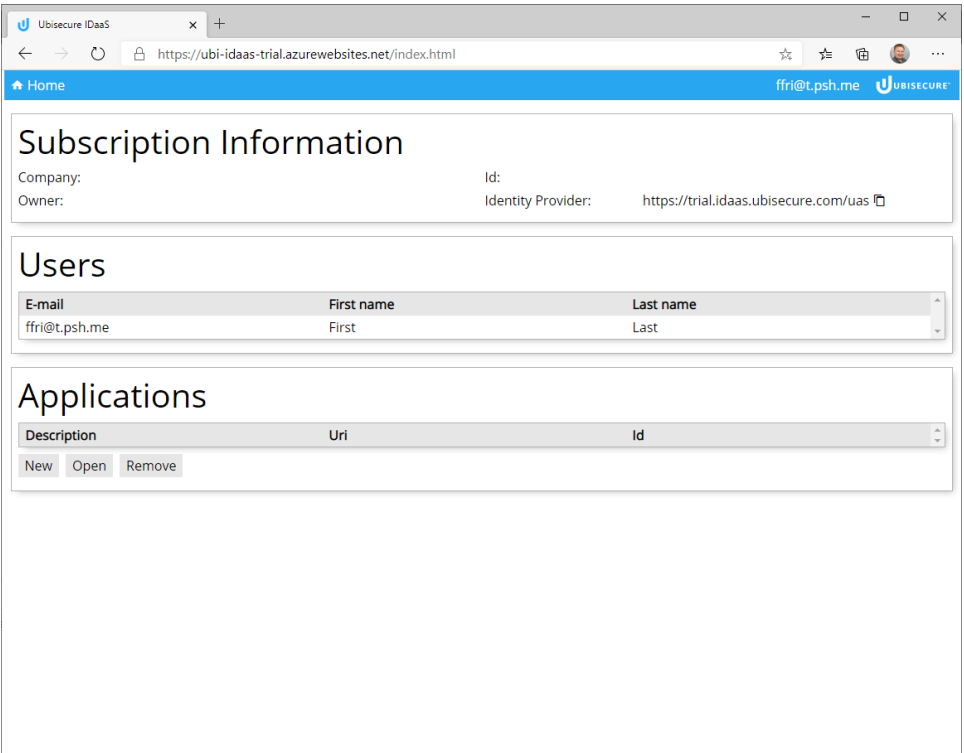
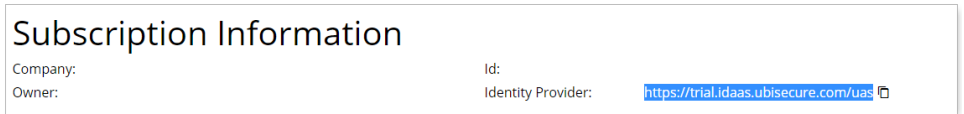


Application Registration Walkthrough

This Steplist document describes how you can Register a new Application to an Identity Platform using the Trial Console tool. For this procedure, there is an OpenID Connect Tester tool available if you do not have your own Application available. Note, the Registration process is done by using OpenID Connect protocol thus the Application should support it.

Note, pay attention which tool is used in each step, **Trial Console** or **OpenID Connect Tester**.

IDaaS Trial Console

Description	Picture
<p>Navigate to Trial Console</p> <p>https://ubi-idaas-trial.azurewebsites.net/index.html</p> <p>(Note, best suited to be used with "New" Edge or Google Chrome browsers).</p> <p>If you aren't currently signed in, please sign-In with your IDaaS Account from Initial Main User Registration walkthrough (click the link if you have not registered an account yet).</p>	
<p>Highlight "Identity Provider" in Trial Console and press Control-C to copy value on clipboard</p>	

In another tab, navigate to the **OpenID Connect Tester** configuration page

<https://psteniusubi.github.io/oidc-tester/configuration.html>

The screenshot shows the OpenID Connect configuration interface. At the top, there is a navigation bar with 'Home', 'Tester', and 'Configuration' tabs. The main content area is divided into two sections: 'Identity Provider' and 'Client'. The 'Identity Provider' section has a dropdown menu with 'Instant' selected and 'Issuer' displayed. Below it are 'New', 'Edit', and 'Remove' buttons. The 'Client' section has a dropdown menu with 'Instant' selected and 'Uri' and 'Id' displayed. Below it are 'New', 'Edit', 'Set Active', and 'Remove' buttons.

Below Identity Provider click "New"

The screenshot shows the same OpenID Connect configuration interface, but with a modal dialog open for adding a new Identity Provider. The dialog has a title 'Identity Provider' and an input field for 'Issuer'. Below the input field are three buttons: 'Fetch metadata', 'Paste from Clipboard', and 'Clear'. A large text area contains a JSON object:

```
{}
```

. Below the text area are four input fields for 'authorization_endpoint', 'token_endpoint', 'userinfo_endpoint', and 'introspection_endpoint'. At the bottom of the dialog are 'OK' and 'Close' buttons.

Select "Issuer" field and press Control-V to paste provider name

<https://trial.idaas.ubisecure.com/uas>

Then click "Fetch Metadata"

The screenshot shows a web browser window with the URL <https://psteniusubigithub.io/oidc-tester/configuration.html>. The page title is "Identity Provider" and it features a "Fetch metadata" button. A dialog box is open, displaying the following JSON metadata:

```
{
  "issuer": "https://trial.idaas.ubisecure.com/uas",
  "authorization_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/authorization",
  "token_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/token",
  "userinfo_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/userinfo",
  "jwks_uri": "https://trial.idaas.ubisecure.com/uas/oauth2/metadata.jwks",
  "tokeninfo_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/introspection",
  "introspection_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/introspection",
  "revocation_endpoint": "https://trial.idaas.ubisecure.com/uas/oauth2/revocation",
  "response_types_supported": [
    "code"
  ]
}
```

Below the JSON, there are input fields for the endpoints:

- authorization_endpoint:
- token_endpoint:
- userinfo_endpoint:
- introspection_endpoint:

At the bottom of the dialog are "OK" and "Close" buttons.

Click "OK" to save new Identity Provider

The screenshot shows the same web browser window. The "Identity Provider" section now displays a table with one entry:

Instant	Issuer
2020-10-15T12:31:59.490Z	https://trial.idaas.ubisecure.com/uas

Below the table are "New", "Edit", and "Remove" buttons.

The "Client" section below it is currently empty, with a table header showing "Instant", "Uri", and "Id", and "New", "Edit", "Set Active", and "Remove" buttons.

Below Client click "New"

Then click "Copy to Clipboard"

OpenID Connect configuration page. The modal dialog shows the following configuration:

```
{
  "redirect_uris": [
    "https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html",
    "https://psteniusubi.github.io/oidc-tester/spa.html"
  ],
  "scope": "openid"
}
```

Input fields: redirect_uris (https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html https://psteniusubi.github.io/oidc-tester/spa.html), scope (openid), client_id (client_id), client_secret (client_secret). Buttons: OK, Close.

Move back to IDaaS Trial Console tab

Below Applications click "New"

Ubisecure IDaaS console. The modal dialog shows the following configuration:

Company: Application
Owner: [empty]

Description: Description
Product: basic

```
{}
```

Input field: redirect_uris (redirect_uris). Buttons: Register, Close.

Enter a description for this application

Then click "Paste from Clipboard"

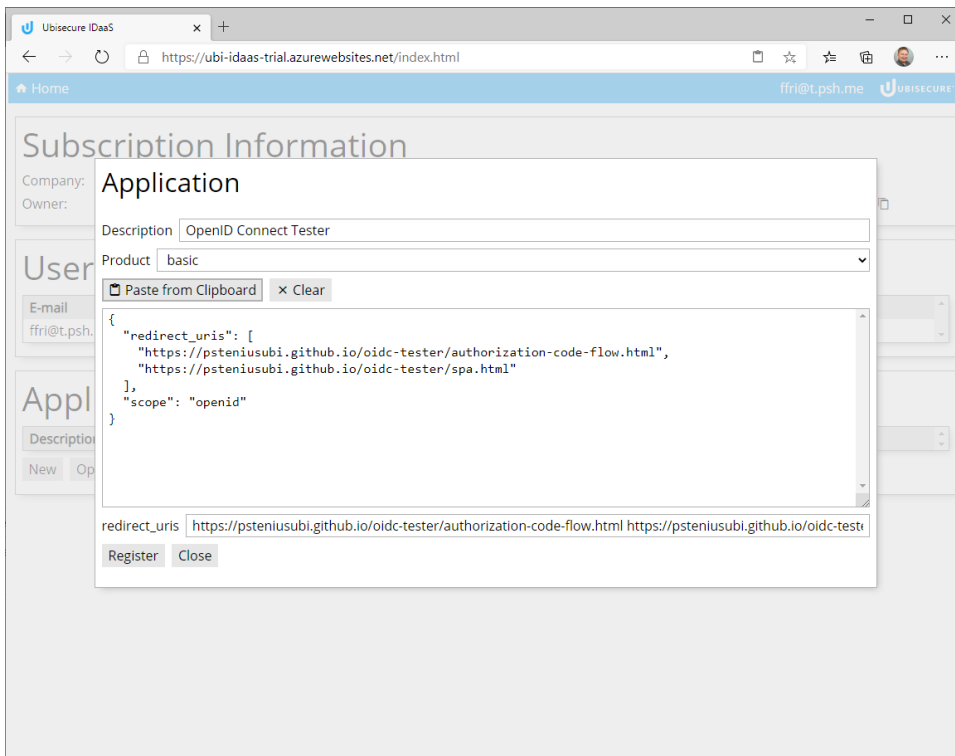
NOTE!

All browsers do not allow pasting from the clipboard. In these cases

"Copy from Clipboard" button does not appear in the Application dialog.

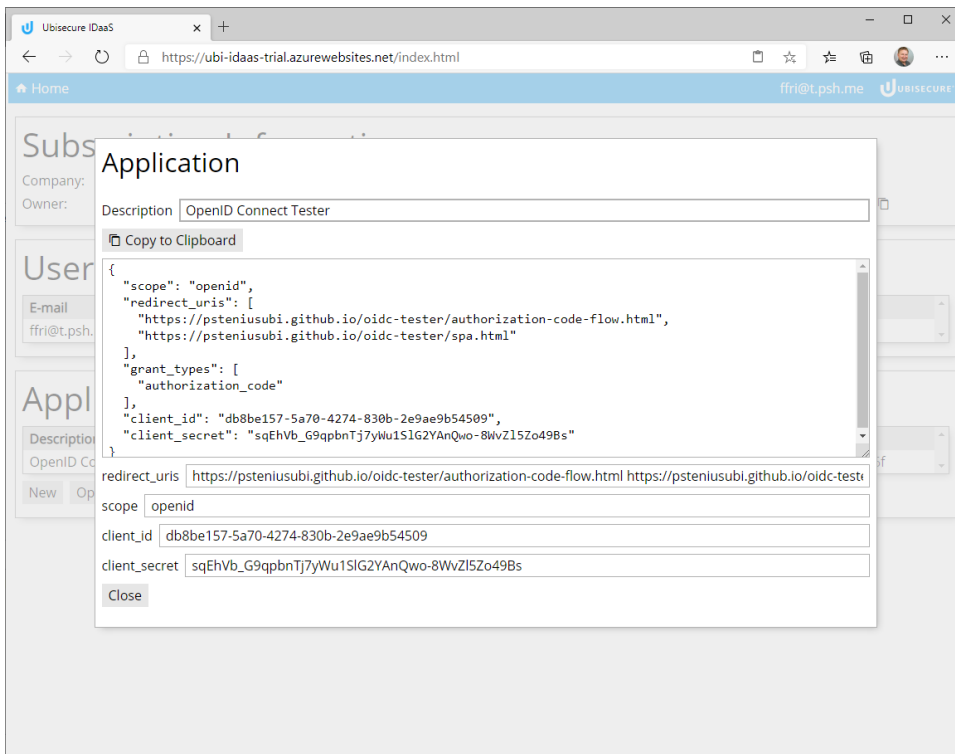
You can paste the content by selecting the field and pressing Control + v.

See the example picture on right for the end result.



Click "Register" to create Registration. Allow few seconds for the operation to complete

then click "Copy to Clipboard"



Move to **Open ID Connect Tester** tab

Click "Paste from Clipboard"

The screenshot shows a web browser window with the URL `https://psteniusubi.github.io/oidc-tester/configuration.html`. The page title is "OpenID Connect" and the breadcrumb is "Home Tester Configuration". The main content area is titled "Identity Provider" and "Client". A modal window is open for editing a client configuration. The modal has a title bar with "Copy to Clipboard", "Paste from Clipboard", and "Clear" buttons. The configuration is as follows:

```
{
  "scope": "openid",
  "redirect_uris": [
    "https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html",
    "https://psteniusubi.github.io/oidc-tester/spa.html"
  ],
  "grant_types": [
    "authorization_code"
  ],
  "client_id": "db8be157-5a70-4274-830b-2e9ae9b54509",
  "client_secret": "sqEhVb_G9qpbntJ7yWu1SIG2YAnQwo-8WvZ15Zo49Bs"
}
```

Below the modal, there are input fields for:

- redirect_uris: `https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html https://psteniusubi.github.io/oidc-tester/`
- scope: `openid`
- client_id: `db8be157-5a70-4274-830b-2e9ae9b54509`
- client_secret: `sqEhVb_G9qpbntJ7yWu1SIG2YAnQwo-8WvZ15Zo49Bs`

Buttons "OK" and "Close" are at the bottom of the modal.

Click "OK" to save registration

The screenshot shows the same web browser window. The "Client" section now displays a table with the following data:

Instant	Uri	Id
2020-10-15T12:39:18.949Z	<code>https://psteniusubi.github.io/oidc-tester/autho</code>	<code>db8be157-5a70-4274-830b-2e9ae9b54509</code>

Buttons "New", "Edit", "Set Active", and "Remove" are visible below the table.

Click "Set Active" to make this configuration active

The screenshot shows the OpenID Connect configuration interface. At the top, there's a navigation bar with "Home", "Tester", and "Configuration" tabs. The main content is divided into two sections: "Identity Provider" and "Client".

Identity Provider

Instant	Issuer
✓ 2020-10-15T12:31:59.490Z	https://trial.idaas.ubisecure.com/uas

Buttons: New, Edit, Remove

Client

Instant	Uri	Id
✓ 2020-10-15T12:39:18.949Z	https://psteniusubi.github.io/oidc-tester/oidc-tester/authorize	db8be157-5a70-4274-830b-2e9ae9b54509

Buttons: New, Edit, Set Active, Remove

Click "Tester" to start Authorization Code flow

Or navigate to <https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html>

The screenshot shows the "Authorization Request" form in the OpenID Connect interface. The form contains several input fields for configuring the authorization request.

Authorization Request

authorization_endpoint: https://trial.idaas.ubisecure.com/uas/oauth2/authorization

response_type: code

client_id: db8be157-5a70-4274-830b-2e9ae9b54509

redirect_uri: https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html

scope: openid

state: cqAE93xCr5wBG3VMQQGykabjj8ILDerj

nonce: TIEK_sL4jNjySrIjb8n5nU59Ds52a-68

display: display

max_age: max_age

prompt: [dropdown]

ui_locales: ui_locales

acr_values: acr_values

code_challenge_method: [dropdown]

code_challenge: code_challenge

Buttons: GET, Reset

Authorization Response

Token Request

Token Response

Click "GET" to send Authorization Request

SSO server may prompt for authentication

When completed Authorization Response and Token Request are shown

The screenshot shows the OpenID Connect interface with the following sections:

- Authorization Request**
- Authorization Response**
 - code: eyJjdHkiOiJKV1QiLCJhbGciOiJkaXIIlCJlbmMiOiJBMtI4Q0JDLUhtMjU2liwiemlwjoiREVGliwiaXNzIjoizGI4YmUxNTctNWE3MC00Mjc0LTgzMGltM
 - state: cqAE93xCr5wBG3VMQQGykabj8LLDerj
- Token Request**
 - token_endpoint: https://trial.idaas.ubisecure.com/uas/oauth2/token
 - grant_type: authorization_code
 - code: eyJjdHkiOiJKV1QiLCJhbGciOiJkaXIIlCJlbmMiOiJBMtI4Q0JDLUhtMjU2liwiemlwjoiREVGliwiaXNzIjoizGI4YmUxNTctNWE3MC00Mjc0LTgzMGltM
 - code_verifier: code_verifier
 - redirect_uri: https://psteniusubi.github.io/oidc-tester/authorization-code-flow.html
 - client_id: db8be157-5a70-4274-830b-2e9ae9b54509
 - client_secret: sqEhVb_G9qpbntj7yWu1SlG2YAnQwo-8WwZl5Zo49Bs
 - Buttons: POST, Reset
- Token Response**
- ID Token**
- ID Token Decoded**
- Introspection Request**

Click "POST" to send Token Request

Token Response and ID Token are shown

The screenshot shows the OpenID Connect interface with the following sections:

- Authorization Request**
- Authorization Response**
- Token Request**
- Token Response**
 - access_token: eyJjdHkiOiJKV1QiLCJhbGciOiJkaXIIlCJlbmMiOiJBMtI4Q0JDLUhtMjU2liwiemlwjoiREVGliwiaXNzIjoizGI4YmUxNTctNWE3MC00Mjc0LTgzMGltM
 - scope: openid
 - id_token: eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJzdWwiOiIyZjgzNThiYi03ZDhiLTQ4ZGMtYTViM042ZTQ5YTVjNmM1Yjg1Ljpc3MiOiJodHRwczovL3
 - token_type: Bearer
 - expires_in: 3600
- ID Token**
 - jwt_uri: https://trial.idaas.ubisecure.com/uas/oauth2/metadata/jwks
 - id_token: eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJzdWwiOiIyZjgzNThiYi03ZDhiLTQ4ZGMtYTViM042ZTQ5YTVjNmM1Yjg1Ljpc3MiOiJodHRwczovL3
 - Buttons: Decode, Reset
- ID Token Decoded**
- Introspection Request**
- Introspection Response**

Click
"Decode" to
verify ID
Token and
display claims

The screenshot shows the OpenID Connect interface with the following sections visible:

- Token Request**
- Token Response**
- ID Token**
 - `jwtks_uri`: `https://trial.idaas.ubisecure.com/uas/oauth2/metadata/jwks`
 - `id_token`: `eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJzdWUiOiJzZjZzNHlY03ZDhLTQ4ZGMtYTVIMC04ZTQ5YTVjNmM1YjgILCJpc3MiOiJodHRwczovL...`
 - Buttons: `Decode`, `Reset`
- ID Token Decoded**
 - `typ`: `JWT`
 - `alg`: `RS256`
 - `sub`: `2f8358bb-7d8b-48dc-a5e0-8e49a5c6c5b8`
 - `iss`: `https://trial.idaas.ubisecure.com/uas`
 - `aud`: `db8be157-5a70-4274-830b-2e9ae9b54509`
 - `exp`: `1602769337`
 - `iat`: `1602765786`
 - `auth_time`: `1602764636`
 - `amr`: `https://trial.idaas.ubisecure.com/uas/saml2/names/ac/password.2`
 - `azp`: `db8be157-5a70-4274-830b-2e9ae9b54509`
 - `session_index`: `_e789cb9154265e23bdc2f12ce407130f2f734a0d`
 - `email`: `ffri@t.psh.me`
 - `family_name`: `Last`

Optional:
Introspection
Request

Scroll further
down and
click
"Introspection
Request" to
expand

The screenshot shows the OpenID Connect interface with the following sections visible:

- Authorization Request**
- Authorization Response**
- Token Request**
- Token Response**
- ID Token**
- ID Token Decoded**
- Introspection Request**
 - `introspection_endpoint`: `https://trial.idaas.ubisecure.com/uas/oauth2/introspection`
 - `token`: `eyJjdHkiOiJKV1QiLCJhbGciOiJkaXILCJlbmMiOiJBMjI4Q0QjDLUhTMjU2IiwiaWwiOiJ0eXNzIjojZGI4YmUxNTctNWE3M0Mjc0LTg2MGIt...`
 - `client_id`: `db8be157-5a70-4274-830b-2e9ae9b54509`
 - `client_secret`: `sqEhVb_G9qpbNtj7yWu1SlG2YAnQwo-8WwZl5Zo49Bs`
 - Buttons: `POST`, `Reset`
- Introspection Response**
- Userinfo Request**
- Userinfo Response**

Click "POST"
to send
Introspection
Request

Introspection
Response
with claims is
shown

NOTE!

User Info
Request is
not available
at the
moment.

OpenID Connect

https://psteniusubigithub.io/oidc-tester/authorization-code-flow.html

Introspection Request

introspection_endpoint	https://trial.idaas.ubisecure.com/uas/oauth2/introspection
token	eyJjdHkiOiJKV1QiLCJhbGciOiJIUzI1NiJBMtI4Q0JDLUhTMjU2liwiemlwiwoiREVGlwiwXNzjoizGI4YmUxNTctNWE3MC00Mjc0LTgzMGltM...
client_id	db8be157-5a70-4274-830b-2e9ae9b54509
client_secret	sqEhVb_G9qpbntj7yWu1SlG2YAnQwo-8WvZl5Zo49Bs

Introspection Response

sub	2f8358bb-7d8b-48dc-a5e0-8e49a5c6c5b8
iss	https://trial.idaas.ubisecure.com/uas
aud	db8be157-5a70-4274-830b-2e9ae9b54509
exp	1602769386
iat	1602765786
auth_time	1602764636
amr	https://trial.idaas.ubisecure.com/uas/saml2/claims/ac/passwd.2
azp	db8be157-5a70-4274-830b-2e9ae9b54509
session_index	_e789cb9154265e23bd2f12ce407130f2f734a0d
email	ffri@t.psh.me
family_name	Last
given_name	First
roles	idaasconsoles/TrialConsoleUser,58624feb-a5a5-46a1-9ff0-055060cc23ae/CMainUser
token_type	access_token
active	true