

# Documentación de servicios REST expuestos por el backend

## Tabla de contenido

|          |  |          |
|----------|--|----------|
| <b>1</b> | <b>Manejo de Sesión.....</b>                         | <b>1</b> |
| 1.1      | Inicio de sesión .....                               | 1        |
| 1.1.1    | Caso exitoso .....                                   | 1        |
| 1.1.2    | Caso autenticación fallida .....                     | 2        |
| 1.2      | Cerrar sesión .....                                  | 2        |
| <b>2</b> | <b>Gestión de roles del sistema .....</b>            | <b>3</b> |
| 2.1      | Consulta de roles .....                              | 3        |
| <b>3</b> | <b>Gestión de usuarios del sistema .....</b>         | <b>4</b> |
| 3.1      | Crear usuario.....                                   | 4        |
| 3.2      | Consultar usuarios .....                             | 5        |
| 3.3      | Actualizar usuario .....                             | 5        |
| 3.4      | Eliminar usuario .....                               | 6        |
| <b>4</b> | <b>Flujo de restablecimiento de contraseña .....</b> | <b>6</b> |

## 1 Manejo de Sesión

### 1.1 Inicio de sesión

#### 1.1.1 Caso exitoso

Se hace una petición GET <http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user> utilizando autenticación básica.

La aplicación tiene como usuario administrador por defecto al siguiente usuario:

Username: admin

Password: admin

En JavaScript se debe enviar un header como sigue:

Authorization: Basic YWRtaW46YWRtaW4=

El valor de este header se obtiene concatenando la palabra “Basic” y el usuario y contraseña como sigue:

"Basic " + btoa(username + ":" + password)

Este es un ejemplo de la petición exitosa en la que se autenticó correctamente al usuario (se retornan los datos del usuario):

The screenshot shows a web browser with the URL `http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user` and a status code of 200. The browser's developer tools show the response body as a JSON object containing user details for 'admin'. The user interface shows the username 'admin' and a masked password. The browser's status bar shows the full URL and status code 200.

```
GET http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user 200
```

Headers: Basic Auth, OAuth 1, OAuth 2, S3 Signature, Custom

Username: admin

Password: \*\*\*\*\*

Charset: utf-8

```
1 HTTP/1.1 200
2 X-Content-Type-Options: nosniff
3 X-XSS-Protection: 1; mode=block
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate
5 Pragma: no-cache
6 Expires: 0
7 Set-Cookie: JSESSIONID=F8A5BE42606097A3696663244E2C475E;path=/;HttpOnly
8 Content-Type: application/json;charset=UTF-8
9 Transfer-Encoding: chunked
10 Date: Mon, 13 Feb 2017 17:58:16 GMT
11 Connection: close
12
13 [{"authorities":[{"authority":"ROLE_ADMIN"}], "details":
{"remoteAddress":"186.81.188.17", "sessionId":null, "authenticated":true, "principal":
{"password":null, "username":"admin", "authorities":
[{"authority":"ROLE_ADMIN"}], "accountNonExpired":true, "accountNonLocked":true, "credent
ialNonExpired":true, "enabled":true}, "credentials":null, "name":"admin"}]
```

```
1 GET /user HTTP/1.1
2 Authorization: Basic YWltYW46YWRtaW4=
3 Cookie: JSESSIONID=F8A5BE42606097A3696663244E2C475E
4 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080
5 Connection: close
6 User-Agent: Paw/3.0.15 (Macintosh; OS X/10.12.2)
7 GCDHTTPRequest
8
9
10
```

### 1.1.2 Caso autenticación fallida

The screenshot shows a web browser with the URL `http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user` and a status code of 401. The browser's developer tools show the response body as a JSON object indicating an unauthorized access. The user interface shows the username 'admin12' and a masked password. The browser's status bar shows the full URL and status code 401.

```
GET http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user 401
```

Headers: Basic Auth, OAuth 1, OAuth 2, S3 Signature, Custom

Username: admin12

Password: \*\*\*\*\*

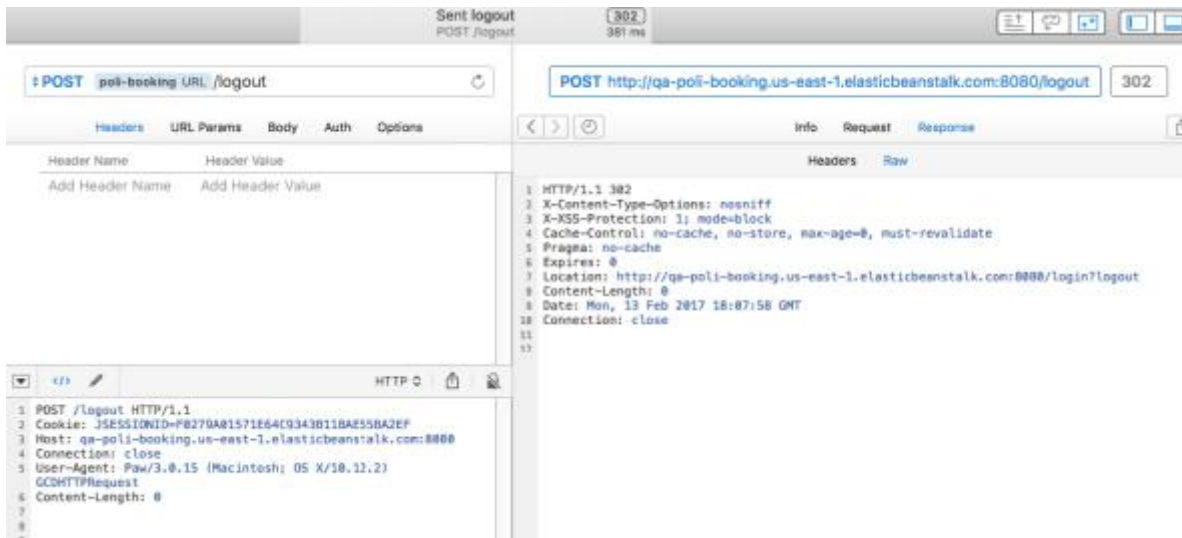
Charset: utf-8

```
1 HTTP/1.1 401
2 X-Content-Type-Options: nosniff
3 X-XSS-Protection: 1; mode=block
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate
5 Pragma: no-cache
6 Expires: 0
7 WWW-Authenticate: Basic realm="Realm"
8 Content-Type: application/json;charset=UTF-8
9 Transfer-Encoding: chunked
10 Date: Mon, 13 Feb 2017 18:04:08 GMT
11 Connection: close
12
13 [{"timestamp":1487000848687, "status":401, "error":"Unauthorized", "message":"Bad
credentials", "path":"/user"}]
```

```
1 GET /user HTTP/1.1
2 Authorization: Basic YWRtaW4xMjphZG1pbG==
3 Cookie: JSESSIONID=F8279A01571E64C93438118AE558A2EF
4 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080
5 Connection: close
6 User-Agent: Paw/3.0.15 (Macintosh; OS X/10.12.2)
7 GCDHTTPRequest
8
9
10
```

### 1.2 Cerrar sesión

Basta con hacer una petición POST a `/logout`



## 2 Gestión de roles del sistema

### 2.1 Consulta de roles

Se tienen 3 roles:

- ADMIN: corresponde a los usuarios administradores
- FACULTY\_OR\_STAFF: corresponde a los usuarios profesores o empleados de la institución
- STUDENT: corresponde a los estudiantes

En la respuesta de este servicio hay que tomar nota de la URL que identifica a cada rol ya que esta URL tiene que informarse al momento de crear el usuario más adelante.

Sent get roles  
GET /api/roles 200 679 ms

GET [poli-booking URL](#) /api/roles

Headers URL Params Body Auth Options

Text JSON Form URL-Encoded Multipart File

Info Request Response

Headers JSON Raw

```

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```

1 GET /api/roles HTTP/1.1  
2 Cookie: JSESSIONID=85B24A3119C64549B5A5A8A676418C4F  
3 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080  
4 Connection: close  
5 User-Agent: Paw/3.0.15 (Macintosh; OS X/10.12.2) GCDHTTPRequest

1 HTTP/1.1 200  
2 X-Content-Type-Options: nosniff  
3 X-XSS-Protection: 1; mode=block  
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
5 Pragma: no-cache  
6 Expires: 0  
7 Content-Type: application/hal+json; charset=UTF-8  
8 Transfer-Encoding: chunked  
9 Date: Mon, 13 Feb 2017 18:09:54 GMT  
10 Connection: close

```

13 {
14   "_embedded": {
15     "roles": [ {
16       "type": "ADMIN",
17       "_links": {
18         "self": {
19           "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/1"
20         },
21       "roleEntity": {
22         "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/1"
23       }
24     }, {
25       "type": "FACULTY_OR_STAFF",
26       "_links": {
27         "self": {
28           "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/2"
29         },
30       "roleEntity": {
31         "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/2"
32       }
33     }, {
34       "type": "STUDENT",
35       "_links": {
36         "self": {
37           "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/3"
38         },
39       "roleEntity": {
40         "href": "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/roles/3"
41       }
42     }
43   ]
44 },
45 "links": {
46

```

### 3 Gestión de usuarios del sistema

#### 3.1 Crear usuario

Sent create user  
POST /api/users 201 1.08 s, 155 bytes

POST [poli-booking URL](#) /api/users

Headers URL Params Body Auth Options

Text JSON Form URL-Encoded Multipart File

Info Request Response

Headers Raw

| Key or Index                                 | Type     | Value                                    |
|--|----------|--|
| Root   | 6 Items  |  |
| <input checked="" type="checkbox"/> username | A        | admin2                                   |
| <input checked="" type="checkbox"/> password | A        | admin                                    |
| <input checked="" type="checkbox"/> fullName | A        | Antonio                                  |
| <input checked="" type="checkbox"/> email    | A        | acpatemina@poli.edu.co                   |
| <input checked="" type="checkbox"/> roles    | 1 Item   |  |
| <input checked="" type="checkbox"/> index 0  | A        | http://localhost:8080/api/roles/1        |
| <input checked="" type="checkbox"/> active   | checkbox | <input checked="" type="checkbox"/> true |

1 POST /api/users HTTP/1.1  
2 Content-Type: application/json; charset=utf-8  
3 Cookie: JSESSIONID=85B24A3119C64549B5A5A8A676418C4F  
4 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080  
5 Connection: close  
6 User-Agent: Paw/3.0.15 (Macintosh; OS X/10.12.2) GCDHTTPRequest  
7 Content-Length: 155

```

8 {
9   "username": "admin2", "password": "admin", "fullName": "Antonio", "email": "acpatemina@poli.edu.co", "roles": [ "http://localhost:8080/api/roles/1" ], "active": true
10 }
11

```

1 HTTP/1.1 201  
2 X-Content-Type-Options: nosniff  
3 X-XSS-Protection: 1; mode=block  
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
5 Pragma: no-cache  
6 Expires: 0  
7 Location: http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/2  
8 Content-Length: 0  
9 Date: Mon, 13 Feb 2017 18:12:45 GMT  
10 Connection: close

### 3.2 Consultar usuarios

The screenshot shows a web browser window with the address bar displaying `http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users`. The status bar indicates a 200 OK response. The browser's developer tools are open, showing the network tab with a single request. The request is a GET to `/api/users`. The response is a JSON array of two user objects. The first user is 'admin' with email 'test2342342342@gmail.com'. The second user is 'admin2' with email 'acpatemina@poli.edu.co'. Both users are active and have a role of 'http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/1/roles'.

```
1 GET /api/users HTTP/1.1
2 Cookie: JSESSIONID=05824A3119C6454985A5A8A67641BC4F
3 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080
4 Connection: close
5 User-Agent: Paw/3.8.15 (Macintosh; OS X/10.12.2) GCDHTTPRequest
6
7
8
9
```

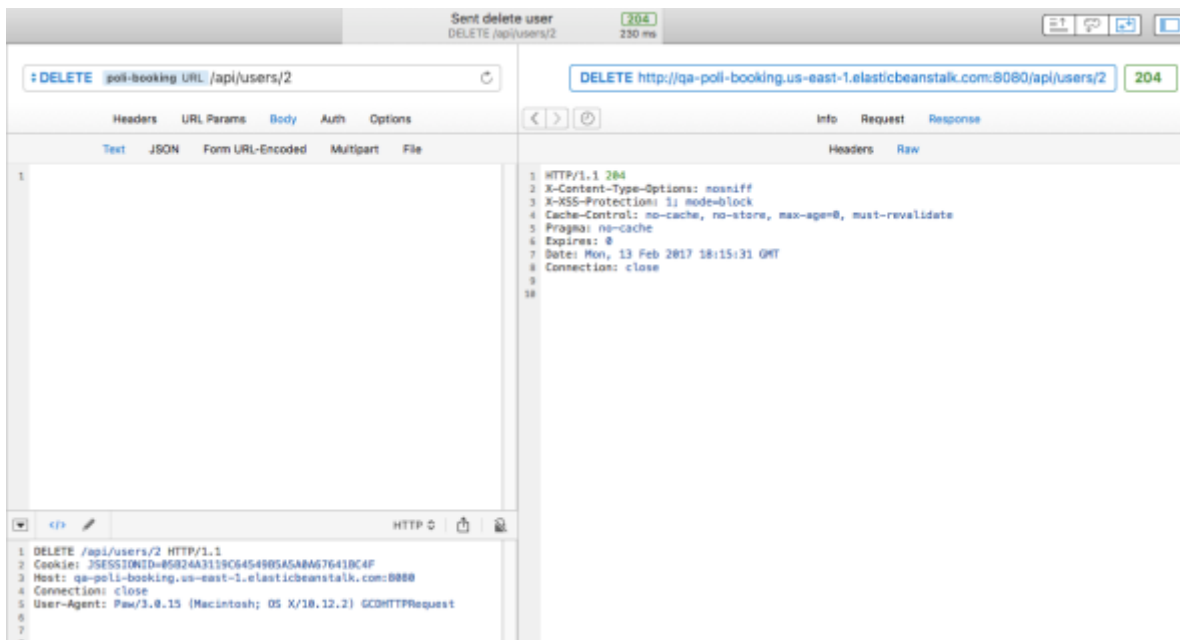
```
1 HTTP/1.1 200
2 X-Content-Type-Options: nosniff
3 X-XSS-Protection: 1; mode=block
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate
5 Pragma: no-cache
6 Expires: 0
7 Content-Type: application/hal+json; charset=utf-8
8 Transfer-Encoding: chunked
9 Date: Mon, 13 Feb 2017 18:13:20 GMT
10 Connection: close
11
12 {
13   "_embedded" : {
14     "users" : [ {
15       "username" : "admin",
16       "fullName" : "Admin",
17       "email" : "test2342342342@gmail.com",
18       "active" : true,
19       "_links" : {
20         "self" : {
21           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/1"
22         },
23         "userEntity" : {
24           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/1"
25         },
26         "roles" : {
27           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/1/roles"
28         }
29       }
30     }, {
31       "username" : "admin2",
32       "fullName" : "Antonio",
33       "email" : "acpatemina@poli.edu.co",
34       "active" : true,
35       "_links" : {
36         "self" : {
37           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/2"
38         },
39         "userEntity" : {
40           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/2"
41         },
42         "roles" : {
43           "href" : "http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/2/roles"
44         }
45       }
46     }
47   ]
48 }
```

### 3.3 Actualizar usuario

The screenshot shows a web browser window with the address bar displaying `http://qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/api/users/1`. The status bar indicates a 204 OK response. The browser's developer tools are open, showing the network tab with a single request. The request is a PATCH to `/api/users/1`. The response is a 204 OK status. The browser's console shows the following log:

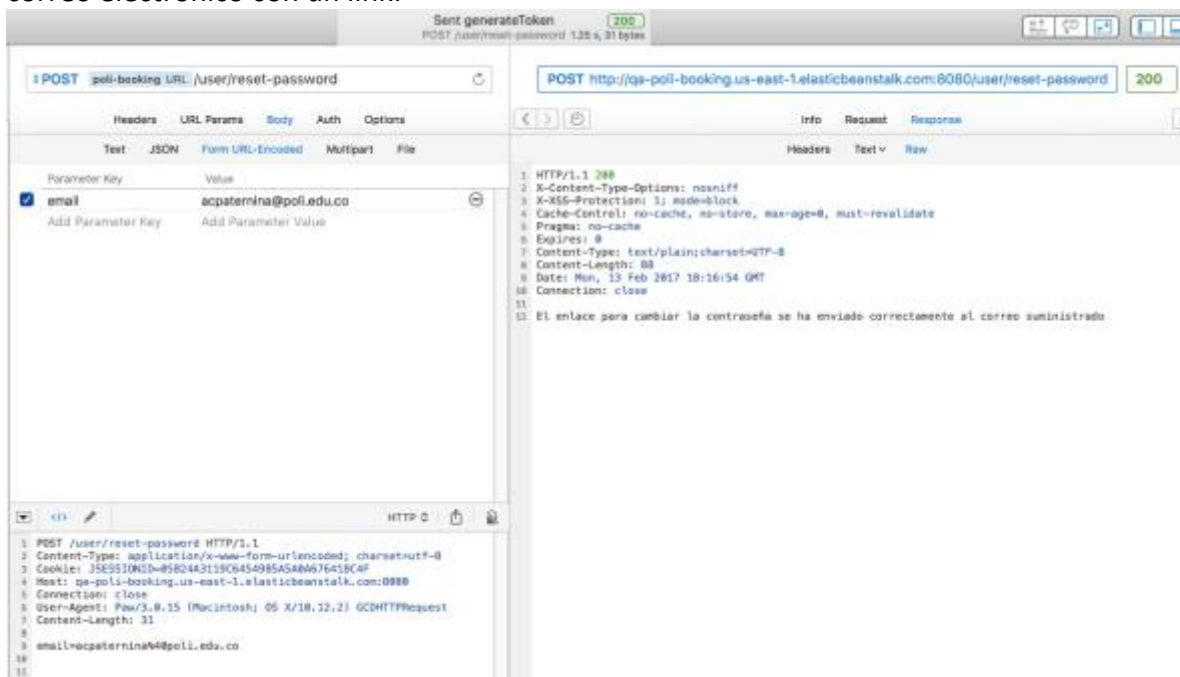
```
1 PATCH /api/users/1 HTTP/1.1
2 Content-Type: application/json; charset=utf-8
3 Cookie: JSESSIONID=05824A3119C6454985A5A8A67641BC4F
4 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080
5 Connection: close
6 User-Agent: Paw/3.8.15 (Macintosh; OS X/10.12.2) GCDHTTPRequest
7 Content-Length: 164
8
9 { "username": "admin", "password": "admin", "fullName": "Antonio
10 Patemina", "email": "acpatemina@poli.edu.co", "roles": [ "http://
11 localhost:8080/api/roles/1"], "active": true }
```

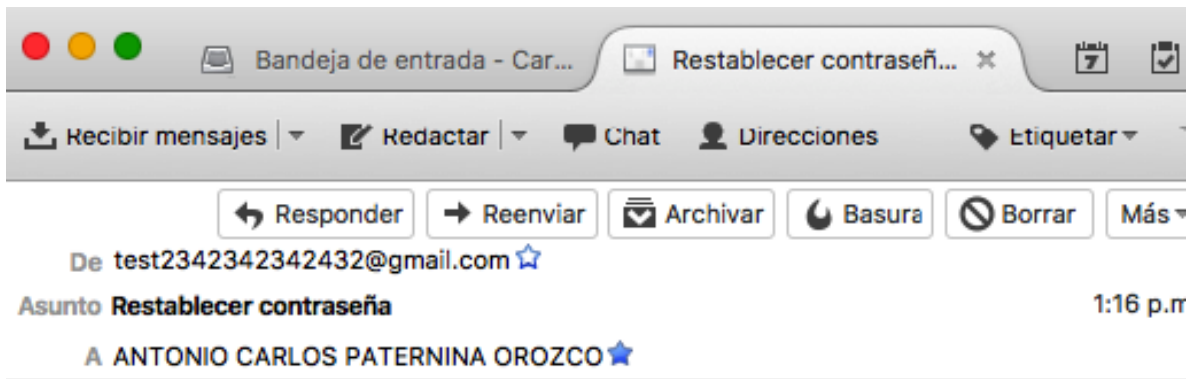
### 3.4 Eliminar usuario



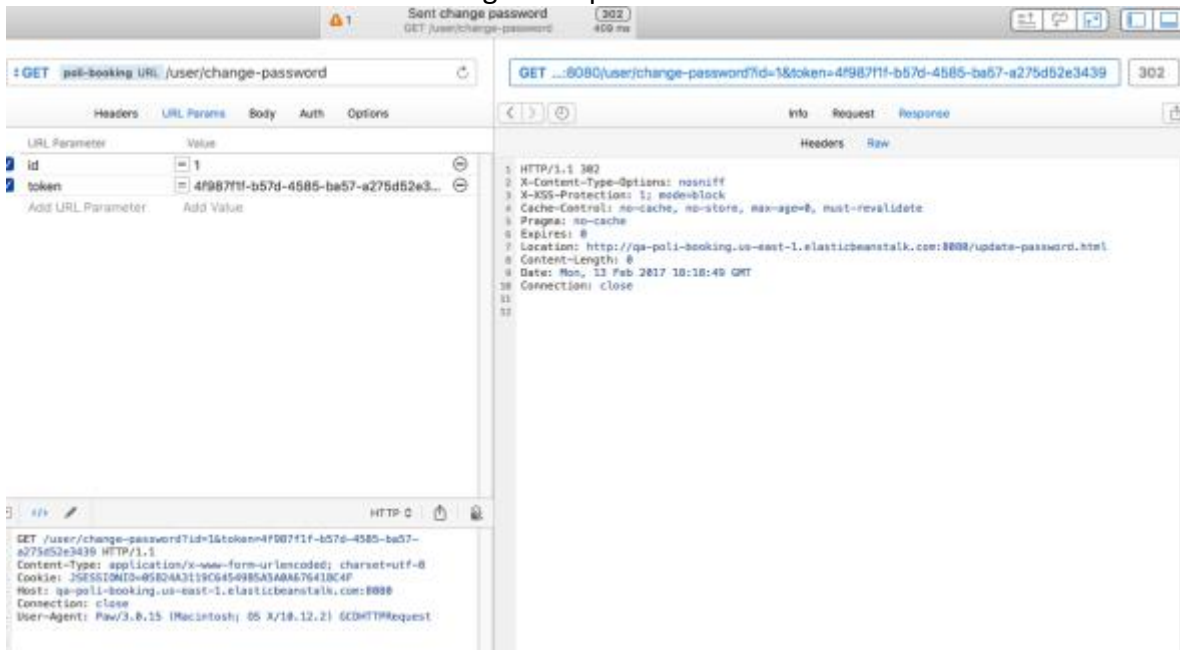
### 4 Flujo de restablecimiento de contraseña

Se debe enviar en una petición POST el correo. Este servicio se encarga de enviar un correo electrónico con un link:





Al hacer clic en ese link se activa la siguiente petición:



Esta respuesta redirige al usuario a <http://qa-poli-booking.us-east-1.elasticbeanstalk.com:3080/update-password.html>

En esta ubicación deberá estar un formulario para ingresar la nueva contraseña. Esa nueva contraseña se debe enviar en la siguiente petición:

Sent save...password (200)  
POST /user/save-password 566 ms, 10 bytes

POST qa-poli-booking.us-east-1.elasticbeanstalk.com:8080/user/save-password 200

HeadersURL ParamsBodyAuthOptions

TestJSONForm-URL-EncodedMultipartFile

| Parameter Key | Value  |
|---------------|--------|
| new-password  | admin2 |

Add Parameter KeyAdd Parameter Value

InfoRequestResponse

HeadersTextRaw

```
1 HTTP/1.1 200
2 X-Content-Type-Options: nosniff
3 X-XSS-Protection: 1; mode=block
4 Cache-Control: no-cache, no-store, max-age=0, must-revalidate
5 Pragma: no-cache
6 Expires: 0
7 Content-Type: text/plain; charset=UTF-8
8 Content-Length: 42
9 Date: Mon, 13 Feb 2017 16:28:38 GMT
10 Connection: close
11
12 La contraseña se ha cambiado exitosamente
```

HTTP 200

```
1 POST /user/save-password HTTP/1.1
2 Content-Type: application/x-www-form-urlencoded; charset=utf-8
3 Cookie: JSESSIONID=05824A3119C6454985A5A84676418C4F
4 Host: qa-poli-booking.us-east-1.elasticbeanstalk.com:8080
5 Connection: close
6 User-Agent: Pow/3.0.15 (Macintosh; OS X/16.12.2) GCDHTTPRequest
7 Content-Length: 10
8
9 new-password=admin2
10
11
```