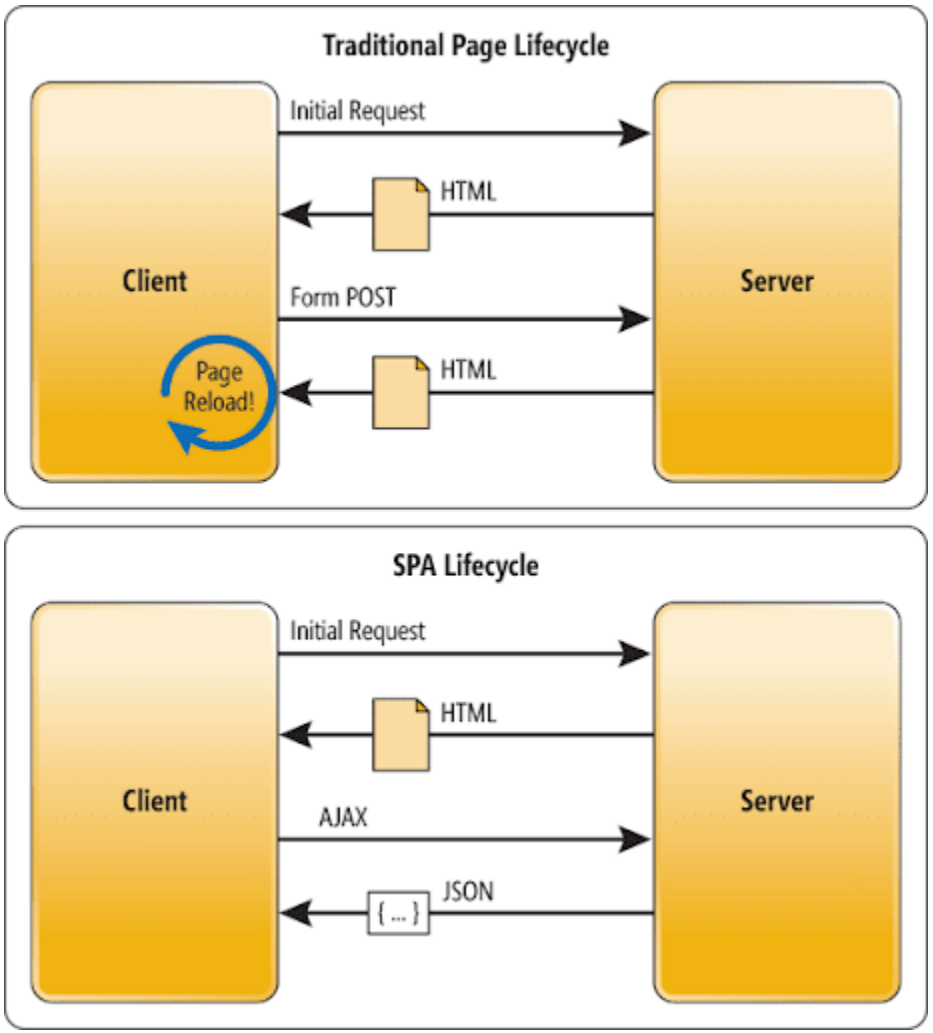
HENRY

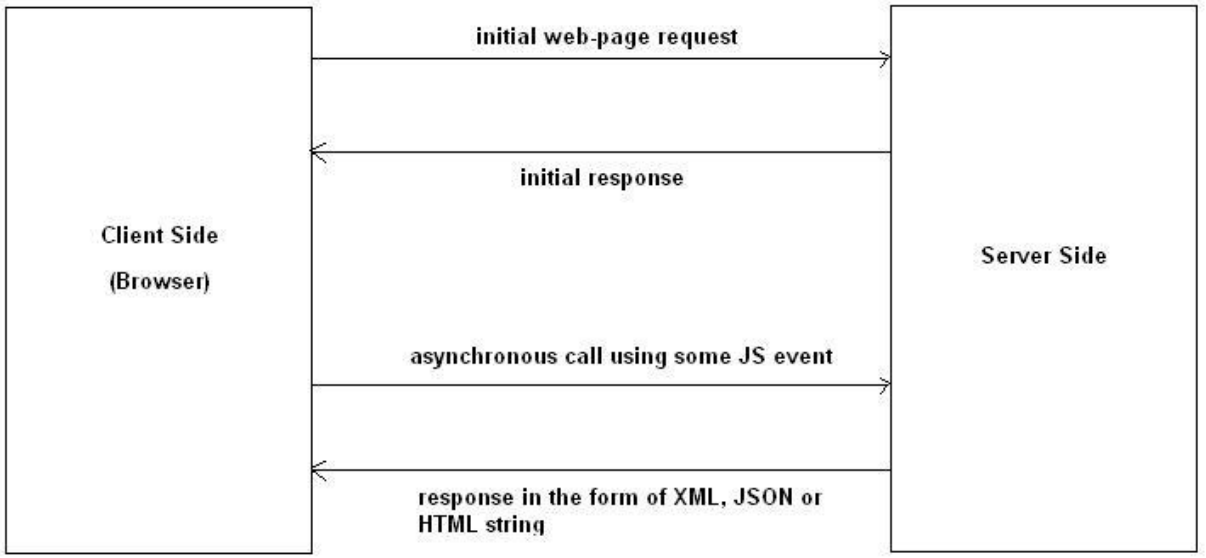
AJAX

Historia

1. JavaScript - 1995
2. ECMA Script - 1997
3. AJAX by Google - 2004.
4. Chrome browser y V8 engine.
5. Aparición de Frameworks de Front-end



AJAX


initial web-page request
initial response
Client Side
(Browser)
Server Side
asynchronous call using some JS event
response in the form of XML, JSON or
HTML string

XML VS JSON

XML

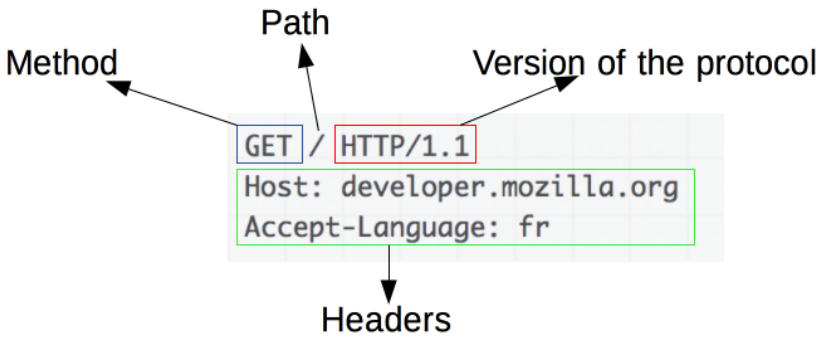
```
<empinfo>
   <employees>
      <employee>
         <name>James Kirk</name>
         <age>40></age>
      </employee>
      <employee>
         <name>Jean-Luc Picard</name>
         <age>45</age>
      </employee>
      <employee>
         <name>Wesley Crusher</name>
         <age>27</age>
      </employee>
   </employees>
</empinfo>
```

JSON

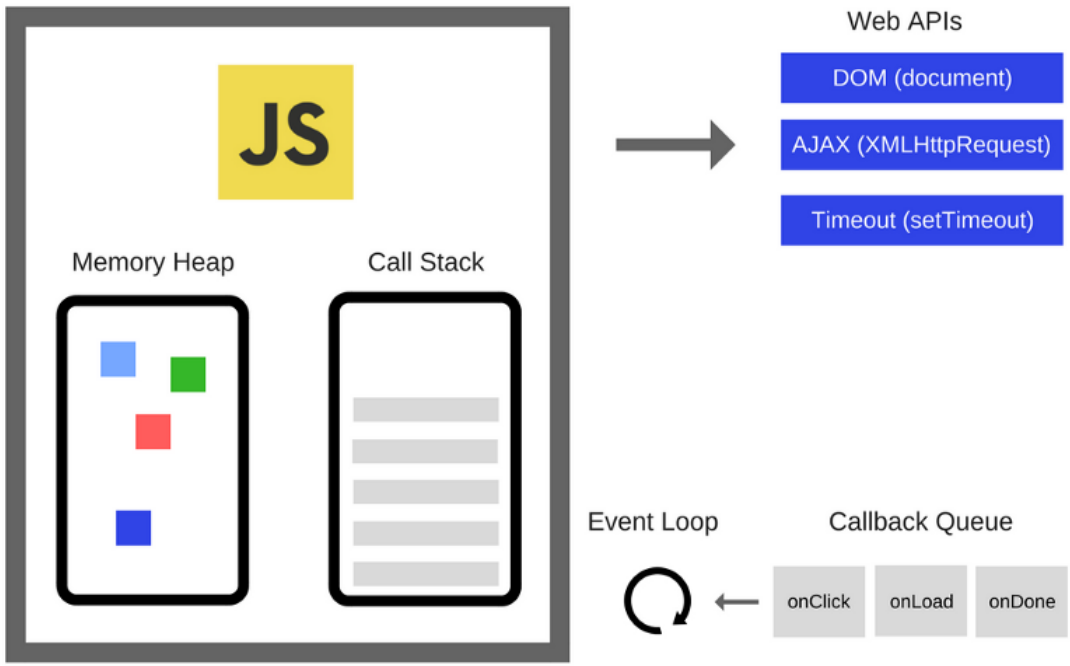
```
{  "empinfo" :
      {
            "employees" :  [
            {
                  "name" : "James Kirk",
                  "age" : 40,
            },
            {
                  "name" : "Jean-Luc Picard",
                  "age" : 45,
            },
            {
                  "name" : "Wesley Crusher",
                  "age" : 27,
            }
                              ]
      }
}
```

HTTP Methods

GET	/pet/{petId}	Find pet by ID
PUT	/pet	Update an existing pet
DELETE	/pet/{petId}	Deletes a pet
POST	/pet/{petId}/uploadImage	uploads an image



Eventos


JS
Memory Heap
Call Stack
Web APIs
DOM (document)
AJAX (XMLHttpRequest)
Timeout (setTimeout)
Event Loop
Callback Queue
onClick
onLoad
onDone

Eventos

```
$('.answer').click(function(){
    let meal = {
      location: 'here',
      condiments: 'ketchup',
      idNumber: 191,
    };

  //data contains the data from the server
  $.get('/comboMeal', meal, function(data){
      //eat is a made-up function but you get the point
      eat(data);
  });
});
```

Demo

```
$('.answer').click(function(){
  //data contains the data from the server
  $.get('https://jsonplaceholder.typicode.com/', function(data){
     //eat is a made-up function but you get the point
     console.log(data);
  });
});
```