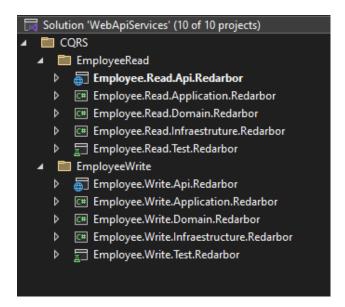
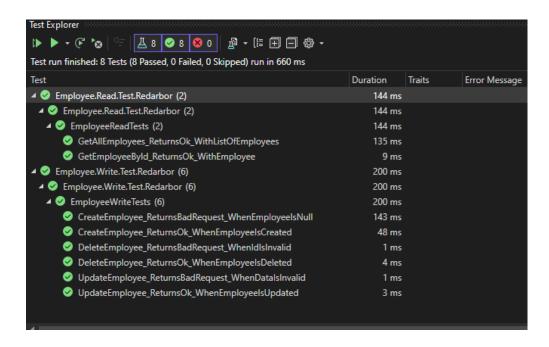
Especificaciones de la Solución



Detalle

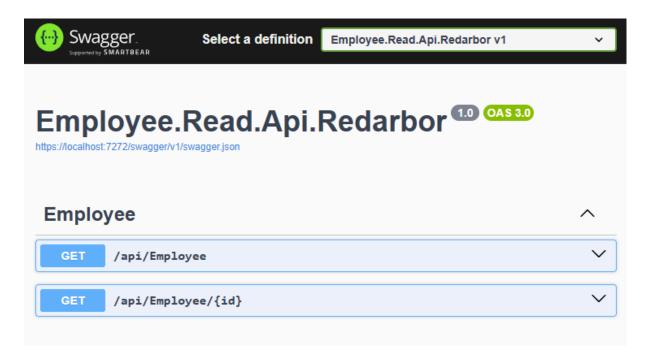
- Tecnología: .Net 8, SQL Server, Dapepr, EntityFramework
- Patrón CQRS: Se crean dos servicios
 - Servicio de lectura con Dapper
 - Servicio de escritura con EntityFramework
- Se mantienen buenas prácticas de desarrollo: Principios SOLID, DDD, Pruebas unitarias.
- Se emplea autenticación JWT para el consumo de los servicios de escritura

Pruebas Unitarias

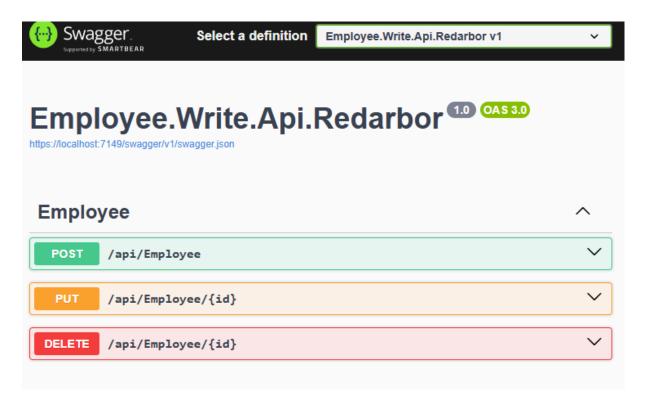


EmployeeServices

Servicios de Lectura



Servicios de Escritura



Casos de Pruebas

1. Insertar un nuevo employee

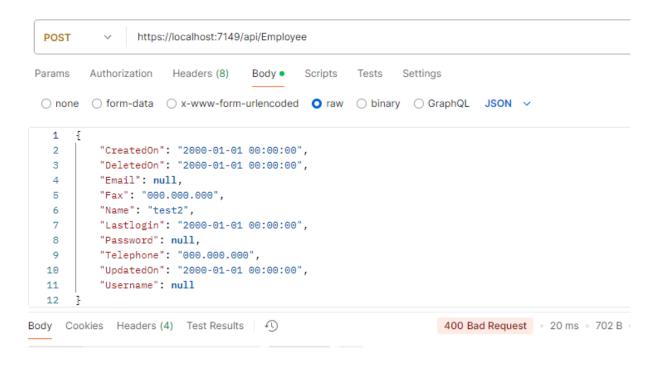
```
Json utilizado:
       "CompanyId": 1,
       "CreatedOn": "2000-01-01 00:00:00",
       "DeletedOn": "2000-01-01 00:00:00",
       "Email": "test1@test.test.tmp",
       "Fax": "000.000.000",
       "Name": "test1",
       "Lastlogin": "2000-01-01 00:00:00",
       "Password": "test",
       "Portalld": 1,
       "RoleId": 1,
       "StatusId": 1,
       "Telephone": "000.000.000",
       "UpdatedOn": "2000-01-01 00:00:00",
       "Username": "test1"
}
```

Llamado desde Postman

```
https://localhost:7149/api/Employee
  POST
                                   Body • Scripts Tests Settings
 Params
        Authorization Headers (8)
 onone of form-data x-www-form-urlencoded raw binary GraphQL JSON v
   1
           "CompanyId": 1,
   2
           "CreatedOn": "2000-01-01 00:00:00",
   3
           "DeletedOn": "2000-01-01 00:00:00",
   4
           "Email": "test1@test.test.tmp",
   5
           "Fax": "000.000.000",
   6
           "Name": "test1",
   7
           "Lastlogin": "2000-01-01 00:00:00",
   8
           "Password": "test",
   9
           "PortalId": 1,
  10
           "RoleId": 1,
  11
           "StatusId": 1,
  12
           "Telephone": "000.000.000",
  13
  14
           "UpdatedOn": "2000-01-01 00:00:00",
           "Username": "test1"
  15
  16
Body Cookies Headers (3) Test Results 4
                                                                          200 OK 6.54 s 92 B
```

Validar campos obligatorios (Companyld, Email, Password, Portalld, Roleld, Statusld, Username.)

Request:



Response:

```
Body Cookies Headers (4) Test Results 1
                                                                     400 Bad Request 20 ms
  Pretty
           Raw
                 Preview
                              Visualize
                                          JSON ~
             errors : {
                "Email": [
   6
   7
                    "The Email field is required."
   8
               ],
   9
                "RoleId": [
                    "Please enter a value bigger than 0"
  10
  11
               ],
                "Password": [
  12
                   "The Password field is required."
  13
  14
               ],
                "PortalId": [
  15
                    "Please enter a value bigger than 0"
  16
  17
                ],
                "StatusId": [
  18
                    "Please enter a value bigger than 0"
  19
  20
               ],
  21
                "Username": [
                    "The Username field is required."
  22
  23
               ],
                "CompanyId": [
  24
                    "Please enter a value bigger than 0"
  25
  26
```

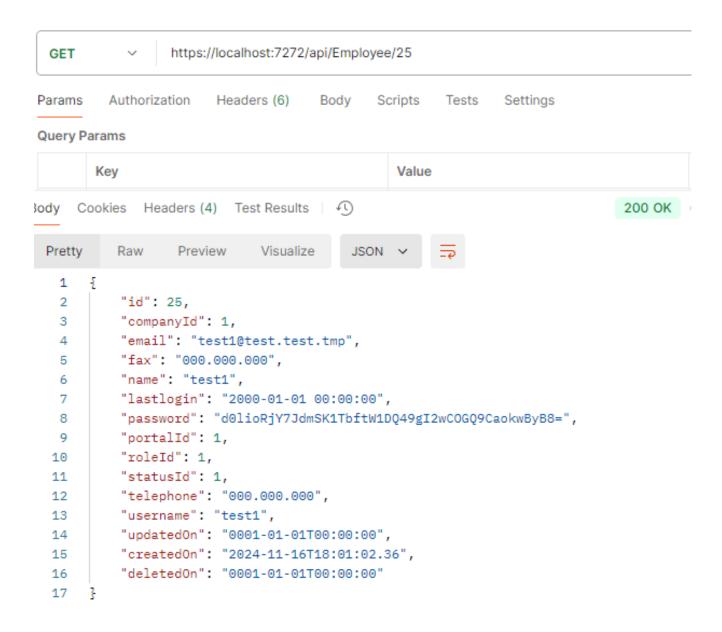
2. Validar que está insertado correctamente

Consulta Get

```
S localhost:7272/api/Employee
      Swagger UI
            G
                  localhost:7272/api/Employee
Pretty print 🗸
     telephone : 125-254-50/0 ,
    "username": "zoemoore",
    "updatedOn": "2024-11-14T00:00:00",
    "createdOn": "2023-05-10T00:00:00",
    "deletedOn": "0001-01-01T00:00:00"
 },
    "id": 24,
    "companyId": 1,
    "email": "test1@test.test.tmp",
    "fax": "000.000.000",
    "name": "Pepe Loco",
    "lastlogin": "2000-01-01 00:00:00",
    "password": "HO7dkwsPlv64wsaGnC41fUA39pVa3X6VDbD1nJYVgrQ=",
    "portalId": 1,
    "roleId": 1,
    "statusId": 1,
    "telephone": "000.000.000",
    "username": "pepeloco",
    "updatedOn": "0001-01-01T00:00:00",
    "createdOn": "2024-11-15T19:13:52.72",
    "deletedOn": "0001-01-01T00:00:00"
  },
    "id": 25,
    "companyId": 1,
    "email": "test1@test.test.tmp",
    "fax": "000.000.000",
    "name": "test1",
    "lastlogin": "2000-01-01 00:00:00",
    "password": "d0lioRjY7JdmSK1TbftW1DQ49gI2wCOGQ9CaokwByB8=",
    "portalId": 1,
    "roleId": 1,
    "statusId": 1,
    "telephone": "000.000.000",
    "username": "test1",
    "updatedOn": "0001-01-01T00:00:00",
    "createdOn": "2024-11-16T18:01:02.36",
    "deletedOn": "0001-01-01T00:00:00"
]
```

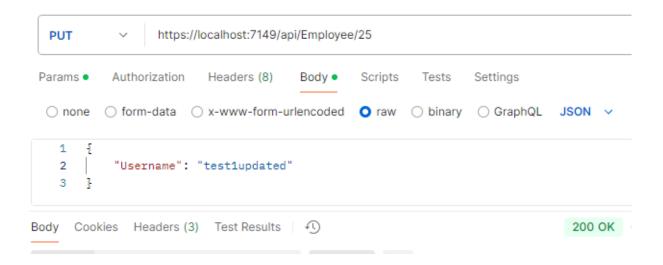
3. Validar que está insertado correctamente, consulta por Id

Consulta Get/Id

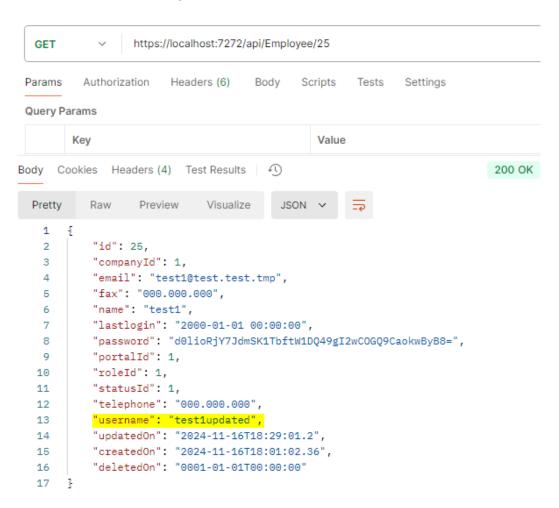


4. Modificar el usuario del registro insertado anteriormente

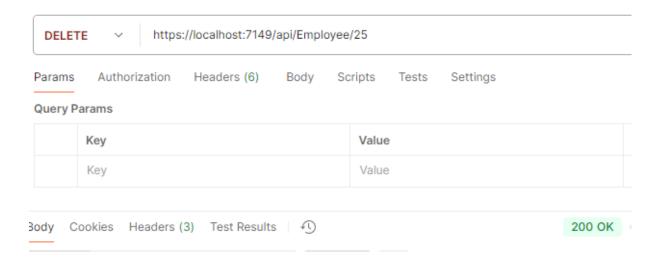
Nuevo usuario: "test1updated"



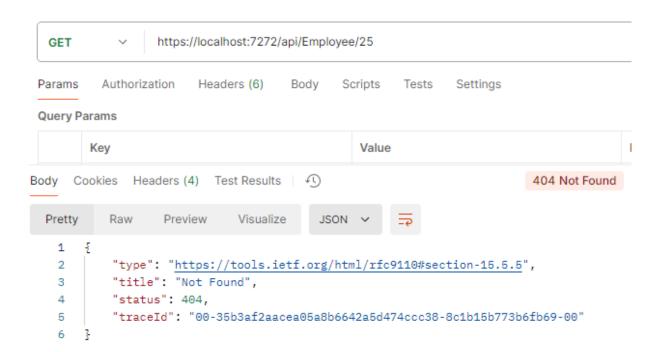
5. Validar que el registro fue modificado



6. Borrar el nuevo registro



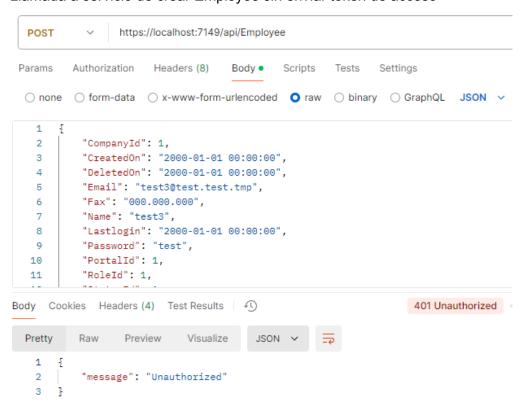
7. Validar que el registro ya no existe



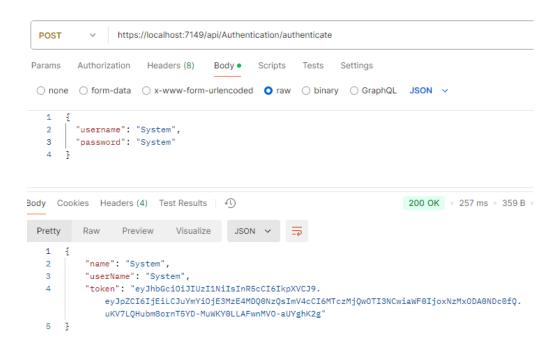
Seguridad de los Servicios

Se agrega un medio de autenticación a través de un token de acceso (JWT) para los servicios de escritura.

Llamada a servicio de crear Employee sin enviar token de acceso



Generando token de acceso



Haciendo la llamada con el token

