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Subject: Re: [PATCH][IPVS] Don't leak sysctl tables if the scheduler registration fails

Posted by [Simon Horman](#) on Tue, 04 Dec 2007 01:36:48 GMT

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On Mon, Dec 03, 2007 at 01:04:53PM +0300, Pavel Emelyanov wrote:

> In case we load lblc or lblcr module we can leak some sysctl  
> tables if the call to register\_ip\_vs\_scheduler() fails.

This looks correct to me.

> I've looked at the register\_ip\_vs\_scheduler() code and saw, that  
> the only reason to fail is the name collision, so I think that  
> with some 3rd party schedulers this becomes a relevant issue. No?

I guess so. Though presumably register\_ip\_vs\_scheduler() could  
have other modes of failure in the future.

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

Acked-by: Simon Horman <horms@verge.net.au>

> ---  
>  
> diff --git a/net/ipv4/ipvs/ip\_vs\_lblc.c b/net/ipv4/ipvs/ip\_vs\_lblc.c  
> index b843a11..ad89644 100644  
> --- a/net/ipv4/ipvs/ip\_vs\_lblc.c  
> +++ b/net/ipv4/ipvs/ip\_vs\_lblc.c  
> @@ -580,9 +580,14 @@ static struct ip\_vs\_scheduler ip\_vs\_lblc\_scheduler =  
>  
> static int \_\_init ip\_vs\_lblc\_init(void)  
> {  
> + int ret;  
> +  
> INIT\_LIST\_HEAD(&ip\_vs\_lblc\_scheduler.n\_list);  
> sysctl\_header = register\_sysctl\_table(lblc\_root\_table);  
> - return register\_ip\_vs\_scheduler(&ip\_vs\_lblc\_scheduler);  
> + ret = register\_ip\_vs\_scheduler(&ip\_vs\_lblc\_scheduler);  
> + if (ret)  
> + unregister\_sysctl\_table(sysctl\_header);  
> + return ret;  
> }  
>  
>  
> diff --git a/net/ipv4/ipvs/ip\_vs\_lblcr.c b/net/ipv4/ipvs/ip\_vs\_lblcr.c  
> index e5b323a..2a5ed85 100644  
> --- a/net/ipv4/ipvs/ip\_vs\_lblcr.c  
> +++ b/net/ipv4/ipvs/ip\_vs\_lblcr.c

```
> @@ -769,9 +769,14 @@ static struct ip_vs_scheduler ip_vs_lblcr_scheduler =  
>  
> static int __init ip_vs_lblcr_init(void)  
> {  
> + int ret;  
> +  
> INIT_LIST_HEAD(&ip_vs_lblcr_scheduler.n_list);  
> sysctl_header = register_sysctl_table(lblcr_root_table);  
> - return register_ip_vs_scheduler(&ip_vs_lblcr_scheduler);  
> + ret = register_ip_vs_scheduler(&ip_vs_lblcr_scheduler);  
> + if (ret)  
> + unregister_sysctl_table(sysctl_header);  
> + return ret;  
> }  
>  
>  
--
```

Horms

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