

# Trac with FastCGI

Since version 0.9, Trac supports being run through the [?FastCGI](#) interface. Like [mod\\_python](#), this allows Trac to remain resident, and is faster than external CGI interfaces which must start a new process for each request. However, unlike [mod\\_python](#), it is able to support [?SuEXEC](#). Additionally, it is supported by much wider variety of web servers.

## Simple Apache configuration

```
# Enable fastcgi for .fcgi files
# (If you're using a distro package for mod_fastcgi, something like
# this is probably already present)
<IfModule mod_fastcgi.c>
    AddHandler fastcgi-script .fcgi
    FastCgiIpcDir /var/lib/apache2/fastcgi
</IfModule>
LoadModule fastcgi_module /usr/lib/apache2/modules/mod_fastcgi.so
```

You can either setup the `TRAC_ENV` as an overall default:

```
FastCgiConfig -initial-env TRAC_ENV=/path/to/env/trac
```

Or you can serve multiple Trac projects in a directory like:

```
FastCgiConfig -initial-env TRAC_ENV_PARENT_DIR=/parent/dir/of/projects
```

Configure `ScriptAlias` or similar options as described in [TracCgi](#), but calling `trac.fcgi` instead of `trac.cgi`.

## Simple Lighttpd Configuration

The FastCGI front-end was developed primarily for use with alternative webservers, such as [?lighttpd](#).

lighttpd is a secure, fast, compliant and very flexible web-server that has been optimized for high-performance environments. It has a very low memory footprint compared to other web servers and takes care of CPU load.

For using `trac.fcgi` with lighttpd add the following to your `lighttpd.conf`:

```
fastcgi.server = ( "/trac" =>
    ( "trac" =>
        ( "socket" => "/tmp/trac-fastcgi.sock",
          "bin-path" => "/path/to/cgi-bin/trac.fcgi",
          "check-local" => "disable",
          "bin-environment" =>
            ( "TRAC_ENV" => "/path/to/projenv" )
        )
    )
)
```

Note that you will need to add a new entry to `fastcgi.server` for each separate Trac instance that you wish to run. Alternatively, you may use the `TRAC_ENV_PARENT_DIR` variable instead of `TRAC_ENV` as described above.

Other important information like [?this updated TracInstall page](#), [and this](#) are useful for non-fastcgi specific installation aspects.

Relaunch `lighttpd`, and browse to `http://yourhost.example.org/trac` to access Trac.

---

See also [TracCgi](#), [TracModPython](#), [TracInstall](#), [TracGuide](#)