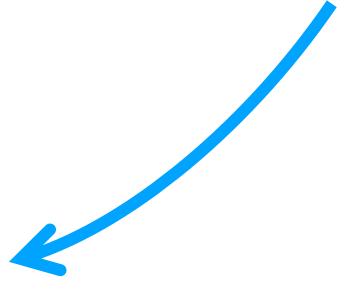
```
.header("x", "y", Matcher m)
```



REST Assured

Hamcrest

Batteries included



```
import static org.hamcrest.MatcherAssert.assertThat;
import static org.hamcrest.Matchers.*;

@Test
public void hamcrestExample() {
    assertThat(10, lessThan(11));
}
```



```
import static org.hamcrest.Matchers.*;
```

```
RestAssured.get(url)
    .then()
    .statusCode(200)
    .statusCode(equalTo(200))
    .statusCode(lessThan(300))
    .header("x", containsStringIgnoringCase("y"))
```



```
import static org.hamcrest.Matchers.*;  
  
RestAssured.get(url)  
    .then()  
    .header("etag", notNullValue())  
    .header("etag", not(emptyString()))  
    .statusCode(anyOf(equalTo(200), equalTo(202)))
```



```
.headers(String h1, Object v1, Object... headers)
```

```
.headers(Map<String, ?> headers)
```



Summary



Simple response

ValidatableResponse

- Use `then()`

Convenience methods

- `StatusCode()`
- `ContentType()`

header()

Hamcrest matchers



Up Next:

Understanding the Different Parameter Settings

