

DragonFlyBSD - Bug #1328

[PATCH]

04/03/2009 02:41 AM - vince.dragonfly

Status:	Closed	Start date:	
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
I am attempting to compile FreeSWITCH (http://www.freeswitch.org/).			
I get the following error.			
Compiling src/switch_core.c ... src/switch_core.c: In function `switch_core_setrlimits': src/switch_core.c:795: error: `RLIMIT_AS' undeclared (first use in this function)			
Some of the other BSDs apparently don't have it either but FreeBSD has it defined in /usr/include/sys/resource.h as			
#define RLIMIT_AS RLIMIT_VMEM /* standard name for RLIMIT_VMEM */			
Apparently it is also defined in Linux as well.			
Should this be added to DragonFly?			

History

#1 - 05/06/2009 09:57 AM - alexh

In my opinion this should be fixed in FreeSWITCH by changing RLIMIT_AS to RLIMIT_VMEM. If this is in pkgsrc, it should be fixed there. Neither NetBSD nor OpenBSD have RLIMIT_AS and there is no need for it if it'll be just the same as RLIMIT_VMEM.

#2 - 05/08/2009 06:44 AM - alexh

I've just seen that RLIMIT_AS is actually POSIX:
<http://www.opengroup.org/onlinepubs/009695399/functions/getrlimit.html>

So we should add it. It'll probably happen during GSoC (POSIX Compliance Project).

#3 - 05/09/2009 05:02 PM - vince.dragonfly

On Wed, May 06, 2009 at 09:57:49AM +0000, Alex Hornung (via DragonFly issue tracker) wrote:

```
>
> Alex Hornung <ahornung@gmail.com> added the comment:
>
> In my opinion this should be fixed in FreeSWITCH by changing RLIMIT_AS to
> RLIMIT_VMEM. If this is in pkgsrc, it should be fixed there.
> Neither NetBSD nor OpenBSD have RLIMIT_AS and there is no need for it if it'll be
> just the same as RLIMIT_VMEM.
```

Actually, it turns out that NetBSD *does* have it also.

```
resource.h:
#define RLIMIT_AS 10 /* virtual process size (inclusive of mmap) */
#define RLIMIT_VMEM RLIMIT_AS /* common alias */
```

OpenBSD seems to be the only one that does not have it.

By the way, FreeSWITCH is not in pkgsrc. I was trying to compile it natively. However, the RLIMIT_AS issue was not the only one. Every time I fixed one problem there was another. Apparently it is very Linux centric. I don't have a lot of time to work on it so I gave up for now

and am going to take a closer look at yate.

On Fri, May 08, 2009 at 06:44:51AM +0000, Alex Hornung (via DragonFly issue tracker) wrote:

>
> Alex Hornung <ahornung@gmail.com> added the comment:
>
> I've just seen that RLIMIT_AS is actually POSIX:
> <http://www.opengroup.org/onlinepubs/009695399/functions/getrlimit.html>
>
> So we should add it. It'll probably happen during GSoC (POSIX Compliance Project).

Thanks for following up on this. It is looking to me like RLIMIT_AS is (or is becoming?) more of the standard and RLIMIT_VMEM is BSD specific. I do not see any mention of RLIMIT_VMEM in the posix specifications and Linux does not seem to support it either. At least it did not show up when I grep'd the Linux headers under /archive/Linux-2.6.13.1 on leaf for it.

#4 - 05/09/2009 06:56 PM - alexh

RLIMIT_AS definitely seems to be the only real standard here, so I would suggest to add it for POSIX compliance.

This is Beket's expertise, so I'll just leave it like this.

#5 - 05/10/2009 12:47 AM - Anonymous

: RLIMIT_AS definitely seems to be the only real standard here,
: so I would suggest to add it for POSIX compliance.
:
: This is Beket's expertise, so I'll just leave it like this.

Sorry for the delayed response, grabbed!

Cheers,
Stathis

#6 - 05/26/2009 07:27 AM - Anonymous

: RLIMIT_AS definitely seems to be the only real standard here,

Anyone any thoughts regarding the attached patch ?

Cheers,
Stathis

#7 - 07/03/2009 09:19 AM - Anonymous

>> RLIMIT_AS definitely seems to be the only real standard here,
> Anyone any thoughts regarding the attached patch ?

Unless no one objects in the next couple of days, I'll push it.

Cheers,
Stathis

#8 - 07/06/2009 03:46 PM - Anonymous

>>> RLIMIT_AS definitely seems to be the only real standard here,

Committed !
a874e0b7827b04e8d4e0d2454639e2fd9aa33220

#9 - 07/15/2009 11:05 PM - dillon

:Stathis Kamperis <ekamperi@gmail.com> added the comment:
:
:: RLIMIT_AS definitely seems to be the only real standard here,
:
:Anyone any thoughts regarding the attached patch ?
:
:Cheers,
:Stathis

This might create issues if a pkgsrc package is switch()ing on the RLIMIT cases and tries to switch on both RLIMIT_VMEM and

RLIMIT_AS.

If RLIMIT_VMEM is not used as much we might be able to just flat-out rename it to RLIMIT_AS. The question is whether it would be beneficial to the pkgsrc build or not.

-Matt

Files

rlimit.diff	1.13 KB	05/26/2009	Anonymous
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