

NAME

qotd.conf – The QOTD daemon configuration file

SYNOPSIS

/etc/qotd.conf

DESCRIPTION

qotdd(8) reads configuration options from */etc/qotd.conf*, or some other file specified by the **-c** argument. This file contains lines of keyword-arguments pairs, which describe how the daemon is to behave. Empty lines or those starting with '#' are ignored and treated as comments. Optionally, you can surround your arguments with single or double quotes in order to represent arguments containing spaces. However you cannot specify escape sequences inside the quotes.

The supported keywords and their possible meanings are as follows. Keywords and their arguments are case-insensitive, except for filenames. Some options take a *boolean*, meaning you can write either 'yes', 'true', or '1' to enable an option, or 'no', 'false', or '0' to disable it.

TransportProtocol

Which transport protocol to use. This setting is either 'udp' or 'tcp'. By default TCP is used.

InternetProtocol

Which IP protocol to use. This setting is either 'ipv4', 'ipv6', or 'both'. The default behavior is to listen on both IPv4 and IPv6.

Port Specifies an alternate port to listen on. The default value is '17', which is the port specified by RFC 865.

StrictChecking

When this option is enabled, the daemon will perform checks on the permissions of files, and will refuse to start if the files are writeable by those other than the calling user. This argument is almost equivalent to the **--lax** argument, but obviously does not apply to configuration file, since it must be read before this option can be extracted. The default option is 'yes'.

DropPrivileges

Takes a boolean. If this option is set, then once a connection is established, the program will drop privileges and run itself as the *daemon* user. However, if **PidFile** is set, the daemon will check the permissions on the directory of the containing directory. If the program will lack the permissions to delete the pid file, the daemon will quit. The default option is 'yes'.

PidFile Specifies what pid file is to be used by the daemon. If this value is 'none' or '/dev/null', then no pid file is written. The default is */run/qotd.pid*, but if there is no */run* directory, then */var/run/qotd.pid* will be used instead.

RequirePidFile

If the daemon is unable to write to the pid file for any reason and this option is set, then the daemon will quit. Otherwise, the attempt to produce a pid file will be treated as a warning. This setting is ignored if **PidFile** is set to 'none'. This option is a boolean, and the default argument is 'yes'.

JournalFile

This option specifies what file the daemon uses to log status messages. If this file is set to '-', then the program's *standard output* is used, and if the value is set to 'none' or '/dev/null', then the journal output is suppressed. The default behavior is to use *standard output* as the journal.

QuotesFile

The source of the quotations to be displayed to the user. Note that any null bytes ('\0') found in the quotes file will be read as spaces instead. The default is to use the pre-installed quotes located at */usr/share/qotd/quotes.txt*.

QuoteDivider

How quotes in the quotes file are separated. There are currently three possible options: 'line', 'percent', or 'file'. If the value is 'line', then each non-empty line is treated as a quotation to be

possibly transmitted. If 'percent' is set, then the program is instructed to separate each quote with a line that has only a percent sign ('%') on it. More specifically, the program looks for a sequence of newline, percent sign, and newline, and separates the string there. This is the same format that is used by **fortune**(6). If 'file' is used, then the whole file is treated as one quote. The default argument is 'line'.

PadQuotes

Whether to place whitespace around the quotes to make them look nicer. When this is disabled, the daemon will only transmit the quotation itself. This option is a boolean, and the default argument is 'yes'.

DailyQuotes

Whether to choose a random quote every day, or for every visit. If this option is set, then the same randomly-chosen quotation will be provided for all visits on the same day. Otherwise, each visit will yield a different quotation. This option is a boolean, and the default argument is 'yes'.

AllowBigQuotes

RFC 865 specifies that quotes should be no bigger than 512 bytes. If this option is set, then this limit is ignored. Otherwise, quotes are automatically truncated to meet the byte limit. The default behavior is to disable this option.

SEE ALSO

qotdd(8)

AUTHOR

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NAME

qotdd – A daemon to provide an interesting quote every day.

SYNOPSIS

qotdd [*OPTION*]...

qotdd [--help | --version]

DESCRIPTION

QOTD (quote of the day) is specified in RFC 865 as a way of broadcasting a quote to users. On both TCP and UDP, port 17 is officially reserved for this purpose. **qotdd**(8) is meant to provide a simple QOTD daemon on IPv4 and/or IPv6 on either TCP or UDP.

Mandatory arguments to long options are mandatory for short options too.

-f, --foreground

Do not fork, but run in the foreground.

-c, --config *config-file*

Specify an alternate configuration file location. The default is at *'/etc/qotd.conf'*. (Overrides a previous **-c** or **-N** option)

-N, --noconfig

Do not read from a configuration file, but use the default options instead. (Overrides a previous **-c** option)

--lax Disable strict configuration parsing. Without this option, the daemon will perform security checks on input files. Be aware that using this option makes the program vulnerable to confused deputy attacks.

For more information on the following three options, see **qotd.conf**(5):

-P, --pidfile *pidfile*

Override the pidfile name given in the configuration file with the given file instead.

-s, --quotes *quotes-file*

Override the quotes file given in the configuration file with the given file instead.

-j, --journal *journal-file*

Overrides the journal file given in the configuration file with the given file instead.

-4, --ipv4

Only listen on IPv4. The default behavior is to listen on both IPv4 and IPv6.

-6, --ipv6

Only listen on IPv6.

-t, --tcp

Use TCP instead of UDP. This is the default behavior.

-u, --udp

Use UDP instead of TCP. (Not fully implemented yet)

-q, --quiet

Only output error messages. This is the same as using **'--journal /dev/null'**.

--help List all options and what they do.

--version

Print the version and some basic license information.

RETURN CODES

qotdd has the following return codes:

- 0** success
- 1** general error

- 17** invalid arguments
- 18** invalid configuration file or settings
- 19** failed a security check
- 20** out of memory
- 21** I/O or network error
- 22** *SIGSEGV* or *SIGINT* killed the process
- 23** unsupported operation
- 24** internal error

SEE ALSO

qotd.conf(5), **telnet(1)**, **netcat(1)**

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