

# Configuration

## Overview

The framework allows the use of parameters stored in each component.

## Defining Options

Configuration options can also be defined in a separate file named config.xml located in the /config sub-directory of the component directory.

```
/app
.. /components
.. .. /com_hello
.. .. .. /config
.. .. .. .. config.xml
```

The XML file's root element should be <config>. Fields are then added and grouped by fieldsets. These fieldsets correspond to the tabs located in the admin side when viewing the component's options.

```
<?xml version="1.0" encoding="utf-8"?>
<config>
  <fieldset
    name="greetings"
    label="COM_HELLOWORLD_CONFIG_GREETING_SETTINGS_LABEL"
    description="COM_HELLOWORLD_CONFIG_GREETING_SETTINGS_DESC"
  >
    <field
      name="greeting"
      type="text"
      label="COM_HELLOWORLD_FIELD_GREETING_LABEL"
      description="COM_HELLOWORLD_FIELD_GREETING_DESC"
      default=""
    />
  </fieldset>
</config>
```

It is good practice to use the component's language file to define all the appropriate strings.

### Retrieving Values

One may quickly retrieve the options for any component by calling the `params()` method on the `Component` facade or directly accessing the method on the underlying `HubzeroComponentLoader` class. This method returns a `HubzeroConfigRegistry` object.

```
$params = Component::params('com_hello');
```

```
echo $param->get('greeting');
```