JAVA ADVANCED



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# FEEDBACK E DÚVIDAS







# ANATOMIA DA SOLICITAÇÃO

#### **Endpoint**

o endereço (url) da solicitação

#### Método

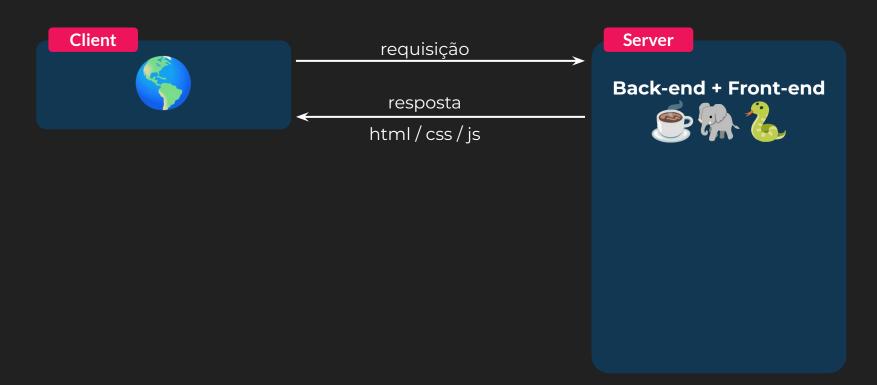
o tipo do pedido (POST, GET, etc)

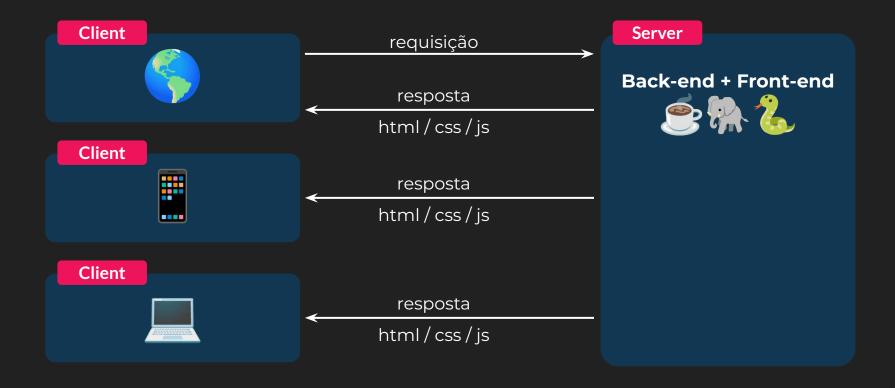
#### Header

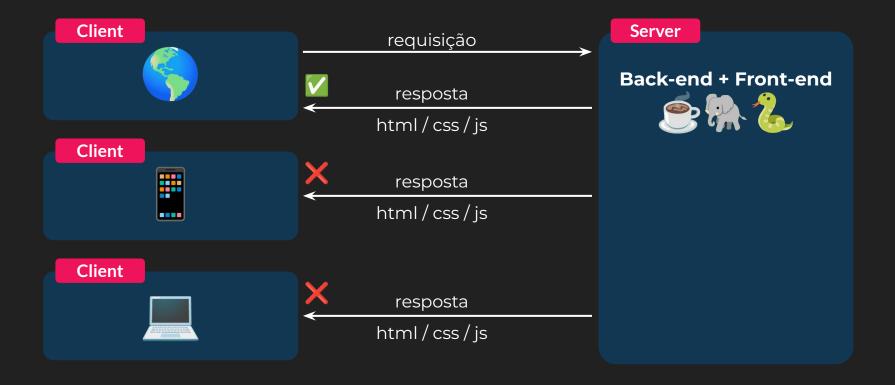
dados adicionais da solicitação

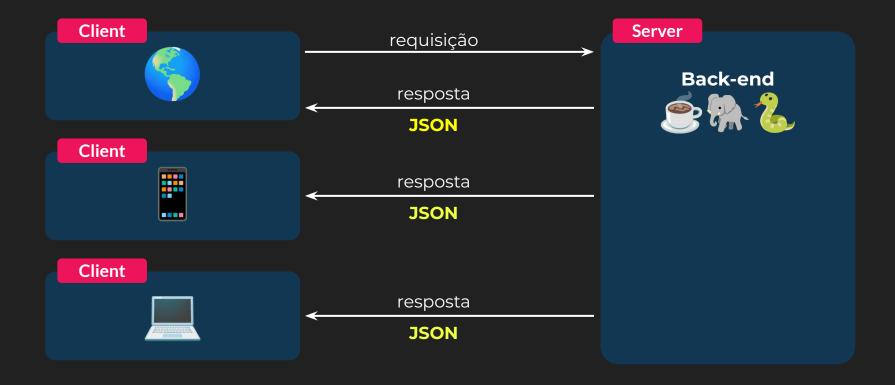
#### **Body**

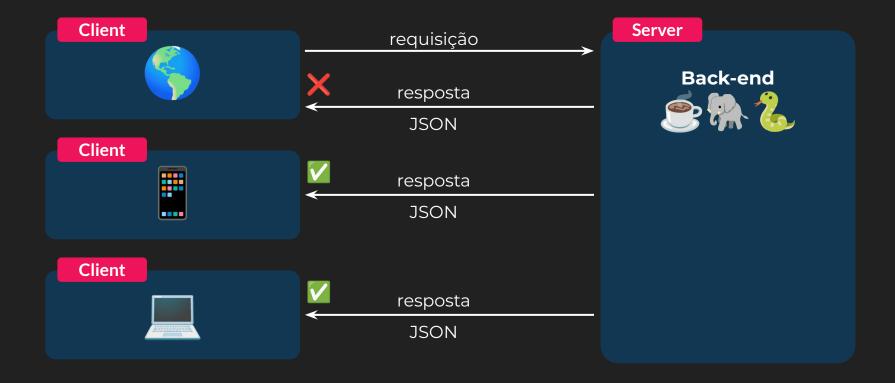
os dados enviados para o servidor

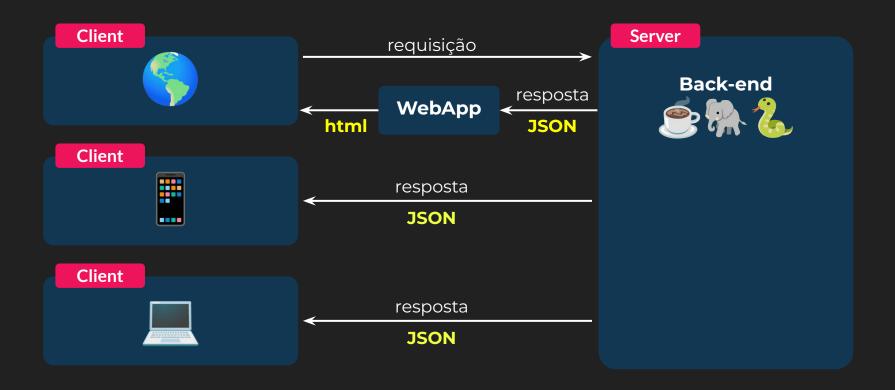












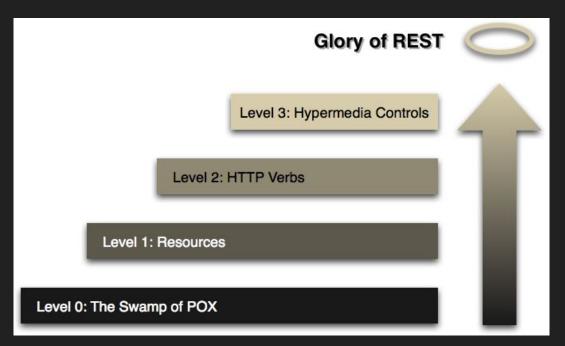


Stateless

operações definidas

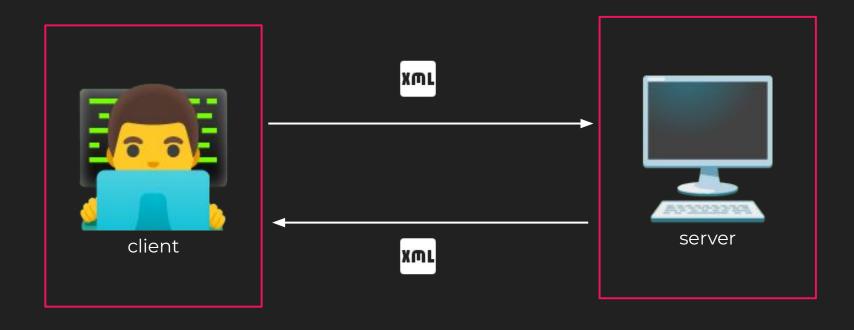
sintaxe universal uso de hipermídia

### RESTFUL



https://martinfowler.com/articles/richardsonMaturityModel.html

# O PÂNTANO DO POX PLAN OLD XML



### RECURSOS E VERBOS

Nome	Path	Verbo	Ação	
Index	/setups	GET	Listar todos os setups	
Create	/setups	POST	Criar um novo setup	
Show	/setups/{id}	GET	Mostra dados de um setup	
Update	/setups/{id}	PUT	Atualiza um setup	
Destroy	/setups/{id}	DELETE	Apaga um setup	

#### RECURSOS E VERBOS

GET ▼ https://localhost/buscarCliente/1

GET ▼ https://localhost/salvarCliente

GET ▼ https://localhost/apagarCliente/1

https://localhost/cliente/1 https://localhost/cliente DELETE ▼ https://localhost/cliente/1

### HTTP STATUS CODE











### HTTP STATUS CODE - EXEMPLOS

Código	Descrição	Código	Descrição
200	OK	400	Bad Request
201	Created	401	Unauthorized
202	Accepted	404	Not Found
307	Temp Redirect	500	Internal Server Error
503	Service Unavailable		

#### HATEOAS

Hypermedia as the Engine of Application State

```
"account": {
        "account_number": 12345,
        "balance": {
            "currency": "usd",
            "value": 100.00
       },
        "links": {
            "deposits": "/accounts/12345/deposits",
            "withdrawals": "/accounts/12345/withdrawals",
            "transfers": "/accounts/12345/transfers",
            "close-requests": "/accounts/12345/close-requests"
```

### HATEOAS

```
"account": {
        "account_number": 12345,
        "balance": {
           "currency": "usd",
           "value": -25.00
        },
        "links": {
            "deposits": "/accounts/12345/deposits"
```

# PARÂMETRO DE CONSULTA

É possível parametrizar a solicitação de um recurso através dos **Query Parameters** 

GET https://some-api.com/photos?orientation=landscape

# PARÂMETRO DE CAMINHO

Para acessar recursos específicos, utilizamos os parâmetros de caminho ou **Path Parameter** 

GET https://api.github.com/users/bruno

# LISTA DE APIS PÚBLICAS

https://github.com/public-apis/public-apis

# VAMOS AO TRABALHO