
Subject: Re: [PATCH][IPVS] Fix compiler warning about unused
register_ip_vs_protocol

Posted by [Simon Horman](#) on Wed, 21 Nov 2007 01:38:02 GMT

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On Tue, Nov 20, 2007 at 03:08:42PM +0300, Pavel Emelyanov wrote:

```
> This is silly, but I have turned the CONFIG_IP_VS to m,  
> to check the compilation of one (recently sent) fix  
> and set all the CONFIG_IP_VS_PROTO_XXX options to n to  
> speed up the compilation.  
>  
> In this configuration the compiler warns me about  
>  
> CC [M] net/ipv4/ipvs/ip_vs_proto.o  
> net/ipv4/ipvs/ip_vs_proto.c:49: warning: $B!F (Bregister_ip_vs_protocol $B!G (B defined but not  
used  
>  
> Indeed. With no protocols selected there are no  
> calls to this function - all are compiled out with  
> ifdefs.  
>  
> Maybe the best fix would be to surround this call with  
> ifdef-s or tune the Kconfig dependences, but I think that  
> marking this register function as __used is enough. No?  
>  
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
```

That is kind of interesting.

On the one hand it might be more correct in some way to use some Kconfig
foo to get rid of register_ip_vs_protocol, and also most of
the body of \$B!F (Bregister_ip_vs_protocol() if no protocols are defined.

But on the other hand, its really a corner case, because in practice if
you are going to use IPVS then you are going to need at least one
protocol. So I'm happy with the simplicity of the __used solution, even
though strictly speaking it is a lie.

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

```
>  
> ---  
>  
> diff --git a/net/ipv4/ipvs/ip_vs_proto.c b/net/ipv4/ipvs/ip_vs_proto.c  
> index e844ddb..c0e11ec 100644  
> --- a/net/ipv4/ipvs/ip_vs_proto.c  
> +++ b/net/ipv4/ipvs/ip_vs_proto.c  
> @@ -45,7 +45,7 @@ static struct ip_vs_protocol
```

```
*ip_vs_proto_table[IP_VS_PROTO_TAB_SIZE];
> /*
>  * register an ipvs protocol
>  */
> -static int register_ip_vs_protocol(struct ip_vs_protocol *pp)
> +static int __used register_ip_vs_protocol(struct ip_vs_protocol *pp)
> {
>   unsigned hash = IP_VS_PROTO_HASH(pp->protocol);
>
> --
> 1.5.3.4
>
> -
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```

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Horms
