

1- ROLES

Los roles sirven para limitar el acceso a los endpoints.

El usuario **viewer** solo puede tiene derecho a ver los clientes y obtener un cliente por id.

El usuario **admin** puede hacer todo el CRUD completo de los clientes, además de ver los usuarios y crear nuevos usuario.

GET /v1/roles

Response

```
{
  "response_id": "3fb788b9-c0e9-41ef-a3e0-5ee46629770e",
  "path": "/v1/roles",
  "method": "post",
  "request": 1754689054.0,
  "msg": "list of roles",
  "api-version": "v1",
  "status": "ok",
  "service": "FALCON-API",
  "data": [
    {
      "id": "594d69e5-7463-438f-ae5c-869212c440d5",
      "name": "admin"
    },
    {
      "id": "e13b650c-f142-4fa5-b09c-dccc2585b763",
      "name": "viewer"
    }
  ]
}
```

2- USUARIOS

Deben existir usuarios para poder acceder a los endpoints. Por lo que por defecto se crean los siguientes:

Email: admin@challenge.com

Password: "123456789"

Email: viewer@challenge.com

Password: "123456789"

GET /v1/users

Response

```
{
  "response_id": "692efed0-7943-434d-8325-36209b132942",
  "path": "/v1/users",
  "method": "get",
  "request": 1754689569.0,
  "msg": "list of users",
  "api-version": "v1",
  "status": "ok",
  "service": "FALCON-API",
  "data": {
    "items": [
      {
        "status": "active",
        "created_at": "2025-08-08T20:35:11.598945",
        "updated_at": "2025-08-08 20:35:11.598945",
```

```
"role": {
  "id": "e13b650c-f142-4fa5-b09c-dccc2585b763",
  "name": "viewer"
},
"email": "viewer@challenge.com",
"id": "6335c695-1579-4b25-8dab-db937b986aea",
"lastname": "viewer",
"cellphone": "123456789",
"name": "viewer"
},
{
  "status": "active",
  "created_at": "2025-08-08T20:35:11.562906",
  "updated_at": "2025-08-08 20:35:11.562906",
  "role": {
    "id": "594d69e5-7463-438f-ae5c-869212c440d5",
    "name": "admin"
  },
  "email": "admin@challenge.com",
  "id": "32c8f4bb-690a-4682-9bce-4ef668b48d5b",
  "lastname": "admin",
  "cellphone": "123456789",
  "name": "admin"
}
],
"page": 1,
```

```
    "per_page": 10,  
    "total_pages": 1,  
    "total_items": 2  
  }  
}
```

CREATE USERS

POST /v1/users

Request

```
{  
  "timestamp": "828282882",  
  "api_version": 1,  
  "data": {  
    "name": "ignacio",  
    "lastname": "tamayo",  
    "password": "123456789",  
    "email": "tamayo_144@hotmail.com",  
    "cellphone": "999-999-8888",  
    "role_id": "8b39a313-3a2f-4bd1-9eea-5629ce5d78e1"  
  }  
}
```

Response

```
{  
  "response_id": "ee017dd6-37da-4002-b46d-4cb42bede63e",  
  "path": "/v1/users",
```

```
"method": "post",
"request": 1532275001,
"msg": "created",
"api-version": "v1",
"status": "ok",
"service": "FALCON-API",
"data": {
  "status": "active",
  "email": "tamayo_144@hotmail.com",
  "cellphone": "999-999-8888",
  "role": {
    "id": "8b39a313-3a2f-4bd1-9eea-5629ce5d78e1",
    "name": "Estudiante"
  },
  "name": "ignacio",
  "lastname": "tamayo",
  "created_at": "2018-07-22T15:56:44.036111+00:00",
  "updated_at": "2018-07-22 15:56:44.036111",
  "id": "bc2fc18a-9ca3-4bda-8e96-4563fd9ce682"
}
```

3- LOGIN

El access_token se debe añadir a la cabecera HTTP Authorization:

Authorization: Bearer token

tiene un tiempo de vida de 15 minutos.

El refresh_token sirve para generar otro token sin la necesidad de usuario y

contraseña.

POST /v1/oauth/token

Ejemplo:

Request

```
{  
  "grant_type": "password",  
  "email": "admin@challenge.com",  
  "password": "123456789"  
}
```

Response

```
{  
  "response_id": "c199f30b-bd70-4bc4-83ea-41adab9e2326",  
  "path": "/v1/oauth/token",  
  "method": "post",  
  "request": 1754691358.0,  
  "msg": "token created",  
  "api-version": "v1",  
  "status": "ok",  
  "service": "FALCON-API",  
  "data": {  
    "user_id": "32c8f4bb-690a-4682-9bce-4ef668b48d5b",  
    "role_id": "594d69e5-7463-438f-ae5c-869212c440d5",  
    "refresh_token_expires_in": 1754864157,  
    "issued_at": 1754691357,  
    "access_token":  
    "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzUxMiJ9.eyJ1c2VyX2lkIjoibmZjOGY0YmItNjkwYS00NjgyLTliY2UtNGVmNjY4YjQ4ZDViliwicm9sZSI6IjU5NGQ2OWU1LTc0NjMtNDM4Zi1hZTV"
```

jLTg2OTIxMmM0NDBkNSIsInJvbGVfbmFtZSI6ImFkbWluliwiZXhwljoxNzU0NjkyMjU3LC
JpYXQiOjE3NTQ2OTEzNTcslmF1ZCI6ImNoYWxsZW5nZSIsImZcyL6liIsInR5cGUiOiJhY2
Nlc3NfdG9rZW4ifQ.lmfNFK2hRbVSu8FajtHIdA1Y39C3YqfW1tq1WYd4ISyHTwb7BhGI
SpwOBkNb5XJ1nQBamXSce43bTM0sJxfozObuZ0ZKSWawVKBia6QxfFeGRWWYSK42
AseQaRRcHREhuM7MUjORYCadEPfZQqkleLIFH_4lhDxvMcl9paflAGnTez_3CrqL3rxLTd
Gciqsyy0GuRlMP4vLuGKexM7ltm1SqkpfqhVbXTHbSWvihJ26ZfovluyKWdNc7cHtlcq3
8J4sxttLDjDNOOG794O-l0CntmysLyg7Rs4SZzoUB4d_iwzYmuF2sRUilpRYY-
QStqJqdJWiHuOZjJHAMiJcXRv6TqNlSx2if2VevmHqi0Lnuv1LVb2dD2Q-
v_pxK_sEB9ORdN8l0tuZHaHHMTxjh0BI_m6K_-
vsAnYaKpZjnbDpeDZyGaBA1rcUa8K_bjBz9KstaOWOhgixdW28goO803SyvrTcBXJUfJT
CxY3_VKlOO4UCo830K9YOQXfnQej51baGfyMnLWku8URxWNHzomvUYEECdt9NHn
wXcK23MFwh8ExUVNacoNSi6ALLsO0L_8RsfGBrl_S3zS7QrYoV8UM8pgz9-
aajCLC_8edkDXP66h2KdLLKopiDx_LcanLng1GRPA2w6HGFzW7SjAdDw4esyYQvaol3Y
Cg9tGEsVk",

"refresh_token":

"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzUxMiJ9.eyJ1c2VyX2lkIjoiaMzJjOGY0YmItNjkwYS00N
jgyLTliY2UtNGVmNjY4YjQ4ZDViliwiZXhwljoxNzU0ODY0MTU3LCJpYXQiOjE3NTQ2OTE
zNTcslmF1ZCI6ImNoYWxsZW5nZSIsImZcyL6liIsInR5cGUiOiJyZWZyZXNoX3Rva2Vuln0
.G20yZlmltITGqbtMBVi2GtQxKQG62blue_A8DCfVusitSR7GMWxPDQVG_RhyPJZChSU
cLiP9lop9ZAvUM2gVuMTIt2HI7JyhUWpegMfl6vKkDdsujJG8dxjZNgG-
TEUtwdacz3w3P4cAVCAj2v3U6YPQkm5ZI5jtatiBM0B2gqVEedO6LCKSsqluKiD69fwve1
j7Uy-mD7AjtqkGFw1iTr-1U1LE2je-ozBw5k8gmZx4XHdm9Nyai52tWVPzT2U-
Ki631LcPEkzt6lFD3W3O7ff5HNtgRcOmndglaQiMu3poiijzfFaAiU9O1oNTKh5Dbe4gfEf
YuZeVCeXVTMxBbB-
trCnDVru_A94KUfKnu7szxiu6CJWjrozoHkBRMuHLxOSILQElsZ6uyEZ_gi31UINX_c4V0
P6tsu3XERiPLByE8h7gy_Q_94BZBChqKOYTs0eOm8ZI_lGFNsmmyLZwDE4tIsBUi9l7L
pXJzlKRhyl1DXCoXvamkbhpc87RulfUhGegAlubYCQh_hGw9ppTuk0vgGnu8jJad0JF0Y
BGFppP_xCK2CE1NkEw7-U_M-KEggCNrtjc3LI_0zjM-
b94Q4mH_fLodDj3Tph6iXFHhhH93WpUyu_R8r1G7icMO3etL2ZJcq5-
5tT9aQJM7a8qpV2vrY6jcx6zF9FnY3aKh7w",

"token_type": "JWT Token",

"access_token_expires_at": 1754692257,

"role_name": "admin"

}

}

Refresh

POST /v1/oauth/token/refresh

Request

```
{  
  "timestamp": "828282882",  
  "api_version": 1,  
  "data": {  
    "grant_type": "refresh_token",  
    "refresh_token": refresh-token //el refresh_token que se obtuvo  
  }  
}
```

Response

```
{  
  "response_id": "ffc2b212-7ca2-497c-a2d5-781b5e95dbe5",  
  "path": "/v1/oauth/token/refresh",  
  "method": "post",  
  "request": 1532276139,  
  "msg": "token created",  
  "api-version": "v1",  
  "status": "ok",  
  "service": "FALCON-API",  
  "data": {  
    "role_id": "8b39a313-3a2f-4bd1-9eea-5629ce5d78e1",  
    "access_token_expires_at": 1532277039,  
    "issued_at": 1532276139,
```


"refresh_token":

"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzUxMiJ9.eyJ1c2VyX2lkIjoieYmMyZ

mMxOGEtOWNhMy00YmR

hLThlOTYtNDU2M2ZkOWNlNjgyliwiZXhwljoxNTMyNDQ4OTM5LCJpY

XQiOjE1MzlyNzYxMzksImF1

ZCI6Im5leGltbylsImlzcyl6lilsInR5cGUiOiJyZWZyZXNoX3Rva2VuIn0.L

uaY_cJekxLURzkQS

F_rJFmOI8ha4Okari9W7zcWkxGNBwX9M2WHmx29-LodN3NsafOcpX

oJh1gCPVSiaB1WiNufSGGy61

tPd5pYgEv-JK-iJBQpf6da1qUUhNiVaszU0rHq7dcd4CDD2IY2ExBBlarl

Ha7viVTON49LtxXtBR7

KNFDqRIw2WiHQIOH2XpCrexaqFJqTf49iH_koY5L49_E9-6bsbLTpr2L

YmP8G3H8hTOL0dJspLaEW

fCITQMmTIJvk3epEFWTlxlo9Egpl3n6h33Sip4yPcggQuuyfb3LuyypUT

RVrvzIA4_KcSqVfA-kRn

a_yckC7NlthzGZUvNsiOFsYoDdl-kZ9wmXp2YDVdwClTiTleRPH4JlzV

9z8nBW8UtGyy4Cd-3eSKI

DoEi-mPpnH8sShRu2FPWCe5JALesstlbNDVxtENZ4j_EABSw2QiPHA

rWha-ZMav1FyJyxrj40GNV9

FNWuOLL3dTBHpamIK0xKMwpXaHjHFbuEvMRjGvf3IN4es9OmpzGP

pW7ZS0RQyt2FMEwhDW2M4eki-

S3njNQBEbai7EsN6nmC-utpthmHPYLZeDim6kBWNaCK3uwc4l8yww5

Kt-537bDeZoR7teRL0jEsYX

e2cFGL_cDviN0qjc3lZ99BH_B_s4hXLexl3afEsdXBiL39ocGk",

"user_id": "bc2fc18a-9ca3-4bda-8e96-4563fd9ce682",

"role_name": "admin",

"token_type": "JWT Token",
"access_token":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzUxMiJ9.eyJ1c2VyX2lkljoiYmMyZmMxOGEtOWNhMy00YmRhLThtOTYtNDU2M2ZkOWNlNjgyliwicm9sZSI6IjhiMzlhMzEzLTNhMmYtNGJkMS05ZWVhLTU2MjliZTVkNzhIMSIzInJvbGVfbmFtZSI6IkVzdHVkaWVudGUiLCJleHAiOiE1MzlyNzZlMzksImhhdCI6MTUzMjI3NjEzOSwiYXVkljoibmV4aW1vliwiaXNzljoiIiwidHlwZSI6ImFjY2Vzc190b2t1biJ9.iU_vO5tsmDHnEqXfYWddZ1pSy-7fY_5AvF0zPf_9t4uVzf610XiglHathdQHmlygyjnzH9PJ2d-k6L5C_wX09Wyuqs-L0kdY6F36-NxyDOefxa9J-UialbiulQrrGa4AZ4f-6woD7VTvLvGeNmXhpnEnB-ZVyzO5hrmk_8fAjbuiOy1ROEuXg6WrG2eNQ1Z3gX2L8KMqKkQT5ogupPslG6zSJcUn6x4Ui7-05p5nvcjfdciJXUuR1raiAECBTrr4DjL7ex5alzPfRZ47gmtTBFUPNAkath_Yaz4NdD2nfCz_3bJukrpB4M9zDY__e4H2s-A6MEq7cHTikpMF1TSevvekaXBZVRuWb0GX8ox-Mg2Zi3xAS81ukASnj9jGVCcy33srnFBCVtgdMKo54rd8fhz8C5BEimXADpYDhRETWKX5huwiP1aeJhHD7aYfDdQMjYCiz_yS4XThkCRtPt5h38Ad7QbgSk9thzlKeVwZlBpUl3nGQeuTRGj4gVTDtXj3cwBs1jUT872bWOLCI88GXNCINijDAqwcyyJI7fM-4Wn2sP6eeBz2NL5JxK16aO-Yo4ohSCK_xP6urZdmtG7mGd7y8Da8nug0iB1acBCKi5RWspLyCKrsLrVTTfOHzo6pL6UoYaVCsleqNx-oqFwASaGqzAICvsA

```
QBMg7U0N5FfA",
"refresh_token_expires_in": 1532448939
}
}
```

4- Customers

Create

POST /v1/courses

Request

```
{
  "company_name": "Miguel",
  "person_type": "Física",
  "rfc": "TARG880204T29",
  "legal_representative": "GIL RIOS",
  "email": "migue",
  "phone": "9871074239",
  "document": "Falta"
}
```

Response

```
{
  "path": "/v1/customers",
  "method": "post",
  "request": 1754678565.0,
  "api-version": "v1",
  "msg": "Validation Error",
  "service": "FALCON-API",
  "data": {
```

```
"email": [  
    "Not a valid email address."  
]  
}  
}
```

PUT

<http://localhost:5000/v1/customers/{id}>

```
{  
    "company_name": "Miguel",  
    "person_type": "Física",  
    "rfc": "TARG880204T29",  
    "legal_representative": "GIL RIOS",  
    "email": "miguel@gmail.com",  
    "phone": "9871074239",  
    "document": "Faltaria"  
}
```

Response

```
{  
    "response_id": "6989b149-40fa-404b-91b0-30d23ffa0706",  
    "path": "/v1/customers/d9942912-c206-4a22-b167-c10aa0797e2b",  
    "method": "put",  
    "request": 1754679646.0,  
    "msg": "customer updated",  
    "api-version": "v1",  
    "status": "ok",  
    "service": "FALCON-API",
```

```
"data": {  
  "company_name": "Miguel",  
  "document": "Faltaria",  
  "phone": "9871074239",  
  "order": 3,  
  "legal_representative": "GIL RIOS",  
  "id": "d9942912-c206-4a22-b167-c10aa0797e2b",  
  "email": "miguel@gmail.com",  
  "rfc": "TARG880204T29",  
  "person_type": "Física"  
}  
}
```

DELETE

<http://localhost:5000/v1/customers/{id}>

Response

```
{  
  "response_id": "048f2aae-cd2c-404e-9615-2f806bd79c54",  
  "path": "/v1/customers/afce8389-ac61-4da8-a6b7-289b1cdd6c19",  
  "method": "delete",  
  "request": 1754680246.0,  
  "msg": "customer deleted",  
  "api-version": "v1",  
  "status": "ok",  
  "service": "FALCON-API",  
  "data": {}  
}
```

