

6.5a i2b2 Webclient User Registration (new in 1.7.13)

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i2b2 User Registration Guide

A guide on how to do the following:

- enable/disable user self-registration in i2b2 webclient
- self-register new user

Whenever a new user is added (registered) into the system, no project is assigned to the user. Therefore, the new user cannot sign into the i2b2 application immediately after self registering. The administrator has to do the following first before the new user can sign in:

1. add the new user to a project
2. add the project roles to the new user

Enabling or Disabling User Self-Registration

The i2b2 webclient has two ways to self-register, local self-registration and federated self-registration.

Enabling Local User Self-Registration

Modify the file *i2b2_config_data.js* that is located in the directory */var/www/html/webclient/* to enable option for user self-registration. Set the value of the attribute **showRegistration** to **true** and set the value of the attribute **registrationMethod** empty. More detailed instructions are [here](#).

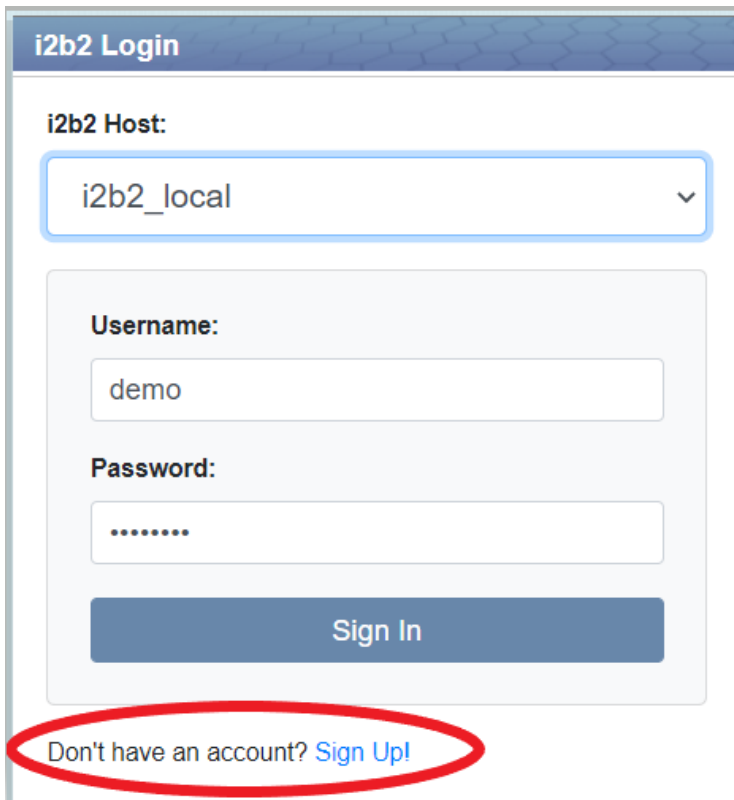


User registration requires the webserver and Wildfly to be running on the same server, so make sure that urlCellPM is 127.0.0.1:9090! (Your port could be different.)

For an example:

```
{
  domain: "i2b2demo",
  name: "i2b2_local",
  allowAnalysis: true,
  urlCellPM: "http://127.0.0.1:9090/i2b2/services/PMService/",
  registrationMethod: "local",
  loginType: "local",
  showRegistration: true,
  debug: true
}
```

Refresh the webpage and you should see the option to register user (circled in red):

A screenshot of the i2b2 Login page. At the top is a blue header with the text "i2b2 Login". Below the header, the text "i2b2 Host:" is followed by a dropdown menu showing "i2b2_local". Below this is a light gray box containing the login fields. The "Username:" field contains the text "demo". The "Password:" field contains a series of dots. Below the password field is a blue "Sign In" button. At the bottom of the form, the text "Don't have an account? Sign Up!" is circled in red.

i2b2 Login

i2b2 Host:

i2b2_local

Username:

demo

Password:

.....

Sign In

Don't have an account? [Sign Up!](#)

Enabling Federation User Self-Registration

Modify the file *i2b2_config_data.js* located in the directory */var/www/html/webclient/*. Set the value of the attribute **showRegistration** to *true* and set the value of the attribute **registrationMethod** to **saml**.

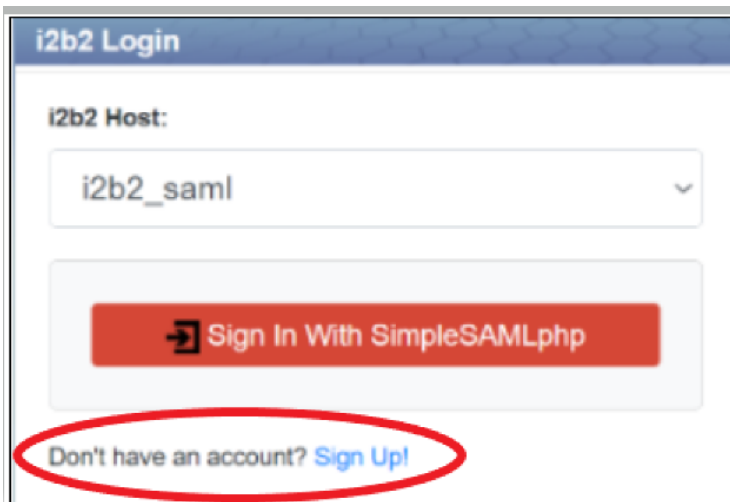


urlCellPM must be 127.0.0.1 because the AJP proxy for the PM cell will always run on the same server as the client. Here, no port is specified because we want the client to talk to the AJP proxy.

For an example:

```
{
  domain: "i2b2demo",
  name: "i2b2_saml",
  allowAnalysis: true,
  urlCellPM: "http://127.0.0.1/i2b2/services/PMService/",
  registrationMethod: "saml",
  loginType: "federated",
  showRegistration: true,
  debug: true
}
```

Refresh the webpage and you should see the option to register user (circled in red):



The image shows the 'i2b2 Login' dialog box. It has a title bar 'i2b2 Login'. Below it, there is a label 'i2b2 Host:' followed by a dropdown menu showing 'i2b2_saml'. Below the dropdown is a red button with a right-pointing arrow and the text 'Sign In With SimpleSAMLphp'. At the bottom, there is a link 'Don't have an account? Sign Up!' which is circled in red.

Disabling User Self-Registration

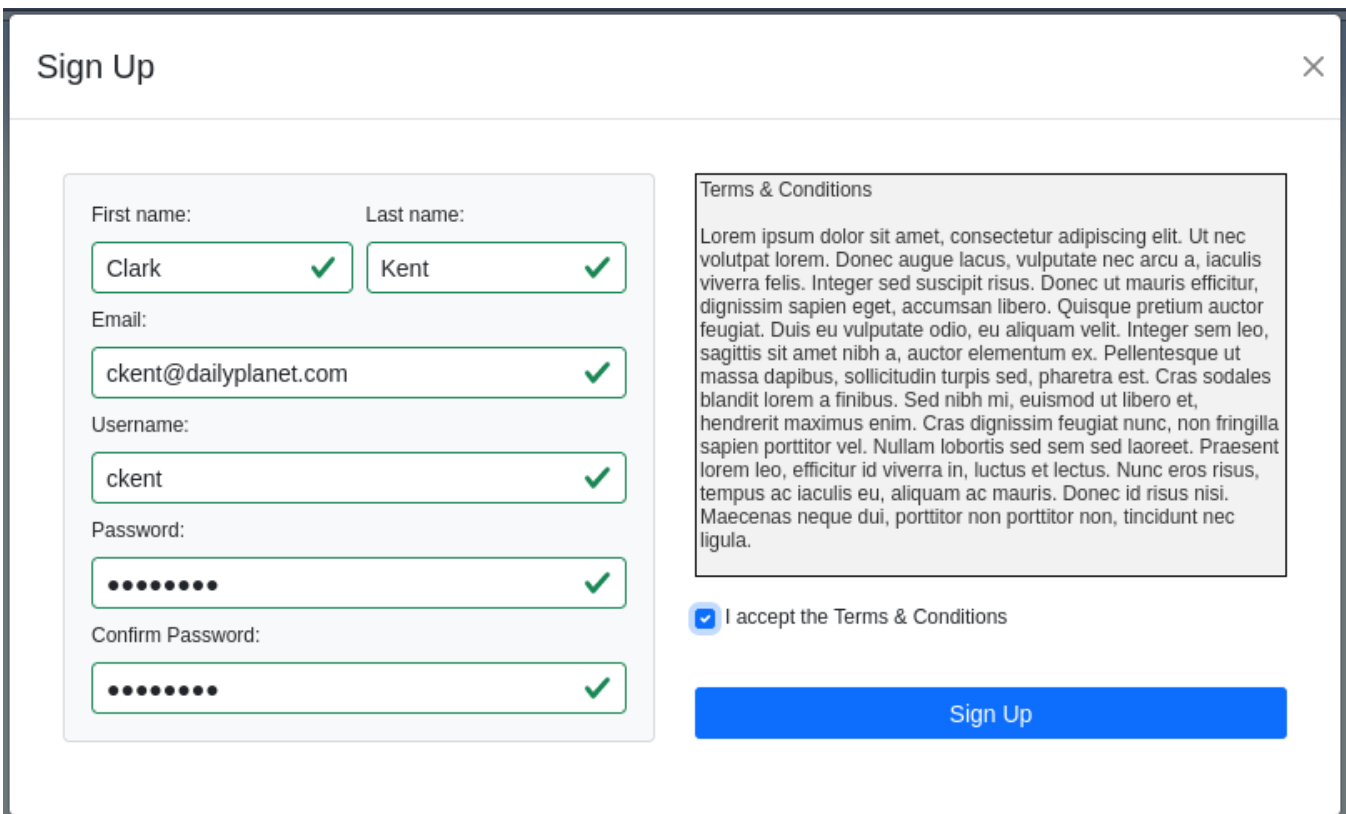
To disable user self-registration for either local registration or federation registration, set the value of the attribute **showRegistration** to **false** in the file `i2b2_config_data.js` located in the directory `/var/www/html/webclient/`.

Self-Registering New User

Local Self-Registering New User

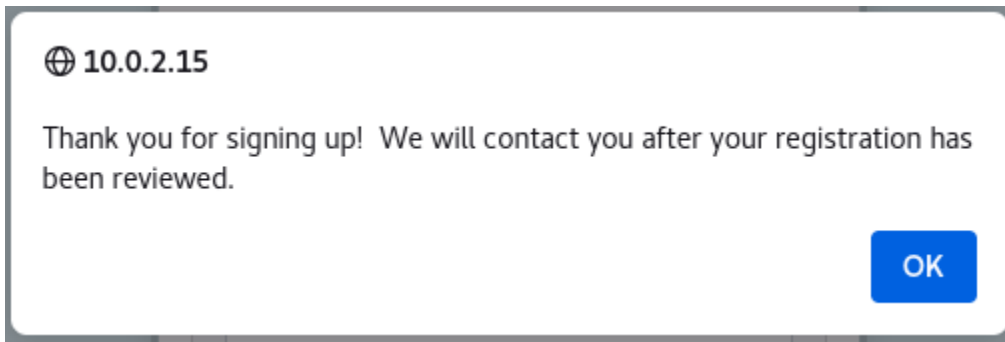
Click on the **"Sign Up"** link on the bottom of the **i2b2 Login** dialog. A **"Sign Up"** modal will pop up containing a form for self-registering. Fill out the user information on the left of the form. Carefully read the terms-and-conditions, click on the checkbox **"I accept the Terms & Conditions"**, and click on the button **"Sign Up"** to register on the right side of the form.

For an example:



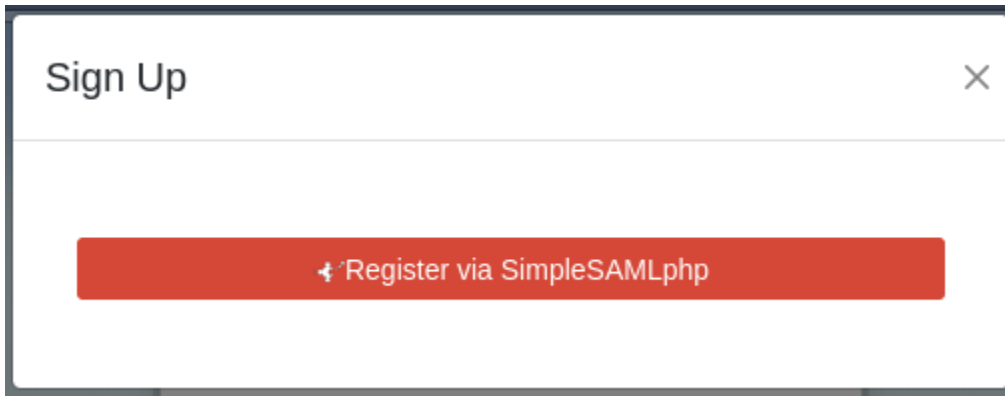
The image shows a 'Sign Up' modal form. It has a title bar 'Sign Up' with a close button (X). The form is divided into two main sections. The left section contains input fields for 'First name:' (Clark), 'Last name:' (Kent), 'Email:' (ckent@dailyplanet.com), 'Username:' (ckent), 'Password:' (masked with dots), and 'Confirm Password:' (masked with dots). Each field has a green checkmark to its right. The right section contains a 'Terms & Conditions' box with placeholder text. Below this box is a checkbox labeled 'I accept the Terms & Conditions' which is checked. At the bottom right is a blue button labeled 'Sign Up'.

Once registered, the sign-up modal will disappear and a confirmation alert will pop up at the main (login) page:



Federation Self-Registering New User

Click on the "**Sign Up!**" link on the bottom of the **i2b2 Login** dialog. A "**Sign Up**" modal will pop up containing a button to redirect you to your Identity Provider (IdP) for logging in:



Click the button to redirect to your IdP and sign in to your IdP:

For an example:

Enter your username and password

Afrikaans | Català | Čeština | Dansk | Deutsch | ελληνικά | English | Español | eesti keel | Euskara | Suomeksi | Français | עברית | Hrvatski | Magyar | Bahasa Indonesia | Italiano | 日本語 | Lëtzebuergesch | Lietuvių kalba | Latviešu | Nederlands | Nynorsk | Bokmål | Język polski | Português | Português brasileiro | Românește | русский язык | Sámeigiella | Slovenščina | Srpski | Sesotho | Svenska | Türkçe | isiXhosa | 简体中文 | 繁體中文 | IsiZulu

Enter your username and password

A service has requested you to authenticate yourself. Please enter your username and password in the form below.



Username

ckent

Password

•••••

Login

Help! I don't remember my password.

Without your username and password you cannot authenticate yourself for access to the service. There may be someone that can help you. Consult the help desk at your organization!

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Once you are logged in, you will be redirected back to the i2b2 user registration page containing the terms-and-conditions. Carefully read the terms-and-conditions, click on the checkbox "***I accept the Terms & Conditions***", and click on the button "***Sign Up***" to register.

Terms & Conditions

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut nec volutpat lorem. Donec augue lacus, vulputate nec arcu a, iaculis viverra felis. Integer sed suscipit risus. Donec ut mauris efficitur, dignissim sapien eget, accumsan libero. Quisque pretium auctor feugiat. Duis eu vulputate odio, eu aliquam velit. Integer sem leo, sagittis sit amet nibh a, auctor elementum ex. Pellentesque ut massa dapibus, sollicitudin turpis sed, pharetra est. Cras sodales blandit lorem a finibus. Sed nibh mi, euismod ut libero et, hendrerit maximus enim. Cras dignissim feugiat nunc, non fringilla sapien porttitor vel. Nullam lobortis sed sem sed laoreet. Praesent lorem leo, efficitur id viverra in, luctus et lectus. Nunc eros risus, tempus ac iaculis eu, aliquam ac mauris. Donec id risus nisi. Maecenas neque dui, porttitor non porttitor non, tincidunt nec ligula.

☒ I accept the Terms & Conditions

Sign Up

Once registered, the page will redirected back to the main (login) page with a confirmation alert:

10.0.2.15

Thank you for signing up! We will contact you after your registration has been reviewed.

OK

Note that the new user cannot sign in immediately after self-registering. An administrator has to add the new user to a project and add the project roles to the new user. Below is the error shown if the new user attempts to log in immediately after registering:

10.0.2.15

Your account does not have access to any i2b2 projects.

OK

Changing the Terms and Conditions

The content of the "Terms & Conditions" box in the registration tool can be changed by modifying the file `/var/www/html/webclient/i2b2-js/i2b2_ui_config.js`

Modify the `termsCondition` parameter of the JSON object `i2b2.UI.cfg`

```
i2b2.UI = {};  
/* Start Configuration. Note: be careful to keep trailing commas after each parameter */  
i2b2.UI.cfg = {  
  ...  
  termsCondition: "Terms & Conditions\n\nDo not talk about i2b2. It is a secret."  
  ...  
};
```

Adding New User to a Project

In the admin tool, you will see the new self-registered user. [Follow the admin tool instructions to add that user to a project.](#)

(The author's original version of this document is at: https://github.com/kvb2univpitt/i2b2-saml-demo/tree/main/doc/user_registration)