

Login and Logout HaraAccount

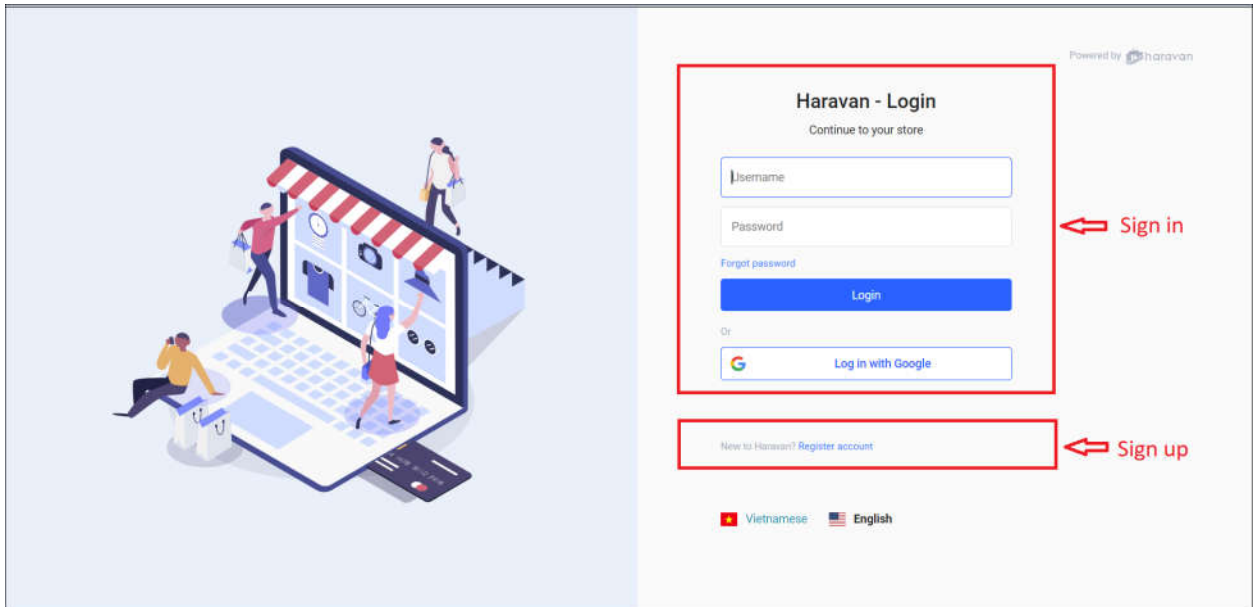
Version	Date	Author	Description
1.0	19-Mar-2020		

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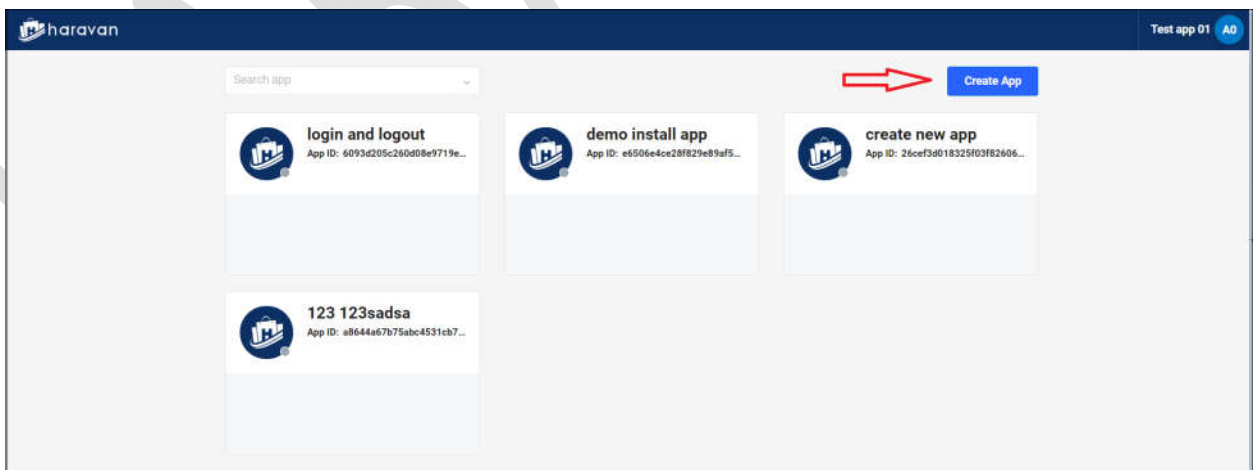
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1 Step 1: Create app

- Follow the link <https://developers.haravan.com/apps> (If you haven't logged in, the system will redirect to sign in <https://accounts.haravan.com>, and at this page you can sign in or sign up).



- After sign in/sign up successful, the system will show a list of your applications, click "Create App" button to create a new application.



- Screen for create application.

haravan

Test app 01 A0

Name: login and logout

Description:

Redirect Url: https://527151bc.ngrok.io/install/login

Icon App(160 x 160) Banner Login(600 x 600)

Icon Login(200 x 60) Banner App(465 x 150)

Cancel Create

- + Name: application name.
- + Description: application description
- + Redirect Url: application domain, the system will redirect to this url when starting application.
 - You need to declare URL for login.
 - Login url with recommended syntax: **https://{domain_app}/install/login**
 - You need to configure these URLs in your app's configuration file.
- Create success.
 - + Some field need to save in configuration file to use: App Id, App Secret, Redirect Url.

haravan

Test app 01 A0

Settings

Webhooks

Haraweb

Commerce

Private Token

Content

login and logout

App ID: 6093d205c260d08e9719e1893747a69f

App Secret: *****

Name: login and logout

Description:

Front Channel Logout URL: https://527151bc.ngrok.io/install/login/front_logout

Redirect Url: https://804ae17e.ngrok.io/install/login

Icon App(160 x 160) Banner Login(600 x 600)

Icon Login(200 x 60) Banner App(465 x 150)

2 Step 2: Build authorize link

- Build authorize link to login Haravan's system for check shop and user information
 - + If have orgid, add **orgid** to request params of **authorize link** and request to it with GET method to login.
 - + If don't have orgid, just request **authorize link** with GET method to login.
- After request to **authorize link** if not already logged in to Haravan, the system will require login to get user information, if logged in, the system will skip the login step and get the used login information.

Method	URL
GET	https://accounts.haravan.com/connect/authorize

2.1 Request

Request params:

response_mode
response_type
scope_login
client_id redirect_uri
nonce
orgid

Parameter passing syntax:

https://accounts.haravan.com/connect/authorize?response_mode={response_mode}&response_type={response_type}&scope={scope}&client_id={client_id}&redirect_uri={redirect_uri}&nonce={nonce}&orgid={orgid}

Ex:

https://accounts.haravan.com/connect/authorize?response_mode=form_post&response_type=code&id_token=&scope=openid profile email org userinfo&client_id=0e86d3653f580f07358865a0b6cda6de&redirect_uri=http://localhost:3000/install/login&nonce=asdfasdgd&orgid=1000198788

	Property	Required	Description
1	response_mode	true	Form method responses default : ' form_post'
2	response_type	true	Select the fields you want to receive default: 'code id_token'
3	scope	true	Required scopes when logging into the haravan system default : 'openid profile email org userinfo'
4	client_id	true	App ID was obtained after creating the application in step 1
5	redirect_uri	true	URL declared at step 1 in Url redirect, used to login to the haravan system
6	nonce	true	string random at least 1 character
7	orgid		+ If your account can log in to multiple shops, orgid will tell the system which shop you want to log in to. + If not, you will select the shop when you log in.

2.2 Response

- After successful login, the system will redirect to the **redirect_uri** that you have added to the request parameter of **authorize link** with POST method, along with the **code** and **id_token**.

Status	Response
200	{ "code": "c309cc6a97e7da821975d2440645892a95f13ce8e06af81ecffe5ed9db8fe7a3", "id_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6ImUyZTFkZDM4ODJkNTE4YTtkZWQ5MTVlYXVjbnMxNDc3MDExMCwiaXNzIjoiaHR0cHM6Ly9hY2NvdW50cy5oYXJhLnZuLiwiYXVkIjoicGJkOWEudmFjdC1NTTI4NTJIINTFlYTUzMTEtOTg3LWZlbiMiLCJub25jZSI6ImltjanFo7GxOZCIsImhhbmQiOiJhdC1MTU3MDc2OTgyMCwiYW19oYXNoIjoieRm9XSFRUUU50SWFRVn"

	<pre> FSlg5bVBMQSIslNpZCI6Ijc5NDgyZGExZGE5ZmZlZjJmMjY2NjVjOWE2Yjc4MmI liwic3ViIjoiMjAwMDAwMDIwMzMzMyYiYXV0aF90aW1lIjoxNTcwNjgwMDU2LCJ pZHAiOiIsb2NhbCIsInJvbGUiOiJhZG1pbilslm9yZ2lkIjoiMTAwMDExMzc2MyIsIn 1pZGRsZV9uYW1lIjoidGVzdCIsIm5hbWUiOiJ0ZXN0IiwiaWZlZW1haWwiOiI4YmQ5Y E0NzU1Mjg1MmU1MWVhNTcxMTEwNDc0ZmU2MyIsIm9yZ25hbWUiOiJob2Fp mFtMDIwMTExliwib3JnY2F0IjoiT3RoZXIiLCJhbXliOlsicHdkIl19.Q8I9ezKY6r22ex DkqBjXbHHirFFg7HRc33DFRHP0ID6E1XyPsry2zgsyVpP4EVtOs0jl0fEzaLvpKLa FDlqNAwMnnRbPqECazMJ50TDKGTJsEO9Xj-v- TwqMDWPEwV_Abemj8_deovPCw_3wAxxB3mta1GLqz12iBD7m9jllWFEzqEvIU LhdrQ_isMQwjBaxA2r8oQHqQlxVuUAOPKOGP- mCCUa8kGGAFPtd3df14C7EezgNE2xtdjv1ltE4_SCdvaF6- hTMrE5smildtgRp3gGv2_QmgGnU1IV8rPGcT3OyaOtywaaQDBSyGcCkF6OXT30 Ez1guJvllVYJ9Alqg", "scope": "openid profile email org userinfo", "session_state": "cE63E1b725ke5g329GmRQLnEydXpuQanSCG_DF8AbKM.15223afbde03d10d2 8e85b1be797e41" } </pre>
401	Unauthorized
422	{"error": "Unprocessable Entity"}
500	Something went wrong. Please try again later.

3 Step 3: Get information of user

- After login successfully, the application will receive the **code** and **id_token**.
- Decode **id_token** get user information, role, orgid, sid of user :
 - + Use **jsonwebtoken** library: <https://www.npmjs.com/package/jsonwebtoken> to decode **id_token**
 - + Or decode **id_token** with online tool : <https://jwt.io/>
- **Note :**
 - + You need to save this information to use.
 - + sid of user is used to verify when the user logout.

```
{
  "nbf": 1570769820,
  "exp": 1570770120,
  "iss": "https://accounts.haravan.vn",
  "aud": "8bd9a147552852e51ea571110474fe63",
  "nonce": "kcjqhdld",
  "iat": 1570769820,
  "c_hash": "FoWHTKQNTIaQVwEJX9mPLA",
  "sid": "79482da1da9ffef2f26665c9a6b782b3",
  "sub": "200000020332",
  "auth_time": 1570680056,
  "idp": "local",
  "role": "admin",
  "orgid": "1000113763",
  "middle_name": "test",
  "name": "test",
  "email": "8bd9a147552852e51ea571110474fe63",
  "orgname": "hoainam09_111",
  "orgcat": "Other",
  "amr": [
    "pwd"
  ]
}
```

4 Step 4: Add more scope when login

- Select scope to request permission to edit or read data.
- The scope is divided into two categories
- Identify users who can add more scope when login :
 - + If the user is an admin, the user can use all scope.
 - + If the user is not an admin, the user only uses scopes corresponding to the user's **role**.
 - + **Note :**
 - The role of user is received when you decode id_token at the [step 3](#)
 - This role can be changed in the seller's settings.

- **Note :**
 - + When choosing a scope, you must add that scope to the **authorize link** to use when login.
 - + When using write permission must include read permission.
 - + When only using read permission, there is no need to write permission.
 - + Ex :
 - com.write_products com.read_products (Use both write and read products for the application)
 - com.read_products (Only use read products for the application)
- Reference : <https://docs.haravan.com/blogs/omni/tutorial-use-scope>

5 Step 5: Get access_token from code

- Use the oauth library <https://www.npmjs.com/package/oauth> to get access_token.
- After successfully, you will receive a token, save the token for use.
- **Note :**
 - + You need to add scope at step 4 to do this step. If not, move to the next step.
 - + If you take the access_token without adding more scope, there is nothing you can do with this access_token.
 - + This access_token only exists for 2 hours

5.1 Demo code to get access_token:

get access_token
Comments 0
Examples 0

POST
https://accounts.haravan.com/connect/token
Send
Save

Params
Authorization
Headers (10)
Body
Pre-request Script
Tests
Settings
Cookies
Code

Headers
9 hidden

	KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/x-www-form-urlencoded				
	Key	Value	Description			

get_access_token

POST https://accounts.haravan.com/connect/token

Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
code	YDjg-QdtcNzeYSryDWBMA2gbuLwKQruluRj_bsPcGw	
client_id	5a2d99f6156248400dac8850710335d6	
client_secret	d4b0ac7003ae92baea38e1ec21a6d029de5ca2b29dfd1724...	
grant_type	authorization_code	
redirect_uri	https://804ae17e.ngrok.io/login	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 123ms Size: 1.47 KB Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "id_token":
  "eyJhbGciOiJSUzI1NiIsImtpZCI6ImUyZTFkZDM4ODJkNTE4YTk2OGQ5MVYiYTU3NmQxNzdhliwidHlwIjoiaHR0cHM6Ly9hY2NvdW50cy5oYXhLnZuZiwiYXVkljoiOWY4M2ZmYzZkZmDEyOWUyZjRkMTFhZjBmYzYwYiQyNTEiLCJub25jZSI6ImtjanFoZGx0ZCIsImhhdCI6MTU1OTgwNTI1NSwiYX

```

	Property	Required	Description
2	grant_type	true	Type of code level. default "authorization_code"
3	callback_url	true	URL declared at step 1 in Url redirect, used to login to the haravan system.
4	client_id	true	App ID was obtained after creating the application in step 1
5	client_secret	true	App Secret was obtained after creating the application in step 1
6	code	true	Code received in step 2 .

5.2 Response get_access_token

Status	Response
200	<pre> params: { "id_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6ImUyZTFkZDM4ODJkNTE4YTk2OGQ5MVYiYTU3NmQxNzdhliwidHlwIjoiaHR0cHM6Ly9hY2NvdW50cy5oYXhLnZuZiwiYXVkljoiOWY4M2ZmYzZkZmDEyOWUyZjRkMTFhZjBmYzYwYiQyNTEiLCJub25jZSI6ImtjanFoZGx0ZCIsImhhdCI6MTU1OTgwNTI1NSwiYX </pre>

	RfaGFzaCI6InlVcHBoaE15bnZUSUpWV0tzSkMtS3ciLCJzaWQiOiJhMzhkN2 M5YWM0ODZiZjBhOTM2OWI4ZjRiZjk2NDcxZCIsInN1YiI6IjEwMDAxMT Q5OTAiLCJhdXRoX3RpbWUiOiE1NTk4MDUwODAsImlkciCI6ImxvY2FsIiw cm9sZSI6WyJjb21fYXBpLmFkbWluLiwiYWRTaW4iXSswib3JnaWQiOiIxMDA wMTEzNzYzIiwibWlkZGxIX25hbWUiOiJCw7lpIMSQaW5oIEhvw6BpIE5hbS sIm5hbWUiOiJCw7lpIMSQaW5oIEhvw6BpIE5hbSIsImVtYWlsIjoieYnVpZGlu GhvYWluYW1AZ21haWwuY29tIiwib3JnbmFtZSI6ImhvYWluYW0wOSIsIm9 yZ2NhZCI6Ik90aGVyLiwiYW1yIjpbInB3ZCJdfQ.P7xXf0ftuiADd5I8v7uQfJk6 m839z4RFt_Q9RfpMg_MsqIFgnmpJ4lgB2Zcsjw_SwSasEpszXQ2Dwy8- kt0C5YYvAjKPdTk8DNNZidav9FqtM-53rR-DMbyyoDes8- pWed2J_cTFHEhlayfljYowAsUo6n3snJAwIHdpnRaHVGyFOi56N6Y8eSA840 NrKRPIBpjfhKY8Pk0pmY_0XOfO7aInPt0RPK42sf0gRVWJR2hSksJaOBL5P0 pSDq5A_uT2o-YsE8nZ0OASKzE4aQ0Qeqo- Rx9LaJIzWuJKnyVmFSgl2gJHJUvgTZ0slD5fMmtRuZOSFIDibp8J6wtTnb_M Q", "access_token": "86f6ab839b301903cc6223dbe236aaa874fa5aa882b8d3d121ba91f8ce660f35", "expires_in": 86400, "token_type": "Bearer" }
401	Unauthorized
422	{"error": "Unprocessable Entity"}
500	Something went wrong. Please try again later.

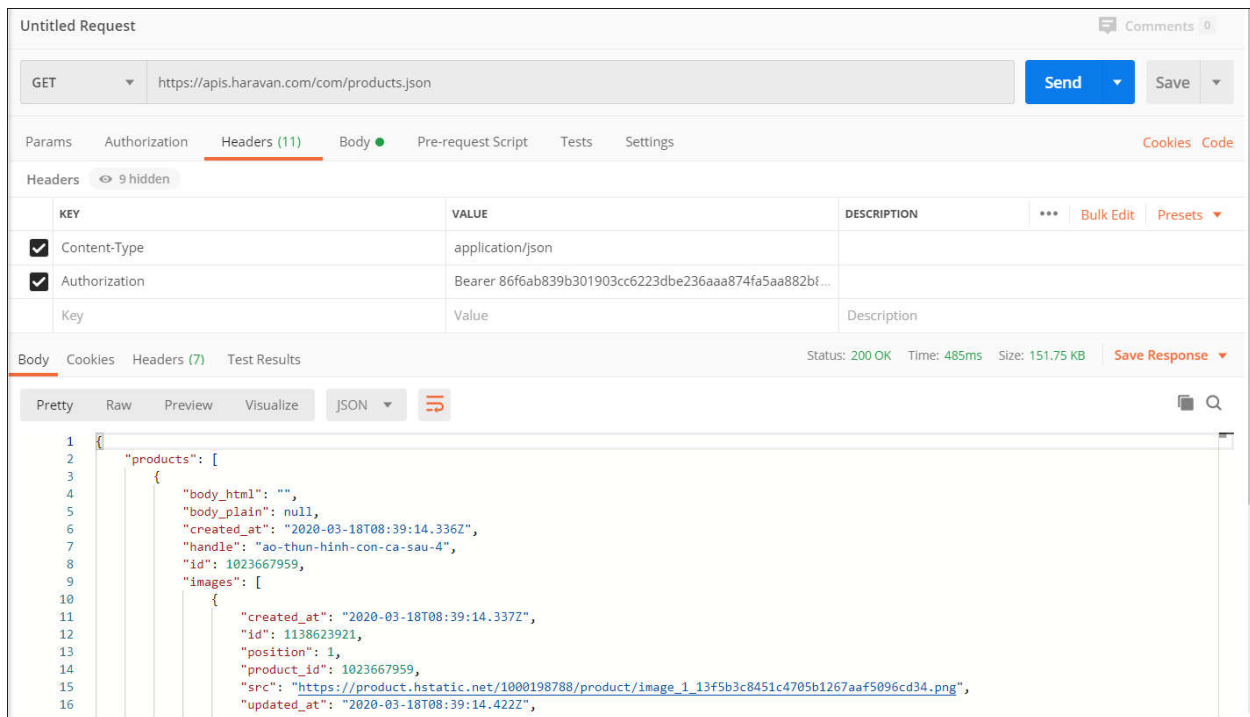
5.3 Use access_token:

- After retrieving access_token, you can use that token to query data from the api
- Ex: use access_token to get the products of shop by postman.

Headers :

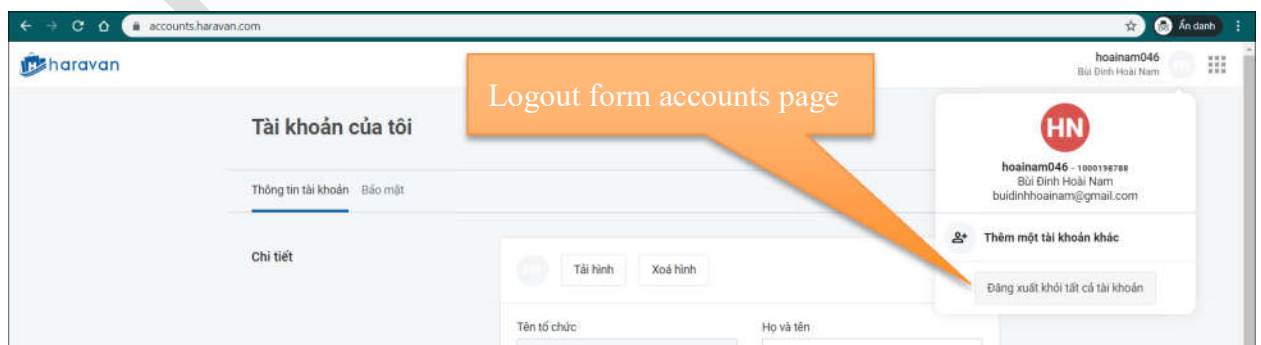
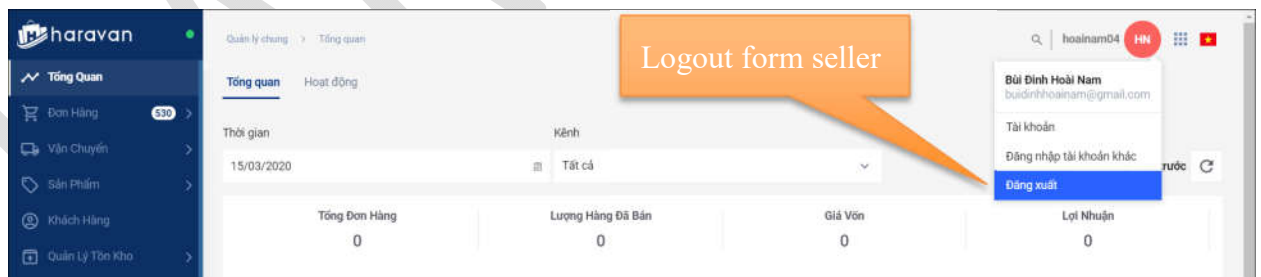
Content-Type : application/json

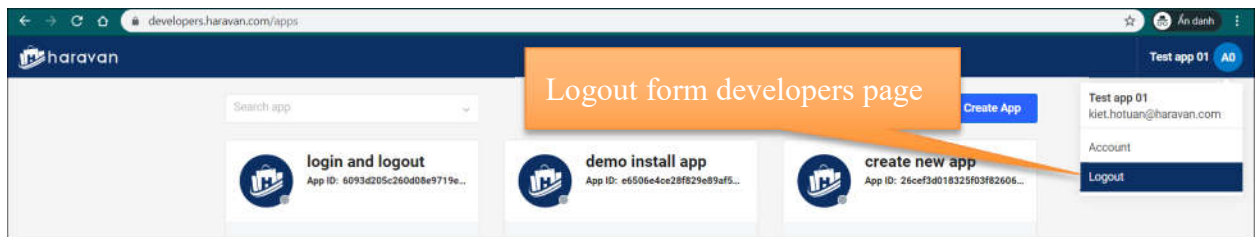
Authorization : Bearer + access_token



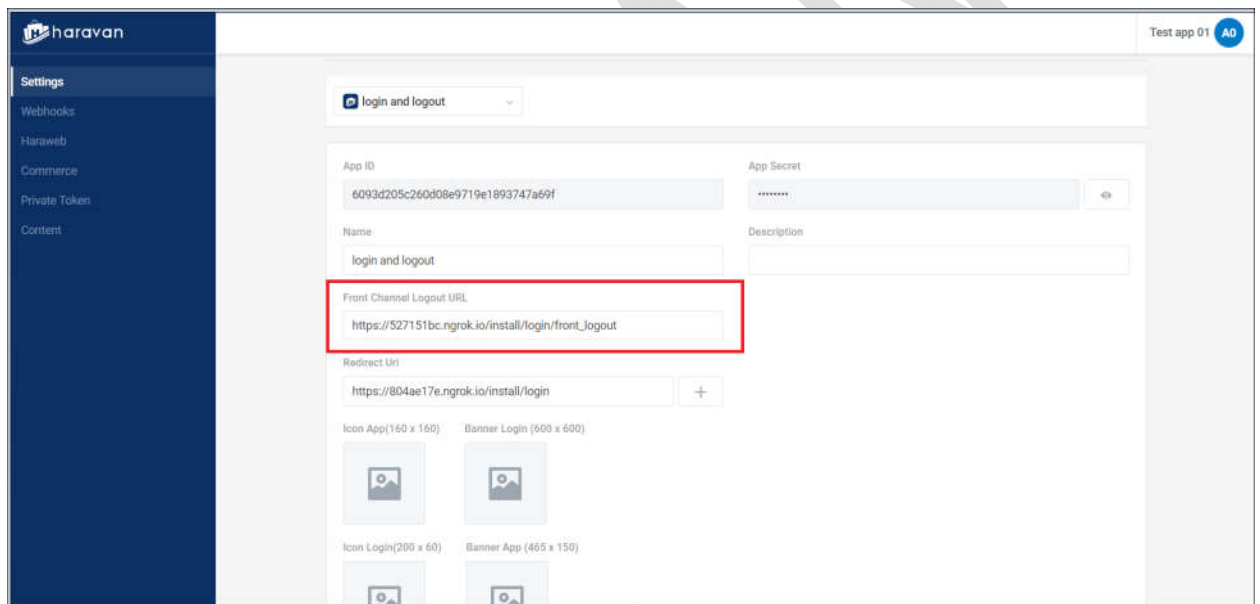
6 Step 6: Hook logout:

- When the user logout of the system, it may be from the seller, <https://developers.haravan.com/> or <https://accounts.haravan.com/>, the system will send a request to your application.

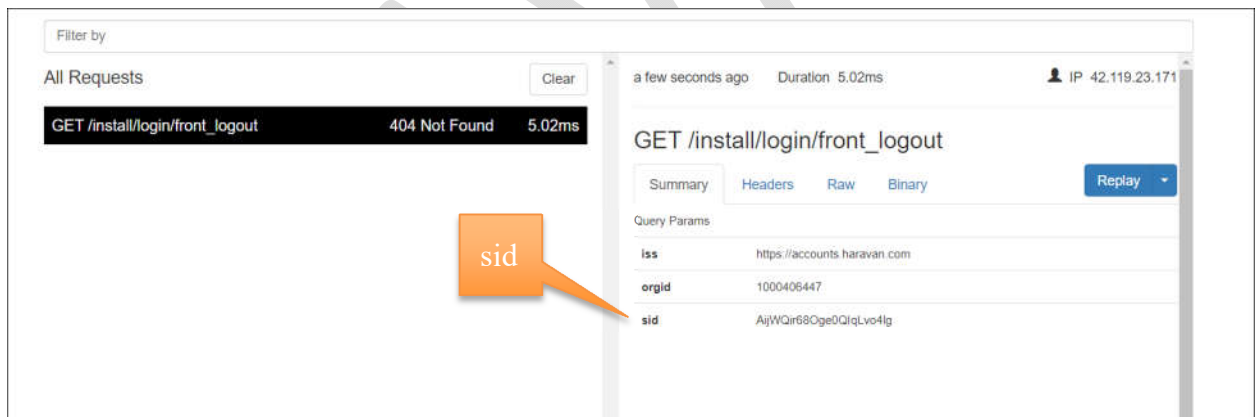
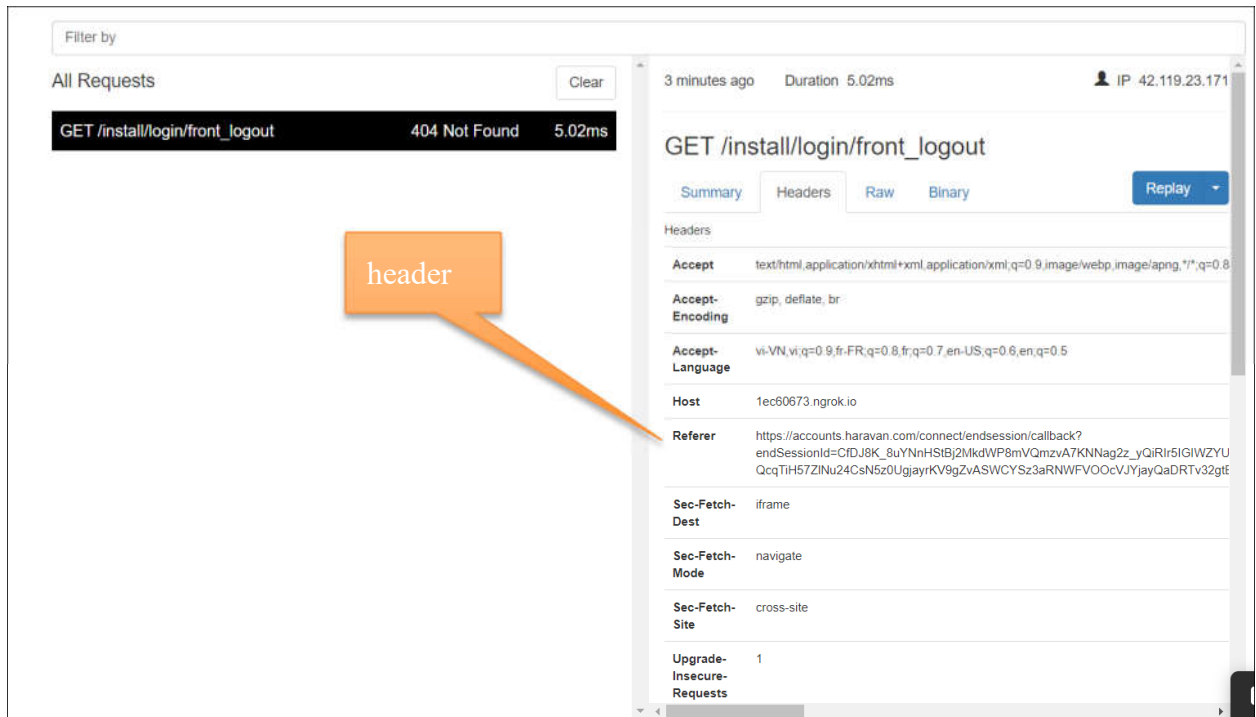




- The request will be sent to the URL in **Front Channel Logout** URL with the **GET** method.
- This URL is obtained when you create the app successfully at <https://developers.haravan.com>.



- This request will include the **sid** of the logged out account in the query.



- **sid** you get will correspond to the **sid** when that user's login.
- Once you have **sid** of the logout account, use it to query the corresponding user in database.

7 Step 7: Redirect to logout page of Haravan:

- This url will help you redirect to the Haravan logout page.
- **Note** : You will be logged out of all existing accounts on haraAccount.

Method	URL
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REDIRECT

<https://accounts.haravan.com/connect/endsession>

