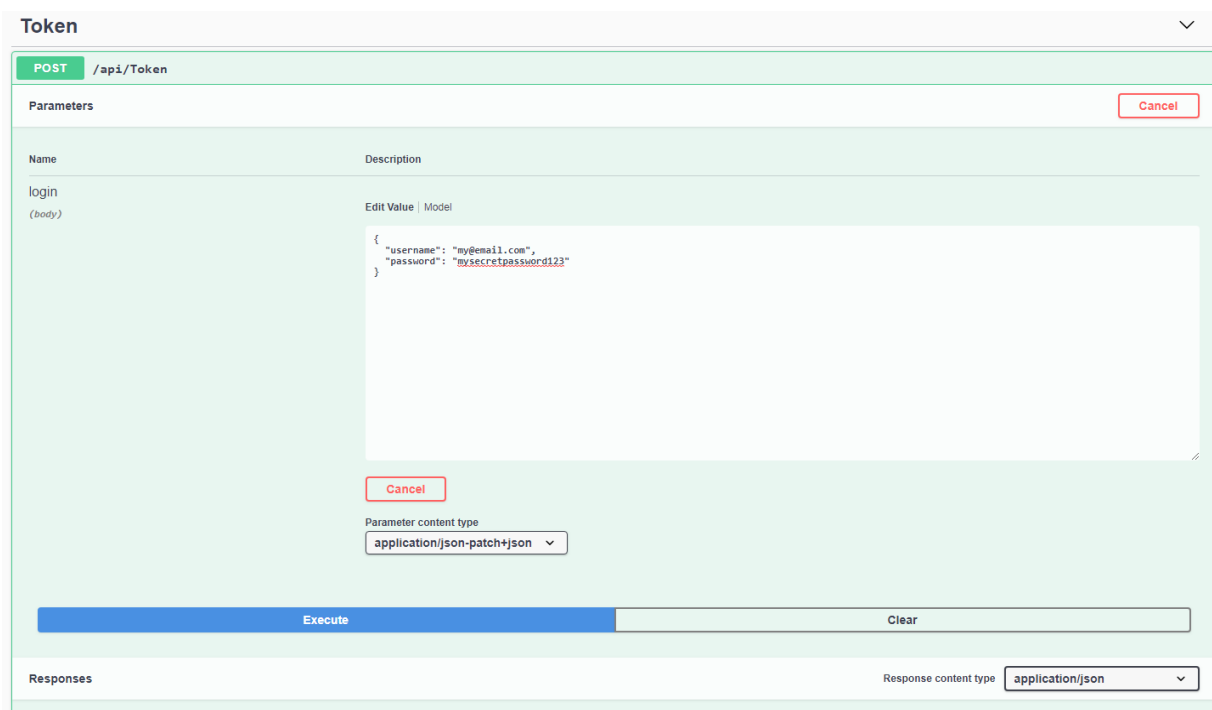


ApiNCoreEx and Swagger authentication

2019/02/28

In Swagger API page find Token (POST) api/Token method and enter these credentials in *Edit Value*

```
{  
  "username": "my@email.com",  
  "password": "mysecretpassword123"  
}
```



The image shows the Swagger UI interface for the 'Token' endpoint. The endpoint is a POST method located at '/api/Token'. The 'Parameters' section shows a single parameter named 'login' with a description '(body)'. The 'Edit Value' tab is active, displaying a JSON body: { "username": "my@email.com", "password": "mysecretpassword123" }. Below the body editor, there is a 'Parameter content type' dropdown menu set to 'application/json-patch+json'. At the bottom, there is an 'Execute' button and a 'Clear' button. The 'Responses' section at the very bottom shows a 'Response content type' dropdown menu set to 'application/json'.

Name	Description
login (body)	login

Cancel

Cancel

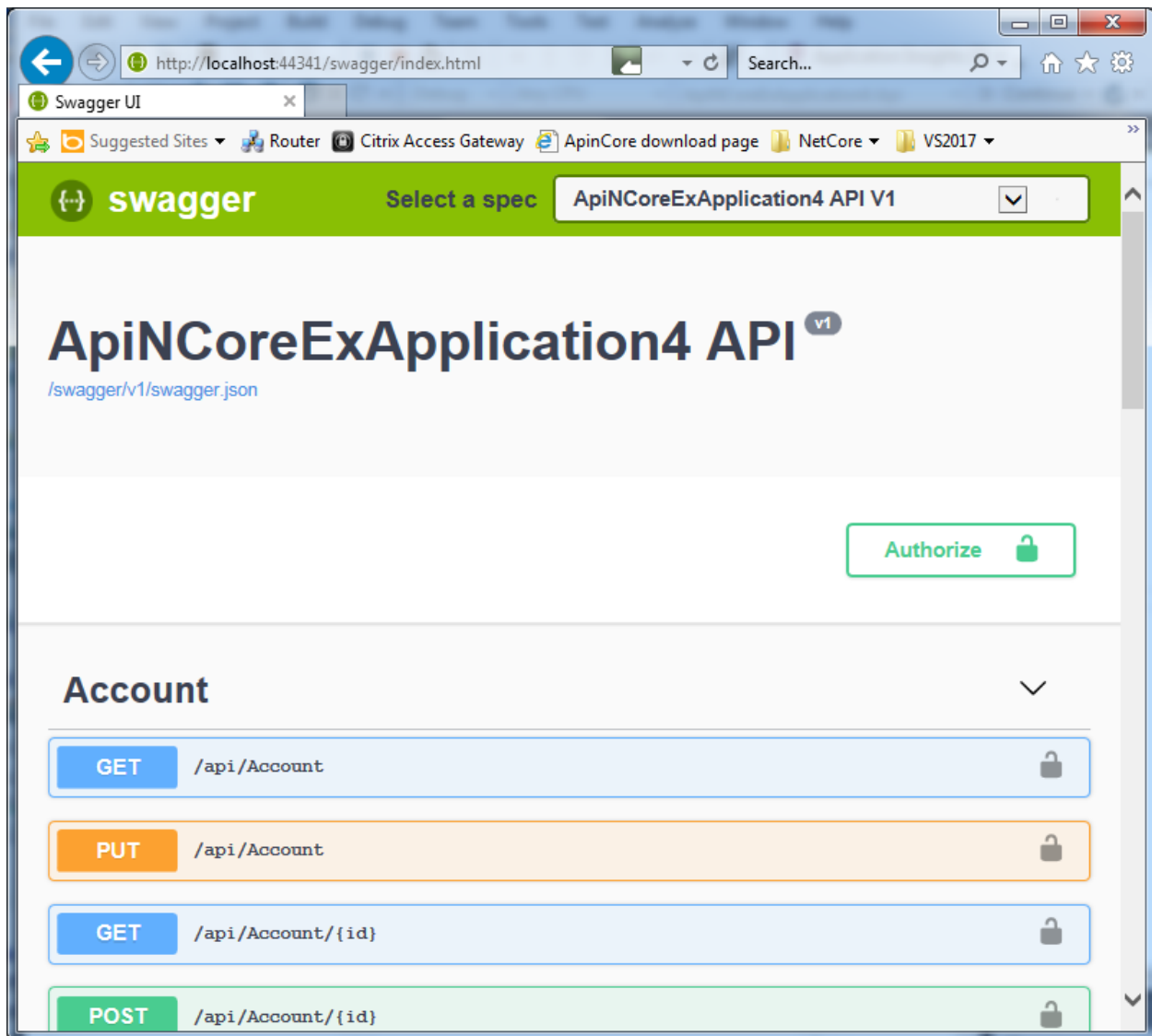
Parameter content type
application/json-patch+json

Execute Clear

Responses
Response content type
application/json

Execute method to get token that can be used for other method call which must be authenticated

Click on Authorize button to



..enter the token and authorize: **Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...**

Available authorizations

Bearer (apiKey)

Authorization header using the Bearer scheme

Name: Authorization

In: header

Value:

Bearer eyJhbGciOiJIUzI1NiIs

AuthorizeClose

Available authorizations

Bearer (apiKey)

Authorized

Authorization header using the Bearer scheme

Name: Authorization

In: header

Value: *****

LogoutClose

Now you can execute other secured API calls.

Cancel

Parameters

No parameters

Execute

Clear

Responses

Response content type | text/plain

Curl

[illegible]

Request URL

http://localhost:44341/api/Account

Server response

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

200

Response body

```
[
  {
    "name": "Account 1",
    "email": "apincore@anasoft.net",
    "description": " ",
    "isTrial": false,
    "isActive": true,
    "setActive": "2018-01-01T00:00:00",
    "users": [],
    "id": 1
  }
]
```

Download

Response headers

```
transfer-encoding: chunked
content-type: application/json; charset=utf-8
server: Kestrel
x-sourcefiles: ?=UTF-8?B?QzpqvXNlcnNcem9yYW50c291cmNlXHJlcG9zXEFwauU5Db3JRlXhBoHBsaWNhdGlvbJRCQXBpTkNvcnVPeE
FwcExpY2F0aW9uNXBhcGlGQ0Q29yZUVuV4QXBwbGljYXRpb240LkFwaVxhcGlscQWlnb3VudAe==?
x-powered-by: ASP.NET
date: Thu, 28 Feb 2019 04:20:46 GMT
```

This authentication works for Swagger when used JWT however when it is used IS4 authentication Swagger POST Token url is

```
http://localhost:44341/api/Token
```

but should be

<http://localhost:5000/api/Token>

to communicate IS4 and get correct token.

```
curl -X POST "http://localhost:44341/api/Token" -H "accept: application/json" -H "Content-Type: application/json-patch+json" -d "{ \"username\": \"my@email.com\", \"password\": \"mysecretpassword123\"}"
```

How to set Swagger to use <http://localhost:5000> for specific API call = `/api/Token`?

Only way to get working Swagger site for IS4 is to get token from Test project (set in projects appsettings.json `"UseIdentityServer4": true`,) and use it to authorize Swagger (Authorize button on the top of Swagger page) . So like in screenshot now Swagger IS4 authenticated calls are working just fine.

The screenshot displays the Swagger UI interface for a REST API. At the top, the endpoint `/api/Account` is selected with the `GET` method. The 'Parameters' section is empty. Below it, the 'Execute' button is highlighted in blue. The 'Responses' section shows the response content type set to `application/json`. The 'Curl' section contains a long, complex curl command for the request. The 'Request URL' section shows `http://localhost:44341/api/Account`. The 'Server response' section shows a `200` status code. The 'Response body' section displays a JSON object:

```
{  "name": "Account 1",  "email": "apincore@anasoft.net",  "description": "",  "isTrial": false,  "isActive": true,  "setActive": "2018-01-01T00:00:00",  "users": [],  "id": 1}
```

 A 'Download' button is visible next to the response body. The 'Response headers' section shows `content-type: application/json; charset=utf-8`, `date: Fri, 01 Mar 2019 01:59:05 GMT`, and `server: Kestrel`.