**Dokumentim mbi Telegram Web Service**

Përgatitur për:

**Telegram RestApi**

Projekti:

**Integrim me Navision**

Teknologjia:

### **.Net Rest Web API**

Data e dokumentit:

**17.09.2021**

Pergatiti:

**`IBS .Net Team**

**Dokumentim Teknik**

### Pershkrim i Aplikacionit

Qellimi i Aplikacionit te ndertuar ne .Net, eshte shkembimi i te dhenave ndermjet Business Central dhe konsumuesit. Formati i te dhenave qe do te shkembehen eshte JSON pasi arkitektura e implementuar eshte Rest. Jane ekspozuar disa endpoint-e, sipas kerkesave te klientit nga ku mund te merren ose postohen metadata, gjithmone pasi te jete kryer autentikimi.

### **Autentikimi**

Teknologjia e perdorur per autentikim eshte Json Web Token (JWT). Per tu autentikuar duhet te beni ne endpointin **/api/users/authenticate,** POST request me body:

{

    "EmailAddress": "emailPlaceholder",

    "Password": "passwordPlaceholder"

}

Ne rastin kur kredencialet jane te duhurat response vjen ne kete format:

{

    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxIiwibmFtZSI6IkVyam9uIEt1a2EiLCJuYmYiOjE2MTA1Mjc3MTcsImV4cCI6MTYxMDUzMTMxNywiaWF0IjoxNjEwNTI3NzE3LCJpc3MiOiJFcmpvbiBLdWthIiwiYXVkIjoiZWt1a2FAaW5mb3NvZnRncm91cC5jb20uYWwifQ.ak3BmzTHH86zIOjpibYFWQH3WMca3QLGixi5mHjYnMU",

    "lifetimeInMinutes": 60,

    "fullName": "Erjon Kuka",

    "id": 1,

    "startTime": "2021-01-13T08:48:37.7827371Z",

    "endDate": "2021-01-13T09:48:37.7827371Z"

}

Pas Requestit te suksesshem ky token do te manaxhohet nga pala tjeter. Tokeni skadon pas lifetimeInMinutes minutash, ne rastin tone 60 minuta.

Ne rastin tjeter kur autentifikimi shkon pa sukses (kredenciale jo te sakta) kthehet Response me Status 401 Unauthorized.

### Kompanite

Per te marre te gjithe Emrat e kompanive te rregjistruara ne Sistem duhet therritur Endpoint :

api/exportdata/companies

Response i sukseshem duket si me poshte :

{

"companies": [

"Delta Test",

"Pas Migrimeve-Test",

"UKS Test"

],

"baseResponse": {

"success": true,

"message": "GetCompanies was called successfully!",

"innerMessage": "N/A",

"methodName": "GetCompanies"

}

}

### Items

Per marrjen e Item do te behet GET Request ne api/exportdata/items. Pas Requestit te sukseshem do te kthehet response ne formatin si me poshte.

{

"itemList": [

{

"itemNo": "",

"description": "",

"baseUnitOfMeasure": ""

}, {

"itemNo": "700008",

"description": "testtt duhet te dali",

"baseUnitOfMeasure": "KUTI"

},

{

"itemNo": "AAA055",

"description": "NASET SPRAY",

"baseUnitOfMeasure": "FLACON"

},

{

"itemNo": "AAA058",

"description": "NORWEGIAN FISH OIL",

"baseUnitOfMeasure": "FLACON"

},

{

"itemNo": "AAA116",

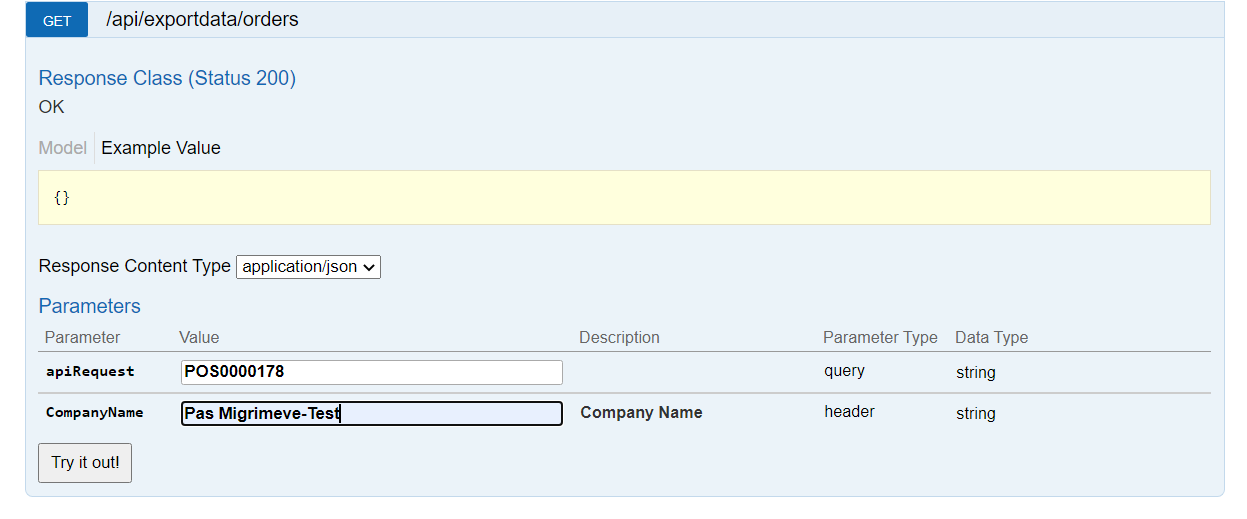
"description": "ENOXAPARINUMSODIUM 6000Ul 0.6Mddddd",

"baseUnitOfMeasure": "KUTI"

}

### Get Order

Per marrjen e Order do te behet GET Request ne api/exportdata/orders ku do te plotesohet fusha apiRequest me kodin e orderit dhe fusha e companyName me emrin e kompanise si ne shembullin me poshte :



Pas Requestit te sukseshem do te kthehet response ne formatin si me poshte.

{

"salesOrder": {

"orderNo": "POS0000178",

"customerNo": "D0016",

"status": "0",

"orderDateTime": "2021-09-20T00:00:00",

"apiOrderLines": [

{

"itemNo": "AAA116",

"location": "1",

"quantity": 0

}

]

},

"success": true,

"message": "Order with no POS0000178 was successfully taken.",

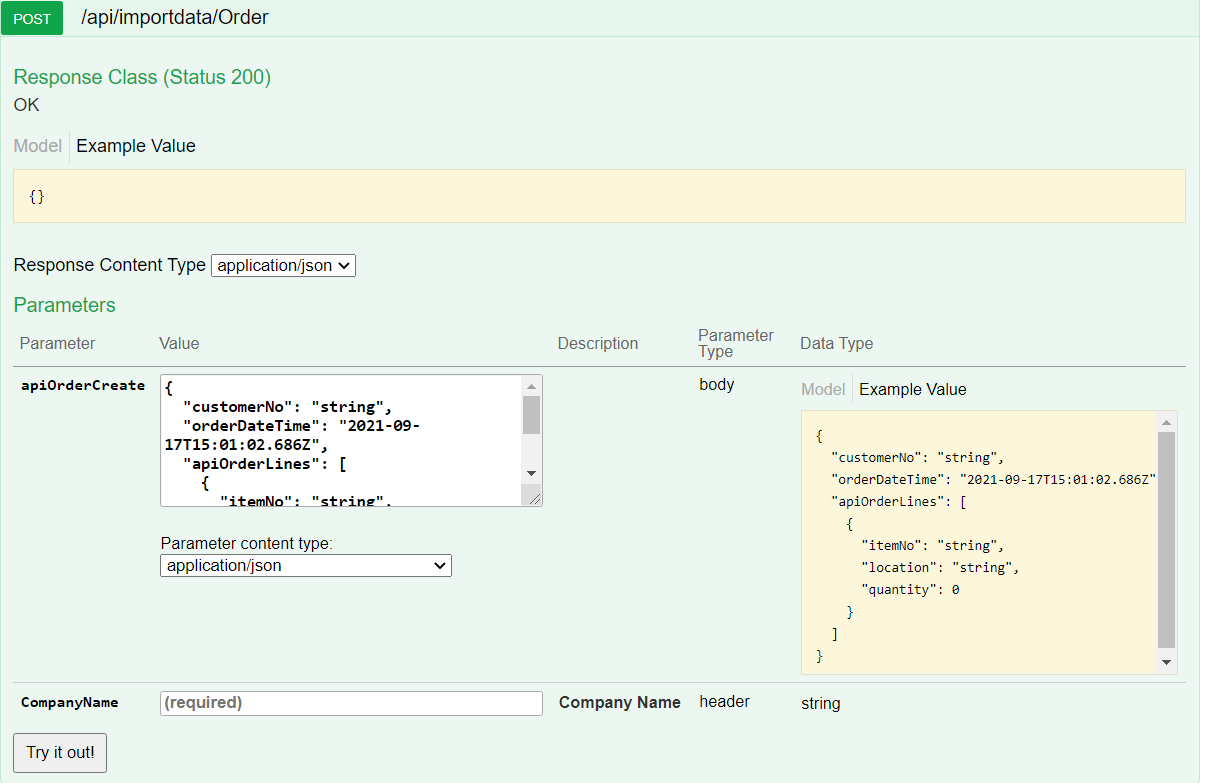
"innerMessage": "N / A",

"methodName": "GetOrder"

}

### Post Order

Per postimin e Order do te behet Post Request ne api/importdata/Order. Do te plotesohen fushat ne te majte : customerNo , itemNo , quantity



Pas Postit te sukseshem do te kthehet response ne formatin si me poshte , ku na shfaq dhe orderin e bere .

{

"salesOrder": {

"OrderNo": "POS0000170",

"customerNo": "D0016",

"orderDateTime": "2021-09-17T15:01:02.686Z",

"apiOrderLines": [

{

"itemNo": "ABD004",

"location": "string",

"quantity": 1

}

]

},

"success": true,

"message": "Porosia u krye me sukses",

"innerMessage": "N / A",

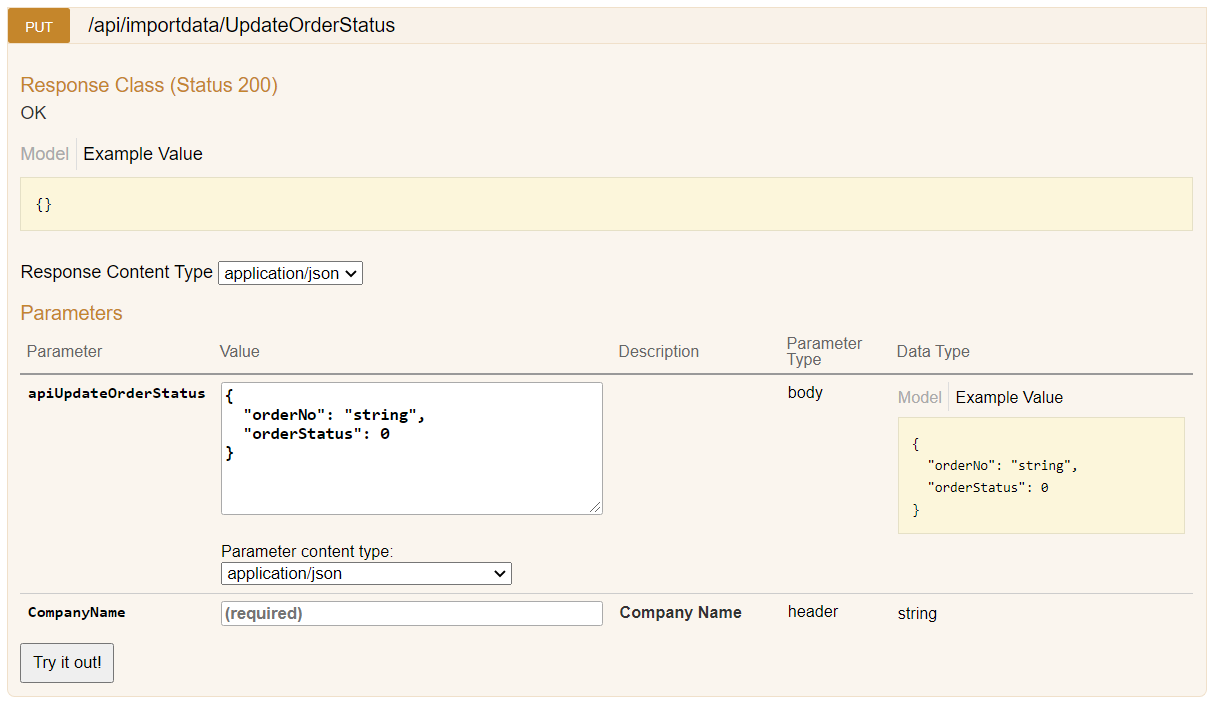
"methodName": "CreateOrder"

} "baseUnitOfMeasure": "KUTI"

}

### Change Order Status

Per ndryshimin e statusit te orderit do te behet Put Request ne api/importdata/UpdateOrderStatus. Do te plotesohen fushat ne te majte : orderNo , orderStatus ( i cili mbart vlerat 0 dhe 3 )



Pas Put te sukseshem do te kthehet response ne formatin si me poshte , ku na shfaq dhe orderin e bere .

{

"success": true,

"message": "Order with NO: POS0000170 was updated successfully!",

"innerMessage": "N/A",

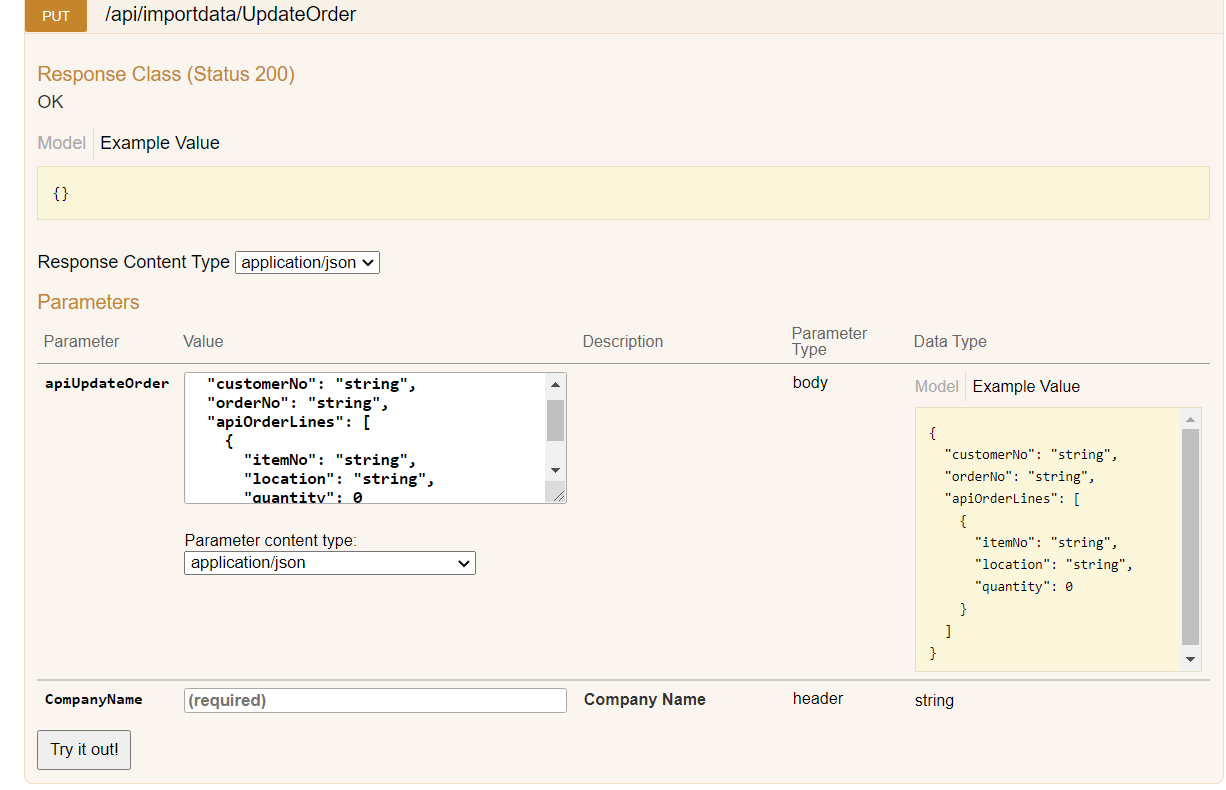
"methodName": "CreateOrder"

}

### Update Order

Per ndryshimin e orderit dhe shtimit te fushave te reja me item te ri do te behet Put Request ne api/importdata/UpdateOrder.

Do te plotesohen fushat ne te majte : customerNo , orderNo , itemNo , quantity



Pas Put te sukseshem do te kthehet response ne formatin si me poshte , ku na shfaq dhe orderin e modifikuar .

{

"salesOrder": {

"OrderNo": "POS0000170",

"customerNo": "D0016",

"orderDateTime": "2021-09-17T15:01:02.686Z",

"apiOrderLines": [

{

"itemNo": "ABD004",

"location": "string",

"quantity": 1

}

]

},

{

"success": true,

"message": "Order with NO: POS0000170 was updated successfully!",

"innerMessage": "N/A",

"methodName": "UpdateOrder"

}

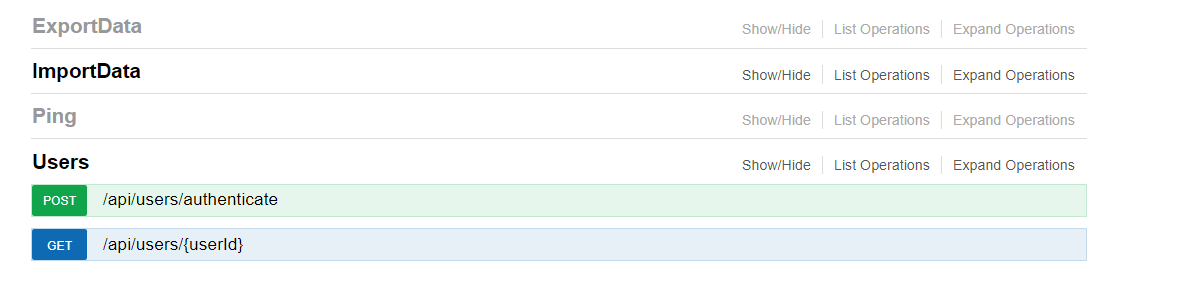
## Menaxhimi i pergjigjeve.

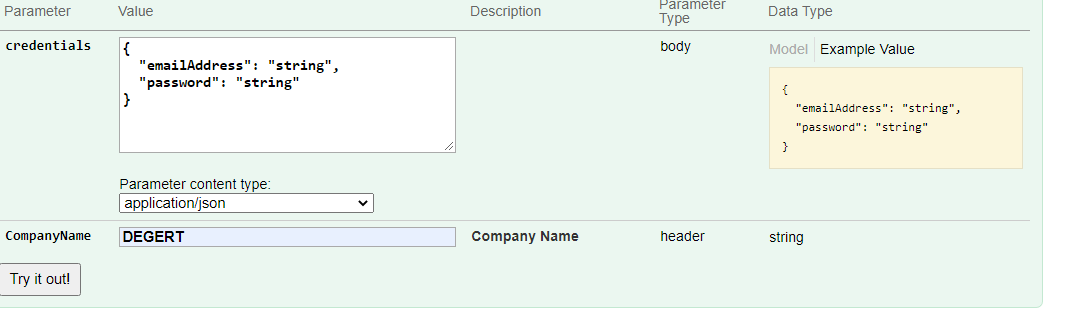
Erroret dhe loget e detajuara te web service ruhen ne tabelen “Web Service Logs” ne navision. Ne qofte se ka nje problem me lidhjen me Navision loget ruhen ne nje file Test ne serverin ku eshte hostuar Web Service.

## Perditesimet e fundit (Swagger UI)

Per te konsumuar web service mund te perdoret edhe Swagger UI duhet te ndiqen hapat me poshte :

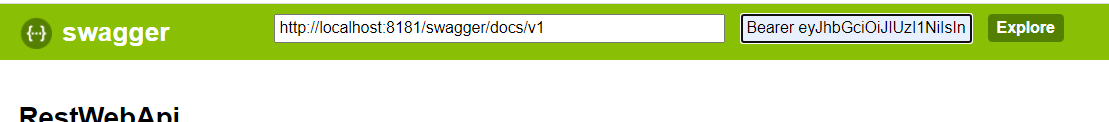
* Url i bashkangjitet : /swagger/ui/index





Company Name eshte gjithmone Mandatory .

Pas gjenerimit te Token duhet te vendoset ne fushen :



ApiKey duhet te jete ne formatin :

Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIyMDIwIiwibmFtZSI6IklCUyIsIm5iZiI6MTYxOTU5Njk4NCwiZXhwIjoxNjIyNDc2OTg0LCJpYXQiOjE2MTk1OTY5ODQsImlzcyI6IkVyam9uIEt1a2EiLCJhdWQiOiJla3VrYUBpbmZvc29mdGdyb3VwLmNvbS5hbCJ9.GQhszis72J7TnoqNL8iyRz2hNcoO6S8Xf2J4bwrHUzs

**Useri per gjenerimin e Token**

User : ibs@test.al

Password : 123456

**Per testime**

Customer No : D0016

Item No : AAA116

Location Code : 1

Order No : POS0000178 ose mund te marresh OrderNo te porosise test qe mund te kryhet