
Subject: Re: [PATCH] /proc/*/environ: wrong placing of ptrace_may_attach() check
Posted by [Andrew Morton](#) on Wed, 30 May 2007 00:16:23 GMT

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On Mon, 28 May 2007 17:41:57 +0400

Alexey Dobriyan <adobriyan@sw.ru> wrote:

> Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>

Better changelogs, please.

```
> --- a/fs/proc/base.c
> +++ b/fs/proc/base.c
> @@ -204,12 +204,17 @@ static int proc_pid_environ(struct task_
> int res = 0;
> struct mm_struct *mm = get_task_mm(task);
> if (mm) {
> - unsigned int len = mm->env_end - mm->env_start;
> + unsigned int len;
> +
> + res = -ESRCH;
> + if (!ptrace_may_attach(task))
> + goto out;
> +
> + len = mm->env_end - mm->env_start;
> if (len > PAGE_SIZE)
> len = PAGE_SIZE;
> res = access_process_vm(task, mm->env_start, buffer, len, 0);
> - if (!ptrace_may_attach(task))
> - res = -ESRCH;
> +out:
> mmput(mm);
> }
> return res;
```

What's wrong with the existing code? It's a bit dopey-looking and can, I guess, permit a task to cause a pagefault in an mm which it doesn't have permission to read from. But is there some more serious problem being fixed here?

I shouldn't have to ask this stuff.
