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Subject: [PATCH 0/12] Schedule find\_task\_by\_pid() for removal  
Posted by [Pavel Emelianov](#) on Tue, 29 Jan 2008 13:38:36 GMT  
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The function in question finds the task by its pid\_t in an initial pid namespace (init\_pid\_ns). This is no longer safe to simply call it, since the current task may be in a pid namespace and it may return the wrong task.

The proper behavior is to call the find\_task\_by\_vpid() if the caller is sure, that the target task lives in the same namespace as he is, or the find\_task\_by\_pid\_ns() and specify the namespace to find a task in.

Since the find\_task\_by\_pid() is a well-known API call, and its semantics changes, I think that it's better to mark it as deprecated to warn people, that the result may differ from what they expect and force them to use proper call.

Another case is to store the pointer to the struct pid of a desired task and later call the pid\_task() to get the task itself.

So this set just fixes the existing users of find\_task\_by\_pid(). The only one will be left - the UML mconsole, but I'm completely lost in this code, finding out what kind of pid is passed in the mconsole\_stack() call :(

Singed-off-by: Pavel Emelyanov <xemul@openvz.org>

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