

## NAME

**cghttpd** – coronet/guasi based HTTP server

## SYNOPSIS

**cghttpd** [-p *PORT*] [-r *ROOTFS*] [-L *LSNBKLOG*] [-S *STKSIZE*] [-m *MINTHREAD*] [-M *MAXTHREADS*] [-N] [-h]

## DESCRIPTION

**cghttpd** is a simple web server that can be used to measure the performance of network events delivery and generic IO completions, driven by a coroutine based dispatch engine. The **cghttpd** server is based on the **coronet** library available at the following URL <http://www.xmailserver.org/coronet-lib.html> . The **coronet** library is in turn based on the **epoll** support available in the 2.6 (or newer) serie of **Linux** kernels, with **glibc** version of 2.3.2 or newer. The **coronet** library is also based on **libpcl** available at the following URL <http://www.xmailserver.org/libpcl.html> . The **cghttpd** server is finally based on the **guasi** library, that allows it to handle potentially blocking system calls, in an asynchronous way. The **guasi** library is available at the following URL <http://www.xmailserver.org/guasi-lib.html> . The **cghttpd** will not daemonize, and ^C can be used to stop it.

## OPTIONS

The following options are recognized by **cghttpd**:

**-p** *PORT*

Specifies the port onto which **cghttpd** will listen to *PORT*.

**-r** *ROOTFS*

Specifies the home directory for **cghttpd** to *ROOTFS*.

**-L** *LSNBKLOG*

Specifies the **listen**(2) backlog size to *LSNBKLOG*.

**-S** *STKSIZE*

Specifies the stack size to be used for the coroutines to *STKSIZE*.

**-m** *MINTHREAD*

Specifies the minimum number of threads for the **guasi** thread pool to *MINTHREAD*.

**-M** *MAXTHREAD*

Specifies the maximum number of threads for the **guasi** thread pool to *MAXTHREAD*.

**-N** Uses the **O\_NOATIME** flag when opening the content file.

**-h** Prints a usage screen.

## BUGS

There are no known bugs. Bug reports and comments to:

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## SOURCE

The latest source code is available at:

<http://www.xmailserver.org/cghttpd-home.html>

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**<http://www.gnu.org/licenses/gpl.html>**

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