Subject: Re: Re: [PATCH 1/2] SYSCTL: root unregister routine introduced
Posted by Kinsbursky Stanislav on Tue, 13 Dec 2011 10:15:30 GMT
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> On 12/13/2011 02:03 PM, Kinsbursky Stanislav wrote:

>>> On 12/13/2011 01:02 PM, Stanislav Kinsbursky wrote:

>>>>> On Mon, 12 Dec 2011 21:50:00 +0300
>>>>> Stanislav Kinsbursky<skinsbursky@parallels.com> wrote:
>>>>>
>>>>>> This routine is required for SUNRPC sysctl's, which are going to be
>>>>>> allocated,
>>>>>> processed and destroyed per network namespace context.
>>>>>> IOW, new sysctl root will be registered on network namespace creation
>>>>>> and
>>>>>> thus have to unregistered before network namespace destruction.
>>>>>>
>>>>> It's a bit suspicious that such a mature subsystem as sysctl newly
>>>>> needs its internals exported like this. Either a) the net namespaces
>>>>> work is doing something which hasn't been done before or b) it is doing
>>>>> something wrong.
>>>>>
>>>>> So, please explain further so we can confirm that it is a) and not b).
>>>>>
>>>> Hello, Andrew.
>>>> The goal is to provide an ability to control and modify data by sysctl's
>>>> in network namespace context. This is done by "net" sysctl's.
>>>> But there are two more issues to solve:
>>>> 1) Sysctl's have to be in /proc/sys/sunrpc
>>>> 2) Sysctl's content should be accessible from creator's network context
>>>> (not current user ones's).
>>>>
>>> Have you taken a look at how it is done at net/ipv4/sysctl_tcp_ipv4.c ,
>>> for instance?
>> I don't have this file.
>> Probably you are talking about net/ipv4/sysctl_net_ipv4.c, don't you?
> Yeah, my bad.
>

Sorry, man, but this is what I was talking in the first sentence of my answer to
Andrew. And this solution doesn't suits me because both issues stays unsolved:
1) sysctl's in net/ipv4/sysctl_net_ipv4.c will be created in "/proc/sys/net/"
directory, but I need "/proc/sys/".
2) net sysctl's just gives you an ability to create sysctl' dentries per network
namespace context. But data pointer will be the same in case of this dentry was
created for all network namespaces.

>>> It manages to handle a per-net sysctl table without touching a single
>>> bit at the kernel's core sysctl routines. Not entirely sure if it would
>>> fit your use case, but maybe it is worth taking a look.
>>>
>>> That file achieves both 1) and 2) that you described...
>>>
>>>
--
Best regards,
Stanislav Kinsbursky