Activating the ORCID integration

- Overview
- When applying for credentials
  - Informing the users
  - Connecting to your application
- Configuring VIVO
  - The Client ID from your ORCID credentials
  - The Client Secret from your ORCID credentials
  - The base URL for your VIVO application, as seen from outside.
  - The version of ORCIDs API protocol that VIVO will expect.
  - The label used to describe a VIVO profile page
  - The entry point for ORCID's public API.
  - The entry point for ORCID's private API.
  - The entry point for ORCID's OAuth implementation
  - A callback URL within ORCID's OAuth implementation

If your site is a member of ORCID, you can activate the ORCID Integration code in VIVO.

Overview

VIVO contains code that will converse with the ORCID registry through its API. When this conversation is enabled, a VIVO user can authoritatively confirm his ORCID iD in VIVO, and cite his VIVO page in his ORCID record as an external identifier.

In order to activate the VIVO-ORCID integration, your organization must have a membership in ORCID. You may then register your VIVO installation as a client application, and obtain the credentials needed for that connection.

Once you have the credentials, you can enter them in the runtime.properties file and restart VIVO.

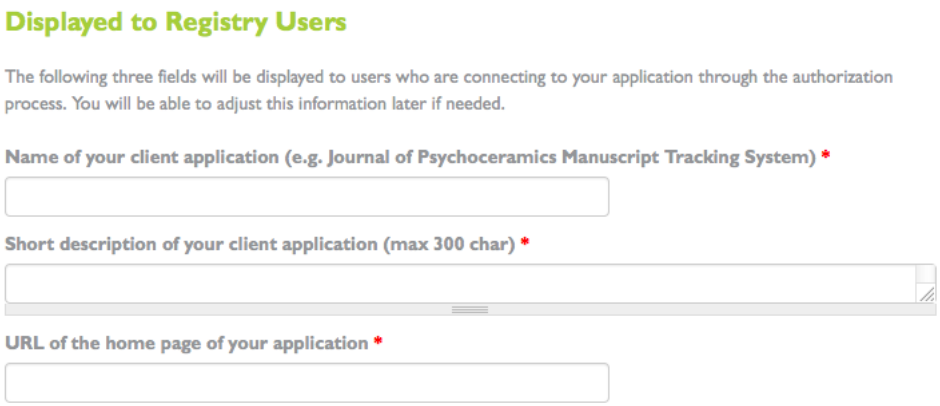
You may want to start by obtaining credentials for ORCID's sandbox API. This will let you see how the integration appears. If you have made local modifications to VIVO, you will want to ensure that they do not interfere with the integration before going into production.

Once you are satisfied that the integration is working as expected, you can apply for credentials on ORCID's production registry.

When applying for credentials

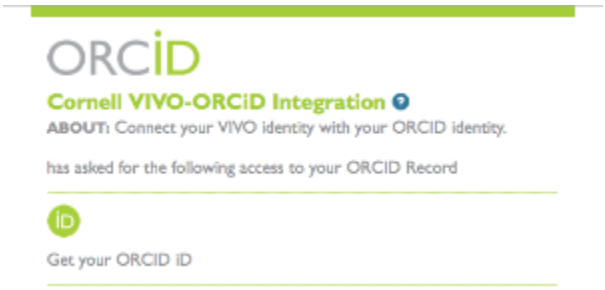
Informing the users

The user must grant authorization before VIVO can read or write to their ORCID record. Some of the text they see will come from your credentials. Notice this section of the application:



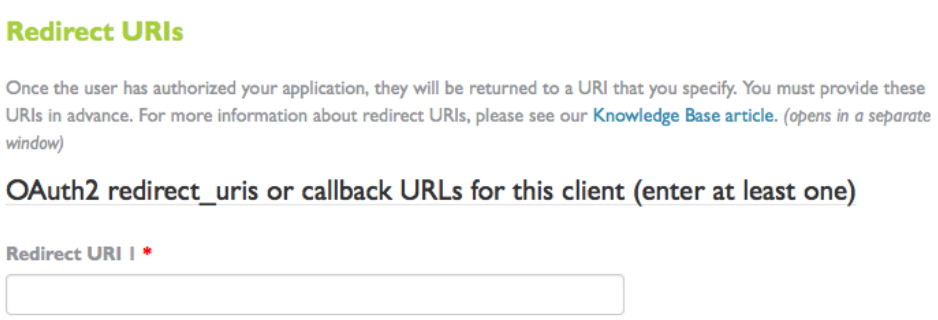
The name of your client application will be displayed to the user as they use the integration screens. Here is an example, where the name of the client application is "Cornell VIVO-ORCID Integration".

If the user clicks on the question mark, they will see the short description of your client application. In this example, the short description is "Connect your VIVO identity with your ORCID identity."



Connecting to your application

Once the user logs in to their ORCID account, and grants authorization to your application, the ORCID pages will transfer control of the session back to VIVO. In order to do that, it needs to know where your application is located. Notice this section of the application:



You may provide just the domain of your application, such as `http://vivo.mydomain.edu`.

Configuring VIVO

To converse with ORCID, VIVO requires these values in the `runtime.properties` file.

Property name	**`orcid.clientId`**
Description	The Client ID from your ORCID credentials When your application for credentials is accepted, you will receive a Client ID to be used in communications with the API. If you apply for sandbox credentials first, and then production credentials, you will likely receive two different Client IDs.
Default value	NONE
Example value	`0000-0012-0661-9330`

Property name	**`orcid.clientPassword`**

Description	The Client Secret from your ORCID credentials When your application for credentials is accepted, you will receive a Client Secred to be used in communications with the API. If you apply for sandbox credentials first, and then production credentials, you will likely receive two different Client Secrets.
Default value	NONE
Example value	`103de999-1a37-400c-309f-2094ba72c988`

Property name	**`orcid.webappBaseUrl`**
Description	The base URL for your VIVO application, as seen from outside. VIVO will use this to construct a callback URL that the ORCID API can use to return control to VIVO. The actual callback URL will be the string you provide here with the suffix of `/orcid/callback` added at the end.
Default value	NONE

Example value	`http://vivo.mydomain.edu`
	
	`http://some.domain.edu/vivo`

Property name	**`orcid.messageVersion`**
Description	The version of ORCIDs API protocol that VIVO will expect. The integration code in VIVO 1.7 requires a value of `1.0.23`
Default value	NONE
Example value	`1.0.23`

Property name	**`orcid.externalIdCommonName`**
Description	The label used to describe a VIVO profile page If the user authorizes the addition of their VIVO profile page to their ORCID record, it will appear as an "external ID", with this label
Default value	NONE
Example value	`VIVO profile page at Great Western University`

Property name	**`orcid.publicApiBaseUrl`**
Description	The entry point for ORCID's public API. This changes, depending on whether you are using the sandbox API or the production API.
Default value	NONE

Example value	`http://pub.sandbox.orcid.org/v1.1`
	
	`http://pub.orcid.org/v1.1`

Property name	**`orcid.authorizedApiBaseUrl`**
Description	The entry point for ORCID's private API. This changes, depending on whether you are using the sandbox API or the production API.
Default value	NONE

Example value	`http://api.sandbox.orcid.org/v1.1`
	
	`http://api.orcid.org/v1.1`

Property name	`orcid.oauthAuthorizeUrl`
Description	The entry point for ORCID's OAuth implementation This changes, depending on whether you are using the sandbox API or the production API.
Default value	NONE
Example value	`http://sandbox.orcid.org/oauth/authorize` `http://orcid.org/oauth/authorize`

Property name	`orcid.oauthTokenUrl`
Description	A callback URL within ORCID's OAuth implementation This changes, depending on whether you are using the sandbox API or the production API.
Default value	NONE
Example value	`http://api.sandbox.orcid.org/oauth/token` `http://api.orcid.org/oauth/token`