Apache Module mod_cgid

Description:	Execution of CGI scripts using an external CGI daemon
Status:	Base
Module Identifier:	cgid_module
Source File:	mod_cgid.c
Compatibility:	Unix threaded MPMs only

Summary

Except for the optimizations and the additional `ScriptSock` directive noted below, `mod_cgid` behaves similarly to `mod_cgi`. **See the `mod_cgi` summary for additional details about Apache and CGI.**

On certain unix operating systems, forking a process from a multi-threaded server is a very expensive operation because the new process will replicate all the threads of the parent process. In order to avoid incurring this expense on each CGI invocation, `mod_cgid` creates an external daemon that is responsible for forking child processes to run CGI scripts. The main server communicates with this daemon using a unix domain socket.

This module is used by default instead of `mod_cgi` whenever a multi-threaded MPM is selected during the compilation process. At the user level, this module is identical in configuration and operation to `mod_cgi`. The only exception is the additional directive `ScriptSock` which gives the name of the socket to use for communication with the cgi daemon.

Topics

Directives

(➠ This directive is defined elsewhere. See: `mod_cgi`)

See also

- `mod_cgi`
- Running CGI programs under different user IDs[1]

ScriptSock Directive

Description:	The name of the socket to use for communication with the cgi daemon
Syntax:	`ScriptSock` *`file-path`*
Default:	`ScriptSock logs/cgisock`
Context:	server config, virtual host
Status:	Base
Module:	mod_cgid

This directive sets the name of the socket to use for communication with the CGI daemon. The socket will be opened using the permissions of the user who starts Apache (usually root). To maintain the security of communications with CGI scripts, it is important that no other user has permission to write

in the directory where the socket is located.

Example

```
ScriptSock /var/run/cgid.sock
```

URI References

[1] http://httpd.apache.org/docs-2.1/suexec.html