
Subject: Re: namespaces compatibility list

Posted by [Cedric Le Goater](#) on Wed, 07 Nov 2007 13:49:03 GMT

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There's also a Documentation/unshare.txt. Should we update it also ?

```
> --- /dev/null
> +++ b/Documentation/namespaces/compatibility-list.txt
> @@ -0,0 +1,32 @@
> + Namespaces compatibility list
> +
> +This document contains the information about the problems user
> +may have when creating tasks living in different namespaces.
> +
> +Here's the summary. This matrix shows the known problems, that
> +occur when tasks share some namespace (the columns) while living
> +in different other namespaces (the rows):
```

s/raws/rows/

```
> +
> + UTS IPC VFS PID User Net
> +UTS
> +IPC   1
> +VFS
> +PID   1  1
> +User   2
> +Net
```

This is dense but I can't think of a better representation.

```
> +1. Both the IPC and the PID namespaces provide IDs to address
> + object inside the kernel. E.g. semaphore with ipcid or
> + process group with pid.
> +
> + In both cases, tasks shouldn't try telling this id to some
```

s/telling/exposing/ ?

```
> + other task living in different namespace vid shared filesystem
```

.. in a different namespace via a shared filesystem

```
> + or IPC shmем/message. The fact is that this ID is only valid
> + within the namespace it was obtained in and may refer to some
> + other object in another namespace.
> +
> +2. Intentionnaly, two equal user ids in different user namespaces
```

> + should not be equal from the VFS point of view. In other
> + words, user 10 in one user namespace shouldn't have the same
> + access permissions to files, belonging to user 10 in another
> + namespace. But currently this is not so.
>
>

Thanks Pavel,

C.

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