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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Horms