

Installing Trac as CGI

Please note that using Trac via CGI is the slowest deployment method available. It is slower than [mod_python](#), [FastCGI](#) and even [?IIS/AJP](#) 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 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 "/usr/local/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:

```
TRAC_ENV /usr/local/trac
```

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

```
TRAC_ENV_PARENT_DIR /usr/local/trac
```

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 ...":

```
osenviron
```

Or for `TRAC_ENV_PARENT_DIR`:

```
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).

Using WSGI

You can run a [WSGI handler under CGI](#). You can [write your own application function](#), or use the deployed `trac.wsgi`'s application.

Mapping Static Resources

See [TracInstall#MappingStaticResources](#).

Adding Authentication

See [TracInstall#ConfiguringAuthentication](#).

See also: [TracGuide](#), [TracInstall](#), [TracModWSGI](#), [TracFastCgi](#), [TracModPython](#)