

**NAME**

**nscd** - name service caching daemon

**SYNOPSIS**

**nscd** [-dnst] [-i *cachename*] [-I *cachename*]

**DESCRIPTION**

The **nscd** utility is the system caching daemon. It can cache almost all types of data and is basically intended to be used with the **nsswitch** subsystem. The cache is actually per-user. This means that each user can work only with the cached data that were cached by themselves, and cannot poison the cache of other users. The **nscd** utility supports two types of caching:

**Type Description**

## Common caching

Each cached element is the key+value pair. This type of caching supports policies which are applied when maximum number of cached elements is exceeded. Three policies are available: **FIFO** (first in - first out), **LRU** (least recently used) and **LFU** (least frequently used). This type of caching is used with the **getXXXbyname()** family of functions.

## Multipart caching

Each cached element is the part of the elements sequence. This type of caching is intended to be used with the **getXXXent()** family of functions.

The **nscd** utility is able not only to cache elements, but to perform the actual **nsswitch** lookups by itself. To enable this feature, use the *perform-actual-lookups* parameter in **nscd.conf(5)**.

The **nscd** utility recognizes the following runtime options:

- n** Do not daemonize; **nscd** will not fork or disconnect itself from the terminal.
- s** Single-threaded mode. Forces using only one thread for all processing purposes (it overrides the *threads* parameter in the **nscd.conf(5)** file).
- t** Trace mode. All trace messages will be written to stdout. This mode is usually used with **-n** and **-s** flags are used for debugging purposes.
- i *cachename***  
Invalidates personal cache. When specified, **nscd** acts as the administration tool. It asks the already running **nscd** to invalidate the specified part of the cache of the calling user. For

example, sometimes you may want to invalidate your "hosts" cache. You can specify "all" as the *cachename* to invalidate your personal cache as a whole. You cannot use this option for the *cachename* for which the *perform-actual-lookups* option is enabled.

**-I** *cachename*

Invalidates the cache for every user. When specified, **nscd** acts as the administration tool. It asks the already running **nscd** to invalidate the specified part of the cache for every user. You can specify "all" as the *cachename* to invalidate the whole cache. Only the root can use this option.

## FILES

*/etc/nscd.conf* The default configuration file.

## SEE ALSO

*nsdispatch(3)*, *nscd.conf(5)*, *nsswitch.conf(5)*

## AUTHORS

Michael Bushkov <*bushman@FreeBSD.org*>