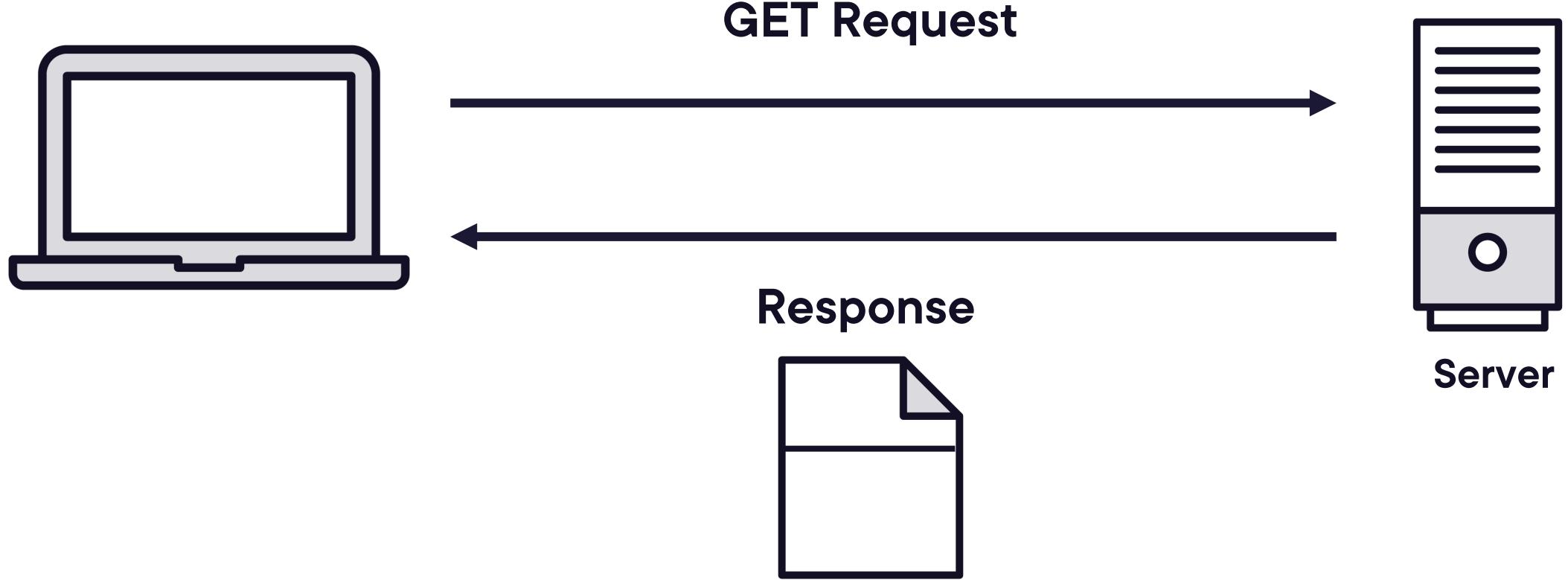


Sending Create, Update, and Delete Requests



Andrejs Doronins

Software Developer in Test

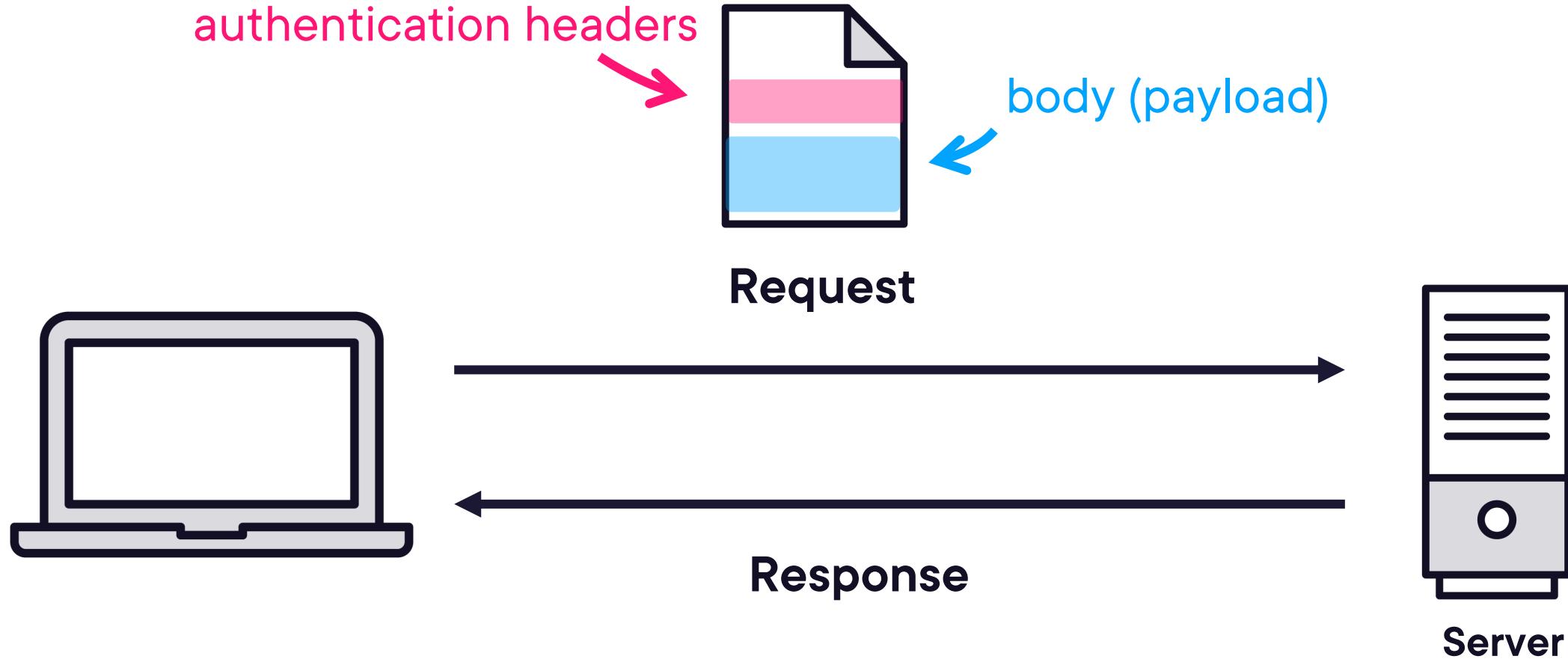


HTTP method	Request has body	Safe
GET	No	Yes
POST	Yes	No
PUT	Yes	No
DELETE	Yes	No



Should require authentication





Overview



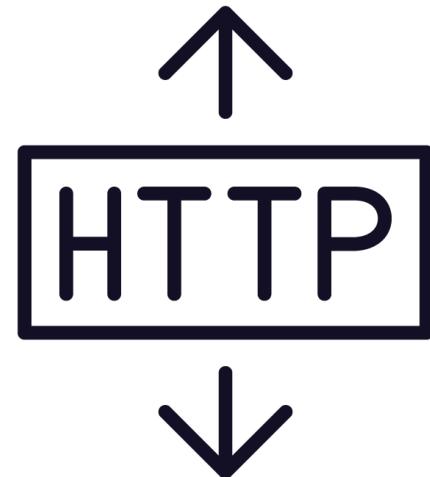
Review of HTTP methods

Use HEAD and OPTIONS

POST, PATCH, DELETE



Simple and Safe Methods



GET

- Retrieve data only
- No side-effects

HEAD

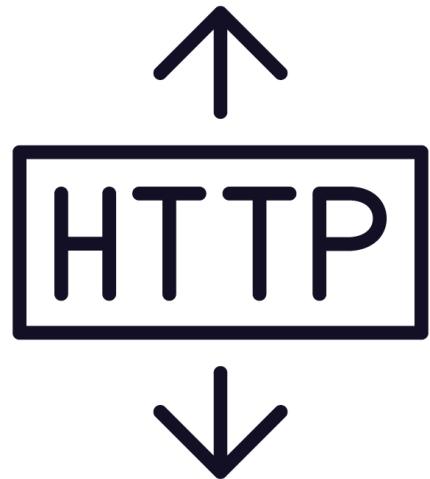
- Get headers only, no body
- Useful to fetch metadata fast

OPTIONS

- List of supported HTTP methods



Destructive Methods



POST and PUT

- Create or overwrite from the Request's body

PATCH

- Apply partial modifications

DELETE



Honorable Mention



BDD Keywords: Given When Then



Given: <some condition>
When: <action>
Then: <expected output>

Given: API URL is <http://api.github.com>
When: User sends a **GET** request
Then: Response status code is **200**



```
.given()  
    .header("x", "y")  
    .body("payload")  
.when()  
    .post("url")  
.then()  
    .statusCode(xyz);
```



```
given()
  .auth()      // AuthenticationSpecification
  .basic( ...) // usr / pwd
  .oauth2( ...) // access token
  .ntlm( ...)
  .digest( ...)
  .form( ...)
```



GET

HEAD

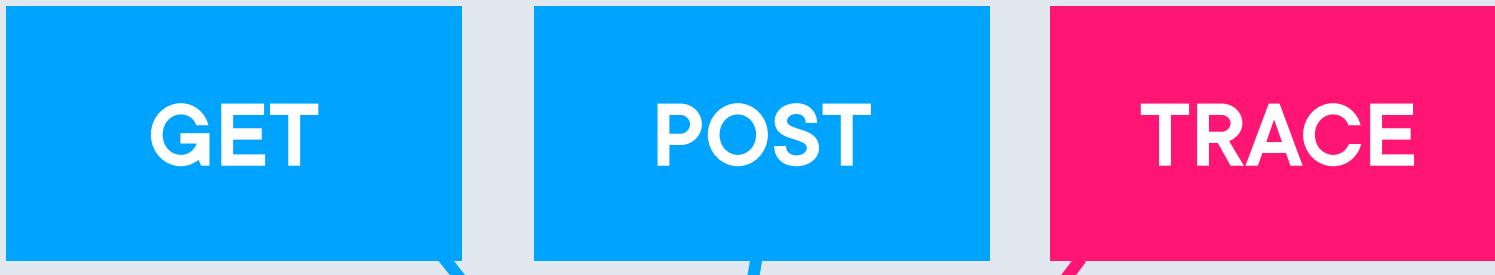
OPTIONS

POST

PATCH

DELETE





Restassured

.request(Method m)

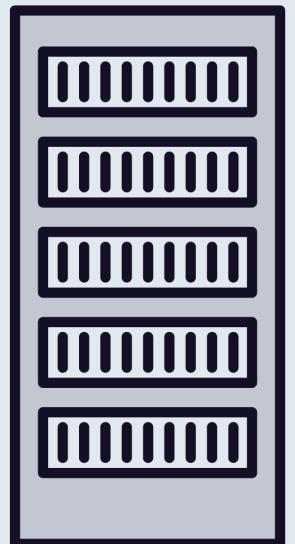
// OR

.request(String s)

TRACE

WHATSUP?

REJECTED



Summary



HEAD and OPTIONS: retrieve metadata

Create, Change, and Delete methods

Set authentication in the header

.request() function



Up Next:

Leveraging REST Assured Configuration

