
Subject: Re: task_session() and task->signal->session
Posted by [Sukadev Bhattiprolu](#) on Fri, 17 Nov 2006 18:15:21 GMT
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Thanks.

Eric W. Biederman [ebiederm@xmission.com] wrote:
| Sukadev Bhattiprolu <sukadev@us.ibm.com> writes:

|
| > I am trying to understand the diff between task_session() and
| > task->signal-session and why we have the two notions of session.
| > Are we just phasing out one of them ?

| Yes.

I guess we are phasing out task->signal->session.

|
| > In general each process has a single session id. The only exception
| > being a process that unshares its pid ns. Such process will have
| > exactly two session ids, one for each pid ns. No ?

| Each process has a single session.

| That session can potentially have a different session id in each
| pid namespace.

both of us used the word "have" above. But do we actually store (in some
data structure) the multiple session ids ? Or will the following work:

Each task refers to another task (possibly itself) as its session
leader (we find this using task_session()).

The session leader, like any other task, has multiple process ids,
one in each namespace.

So to find the session id of a task, we find its session leader
and find the appropriate process id of the session leader

i.e we don't actually store the multiple sids a task

|
| So for internal tests we want to compare the struct pid pointers
| instead of the numbers visible to user space.

| Eric

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