

What is REST?

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REST:

“*REpresentational State Transfer*”



REST:

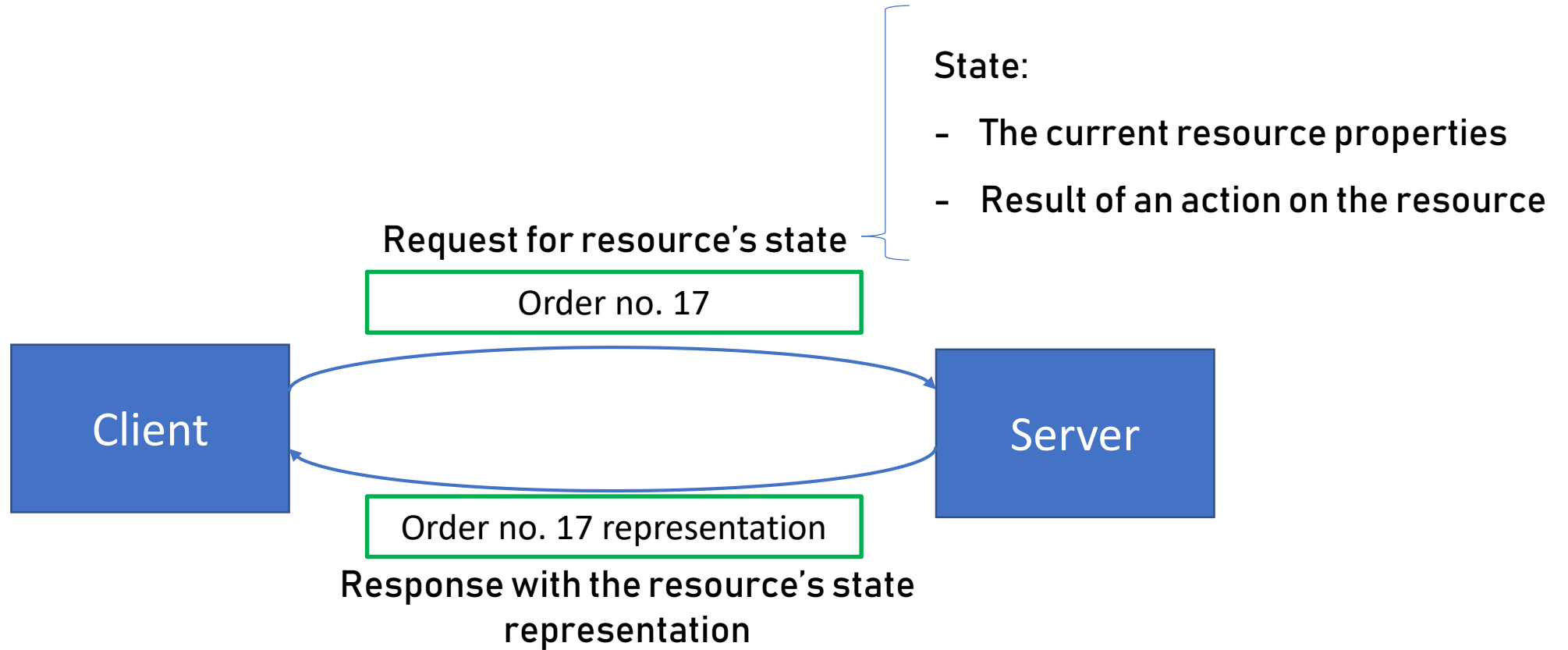


Representational State Transfer

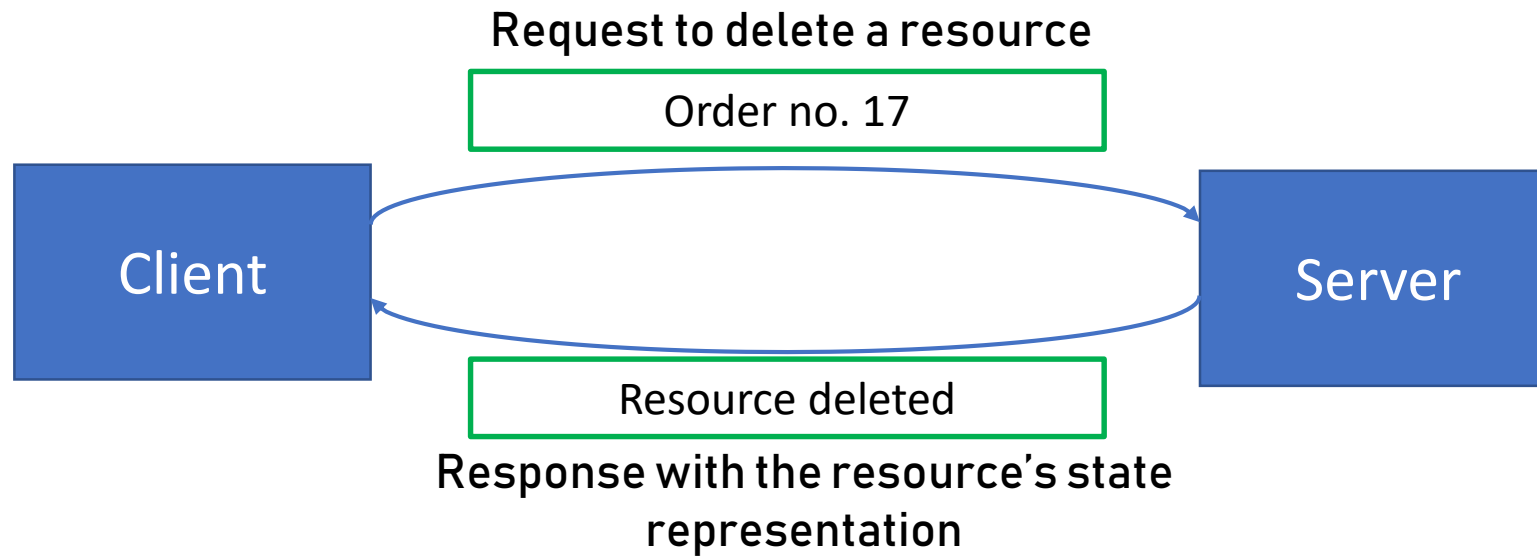


REST API enables *transfer of representation*
of a resource's *state*

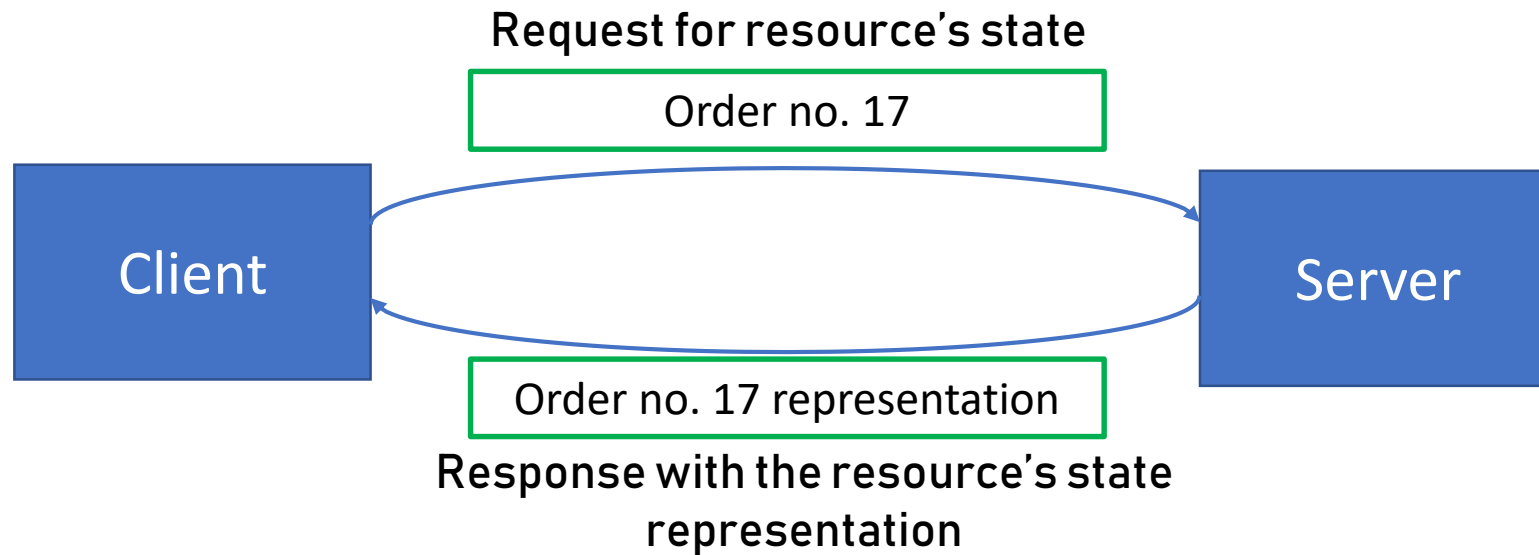
REST Request / Response



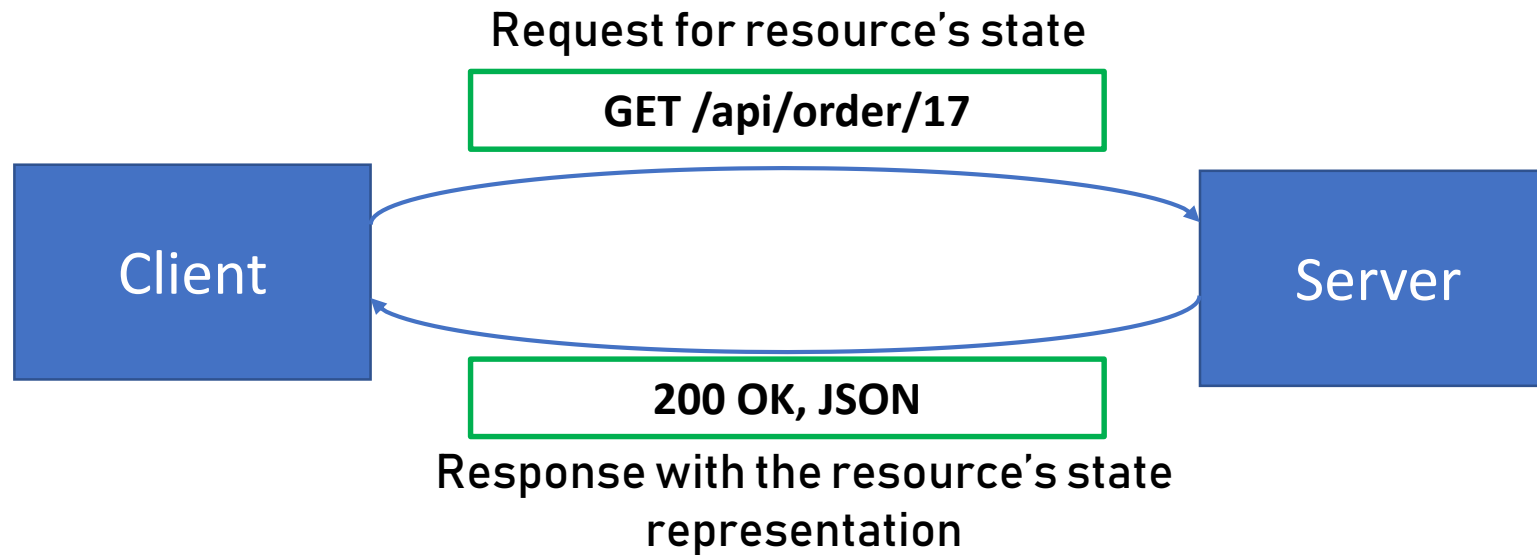
REST Request / Response



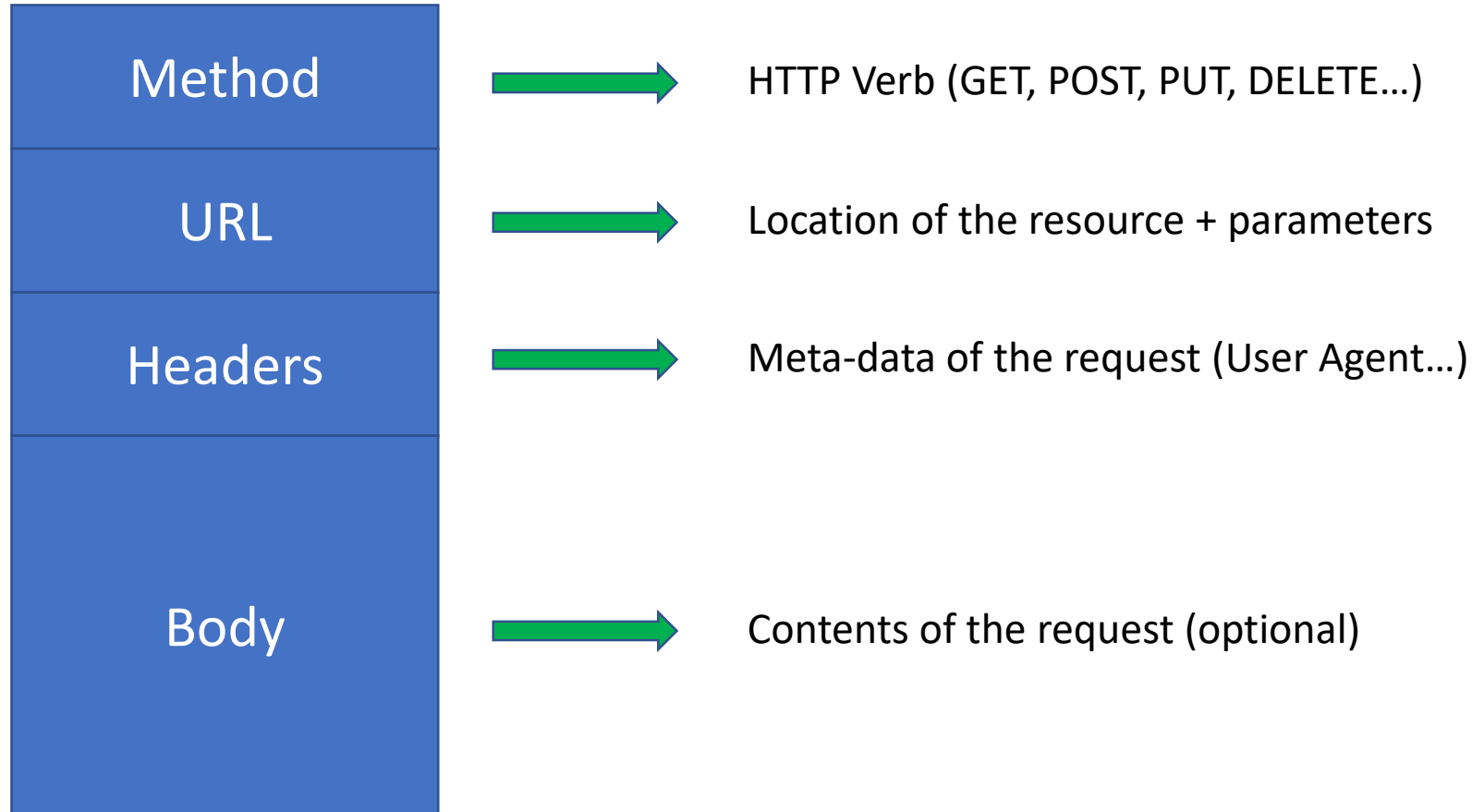
REST Request / Response over HTTP



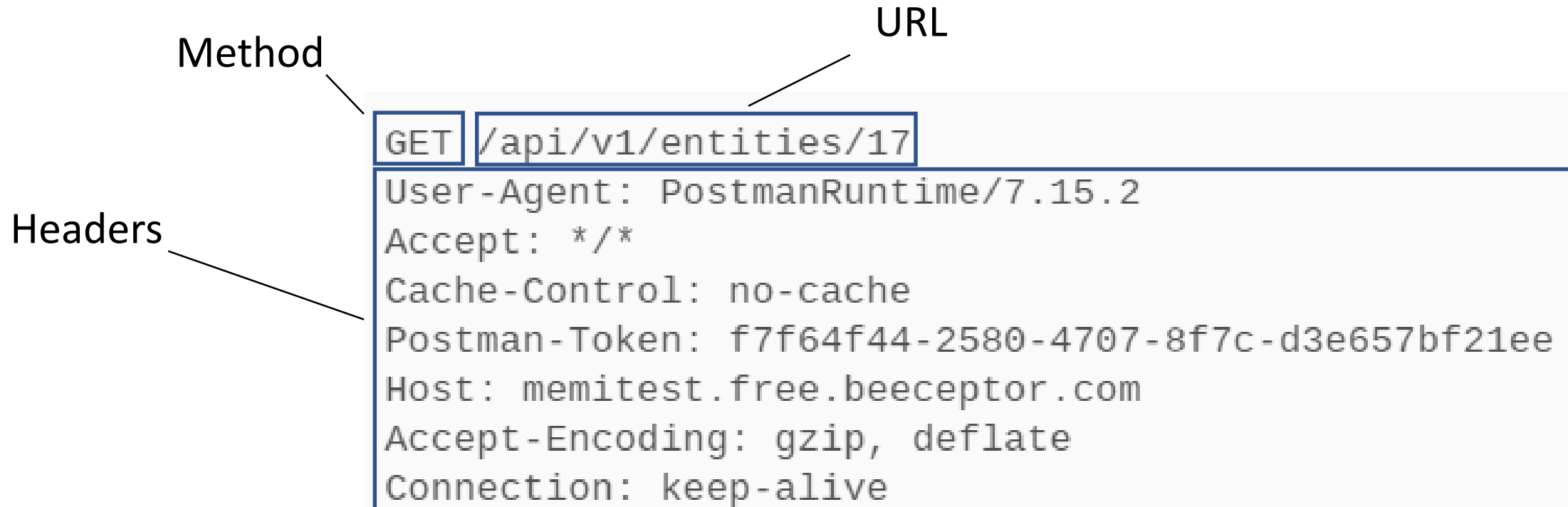
REST Request / Response over HTTP



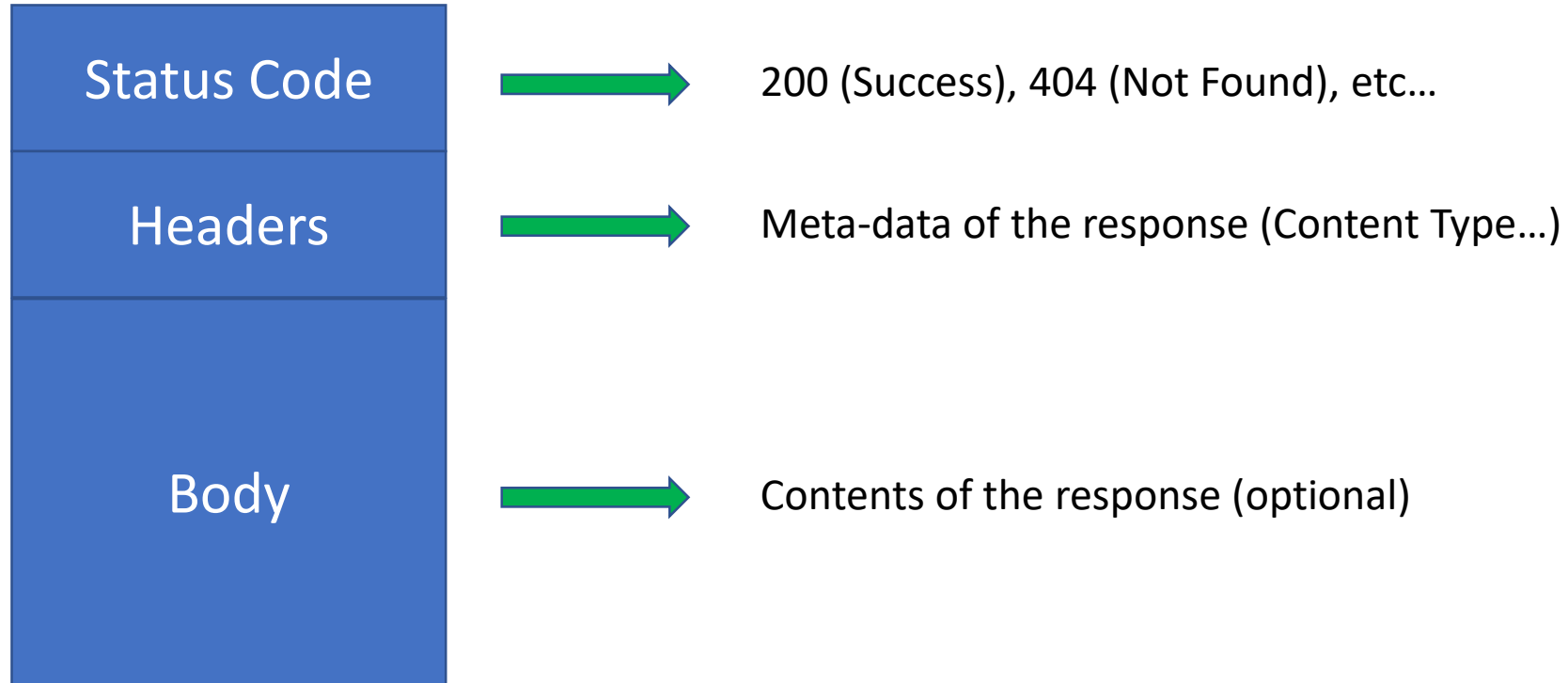
Structure of REST API Request



Structure of REST API Request



Structure of REST API Response



Structure of REST API Response

Status

HTTP/1.1 200

Headers

```
status: 200
Date: Fri, 02 Aug 2019 09:06:13 GMT
Content-Type: text/plain
Transfer-Encoding: chunked
Connection: keep-alive
access-control-allow-origin: *
Vary: Accept-Encoding
```

```
{ "orderId" : "17", "orderDate" : "12.12.2018", "items" : [ "id" : "6", "id" : "56" ] }
```

Body

Response Types

- Usually JSON
- Can be also XML or HTML
 - Rarely used