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Subject: Regression IPv6 Source address, compilation error

Posted by [PASSCE](#) on Wed, 05 Oct 2016 09:43:32 GMT

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Hi guys,

I really need CONFIG\_IPV6\_SUBTREES, which is disabled by default in kernel config.

If I enable it, I got following error while compiling my kernel.

Quote: CC [M] net/ipv6/ip6\_fib.o

net/ipv6/ip6\_fib.c: In function 'fib6\_add':

net/ipv6/ip6\_fib.c:918:1: warning: ISO C90 forbids mixed declarations and code

net/ipv6/ip6\_fib.c:923:27: error: invalid storage class for function 'fib6\_lookup\_1'

net/ipv6/ip6\_fib.c:1013:27: error: invalid storage class for function 'fib6\_locate\_1'

net/ipv6/ip6\_fib.c:1073:25: error: invalid storage class for function 'fib6\_find\_prefix'

net/ipv6/ip6\_fib.c:1095:26: error: invalid storage class for function 'fib6\_repair\_tree'

net/ipv6/ip6\_fib.c:1196:13: error: invalid storage class for function 'fib6\_del\_route'

net/ipv6/ip6\_fib.c:1309:12: error: invalid storage class for function 'fib6\_walk\_continue'

net/ipv6/ip6\_fib.c:1383:12: error: invalid storage class for function 'fib6\_walk'

net/ipv6/ip6\_fib.c:1397:12: error: invalid storage class for function 'fib6\_clean\_node'

net/ipv6/ip6\_fib.c:1436:13: error: invalid storage class for function 'fib6\_clean\_tree'

net/ipv6/ip6\_fib.c:1477:12: error: invalid storage class for function 'fib6\_prune\_clone'

net/ipv6/ip6\_fib.c:1487:13: error: invalid storage class for function 'fib6\_prune\_clones'

net/ipv6/ip6\_fib.c:1503:12: error: invalid storage class for function 'fib6\_age'

net/ipv6/ip6\_fib.c:1564:13: error: invalid storage class for function 'fib6\_gc\_timer\_cb'

net/ipv6/ip6\_fib.c:1569:12: error: invalid storage class for function 'fib6\_net\_init'

net/ipv6/ip6\_fib.c:1626:13: error: invalid storage class for function 'fib6\_net\_exit'

net/ipv6/ip6\_fib.c:1640:2: error: initializer element is not constant

net/ipv6/ip6\_fib.c:1640:2: error: (near initialization for 'fib6\_net\_ops.init')

net/ipv6/ip6\_fib.c:1641:2: error: initializer element is not constant

net/ipv6/ip6\_fib.c:1641:2: error: (near initialization for 'fib6\_net\_ops.exit')

net/ipv6/ip6\_fib.c:1677:1: error: expected declaration or statement at end of input

net/ipv6/ip6\_fib.c: At top level:

net/ipv6/ip6\_fib.c:81:13: warning: 'fib6\_prune\_clones' used but never defined

net/ipv6/ip6\_fib.c:83:25: warning: 'fib6\_find\_prefix' used but never defined

net/ipv6/ip6\_fib.c:84:26: warning: 'fib6\_repair\_tree' used but never defined

net/ipv6/ip6\_fib.c:85:12: warning: 'fib6\_walk' used but never defined

net/ipv6/ip6\_fib.c:86:12: warning: 'fib6\_walk\_continue' used but never defined

net/ipv6/ip6\_fib.c:97:13: warning: 'fib6\_gc\_timer\_cb' declared 'static' but never defined

net/ipv6/ip6\_fib.c: In function 'fib6\_add':

net/ipv6/ip6\_fib.c:1677:1: warning: control reaches end of non-void function

make[2]: \*\*\* [net/ipv6/ip6\_fib.o] Error 1

make[1]: \*\*\* [net/ipv6] Error 2

At least it doesn't work since 2.6.32.113.11. I don't have all history patch, so I can't find in which revision it stopped working.

And it was working in 2.6.32.57.7.

So this is clearly a regression.

May someone skilled in kernel source can fix it ?

Thanks,

PS : GCC compiler v4.5.x

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Subject: Re: Regression IPv6 Source address, compilation error

Posted by [PASSCE](#) on Thu, 06 Oct 2016 08:46:56 GMT

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I've isolated the problem, it's between 079.6 and 085.20

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