

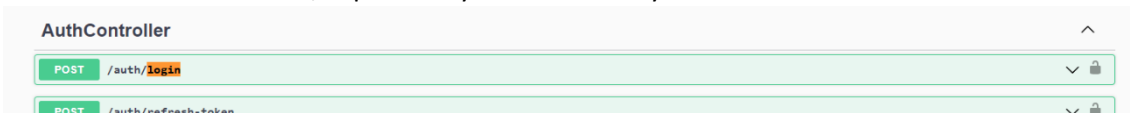
Desbloqueo de API (Login)

- Ir a url asignada y entrar al explorer

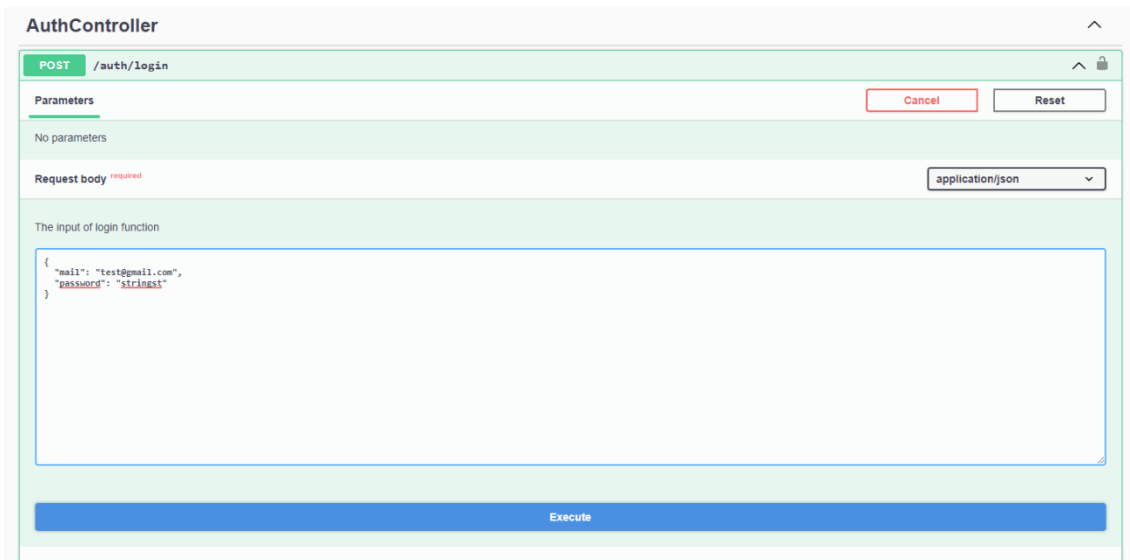
OpenAPI spec: [/openapi.json](#)

API Explorer: [/explorer](#)

- Buscar el AuthController, expandirlo y clicar en “Try it out”



- Completar con los campos de acceso de la cuenta asignada y clicar en “Execute”



- Si hemos ingresado datos correctos la respuesta tendrá status 200 y obtendremos así nuestro Token para desbloquear las funcionalidades de la web

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/auth/login' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "email": "test@gmail.com",
    "password": "myfacil"
  }'
```

Request URL

http://127.0.0.1:8000/auth/login

Server response

Code Details

200

Response body

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVC99.eyJub21icmUiOiJURVNUbWU1IiwiaXkiOiJzLCJ0eWVudSI6IjoiZGVzZEBnbmFpbC5jb28iLCJyb2x1IjoiaWRTaW4iLCJpYXQiOiJlZ2NDa3NjQWQsInV4cCI6IjI0MTY0MDc4OTIwMD0.tS2-CK18-Rbk3IXeHfxb7OerKstUNRjDixsbmTxsco"
}
```

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
connection: keep-alive
content-length: 224
content-type: application/json
date: Wed, 29 Dec 2021 07:46:44 GMT
keep-alive: timeout=5
x-powered-by: Express
```

Responses

Code	Description	Links
200	Token	No links

Media type

application/json

Controls Accept header

Example Value | Schema

- Copiamos el token anteriormente obtenidos

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVC99.eyJub21icmUiOiJURVNUbWU1IiwiaXkiOiJzLCJ0eWVudSI6IjoiZGVzZEBnbmFpbC5jb28iLCJyb2x1IjoiaWRTaW4iLCJpYXQiOiJlZ2NDa3NjQWQsInV4cCI6IjI0MTY0MDc4OTIwMD0.tS2-CK18-Rbk3IXeHfxb7OerKstUNRjDixsbmTxsco"
}
```

- Subimos al inicio de la página y damos click en “Authorize”

Pim API

Servers

http://127.0.0.1:8000

Authorize

Filter by tag

AtributosController

- Pegamos nuestro token en el campo y damos click al nuevo botón de “Authorize”

Available authorizations

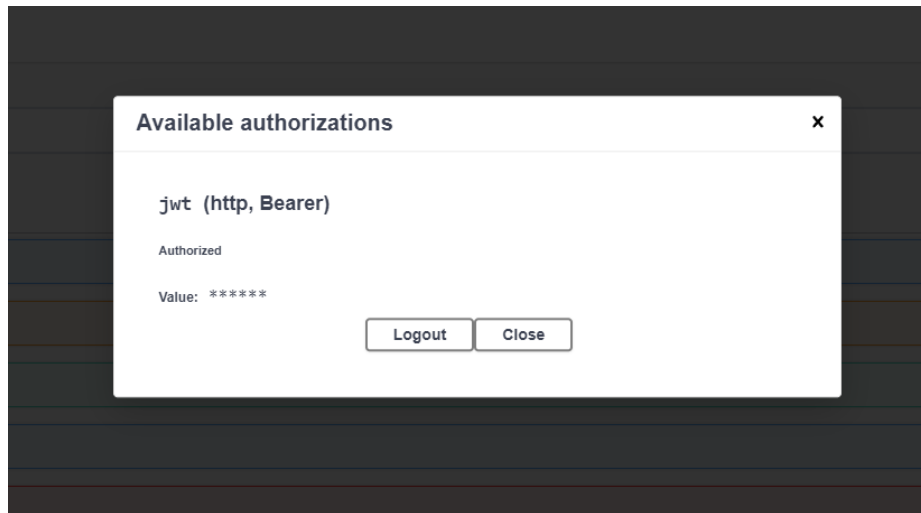
jwt (http, Bearer)

Value:

rb7OerKstUNRjDixsbmTxsco

Authorize Close

- Damos click en Close y ya tendremos desbloqueada la página para su utilización



Ya tienes desbloqueada la API para su utilización

Métodos API

- Primero que nada se necesita ya estar logeado
- Al dar click en cualquier método se expandirá con los datos ejemplo y datos necesario

PUT

/usuarios/{id}

⌵ 🔒

Parameters

Try it out

Name	Description
id * required number (path)	<input type="text" value="id"/>

Request body

application/json ⌵

Example Value | Schema

```
{
  "id": 0,
  "empresaId": 0,
  "nombre": "string",
  "mail": "string",
  "activoSn": "string",
  "telefono": "string",
  "avatar": "string",
  "password": "string",
  "role": "string"
}
```

Responses

Code	Description	Links
204	No Content	No links

Media type

application/json ⌵

Controls Accept header.

Example Value | Schema

```
"string"
```

- Al dar click en “Try it out” se habilitará la ejecución y nos dejará ingresar los datos requeridos que se esperan para realizar la llamada y también los opcionales:

id * required
number
(path)

Request body

```
{
  "id": 0,
  "empresaId": 0,
  "nombre": "string",
  "mail": "string",
  "activoSn": "string",
  "telefono": "string",
  "avatar": "string",
  "password": "string",
  "role": "string"
}
```

- Completamos los datos y damos click en “Execute”:

id * required

number

(path)

Request body

```
{  "id": 2,  "empresaid": 1,  "nombre": "Usuario test",  "mail": "test@test.com",  "activoSn": "S",  "telefono": "666777888",  "avatar": "https://static1.abc.es/media/economia/2019/10/07/jamon-kDtF--1200x630@abc.jpg",  "password": "contraseña",  "role": "admin"}  
```

Execute

- Al hacerlo se mostrará un apartado debajo que nos mostrará la respuesta de la API frente a nuestra llamada, que puede ser cualquier estado de respuesta HTTP (más info en: <https://developer.mozilla.org/es/docs/Web/HTTP/Status>:

EJEMPLO ERROR (con código, nombre y mensaje)

Responses

Curl

```
curl -X 'PUT' \  http://localhost:8000/usuarios/2' \  -H 'accept: application/json' \  -H 'content-type: application/json' \  -d '{  "id": 2,  "empresaid": 1,  "nombre": "Usuario test",  "mail": "test@test.com",  "activoSn": "S",  "telefono": "666777888",  "avatar": "https://static1.abc.es/media/economia/2019/10/07/jamon-kDtF--1200x630@abc.jpg",  "password": "contraseña",  "role": "admin"}  '
```

Request URL

http://localhost:8000/usuarios/2

Server response

Code

Details

401

Undocumented

Error: Unauthorized

Response body

```
{  "error": {    "statusCode": 401,    "name": "UnauthorizedError",    "message": "Authorization is missing"  }  }
```

Response headers

```
access-control-allow-credentials: true  access-control-allow-origin: *  connection: keep-alive  content-length: 92  content-type: application/json; charset=utf-8  date: Wed, 05 Jan 2022 09:47:51 GMT  keep-alive: timeout=5  x-content-type-options: nosniff  x-powered-by: Express
```

Responses

EJEMPLO ÉXITO

Responses

Curl

```
curl -X 'PUT' \
'http://localhost:8000/usuarios/2' \
-H 'accept: application/json' \
-H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJub21icmUiOiJURVVUMjIsImkiOiJrCjYwYVl5IjoideEbnWpbc5jb201LCY6Zmx1Zjo1YWRTam41LCPyYXQ1OjE2NDExMzYyNzgsImV4CCIGYVMTK4MTA3OH0.6TYVA-UUGcd' \
-H 'Content-Type: application/json' \
-d '{
  "id": 2,
  "empresaid": 1,
  "nombre": "Usuario test",
  "mail": "test@test.com",
  "activoSN": "S",
  "telefono": "666777888",
  "avatar": "https://static1.abc.es/media/economia/2019/10/07/jamon-kDtf--1280x630@abc.jpg",
  "password": "contrase\u00f1a",
  "role": "admin"
}'
```

<

Request URL

```
http://localhost:8000/usuarios/2
```

Server response

Code

Details

204

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
connection: keep-alive
date: Wed, 05 Jan 2022 09:54:19 GMT
keep-alive: timeout=5
x-powered-by: Express
```

Responses

EJEMPLO POST:

POST

/usuarios

Parameters

Try it out

No parameters

Request body

application/json

Example Value

Schema

```
{  "empresaid": 0,  "nombre": "string",  "mail": "string",  "activoSn": "string",  "telefono": "string",  "avatar": "string",  "password": "string",  "role": "string"}
```

Responses

Code	Description	Links
200	Usuarios model instance	No links

Media type

application/json

Controls Accept header

Example Value

Schema

```
{  "id": 0,  "empresaid": 0,  "nombre": "string",  "mail": "string",  "activoSn": "string",  "telefono": "string",  "avatar": "string",  "password": "string",  "role": "string"}
```

Completamos campos

Request body

```
{
  "empresaId": 1,
  "nombre": "Usuario test creation",
  "mail": "test2@test.com",
  "activo": "S",
  "telefono": "666777888",
  "avatar": "",
  "password": "contraseña2",
  "role": "admin"
}
```

Execute

Ejecutamos

Responses

Curl

```
curl -X "POST" \
    http://localhost:8080/users \
    -H 'accept: application/json' \
    -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpwC39yY2llbmF0IiwiaWF0IjoiMTUxMDEzMjE1OTQyMDZlcyB2cl1jaWVudDpmcm9kaS1jb2N0eXNyYnpsImwiOjI6MTg0YTktNTA3OWYTA3OGRlc3RhcnQiLCJ1dWkiOiJhdm9udGVudCJ9eyJpc2UiOiJkb2N0eXNyYnpsImwiOjI6MTg0YTktNTA3OWYTA3OGRlc3RhcnQiLCJ1dWkiOiJhdm9udGVudCJ9' \
    -H 'Content-Type: application/json' \
    '{
      "empresaid": 1,
      "password": "usuario test creation",
      "mail": "test@test.com",
      "activation": "5",
      "telefono": "666777888",
      "avatar": "",
      "password": "contrase\u00f1a2",
      "role": "admin"
    }'
```

Request URL

<http://localhost:8000/usuarios>

Server response

Code	Details
------	---------

200

Response body

```
{
  "id": 4,
  "empresaId": 1,
  "nombre": "Usuario test creation",
  "mail": "test@test.com",
  "activoEn": "S",
  "telefono": "666777888",
  "avatar": "",
  "password": "$2$10$6YA3iRw0adX0dMzNBg/.0n1adVuyqRQKQ/rQ7TZKE3i26mak.k",
  "role": "admin"
}
```

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
connection: keep-alive
content-length: 218
content-type: application/json
date: Wed, 05 Jan 2022 09:57:40 GMT
keep-alive: timeout=5
x-powered-by: Express
```

Usuario creado

Ejemplo para error (no pasamos empresald a propósito)

request body

```
{
  "nombre": "Usuario test creation",
  "mail": "test2@test.com",
  "activo": "S",
  "telefono": "666777888",
  "avatar": "",
  "password": "contraseña2",
  "role": "admin"
}
```

Execute

Obtenemos un error en la respuesta que en detalles nos indica que nos falta una propiedad que es requerida y de nombre empresald

Code

Details

422
Undocumented

Error: Unprocessable Entity

Response body

```
{
  "error": {
    "statusCode": 422,
    "name": "UnprocessableEntityError",
    "message": "The request body is invalid. See error object 'details' property for more info.",
    "code": "VALIDATION_FAILED",
    "details": [
      {
        "path": "",
        "code": "required",
        "message": "must have required property 'empresald'",
        "info": {
          "missingProperty": "empresald"
        }
      }
    ]
  }
}
```

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
connection: keep-alive
content-length: 314
content-type: application/json; charset=utf-8
date: Wed, 05 Jan 2022 09:59:41 GMT
keep-alive: timeout=5
x-content-type-options: nosniff
x-powered-by: Express
```

Responses

EJEMPLO GET:

GET

/usuarios

Parameters

Cancel

Name	Description
filter object <small>(query)</small>	<pre>{ "where": { "nombre": {"like": "%test%" } }</pre>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \  
  'http://localhost:8080/usuarios?filter={\"where\":{\"nombre\":{\"like\":\"%test%\"}}}' \  
  -H 'accept: application/json' \  
  -H 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9eyJub21icmUiOiJURVNUMiIsImkiOiJlClFvmlstjoidGVzdENbmWpbc5jb2xlcyBxZXRjaWVudG91bnQ1IlCjpyXqiojEzNDkzYyYwNzgsbm44cC1GNTYwMTk4MTA3OHQsGTYyVA-UUGcd' \  
<div></div>
```

Request URL

http://localhost:8080/usuarios?filter={\"where\":{\"nombre\":{\"like\":\"%test%\"}}}'

Server response

Code	Details
200	

Ponemos los filtros que queramos, en éste caso le indicamos que el nombre del usuario contenga “est” y ejecutamos

The screenshot displays a REST client interface with the following details:

- Request URL:** `http://localhost:8000/usuarios?filter=-X7b50AX2oZx2o2zwhereCg22X3AZ2oX7b50AX2oZ2o2z2o2z2nombrec22X3AX2oZ7oE221lkeA22X3AZ22X25es1X25S2Z2o7oU0AAZ2oZC27oU0AAZ7oU0AA`
- Server response:** Indicated by a green status bar.
- Code:** 200
- Details:** A tab labeled "Response body" is active, showing a JSON array of three user objects:

```
[{"avatar": "https://static1.abcl.es/media/economia/2019/10/07/jamon-kotr--1200x630@abc.jpg", "password": "contrase\u00f1a", "role": "admin"}, {"id": 3, "empresaid": 1, "nombre": "test2", "mail": "test2@gmail.com", "activo": "s", "telefono": "string", "avatar": "string", "password": "$2a$10$AX5Hw/K/5917zdelazKmO821L5vzfAoZ7boPmAbQr214ggTXQ2", "role": "admin"}, {"id": 4, "empresaid": 1, "nombre": "usuario test creation", "mail": "test2@test.com", "activo": "s", "telefono": "666777888", "avatar": "", "password": "$2a$10$GvjzRw0adX0drt3BHG/.On1adtVuywhqK/rq7T2KEjz6Emk.K", "role": "admin"}]
```
- Response headers:** A tab labeled "Response headers" is active, displaying the following metadata:

```
access-control-allow-credentials: true
access-control-allow-origin: *
connection: keep-alive
content-length: 663
content-type: application/json
date: wed, 06 jan 2022 12:25:19 GMT
keep-alive: timeout=5
x-powered-by: Express
```
- Responses:** A section at the bottom for additional response tabs.

Obtenemos los usuarios

Api basada en Loopback4, para más información lea documentación en:
<https://loopback.io/doc/en/lb4/>