

## Redmine - Feature #13038

### Base path for filesystem repository adapter

2013-01-30 21:39 - Anonymous

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	SCM	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Resolution:</b>	Duplicate		
<b>Description</b>			
<p>It would be very helpful to have a field in administrative settings for a custom root when using file system repositories. Preventing access to '/' for every project's manager would be quite a challenge, so limiting that risk to admin users goes a long way.</p> <p>I don't have the skills to offer an example patch, but it seems as simple as:</p> <ol style="list-style-type: none"><li>1. Adding a value to the settings table</li><li>2. Adding a form field to the administrative repository settings page that writes to that value</li><li>3. Updating <code>/lib/redmine/scm/adapters/filesystem_adapter.rb</code> to include that value when it defines <code>@url</code></li></ol> <p>Correct me if I'm wrong about the scope of work.</p> <p>And thanks!</p>			
<b>Related issues:</b>			
Related to Redmine - Feature #1415: Let system administrator limit repositori...		<b>Closed</b>	<b>2008-06-09</b>

### History

#### #1 - 2013-02-02 09:24 - Toshi MARUYAMA

- Category changed from Administration to SCM

#### #2 - 2013-03-07 00:15 - Anonymous

I believe I was able to do this pretty well on my own, and I think it's safe and general-purpose enough that it should be made part of basic Redmine functionality. Here's what I did:

1. **Add to settings table** a value `filesystem_base_path`.
2. `/config/settings.yml` needs to describe this value, so somewhere along the way make sure it includes:

```
filesystem_base_path:  
  default: ''
```

3. `/locales/` needs a string to use as a label. In my case, I updated `en.yml` by finding where the 'setting\_' entries all were and adding:

```
setting_filesystem_base_path: Filesystem base path
```

4. `/app/views/settings/_repositories.html.erb` is the Administrative settings panel for repositories, and a good place to add a field for users to set this value. Wherever you'd like, add the field (I just duplicated the `repository_log_display_limit` field):

```
<p><%= setting_text_field :filesystem_base_path, :size => 6 %></p>
```

5. `/lib/redmine/scm/adapters/filesystem_adapter.rb` is where the magic happens. Toward the very beginning, you'll find a line that reads:

```
@url = with_trailing_slash(url)
```

There may be better places or better code for this step, but I modified this line to read:

```
@url = with_trailing_slash(Setting.filesystem_base_path) + with_trailing_slash(url)
```

This concatenates the base path value and the individual repository's location, and makes sure there's a slash at the end of your base path before doing so.

And unless I missed one of my steps, that should do it. You now have a setting restricted to administrators to set a global base path for file system repositories.

This is an under-used and under-appreciated module, but can be ridiculously powerful. A great example would be anyone using a newer version of the DMSF plugin with WebDAV enabled: have your Redmine server mount itself at the WebDAV root (<http://redmine/dmsf/webdav>) using admin credentials and set that mount point as your base path. Now from any project, add a file system repository and simply use the project identifier as the repository path, gaining access to many separate DMSFs from one project point and give the finger to duplication.

**#3 - 2014-11-07 02:44 - Go MAEDA**

- *Related to Defect #18291: Path property security issue when adding filesystem repository added*

**#4 - 2014-11-08 11:58 - Jean-Philippe Lang**

- *Status changed from New to Closed*

- *Resolution set to Duplicate*

Closing as a dup of [#1415](#) which is addressed for 3.0 by adding configuration settings to limit valid repository path.

**#5 - 2014-11-08 11:58 - Jean-Philippe Lang**

- *Related to Feature #1415: Let system administrator limit repositories valid sources added*

**#6 - 2014-11-08 11:59 - Jean-Philippe Lang**

- *Related to deleted (Defect #18291: Path property security issue when adding filesystem repository)*