

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:

Davide Libenzi <davidel@xmailserver.org>

SOURCE

The latest source code is available at:

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

LICENSE

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

AUTHORS

The **glst** package has been developed by:

Davide Libenzi <**davidel@xmailserver.org**>