

W13-P1: investigate jwt token using jwt.io

The screenshot shows the jwt.io interface with a decoded JWT token. The token is pasted into the 'Encoded' field on the left. The 'Decoded' section on the right shows the token's structure:

HEADER: ALGORITHM & TOKEN TYPE

```
{  
  "alg": "HS256",  
  "typ": "JWT"  
}
```

PAYOUT: DATA

```
{  
  "iss": "supabase",  
  "ref": "baodkpezbkrextxfzgiw",  
  "role": "anon",  
  "iat": 1676507110,  
  "exp": 1992083110  
}
```

VERIFY SIGNATURE

```
HMACSHA256(  
  base64UrlEncode(header) + "." +  
  base64UrlEncode(payload),  
  yI63Z8uUk9XzpFeM60D74  
)  secret base64 encoded
```

Encoded PASTE A TOKEN HERE

Decoded EDIT THE PAYLOAD AND SECRET

SHARE JWT

Signature Verified

The screenshot shows a browser window with several tabs open. The tabs include: 'The Complete JavaScript C', '廖正宏教師線上課堂網站', '淡江大學單一登入(SSO)', 'API Settings | Supabase', 'Overview - Team Workspace', and 'JSON Web Tokens - jwt.io'. The 'jwt.io' tab is active and displays a JSON Web Token (JWT) for verification.



Debugger Libraries Introduction Ask

Crafted by auth0 by Okta

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6ImJvYWWRcGV6YmtvZXh0eGZ6Z2l3Iiwicm9sZSI6ImFub24iLCJpYXQiOjE2NzY1MDcxMTAsImV4cCI6MTk5MjA4MzExMH0.IYJ6ByGzzD7PeLXvUyXt9EZhbWv808POGPedW9Rqgzo

HEADER: ALGORITHM & TOKEN TYPE

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{  
  "alg": "HS256",  
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  base64UrlEncode(payload),  
  yI63Z8uUk9XzpFeM60D74  
)  secret base64 encoded
```

Signature Verified

SHARE JWT

58676cb WeiYiHuangfelix Thu May 11 11:13:03 2023 +0800 W13-P1: investigate jwt token using jwt.io

W13-P2: Get all menu data from menu_xx (no RLS), and from menu2_xx (RLS enabled)

Get all menu from menu_xx (RLS not enabled)

The screenshot shows a Microsoft Teams window with a Postman collection named "1112-supabase-2N". The collection contains a single API endpoint: "GET Get all menu data from menu_xx...". The "Headers" section shows two checked items: "apikey" and "Authorization". The "Body" section shows a JSON response with one item:

```
1
2
3
4
5
6
7
8
{
  "id": 1,
  "title": "buttermilk pancakes",
  "category": "breakfast",
  "price": 15.59,
  "img": "/menu/images/item-1.jpeg",
  "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam."
```

The "curl" command for this request is also visible in the interface.

Fail to get all menu from menu2_xx (RLS enabled)

The screenshot shows a Microsoft Teams window with several tabs open. The main focus is a Postman API call titled "Get all menu data from menu_xx". The URL is `https://b0adkpezbkrrexzfzgiw.supabase.co/rest/v1/menu2_xx?select=*`. The Headers tab shows two entries: "apikey" and "Authorization". The response body shows a single item with ID 1. To the right, a PostgreSQL query result for the table "menu2_xx" is shown, indicating "RLS enabled" and stating "No policies created yet".

Microsoft Teams 編輯 檢視 視窗 說明

lively-spaceship-846391.postman.co/workspace/d14f8ae0-e45c-4196-805e-9fb8... 5月11日 週四 下午1:41

淡江大學車 JSON Web Week 13 ...

Workspaces API Network Explore Search Postman Upgrade

New Import Overview 1112-supabase- GET Get all menu + ... No Environment

+ 1112-supabase-2N GET Get all menu data from menu_x... 1112-supabase- / Get all menu data from menu_xx(no R... Save ... + ... No Environment

GET https://b0adkpezbkrrexzfzgiw.supabase.co/rest/v1/menu2_xx?select=*

Params Auth Headers (7) Body Pre-req. Tests Settings Cookies

Headers 5 hidden

Key	Value	Description
apikey	eyJhbGciOiJIUzI1NiIsInR5cCI6Ikp...	
Authorization	Bearer eyJhbGciOiJIUzI1NiIsInR5c...	

Body 200 OK 1741 ms 605 B Save as Example ...

Pretty Raw Preview Visualize JSON

1 [1]

g with your team 33% least 1 person. Invite

Console Cookies Auto-select agent Runner Trash

schema public 29888

menu2_xx RLS enabled

No policies created yet

RLS is enabled - create a policy to allow access to this table.

to get all menu from menu2_xx (RLS enabled) by providing service_role token

The screenshot shows a Postman workspace titled "Team Workspace". A collection named "1112-supabase-2N" contains a request titled "Get all menu data from menu2_xx(RLS)". The request is a GET method to the URL https://boadkpezbkrktxfzgiw.supabase.co/rest/v1/menu2_xx?select=*. The "Params" tab shows a "select" parameter set to "*". The "Body" tab shows a JSON response with one item:

```
1 {  
2   "id": 1,  
3   "title": "buttermilk pancakes",  
4   "category": "breakfast",  
5   "price": 15.59,  
6   "img": "/menu/images/item-1.jpeg",  
7   "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam  
8       dolores ut iusto quas quia dignissimos ullam."  
}
```

The "Script" tab contains a curl command using a service role token:

```
curl  
'https://boadkpezbkrktxfzgiw.supabase.co/rest/v1/menu2_xx?select=*' \n-H "apikey:  
eyJhbGciOiJIUzI1NiIsInR5cCI  
6IkpxVCJ9eyJpc3Mi0iJzdXBhY  
mfzzSIsInJZlZ16ImvVWRrcGV6  
YmtyZXhoeGZ6Z2l3Iiwicm9sZSI  
6InNlcnPzY2Vfcn9sZSIsmldC  
IGMTY3NjUwNzExMcwiZXhwIjox0  
TkyMDgzMTEwfQ.YHiIF_65_mCjy  
zLaKF7TwipBQrnraqkFd_1F-  
p1VKG2A" \n-H "Authorization: Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI  
6IkpxVCJ9eyJpc3Mi0iJzdXBhY  
mfzzSIsInJZlZ16ImvVWRrcGV6  
YmtyZXhoeGZ6Z2l3Iiwicm9sZSI  
6InNlcnPzY2Vfcn9sZSIsmldC  
IGMTY3NjUwNzExMcwiZXhwIjox0  
TkyMDgzMTEwfQ.YHiIF_65_mCjy  
zLaKF7TwipBQrnraqkFd_1F-  
p1VKG2A"
```

a586540 WeiYiHuangfelix Thu May 11 14:05:57 2023 +0800 W13-P2: Get all menu data from menu_xx (no RLS)

W13-P3: Get all category=breakfast data from menu_xx (no RLS), and from menu2_xx (RLS enabled)

Get all category=breakfast data from menu_xx (RLS not enabled)

The screenshot shows the Postman interface with a successful API call. The URL is `https://baodkpezbkrextxfzgiw.supabase.co/rest/v1/menu_xx?select=*&category=eq.breakfast`. The response body is a JSON object representing a menu item:

```
Enim voluptas, expedita"
{
  "id": 7,
  "title": "Bacon Overflow",
  "category": "breakfast",
  "price": 8.99,
  "img": "/menu/images/item-7.jpeg",
  "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam.
    Enim voluptas, expedita"
}
```

get all category='breakfast' data from menu2_xx (RLS enabled) by providing service_role token

The screenshot shows the Postman interface with the following details:

- URL:** https://boadkpezbkrextxfzgiw.supabase.co/rest/v1/menu2_xx?select=*&category=eq.breakfast
- Method:** GET
- Response Status:** 200 OK
- Response Time:** 390 ms
- Response Size:** 1.32 KB
- Response Body (Pretty JSON):**

```
17:   },
18:   {
19:     "id": 7,
20:     "title": "Bacon Overflow",
21:     "category": "breakfast",
22:     "price": 8.99,
23:     "img": "/menu/images/item-7.jpeg",
24:     "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam.\n      Enim voluptas, expedita"
```

73b4328 WeiYiHuangfelix Thu May 11 14:33:06 2023 +0800 W13-P3: Get all category='breakfast' data from me

W13-P4: Create a data with category=breakfast, save into menu_xx (no RLS), and from menu2_xx (RLS enabled)

Create a data with category=breakfast, save into menu_xx (RLS not enabled)

The screenshot shows the Postman interface with a collection named "1112-supabase-2N". A POST request is selected with the URL `https://baodkpezbkrextxfzgiw.supabase.co/rest/v1/menu_xx`. The "Body" tab is active, showing a JSON payload:

```
1 {  
2   ... "id": "10",  
3   ... "title": "rachel park",  
4   ... "category": "breakfast",  
5   ... "price": "9.99",  
6   ... "img": "https://baodkpezbkrextxfzgiw.supabase.co/storage/v1/object/public/demo-26/md_img/rachel-park.jpg",  
7   ... "descrip": "My friends and I were at the last few weeks of college so we decided to maximize"  
8 }
```

The response status is 201 Created.

The Complete JavaScript | 廖正宏教師線上課堂網站 | 淡江大學單一登入(SSO) | Get category='breakfast' menu data from menu_xx(no RLS) | JSON Web Tokens - jwt.io | Round white ceramic plate

lively-spaceship-846391.postman.co/workspace/d14f8ae0-e45c-4196-805e-9f9b8ce5d000/request/27358219-9000249c-9001-43b4-8525-0129a74b...

Home Workspaces API Network Explore Search Postman Invite Upgrade

Team Workspace New Import Overview GET Get category='breakfast' menu data from menu_xx(no RLS) + ... No Environment

Collections Environments History

1112-supabase-2N / Get category='breakfast' menu data from menu_xx(no RLS)

GET https://boadkpezbkrexxtxfzgiw.supabase.co/rest/v1/menu_xx?select=*&category=eq.breakfast

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	...
select	*		Bulk Edit
category	eq.breakfast		
Key	Value	Description	

Body Cookies Headers (19) Test Results Status: 200 OK Time: 332 ms Size: 1.58 KB Save as Example

Pretty Raw Preview Visualize JSON

```
23     "img": "/menu/images/item-1.jpg",
24     "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enj
25   },
26   {
27     "id": 11,
28     "title": "rachel park",
29     "category": "breakfast",
30     "price": 9.99
31   }
32 }
```

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Online Console Cookies Auto-select agent Runner Trash

1112-supabase-2N / Create a menu data and server into menu2_xx(RLS)

POST https://boadkpezbkrexxtxfzgiw.supabase.co/rest/v1/menu2_xx

Params Authorization Headers (10) Body Body none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   ...
3   "id": "10",
4   ...
5   "title": "rachel park",
6   ...
7   "category": "breakfast",
8   ...
9   "price": "9.99",
10  ...
11  "img": "https://boadkpezbkrexxtxfzgiw.supabase.co/storage/v1/object/public/demo-26/md_img/rachel-park.jpg",
12  ...
13  "descrip": "My friends and I were at the last few weeks of college so we decided to maximize"
```

Body Cookies Headers (15) Test Results Status: 201 Created Time: 450 ms Size: 474 B Save as Example

Pretty Raw Preview Visualize Text

1

The Complete JavaScript | 廖正宏教師線上課堂網站 | 淡江大學單一登入(SSO) | Create a menu data and server into menu2_xx(RLS) | JSON Web Tokens - jwt.io | Round white ceramic plate

lively-spaceship-846391.postman.co/workspace/d14f8ae0-e45c-4196-805e-9f9b8ce5d000/request/27358219-7e8bb805-8108-4c6b-8059-888196d...

Home Workspaces API Network Explore Search Postman Invite Upgrade

Team Workspace New Import Overview POST Create a menu data and server into menu2_xx(RLS) + ... No Environment

Collections Environments History

1112-supabase-2N / Create a menu data and server into menu2_xx(RLS)

POST https://boadkpezbkrexxtxfzgiw.supabase.co/rest/v1/menu2_xx

Params Authorization Headers (10) Body Body none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   ...
3   "id": "10",
4   ...
5   "title": "rachel park",
6   ...
7   "category": "breakfast",
8   ...
9   "price": "9.99",
10  ...
11  "img": "https://boadkpezbkrexxtxfzgiw.supabase.co/storage/v1/object/public/demo-26/md_img/rachel-park.jpg",
12  ...
13  "descrip": "My friends and I were at the last few weeks of college so we decided to maximize"
```

Body Cookies Headers (15) Test Results Status: 201 Created Time: 450 ms Size: 474 B Save as Example

Pretty Raw Preview Visualize Text

1

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Online Console Cookies Auto-select agent Runner Trash

The screenshot shows the Postman interface with a collection named "1112-supabase-2N". A specific GET request is selected, titled "Get category='breakfast' menu data from menu2_xx(RLS)". The request URL is https://boadkpezbkrextxfzgjw.supabase.co/rest/v1/menu2_xx?select=*&category=eq.breakfast. The "Params" tab is active, showing "select" with value "*" and "category" with value "eq.breakfast". The "Body" tab displays the JSON response:

```

23     img : "/menu/images/item1.jpg",
24     "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enj
25   },
26   {
27     "id": 10,
28     "title": "rachel park",
29     "category": "breakfast",
30     "price": 9.99,
31     "img": "https://boadkpezbkrextxfzgjw.supabase.co/storage/v1/object/public/demo-26/md_img/rachel-park.jpg",
32     "descrip": "My friends and I were at the last few weeks of college so we decided to maximize"
33   }
34 ]

```

The "Body" tab also shows the status: 200 OK, Time: 354 ms, Size: 1.58 KB.

b434c27 WeiYiHuangfelix Thu May 11 15:34:57 2023 +0800 W13-P4: Create a data with category=breakfast, nabled)

b434c27 WeiYiHuangfelix Thu May 11 15:34:57 2023 +0800 W13-P4: Create a data with category=breakfast, nabled)

73b4328 WeiYiHuangfelix Thu May 11 14:33:06 2023 +0800 W13-P3: Get all category=breakfast data from me

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