
Subject: Re: [PATCH] Introduce and use get_task_mnt_ns()

Posted by [serge](#) on Wed, 17 Jan 2007 19:21:48 GMT

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Quoting Alexey Dobriyan (adobriyan@openvz.org):

> Apply after "[PATCH] Fix NULL ->nsproxy dereference in /proc/*/mounts".
>
> Similar to get_task_mm(): get a reference to task's mnt namespace if any.
> Suggested by Pavel Emelianov.
>
> Signed-off-by: Alexey Dobriyan <adobriyan@openvz.org>

Yeah, that's nicer, thanks.

Acked-by: Serge Hallyn <serue@us.ibm.com>

> ---
>
> fs/proc/base.c | 15 ++-----
> include/linux/nsproxy.h | 1 +
> kernel/nsproxy.c | 14 ++++++++
> 3 files changed, 17 insertions(+), 13 deletions(-)
>
> --- a/fs/proc/base.c
> +++ b/fs/proc/base.c
> @@ -370,13 +370,7 @@ static int mounts_open(struct inode *ino
> int ret = -EINVAL;
>
> if (task) {
> - task_lock(task);
> - if (task->nsproxy) {
> - ns = task->nsproxy->mnt_ns;
> - if (ns)
> - get_mnt_ns(ns);
> - }
> - task_unlock(task);
> + ns = get_task_mnt_ns(task);
> put_task_struct(task);
> }
>
> @@ -443,12 +437,7 @@ static int mountstats_open(struct inode
> struct task_struct *task = get_proc_task(inode);
>
> if (task) {
> - task_lock(task);
> - if (task->nsproxy)
> - mnt_ns = task->nsproxy->mnt_ns;

```

> - if (mnt_ns)
> -   get_mnt_ns(mnt_ns);
> -   task_unlock(task);
> +   mnt_ns = get_task_mnt_ns(task);
>   put_task_struct(task);
> }
>
> --- a/include/linux/nsproxy.h
> +++ b/include/linux/nsproxy.h
> @@ -35,6 +35,7 @@ struct nsproxy *dup_namespaces(struct ns
> int copy_namespaces(int flags, struct task_struct *tsk);
> void get_task_namespaces(struct task_struct *tsk);
> void free_nsproxy(struct nsproxy *ns);
> +struct mnt_namespace * get_task_mnt_ns(struct task_struct *tsk);
>
> static inline void put_nsproxy(struct nsproxy *ns)
> {
> --- a/kernel/nsproxy.c
> +++ b/kernel/nsproxy.c
> @@ -147,3 +147,17 @@ void free_nsproxy(struct nsproxy *ns)
>   put_pid_ns(ns->pid_ns);
>   kfree(ns);
> }
> +
> +struct mnt_namespace * get_task_mnt_ns(struct task_struct *tsk)
> +{
> + struct mnt_namespace *mnt_ns = NULL;
> +
> + task_lock(tsk);
> + if (tsk->nsproxy)
> +   mnt_ns = tsk->nsproxy->mnt_ns;
> + if (mnt_ns)
> +   get_mnt_ns(mnt_ns);
> + task_unlock(tsk);
> +
> + return mnt_ns;
> +}
>
> -
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