

Re: Window -> PID

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.solaris/2005-11/1863.html>

From: Alan Coopersmith (alanc_at_alum.calberkeley.org)

Date: 11/23/05

Date: Wed, 23 Nov 2005 00:37:35 +0000 (UTC)

<bunka.munka@email.si> writes in comp.unix.solaris:

|In article <dlqtg9\$ql\$2@agate.berkeley.edu>, alanc@alum.calberkeley.org
|says...

> <bunka.munka@yahoo.com> writes in comp.unix.solaris:

> |Sometimes, I have an application running in Window and want to

> |know the PID. Is there a way I can get it somehow digging into

> |structures, if I know the Window ID (obtained by xwininfo) ?

>

> |Not really easily. (On most OS'es, it's a flat out no – on Solaris,

> |with Xsun, the X server knows the pid for each client in order to do the

> |IA process priority manipulations, so you can dig it out with debugger

> |magic, but that's not something you'd want to include in a script or

> |program (though I have.)

>

> |The best way to do this would be get the applications you care about

> |to set the _NET_WM_PID property – see the Extended WM spec at:

> |<http://standards.freedesktop.org/wm-spec/wm-spec-latest.html#id2511832>

>

>

|I am familiar with the most kernel structures (actually i am digging
|with adb into crash files many times), but didn't find any appropriate.

|

|Application are 3rd party, all runs on a host itself. They're very
|complex (about 400–500 java processes).

|Most of the time i am successfull finding one (with truss -p <assume

|pid> and moving mouse over that window produce a massive

|lwp_mutexes...), but I am pretty sure XServer has that structure

|somewhere, if not in their temporary files, it must have some kernel

|process window tree...

As I said, the X servers on Solaris do have that in memory, but there's
no way to get it out other than via poking in the X server process
memory with a debugger or similar tool. It's in the user-space process,
not the kernel, and you'd need the X server structure definitions from
the source code, since they're not in header files shipped with the
system.

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comp.unix.solaris: Re: Window -> PID

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