Namespace :

<nsproxy>

Struct nsproxy {

atomic \_t count;

struct uts\_namespace \*uts\_ns;

struct ipc\_namespace \*uts\_ns;

struct mnt\_namespace \*uts\_ns;

struct pid\_namespace \* user\_ns;

struct net \* net\_ns;

UTS namespace contains – name of running kernel and its version .

UTS- Unix time sharing system .

IPC- All information related to inter process communication stored in struct ipc \_namespace

The view on the mounted file system is given in struct mnt\_namespace

Process identifiers information is provided by struct pid\_namespace.

Struct user\_namespace is required to hold per user information that allows for limiting resource usage for individual users.

Struct net\_ns contains all network related parameters

UTS NAMESPACE –

UTS name space has to manage simple quantities and does not require hierarchical organization.

All relevant information is collected in an instance of following structure

<utsname.h> {

Struct Kref kref;

Struct new\_utsname name;

};

Kref- embedded reference counter that can be used to track from how many places in the kernel an instance of struct uts\_namespace is used .

The Information proper is contained in struct new\_utsname.

The initial settings are stored init\_uts\_ns: