Configuring

Overview

One of the many advantages to HUBzero is the level of configuration that can be applied. Not only can you configure some global site settings, but individual components, modules, and plugins as well.

HUBzero also adds many other configuration options for extended registration information and more.

Registration

Overview

HUBs allow for considerable customization of the registration form for new members. While one HUB may present fields for filling in phone, website, and organization, another may take a more minimal approach and require only a username, password, and email address. This is all configurable.

Making Changes

1. First login to the administrative back-end.
2. Once logged in, find "Users" in the main menu bar located toward the top of the page. You should be presented with a drop-down menu containing a list of User related items.

3. Choose "Members" from the available options. On the resulting page, there should be a sub-menu (tabs).

4. Choose "Register" from the available options.

5. You should now be presented with a table of available user fields and their status for a particular action. This controls what fields the user will see, must fill in (required) or can fill in (optional) depending upon which action or state they are currently in. That is, you can make the username field required for the registration page ("create" column) but may not wish for your users to be able to edit this after creation ("read only" for the "update" and "edit" columns).

   Create column
         What the user sees on the registration page
   Proxy column
         What columns an administrator sees or must fill in when creating an account by proxy (i.e., for someone else)
   Update column
         What fields the user will see and/or must fill in if something has changed with what information is required at registration. An example of this would be if the "citizenship" field was, at one point, optional for registration but is now required. Setting this field to "Required" for the "Update" column will now require logged-in users to fill this information out.
   Edit column
         What fields the user will see and can edit for their user profile
   Field Option Definitions:
         Required = Must fill in

Optional = Can fill in
Hide = Not visible
Read only = Can view but cannot change

6. Once you feel ready to save your changes, scroll back to the top of the page and click "Save" (the icon that looks like a floppy disk) in the upper right portion of the page.

Changes take affect immediately.

Customizing Confirmation Email

All component layouts can be customized through overrides. Except for files that are provided in the "Joomla!" distribution itself, this method for customization eliminate the need for designers and developers to "hack" core files that could change when the site is updated to a new version. Because they are contained within the template, they can be deployed to the Web site without having to worry about changes being accidentally overwritten when your System Administrator upgrades the site. Some emails sent by the system, such as registration confirmations, are component layouts for just this reason of customization.

Quick Overview of Output Overrides

Layout overrides only work within the active template and are located under the /html/ directory in the template. For example, the overrides for "corenil" are located under /templates/corenil/html/.

It is important to understand that if you create overrides in one template, they will not be available in other templates. For example, "rhuk_milkyway" has no component layout overrides at all. When you use this template you are seeing the raw output from all components. When you use the "Beez" template, almost every piece of component output is being controlled by the layout overrides in the template. "corenil" is in between having overrides for some components and only some views of those components.

The layout overrides must be placed in particular way. Using "Beez" as an example you will see the following structure:

```
/templates
  /hubbasic
    /html
      /com_register  (this directory matches the component directory n
ame)
        /emails        (this directory matches the view directory name
)
          confirm.php (this file matches the layout file name)
```

The structure for component overrides is quite simple:
/html/com_{ComponentName}/{ViewName}/{LayoutName}.php.

Customizing The Confirmation Email

To override the component layout for the registration confirmation email, copy:

```
/components/com_register/views/emails/tmpl/confirm.php  (the email sen
```

```
t if the user resends a confirmation)
/components/com_register/views/emails/tmpl/create.php  (the email sent
 upon registration)
```

to:

```
/templates/{YourTemplate}/html/com_register/emails/confirm.php
/templates/{YourTemplate}/html/com_register/emails/create.php
```

If the destination directories do not exist, create them. And then edit the contents of the file(s) you just copied.

See [Template Overrides](#) for more information on customizing layouts and CSS.

Confirmation Return URL

By default, members who have just completed the confirmation process will be directed to a "Thank you" page. It is possible, in HUBzero, to change the redirection URL to something else.

Note: This only applies to the initial page the user sees upon confirmation of their email. To customize the return URL members are redirected to upon login see [Hub Configuration](#).

1. First login to the administrative back-end.
2. Once logged in, find "Components" in the main menu bar located toward the top of the page. You should be presented with a drop-down menu containing a list of your installed components.

3. Choose "Register" from the available options.
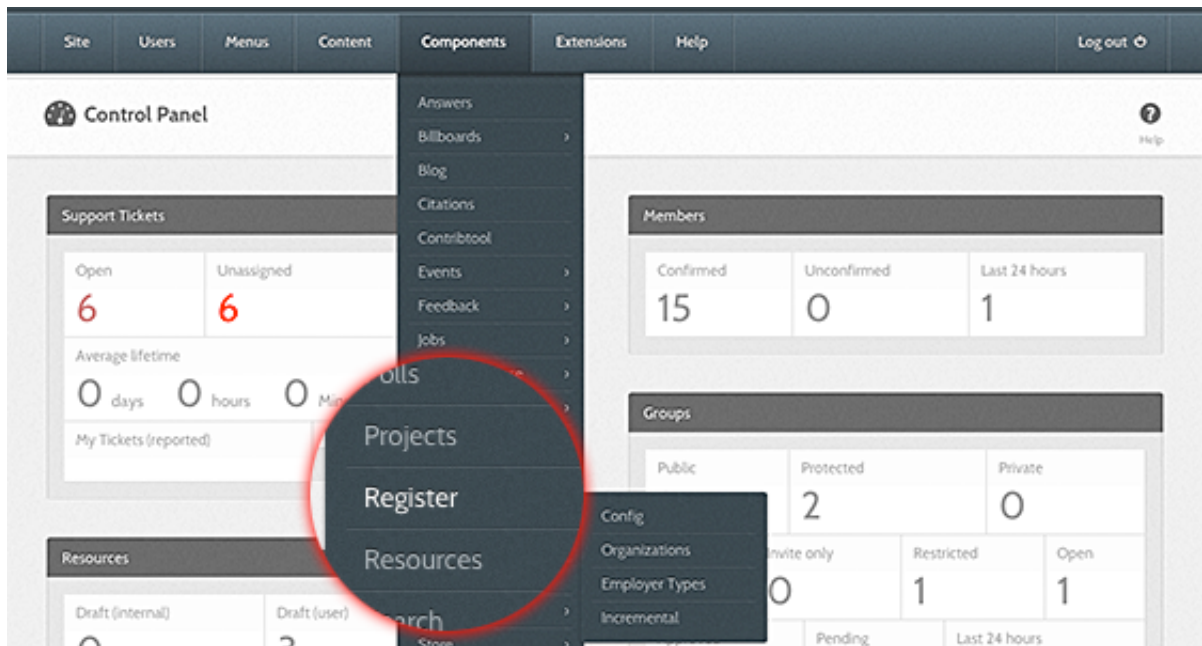
4. Once the page has loaded, select the "Parameters" button in the toolbar, found in the upper right-hand portion of the screen. Click it.

5. You should now be presented with a pop-up panel for various settings and configurations of your site.

   Look for the option titled "Confirmation Return URL". This will most likely be the second item in the list.

6. Enter in the textbox the URL you wish members to be redirected to and then click "Save".

Components

Overview

Many components will have a set of parameters that can be configured. These parameters can determine what functionality is presented to the user, be a default set of user options (what profile fields are visible to site visitors by default, for instance), or settings needed for the component to function properly. Accessing and adjusting these parameters is quick and easy.

Note: Not all components will have configurable parameters. For those that do, the configurations apply **only** to that component and should not affect any other components, site settings, or module settings.

1. First login to the administrative back-end.
2. Once logged in, find "Components" in the main menu bar located toward the top of the page. You should be presented with a drop-down menu containing a list of your installed components.

3. Choose the component you wish configure from the available options. Here we've chosen the "Hub" component.

4. Once the page has loaded, select the "Parameters" button in the toolbar, found in the upper right-hand portion of the screen. Click it.

5. You should now be presented with a pop-up panel for various settings and configurations of your site.

6. Adjust the available parameters as needed and then click "Save". Changes take affect immediately.

Note: Very often a component will not function properly until component parameters have been first inputted and saved. For instance, HUBzero tools will not work properly unless the middleware configuration has first been defined in the tools component entry.

Modules

Overview

Most modules will have a set of parameters that can be configured. These parameters can determine what functionality is presented to the user, be a default set of user options, or settings needed for the module to function properly (setting the URL to a feed for a feed reader module, for instance). Accessing and adjusting these parameters is quick and easy.

Note: Not all modules will have configurable parameters. For those that do, the configurations apply **only** to that module instance. You may have multiple instances of a module with different parameter configurations.

1. First login to the administrative back-end.

2. Once logged in, go to the "Module Manager." The Module Manager can be found by selecting "Extensions" > "Module Manager" from the drop-down menu on the back-end of your HUB installation.

3. Choose the module you wish to configure from the available list.

4. Once the page has loaded, find the "Parameters" grouping, found on the right-hand portion of the screen.

5. Adjust the available parameters as needed and then click "Save" (the icon that looks like a star) in the upper right portion of the page. Changes take affect immediately.

Plugins

Overview

Some plugins will have a set of parameters that can be configured. These parameters can determine what functionality is presented to the user, be a default set of user options, or settings needed for the plugin to function properly. Accessing and adjusting these parameters is quick and easy.

Note: Not all plugins will have configurable parameters. For those that do, the configurations apply **only** to that plugin and should not affect component configuration, module configuration, or site configuration.

1. First login to the administrative back-end.

2. Once logged in, go to the "Plugin Manager." The Plugin Manager can be found by selecting "Extensions" > "Plugin Manager" from the drop-down menu on the back-end of your HUB installation.

3. Choose the plugin you wish configure from the available list.

4. Once the page has loaded, find the "Parameters" grouping, found on the right-hand portion of the screen.

5. Adjust the available parameters as needed and then click "Save" (the icon that looks like a floppy disk) in the upper right portion of the page. Changes take affect immediately.

External Authenticators

Single sign-on (SSO) is a element of access control of multiple related, yet independent, software systems. A user logs in with a single ID and password to gain access to a system without using different usernames or passwords, or in some configurations seamlessly sign on at each system.

Benefits of using single sign-on include:

Mitigate risk for access to 3rd-party sites (user passwords not stored or managed externally)
Reduce password fatigue from different user name and password combinations
Reduce time spent re-entering passwords for the same identity
Reduce IT costs due to lower number of IT help desk calls about passwords

SSO shares centralized authentication servers that all other applications and systems use for authentication purposes and combines this with techniques to ensure that users do not have to actively enter their credentials more than once.

CILOGON

A hub administrator must register at http://cilogon.org/oauth2/register

Enter a Client Name.
Enter a Contact Email Address.
Enter a home URL (the URL of your hub - hubzero.org, for example).
Callback URLS should be:

```
**<hostname> should be replaced with the HUB URL.  If you have more th
an one hub instance, include a redirect URL set for each host that you
 will wish to use CiLogon.

https://<hostname>/index.php?option=com_users&task=user.link&authentic
ator=cilogon
https://<hostname>/index.php?option=com_users&task=user.login&authenti
cator=cilogon
https://<hostname>/administrator/index.php?option=com_login&task=login
&authenticator=cilogon
```

Select all SCOPES (email, edu.., openid, profile, org.cilogon...).

Leave blank - Refresh Token Lifetime.
Leave blank - Issuer.

CiLogon will process the registration and if approved a client id and client secret will be provided and must be added to the "Authenticator - CILogon" plugin in the Adminstrator Interface (/administrator) to enable to plugin. Once enabled, users may log into your hub via credentials provided by CiLogon.