NAME

/etc/nscd.conf – name service cache daemon configuration file

DESCRIPTION

The file *⁄etc⁄nscd.conf* is read from **nscd**(8) at startup. Each line specifies either an attribute and a value, or an attribute, service, and a value. Fields are separated either by SPACE or TAB characters. A '#' (number sign) indicates the beginning of a comment; following characters, up to the end of the line, are not interpreted by nscd.

Valid services are *passwd*, *group*, *hosts*, *services* or *netgroup*.

logfile *debug-file-name*

Specifies name of the file to which debug info should be written.

debug-level *value*

Sets the desired debug level. The default is 0.

threads *number*

This is the number of threads that are started to wait for requests. At least five threads will always be created.

server-user *user*

If this option is set, nscd will run as this user and not as root. If a separate cache for every user is used (−S parameter), this option is ignored.

enable-cache *service <yes|no>*

Enables or disables the specified *service* cache. The default is no.

positive-time-to-live *service value*

Sets the TTL (time-to-live) for positive entries (successful queries) in the specified cache for *service*. *Value* is in seconds. Larger values increase cache hit rates and reduce mean response times, but increase problems with cache coherence.

negative-time-to-live *service value*

Sets the TTL (time-to-live) for negative entries (unsuccessful queries) in the specified cache for *service*. *Value* is in seconds. Can result in significant performance improvements if there are several files owned by UIDs (user IDs) not in system databases (for example untarring the linux kernel sources as root); should be kept small to reduce cache coherency problems.

suggested-size *service value*

This is the internal hash table size, *value* should remain a prime number for optimum efficiency. The default is 211.

check-files *service <yes|no>*

Enables or disables checking the file belonging to the specified *service* for changes. The files are *⁄etc⁄passwd*, *⁄etc⁄group*, *⁄etc⁄hosts*, *⁄etc⁄services* and *⁄etc⁄netgroup*. The default is yes.

max-threads *threads*

Specifies the maximum number of threads. The default is 32.

stat-user *username*

Specifies the user who is allowed to request statistics.

reload-count unlimited | *number*

Limit on the number of times a cached entry gets reloaded without being used before it gets

removed. The default is 5.

paranoia *<yes/no>*
> Enabling paranoia mode causes nscd to restart itself periodically. The default is no.

restart-interval *time*
> Sets the restart interval to *time* seconds if periodic restart is enabled by enabling **paranoia** mode.
> The default is 3600.

persistent *service <yes/no>*
> Keep the content of the cache for *service* over server restarts; useful when **paranoia** mode is set.
> The default is no.

shared *service <yes/no>*
> The memory mapping of the nscd databases for *service* is shared with the clients so that they can
> directly search in them instead of having to ask the daemon over the socket each time a lookup is
> performed. The default is no.

max-db-size *service number-of-bytes*
> The maximum allowable size of the database files in bytes for the *service*. The default is
> 33554432.

auto-propagate *service <yes/no>*
> When set to *no* for *passwd* or *group* service, then the *.byname* requests are not added to
> *passwd.byuid* or *group.bygid* cache. This may help for tables containing multiple records for the
> same id. The default is yes. This option is valid only for services *passwd* and *group*.

NOTES
The default values stated in this manual page originate from the source code of **nscd**(8) and are used if not
overridden in the configuration file. The default values used in the configuration file of your distribution
might differ.

SEE ALSO
nscd(8)

COLOPHON
This page is part of release 3.22 of the Linux *man-pages* project. A description of the project, and informa-
tion about reporting bugs, can be found at http://www.kernel.org/doc/man-pages/.