



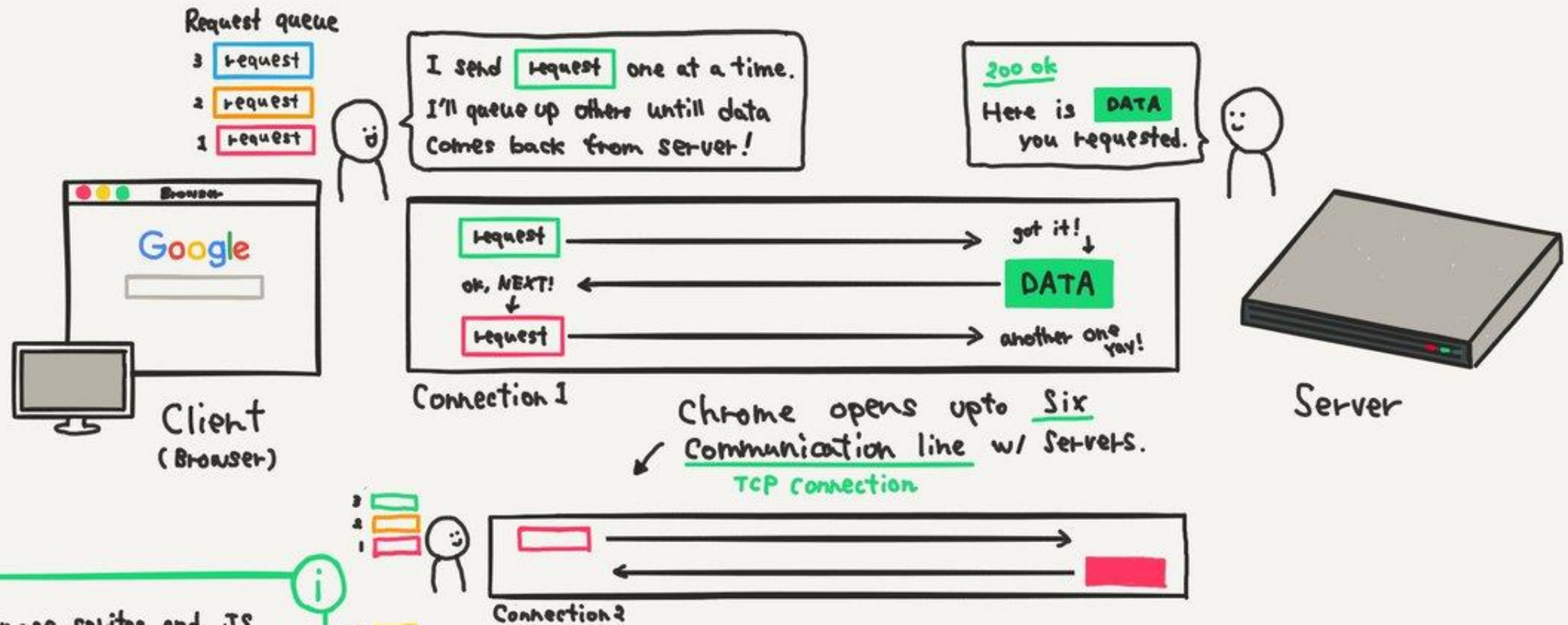
part 6

plan

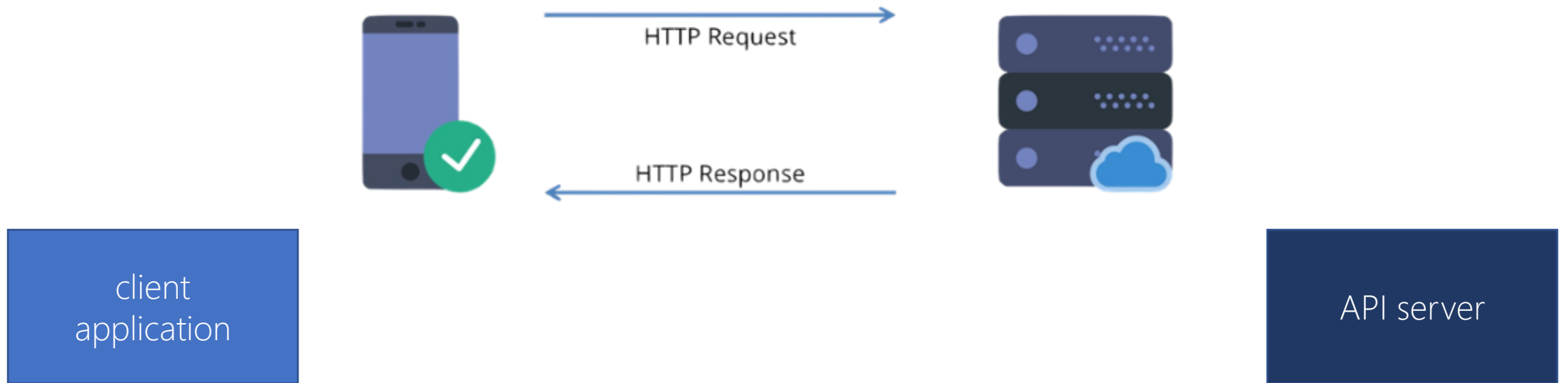


Protocol (Pin HTTP) is a Communication rule between Client (browser) & Server.

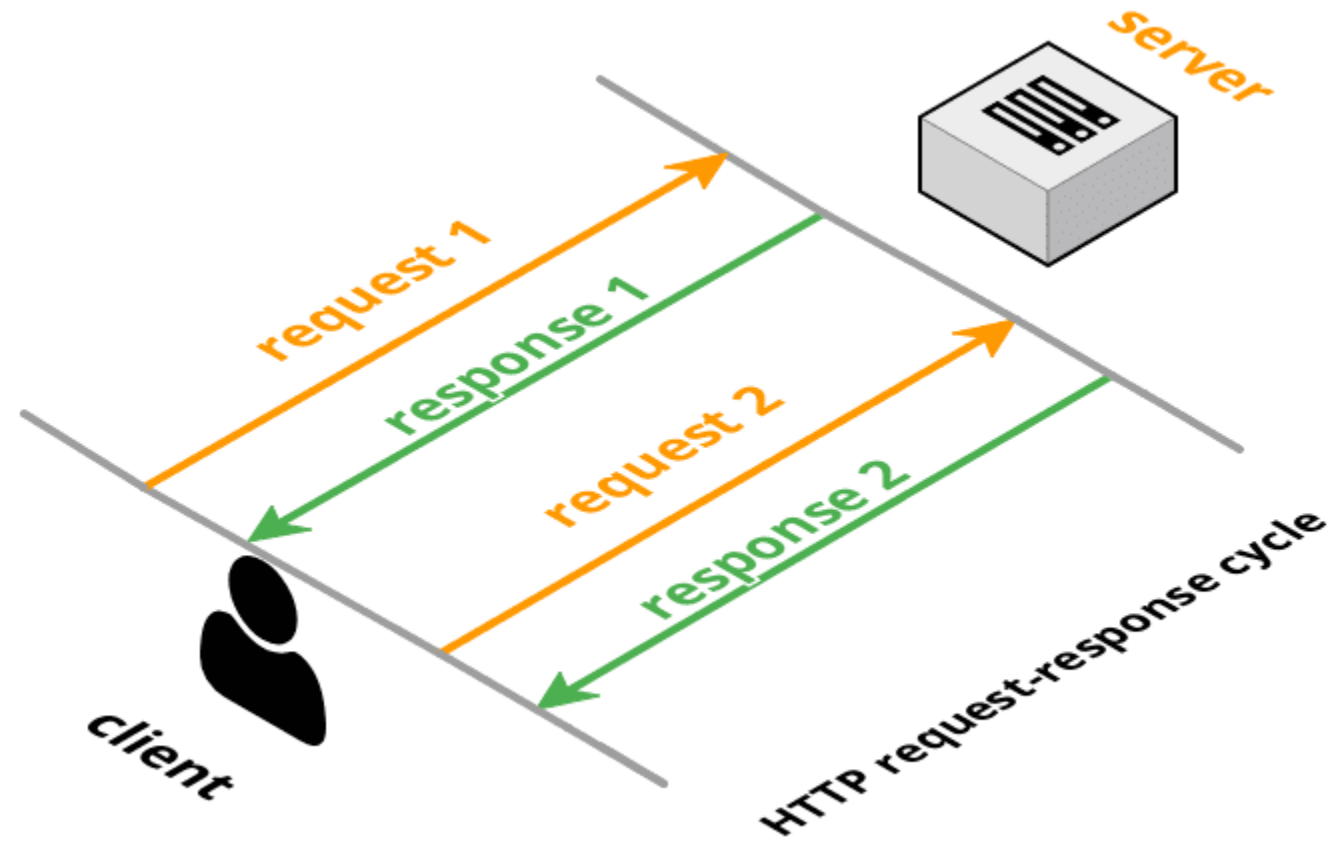
HTTP 1.x



http(s) request/response



http(s) request-response cycle



HTTP methods

POST

- modify

GET

- read

PUT

- modify

DELETE

- delete

HTTP request and response headers

Name	×	Headers	Preview	Response	Timing
<input type="checkbox"/> font-check-blue.77286...	▼ General Request URL: https://www.google-analytics.com/analytics.js Request Method: GET Status Code: ● 200 (from disk cache) Remote Address: [2607:f8b0:4002:807::200e]:443 Referrer Policy: no-referrer-when-downgrade				
<input checked="" type="checkbox"/> analytics.js					
<input type="checkbox"/> fontawesome-webfont...					
<input type="checkbox"/> OpenSans-Light-webf...					
<input type="checkbox"/> OpenSans-Regular-we...					

OpenSans-LightItalic-...

OpenSans-Semibold-...

OpenSans-Italic-webf...

header-background.4c...

data:image/png;char...

logo_sprite.7d36c4a14...

javascript.b28203373c...

23 requests | 39.3KB trans...

▼ Response Headers

age: 1109

alt-svc: quic=":443"; ma=2592000; v="39,38,37,36,35"

cache-control: public, max-age=7200

content-encoding: gzip

content-length: 12343

content-type: text/javascript

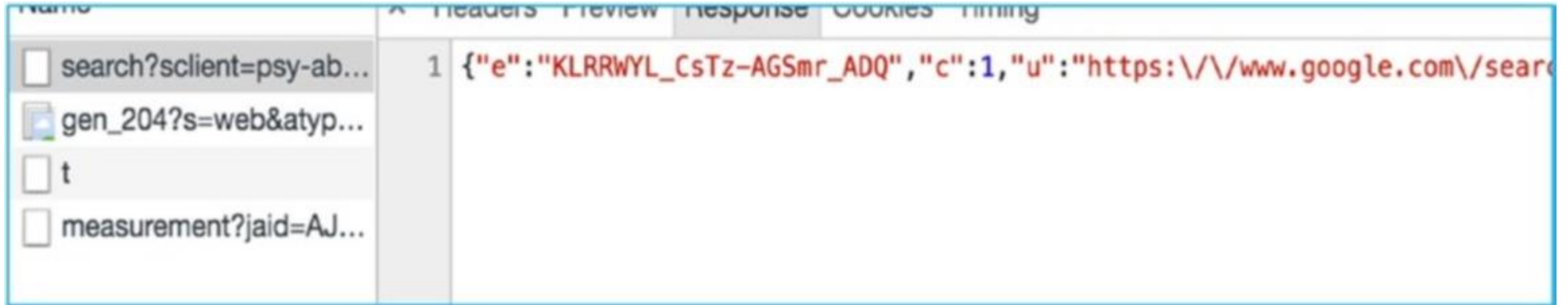
date: Tue, 27 Jun 2017 00:44:41 GMT

expires: Tue, 27 Jun 2017 02:44:41 GMT

last-modified: Tue, 06 Jun 2017 00:25:39 GMT

server: Golfe2

HTTP body



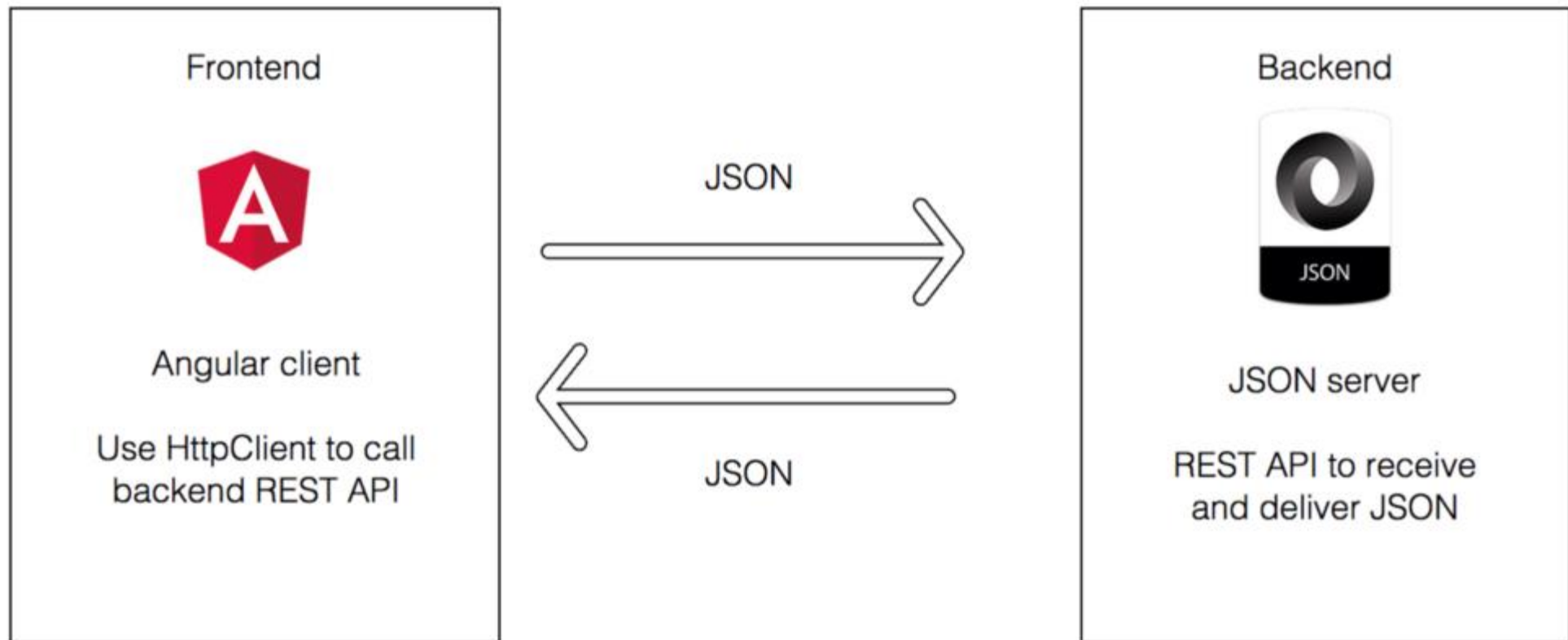
HTML

JSON

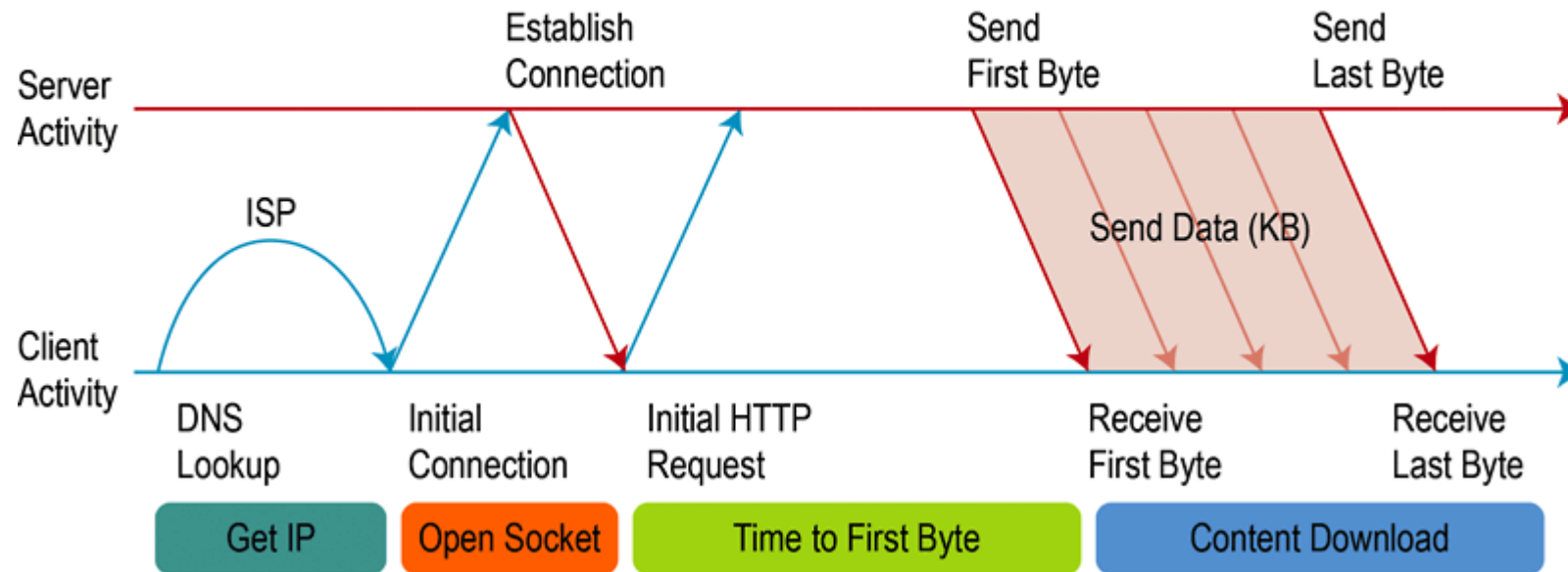
XML

Binary

HTTP communication



The HTTP Request



REST Resource Addressability

`<api_url>/<resource-collection>/ [<id>]`

The server where the
API is hosted

The resource collection to be accessed

Optional parameter to
identify the resource

`http://pizzaService/pizzas/1`

GET	/pizzas	List all pizzas
POST	/pizzas	Create a pizza
GET	/pizzas/1	Get pizza 1
PUT	/pizzas/1	Update pizza 1
DELETE	/pizzas/1	Delete pizza 1

angular http communication

```
import {  
    HttpClientModule  
} from '@angular/common/http';
```

angular http communication

```
export class PizzaService {  
    ...  
}  
  
export class Pizza {  
    ...  
}
```

angular http communication

```
private url = 'http://pizzaService';  
private endpoint = 'pizzas';
```

```
constructor(  
    protected httpClient: HttpClient  
) { }
```

angular http communication

```
list(): Observable<Pizza[]> {  
    return  
        this.httpClient.get<Pizza[]>(  
            `${this.url}/${this.endpoint}`  
        );  
}
```

angular http communication

```
read(id:number): Observable<Pizza> {  
    return  
        this.httpClient.get<Pizza>(  
            `${this.url}/${this.endpoint}/${id}`  
        );  
}
```


angular http communication

```
public create(pizza: Pizza): Observable<Pizza>{  
    return  
        this.httpClient.post<Pizza>(  
            `${this.url}/${this.endpoint}`, pizza  
        );  
}
```



<https://github.com/Banndzior>

#slack

kamil.mijacz@gmail.com

kamil.mijacz@softwarehut.com