

**NAME**

**pasterd** - simple paste service

**SYNOPSIS**

**pasterd** [-fqv] [-d *database-path*] [-t *theme-directory*]

**DESCRIPTION**

The **pasterd** utility is a simple CGI or FastCGI program to host code snippets over a web interface. It will show most recent public pastes and let users to create new one from a web form.

It supports:

- Listing of recent pastes,
- Submission of new pastes,
- Searching existing pastes,
- Language highlighting (depending on the theme),
- Private pastes (not listed).

To store pastes, **pasterd** uses a SQLite database that must be writable by the CGI/FastCGI owner. See usage below.

Available options:

**-f** Starts as FastCGI mode, **pasterd** will wait forever for new requests.

**-d** *database-path*

Specify an alternate path for the database.

**-t** *theme-directory*

Specify an alternate directory for the theme.

**-q** Do not log through syslog at all.

**-v** Increase verbosity level.

**USAGE**

The **pasterd** utility does not use configuration file as it does not need many adjustments, instead every parameter could be passed by environment variables or options.

By default, **pasterd** will try to use `/usr/local/var/paster/paster.db` database.

## LOGS

The **pasterd** utility will log information through syslog unless verbosity is disabled. Except at startup where the tool can write to stderr some information if it can't continue processing, the tool will never write anything to stdout and use syslog only.

The available verbosity level is defined in the following order:

none < warnings (default) < info < debug

Use **-q** or `PASTERD_VERBOSITY=0` if you want to disable syslog completely.

## USING WITH FASTCGI

The recommended way to use **pasterd** is to deploy using FastCGI. You can use the `kfcgi(8)` helper to spawn the process for you.

Example:

```
kfcgi -p /var/www/paster -- pasterd -f -d paster.db -t siimple
```

Note: `kfcgi` chroot to the directory given, you must either statically link `pasterd` at build time or deploy all required libraries. Also, themes directory will need to be available in the chroot directory. In the above example, this will effectively create a database `/var/www/paster/paster.db` and use the theme `/var/www/paster/siimple`.

Then, simply copy the desired theme into the directory.

```
cp -R /usr/local/share/paster/themes/siimple /var/www/paster
```

As an *insecure* alternative, you can chroot to `/` to avoid static-linking and copying themes, using:

```
kfcgi -p / -- pasterd -f \  
-d /var/www/paster/paster.db \  
-t /usr/local/share/paster/themes/siimple
```

Both `kfcgi` invocations will create `/var/www/run/http.sock` with current user and group. Configure the

web server to talk to that socket and make sure it has appropriate file permissions otherwise see **-u** option in **kfcgi**. See also the **kfcgi(8)** manual for more information.

Next, configure the web server.

Warning: at this moment, **pasterd** requires its own virtual host and can *not* use a url.

### Server: nginx

The nginx web server requires several parameters to run **pasterd**.

```
server {
    server_name mypaste.fr;
    listen 80;

    location / {
        fastcgi_param QUERY_STRING    query_string;
        fastcgi_param REQUEST_METHOD  $request_method;
        fastcgi_param CONTENT_TYPE    $content_type;
        fastcgi_param CONTENT_LENGTH  $content_length;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        fastcgi_param SCRIPT_NAME     $fastcgi_script_name;
        fastcgi_param PATH_INFO       $document_uri;
        fastcgi_param PATH_TRANSLATED $document_root$fastcgi_path_info;
        fastcgi_param REQUEST_URI     $request_uri;
        fastcgi_param DOCUMENT_URI    $document_uri;
        fastcgi_param DOCUMENT_ROOT   $document_root;
        fastcgi_param SERVER_PROTOCOL $server_protocol;
        fastcgi_param GATEWAY_INTERFACE CGI/1.1;
        fastcgi_param SERVER_SOFTWARE nginx/$nginx_version;
        fastcgi_param REMOTE_ADDR     $remote_addr;
        fastcgi_param REMOTE_PORT     $remote_port;
        fastcgi_param SERVER_ADDR     $server_addr;
        fastcgi_param SERVER_PORT     $server_port;
        fastcgi_param SERVER_NAME     $server_name;
        fastcgi_param HTTPS           $https;
        fastcgi_pass unix:/var/www/run/httpd.sock;
    }
}
```

## ENVIRONMENT

The following environment variables are detected:

*PASTERD\_DATABASE\_PATH* (string)

Path to the SQLite database.

*PASTERD\_THEME\_DIR* (string)

Directory containing the theme.

*PASTERD\_VERBOSITY* (number)

Verbosity level, 0 to disable completely.

## **AUTHORS**

**pasterd** was written by David Demelier <markand@malikania.fr>

## **SEE ALSO**

paster(8), kfcgi(8)