

NAME

uts_namespaces – overview of Linux UTS namespaces

DESCRIPTION

UTS namespaces provide isolation of two system identifiers: the hostname and the NIS domain name. These identifiers are set using **sethostname(2)** and **setdomainname(2)**, and can be retrieved using **uname(2)**, **gethostname(2)**, and **getdomainname(2)**. Changes made to these identifiers are visible to all other processes in the same UTS namespace, but are not visible to processes in other UTS namespaces.

When a process creates a new UTS namespace using **clone(2)** or **unshare(2)** with the **CLONE_NEWUTS** flag, the hostname and domain name of the new UTS namespace are copied from the corresponding values in the caller's UTS namespace.

Use of UTS namespaces requires a kernel that is configured with the **CONFIG_UTS_NS** option.

SEE ALSO

nsenter(1), **unshare(1)**, **clone(2)**, **getdomainname(2)**, **gethostname(2)**, **setns(2)**, **uname(2)**, **unshare(2)**, **namespaces(7)**