
repoze.who.plugins.formcookie Documentation

Release 0.3.0

Domen "iElectric" Kozar

October 15, 2011

CONTENTS

1	API	3
2	Changes	7
2.1	0.3.0 (15.04.2010)	7
2.2	0.2.3 (05.05.2009)	7
2.3	0.2.2 (15.03.2009)	7
2.4	0.2.1 (07.03.2009)	7
2.5	0.2 (02.02.2009)	7
2.6	0.1.2 (23.01.2009)	7
2.7	0.1.1 (08.01.2009)	8
2.8	0.1 (06.01.2009)	8
3	Todo	9
4	Indices and tables	11
	Python Module Index	13

Author Domen Kožar <domen[ATNOSPAM]dev.si>

Version 0.3.0

Source <http://www.bitbucket.org/iElectric/repozewhopluginsformcookie/>

Bug tracker <http://www.bitbucket.org/iElectric/repozewhopluginsformcookie/issues/>

Overview

CookieRedirectingFormPlugin is based on `repoze.who.plugins.form.RedirectingFormPlugin` with slight changes:

- uses browser cookie (or custom setting) to remember restricted location and redirects after successful login.
- offers *force_https* parameter to ignore non-https logins (and raises 401)

API

```
class repoze.who.plugins.formcookie.CookieRedirectingFormPlugin(login_form_path,
                                                                lo-
                                                                gin_handler_path,
                                                                lo-
                                                                gout_handler_path,
                                                                remem-
                                                                berer_name, de-
                                                                fault_redirect_path='/',
                                                                lo-
                                                                gout_redirect_method='cookie',
                                                                lo-
                                                                gin_redirect_method='cookie',
                                                                user-
                                                                name_field='login',
                                                                pass-
                                                                word_field='password',
                                                                force_https=False,
                                                                encoding='utf-8',
                                                                fail_redirect_path=None)
```

Parameters

- **login_form_path** – relative URL to login html form
- **login_handler_path** – relative URL to login process
- **logout_handler_path** – relative URL to logout process
- **rememberer_name** – identifier plugin that handles remember/forget headers
- **login_redirect_method** – you can either pass in *cookie*, that will use **_extract_came_from** method to extract cookie *came_from* from environment *or* pass in any custom path where **%(login)s** is replaced with extracted username credentials
- **logout_redirect_method** – same as *login_redirect_method*, only used on successful logout (and no string formatting)
- **default_redirect_path** – if no cookie is found and no *HTTP_REFERER* is present, this value is used when using cookie method. (string formation is also performed)
- **force_https** (*boolean*) – if True, identification will not happen when url scheme is not https
- **username_field** – form key that will be checked for username value ¹

¹ Credential information is always passed forward to authenticator plugins as *login* and *password*.

- **password_field** – form key that will be checked for password value ¹
- **force_https** – only allow https for exchanging data
- **encoding** – encoding to use for managing strings
- **fail_redirect_path** – if authentications fails, redirect to this path (common usage: `‘/?message=wrong_login’`)

Versionadded 0.3.0

encoding and *fail_redirect_path* parameters

challenge (*environ*, *status*, *app_headers*, *forget_headers*)

Called on abort(401). Set up *came_from* cookie and redirect to *login_form_path*.

if logout was performed, redirect to *came_from*.

forget (*environ*, *identity*)

identify (*environ*)

on login:

Parse form vars *login* & *password* and if successful, return them. Redirect to *came_from*.

on logout:

Store *came_from* for challenger to find later and trigger abort(401).

remember (*environ*, *identity*)

expires *came_from* cookie because our authenticator succeeded

```
repoze.who.plugins.formcookie.make_redirecting_plugin(login_form_path=None,
login_handler_path=None,
logout_handler_path=None,
rememberer_name=None,
default_redirect_path='/', login_redirect_method='cookie', lo-
gout_redirect_method='cookie',
username_field='login', password_field='password',
force_https=False,
encoding='utf-8',
fail_redirect_path=None,
**kw)
```

Function helper for plugin generation from .ini files.

Example configuration:

```
[plugin:formcookie]
use = repoze.who.plugins.formcookie:make_redirecting_plugin
login_form_path = /login_form
login_handler_path = /login
logout_handle_path = /logout
rememberer_name = cookie
force_https = true
login_redirect_method = /home/%(login)s/
logout_redirect_method = /
username_field = username
password_field = password

[plugin:cookie]
```

```
use = repoze.who.plugins.auth_tkt:make_plugin
secret = w00t
cookie_name = imin
```


CHANGES

2.1 0.3.0 (15.04.2010)

- added *encoding* and *fail_redirect_path* parameters
- when *login_form_path* is not given, display correct message

2.2 0.2.3 (05.05.2009)

- dropped dependency of PasteDeploy

2.3 0.2.2 (15.03.2009)

- added options *username_field* and *password_field*

2.4 0.2.1 (07.03.2009)

- fixed bugs in *make_redirecting_plugin*

2.5 0.2 (02.02.2009)

- implemented custom redirecting path through *login_redirect_method* and *logout_redirect_method*
- added *force_https*

2.6 0.1.2 (23.01.2009)

- applied a patch to fix misspelled *login_form_path* in *make_redirecting_plugin*, thanks TJ!

2.7 0.1.1 (08.01.2009)

- removed error message (login and password parameters are never empty)
- critical bug fix: headers were not returned correctly

2.8 0.1 (06.01.2009)

- initial release

TODO

- make application be able to store info in environ and pass request to underlying application

None at the moment, I'm open to suggestions.

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*

PYTHON MODULE INDEX

r

`repoze.who.plugins.formcookie`, [3](#)