



Name	Method	Status	Type	Initiator	Size	Time
orange-vendors-1.3.1.min.js	GET	200	script	(index)	52.3 KB	115 ms
orange-custom-cms-2.3.2a.min.js	GET	200	script	(index)	8.3 KB	47 ms
orange-custom-main-2.2.4.min.js	GET	200	script	(index)	6.1 KB	40 ms
tealium-desktop.js	GET	200	script	(index)	563 B	42 ms
analytics.js	GET	200	script	(index):40	17.4 KB	23 ms
utag.js	GET	200	script	tealium-desktop.js:4	34.9 KB	29 ms
js?id=GTM-KSKDHLP&cid=719428650.1569601895	GET	200	script	VM208:analytics.js:68	20.9 KB	47 ms
init.js?utv=ut4.46.201906121216	GET	200	script	utag.js:70	116 KB	177 ms
cbar.js.php?utv=ut4.46.201904160942	GET	200	script	utag.js:70	46.9 KB	24 ms
data.js.php?a=pv&sid=9416539&uid=9252496348581&pid...&abt=a&pt=...	GET	200	script	cbar.js.php?utv=ut4.46.201904160942:819	4.7 KB	59 ms
dal.js	GET	200	script	bootstrap:19	2.6 KB	29 ms
fbevents.js	GET	200	script	utag.js:72	31.0 KB	25 ms
ld.js	GET	200	script	utag.js:74	10.3 KB	51 ms
utag.557.js?utv=ut4.46.201909121157	GET	200	script	utag.js:70	46.4 KB	27 ms
conversion_async.js	GET	200	script	utag.js:70	9.2 KB	58 ms
48810?ret=js&iimit=1	GET	200	script	utag.js:70	3.4 KB	195 ms
hotjar-810909.js?sv=5	GET	200	script	utag.js:70	2.9 KB	59 ms
js?id=AW-802145148	GET	200	script	utag.js:70	26.6 KB	59 ms
core.js	GET	200	script	utag.js:70	1.1 KB	19 ms
6943264cb9f011e9b0f1126a79efb69e.js	GET	200	script	utag.js:70	17.8 KB	22 ms
utag.138.js?utv=ut4.46.201909091005	GET	200	script	utag.js:70	6.4 KB	31 ms
utag.52.js?utv=ut4.46.201909251133	GET	200	script	utag.js:70	14.7 KB	31 ms
utag.139.js?utv=ut4.46.201801051144	GET	200	script	utag.js:70	1.6 KB	32 ms
utag.147.js?utv=ut4.46.201803221705	GET	200	script	utag.js:70	1.6 KB	32 ms
utag.292.js?utv=ut4.46.201803221657	GET	200	script	utag.js:70	1.6 KB	28 ms

This definitely makes your website look ugly.

- 4- Lack of identifiers to define types, product names, etc. These are two different things, the **identifier or name** and the **label or title** of a product.

```

var vm = this;
var fijo = false;
var aProd = vm.customerViewStore.info.product;
for (var i = 0; i < aProd.length; i++) {
  if (aProd[i].ospProductType === 'Telefonía Fija') {
    var aProdChar = aProd[i].productCharacteristic;
    for (var y = 0; y < aProdChar.length; y++) {
      if (aProdChar[y].name === 'Número teléfono fijo VoIP' && aProdChar[y].value == linea) {
        return true;
      }
    }
  }
}
return false;

```

## 5- Not minified/uglyfied source code files in production environment:

```
sources Network Security Performance Memory Application Security Audits
utag.js utag.24.js?utv=...2.201907311208 commons.js dashboardLine dashboardLine x
1
2
3 if (document.getElementsByTagName("figure")[0] != undefined) {
4     for (var i = document.getElementsByTagName("figure")[0].childNodes.length - 1; i >= 0; i--) {
5         if (document.getElementsByTagName("figure")[0].childNodes[i].tagName == "IMG" && document.getElementsByTagName("figure")[0].childNodes[i].getAttribute("alt")
6             document.cookie = "_nmc_n="+document.getElementsByTagName("figure")[0].childNodes[i].getAttribute("alt");
7             break;
8         }
9     }
10 } else if (window.location.href.toLowerCase().indexOf("tv") > -1){
11
12     function cambioCabecera (precios) {
13         var j = 0;
14         for (i in precios) {
15             document.getElementsByClassName('font-18 naranja t-left')[j].innerText = 'Por ' + precios[i].toFixed(2)
16             j++;
17         }
18     }
19
20     var aux = "";
21     if (document.cookie.substr(document.cookie.indexOf('_nmc_n')) !== '=') {
22         document.cookie.substr(document.cookie.indexOf('_nmc_n')).split(';')[0].split('Love ')[1];
23     } else {
24         aux = document.cookie.substr(document.cookie.indexOf('_nmc')).split(';')[0].split('Love ')[1].split('|')[0];
25     }
26     var precios = [];
27
28     if (aux !== undefined && aux.indexOf('Negocio') === -1) {
29         aux = aux.split(' ')[0];
30         precios['cys'] = 14.95;
31         precios['liga'] = 15.95;
32         precios['champions'] = precios['liga'];
33     } else {
34         if (aux !== undefined)
35             aux = aux.split(' ')[aux.length -1];
36         precios['cys'] = 12.4;
37         precios['liga'] = 13.2;
38         precios['champions'] = precios['liga'];
39     }
40     var oferta = ['cys + futbol', 'cys + champions', 'cys + futbol + champions', 'futbol + champions', 'cys', 'futbol'];
41     var segmentacion = [];
42     switch (aux) {
43         case 'Lite':
44             default:
45                 segmentacion = ['cys', 'liga', 'champions', 'liga + champions'];

```

## 6- Errors all around



Se ha producido un error, vuelve a intentarlo pasados unos minutos

- 7- Debugger statements in the code.
- 8- Nonsense console log statements.
- 9- Complete API exposed on the client side to the world, this can be more than insecure.
- 10- No coding standards, you either use variable\_name, for example URL\_Original, facturaunica, etc. Best practices say you should use a camelCase convention in all your code, except constants, etc. Look at Airbnb coding standards for example:  
<https://github.com/airbnb/javascript#naming-conventions>
- 11- Buggy code and lack of constants:

```

    },
    if (tipoCuenta.indexOf("NO ") == 0 && tipoCuenta.indexOf("SI ") == 0) {
        return 'MIXTO';
    }
    else if (tipoCuenta.indexOf("SI ") == 0) {
        return 'SI';
    }
    else if (tipoCuenta.indexOf("NO ") == 0) {
        return 'NO';
    }
    else {
        return '';
    }
}

```

12- No config file to define standards, constants, etc. Imagine that you have to refactor all your code, this is dangerous.

```

var CARACTERISTICA_BUSCAR_FIJO = 'Número teléfono fijo VoIP';
var CARACTERISTICA_BUSCAR_MOVIL = 'MSISDN';
var encontrados = [];
var cadena = '';
for (var i = 0; i < customerViewStore.info.product.length; i++) {
    if (customerViewStore.info.product[i].ospProductType === 'POSPAGO'
        || customerViewStore.info.product[i].ospProductType === 'PREPAGO'
        || customerViewStore.info.product[i].ospProductType === 'Telefonía Fija'
        || customerViewStore.info.product[i].ospProductType === 'Contrato Móvil'
        || customerViewStore.info.product[i].ospProductType === 'Acceso fijo & Internet') {
        var nombreCaracteristicaABuscar = void 0;
    }
}

```

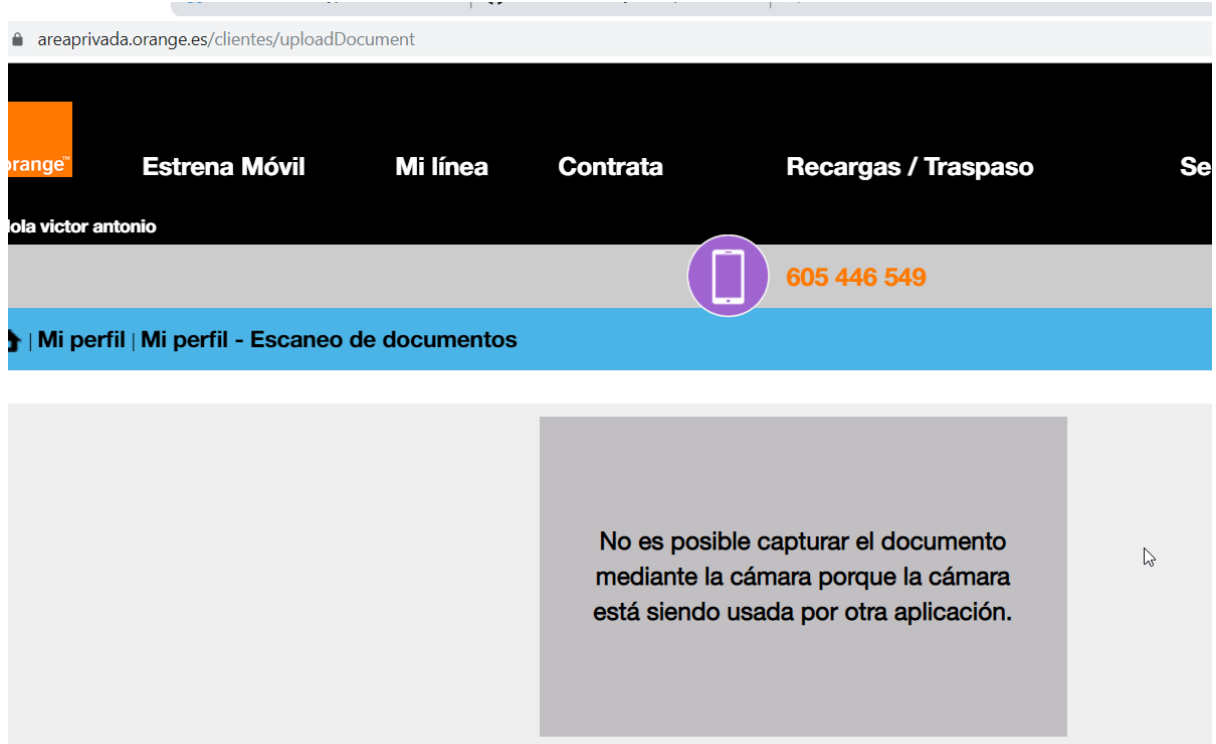
13- The system is not thought to support multi-language and if you keep growing you will never allow it.

14- Loading same libraries multiple times instead of only once globally.

The screenshot shows the Network tab in Chrome DevTools. The 'All' filter is selected, and two requests for 'jquery.min.v3.2.1.js' are visible. The first request is from the URL '/eContratoKycWeb/validacion/residencialmpv21jses...' and the second is from 'residencialmpv21?execution=e1s2'. Both requests are GET requests with a status of 200 and are of type 'script'.

Name	Method	Status	Type	Initiator	Size
jquery.min.v3.2.1.js	GET	200	script	/eContratoKycWeb/validacion/residencialmpv21jses...	
jquery.min.v3.2.1.js	GET	200	script	residencialmpv21?execution=e1s2	

15- In Chrome you can't add your identification document.



#### Algunos consejos para la captura

And if you get to add it the speed of the picture does not allow you to focus the picture, and I never got it to work in all 3 browsers, chrome, firefox, ie.

In theory it would be simpler to just upload a copy of your document, rather than try to detect customer's laptop camera which is buggy and is not working on your side.

16- I can't enter the personal address, it is not working.

17- Finally, the English site is a complete new website forcing you to multiply the efforts of your developers man hours \* 2 every time you want to make a change in the website.

18- ...

Por favor consideren el uso de buenas prácticas de software, revisión de código, que se programe en inglés, si tienen programadores junior que su código sea revisado por programadores seniors or arquitectos de software.

Mi recomendación sería:

- No exponer nunca las variables globales ya que ustedes son una compañía grande y necesita muchísima seguridad.
- No permitir que gente como yo te vea el código o por lo menos obfuscarlo/minificarlo. Obfuscate only the code that belongs to you: It is not recommended to obfuscate vendor scripts and polyfills, since the obfuscated code is 15-80% slower (depends on options) and the files are significantly larger. (<https://github.com/javascript-obfuscator/javascript-obfuscator#transformobjectkeys>)
- Incluir sólo un fichero de javascript, no tantos.

- Hay muchas formas de fácilmente dar soporte para múltiples idiomas en una aplicación web de cualquier complejidad. Sólo basta con buscar una solución, no crear dos sitios web diferentes.
- Lo último es que mientras mejor esté el sitio web, menos facturas tendrán de sus operadores telefónicos, por tanto, esto le ahorra dinero a la empresa. Ayer precisamente yo quería hacer todos mis trámites por el sistema suyo, desde la página web, subir mis documentos, cambiar mi dirección, cambiar mi plan, firmar otro contrato y no pude hacer nada, sólo llamar a un operador.

Aquí les dejo una frase famosa de Albert Einstein que me gusta mucho:

*Un problema no se soluciona con la misma lógica que usaste para identificarlo.*

Atentamente,

Victor Antonio Barzana Crespo

Senior Software Engineer

<https://www.linkedin.com/in/vbarzana/>

@Schmetterling GmbH (the biggest tour operator software provider of Germany)