Installing Trac as CGI

Please note that using Trac via CGI is the slowest deployment method available. It is slower than <u>mod_wsgi</u>, <u>mod_python</u>, <u>FastCGI</u> and even <u>?IIS/AJP</u> on Windows.

CGI script is the entrypoint that web-server calls when a web-request to an application is made. The trac.cgi script can be created using the trac-admin <env> deploy <dir> command which automatically substitutes the required paths, see TracInstall#cgi-bin. Make sure the script is executable by your web server.

Apache web-server configuration

In ?Apache there are two ways to run Trac as CGI:

- 1. Use a ScriptAlias directive that maps a URL to the trac.cgi script (recommended)
- 2. Copy the trac.cgi file into the directory for CGI executables used by your web server (commonly named cgi-bin). You can also create a symbolic link, but in that case make sure that the FollowSymLinks option is enabled for the cgi-bin directory.

To make Trac available at http://yourhost.example.org/trac add ScriptAlias directive to Apache configuration file, changing trac.cgi path to match your installation:

Note that this directive requires that the mod_alias module is enabled.

If you're using Trac with a single project you need to set its location using the TRAC_ENV environment variable:

TRAC_ENV

Or to use multiple projects you can specify their common parent directory using the TRAC_ENV_PARENT_DIR variable:

TRAC_ENV_PARENT_DIR

Note that the SetEnv directive requires that the mod_env module is enabled.

An alternative to SetEnv is editing TRAC_ENV or TRAC_ENV_PARENT_DIR in trac.cgi:

osenviron

If you are using the ?Apache suEXEC feature please see ?ApacheSuexec.

On some systems, you *may* need to edit the shebang line in the trac.cgi file to point to your real Python installation path. On a Windows system you may need to configure Windows to know how to execute a .cgi

file (Explorer -> Tools -> Folder Options -> File Types -> CGI).

Python Egg Cache

The <u>egg-cache</u> can be configured using an os.environ statement in trac.cgi, as shown above. To do the same from the Apache configuration, use the SetEnv directive:

```
PYTHON_EGG_CACHE
```

Put this directive next to where you set the path to the <u>Trac environment</u>, i.e. in the same <Location> block.

```
TRAC_ENV
PYTHON_EGG_CACHE
```

Using WSGI

You can run a <u>?WSGI handler ?under CGI</u>. You can <u>write your own application function</u>, or use the deployed trac.wsgi's application.

Mapping Static Resources

See <u>TracInstall#MappingStaticResources</u>.

Adding Authentication

See <u>TracInstall#ConfiguringAuthentication</u>.

See also: <u>TracInstall</u>, <u>TracModWSGI</u>, <u>TracFastCgi</u>, <u>TracModPython</u>