

NAME

lsns – list namespaces

SYNOPSIS

lsns [options] *namespace*

DESCRIPTION

lsns lists information about all the currently accessible namespaces or about the given *namespace*. The *namespace* identifier is an inode number.

The default output is subject to change. So whenever possible, you should avoid using default outputs in your scripts. Always explicitly define expected output mode (**---tree** or **---list**) and columns by using the **---output** option together with a columns list in environments where a stable output is required.

The **NSFS** column, printed when **net** is specified for the **---type** option, is special; it uses multi-line cells. Use the option **---nowrap** to switch to ","-separated single-line representation.

Note that **lsns** reads information directly from the */proc* filesystem and for non-root users it may return incomplete information. The current */proc* filesystem may be unshared and affected by a PID namespace (see **unshare ---mount-proc** for more details). **lsns** is not able to see persistent namespaces without processes where the namespace instance is held by a bind mount to */proc/pid/ns/type*.

OPTIONS

-J, ---json

Use JSON output format.

-l, ---list

Use list output format.

-n, ---noheadings

Do not print a header line.

-o, ---output list

Specify which output columns to print. Use **---help** to get a list of all supported columns.

The default list of columns may be extended if *list* is specified in the format *+list* (e.g., **lsns -o +PATH**).

---output-all

Output all available columns.

-p, ---task PID

Display only the namespaces held by the process with this *PID*.

-r, ---raw

Use the raw output format.

-t, ---type type

Display the specified *type* of namespaces only. The supported types are **mnt**, **net**, **ipc**, **user**, **pid**, **uts**, **cgroup** and **time**. This option may be given more than once.

-u, ---nottruncate

Do not truncate text in columns.

-W, ---nowrap

Do not use multi-line text in columns.

-T, --tree *rel*

Use tree-like output format. If **process** is given as *rel*, print process tree(s) in each name space. This is default when **--tree** is not specified. If **parent** is given, print tree(s) constructed by the parent/child relationship. If **owner** is given, print tree(s) constructed by the owner/owned relationship. **owner** is used as default when *rel* is omitted.

-h, --help

Display help text and exit.

-V, --version

Print version and exit.

AUTHORS

[Karel Zak](mailto:kzak@redhat.com) <kzak@redhat.com>

SEE ALSO

nsenter(1), **unshare(1)**, **clone(2)**, **namespaces(7)**, **iocctl_ns(2)**, **ip-netns(8)**

REPORTING BUGS

For bug reports, use the issue tracker at <https://github.com/util-linux/util-linux/issues>.

AVAILABILITY

The **lsns** command is part of the util-linux package which can be downloaded from [Linux Kernel Archive](https://www.kernel.org/pub/linux/utils/util-linux/) <<https://www.kernel.org/pub/linux/utils/util-linux/>>.