Installing Trac as CGI

Please note that using Trac via CGI is the slowest deployment method available. It is slower than <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. To generate the trac.cgi script run:

```
trac-admin /path/to/env deploy /path/to/www/trac
```

trac.cgi will be in the cgi-bin folder inside the given path. *Make sure it is executable by your web server*. This command also copies static resource files to a htdocs directory of a given destination.

Apache web-server configuration

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

- 1. Use a ScriptAlias directive that maps an 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:

```
ScriptAlias /trac /path/to/www/trac/cgi-bin/trac.cgi
```

Note that this directive requires enabled mod_alias module.

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

```
<Location "/trac">
   SetEnv TRAC_ENV "/path/to/projectenv"
</Location>
```

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

```
<Location "/trac">
   SetEnv TRAC_ENV_PARENT_DIR "/path/to/project/parent/dir"
</Location>
```

Note that the SetEnv directive requires enabled mod_env module. It is also possible to set TRAC_ENV in trac.cgi. Just add the following code between "try:" and "from trac.web ...":

```
import os
os.environ['TRAC_ENV'] = "/path/to/projectenv"
```

Or for TRAC ENV PARENT DIR:

```
import os
```

```
os.environ['TRAC_ENV_PARENT_DIR'] = "/path/to/project/parent/dir"
```

If you are using the <u>?Apache suEXEC</u> feature please see <u>?http://trac.edgewall.org/wiki/ApacheSuexec</u>.

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).

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: TracGuide, TracInstall, TracModWSGI, TracFastCgi, TracModPython