

Kernel module symbol versioning?

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Date: 08/22/03

To: linux-kernel@vger.kernel.org
Date: Fri, 22 Aug 2003 13:43:16 -0700

Hi,

I have been reading the book "Linux Device Drivers, 2nd Edition" and have some questions about symbol versioning. In Chapter 11 it mentions that you can use the `<linux/modversions.h>` header file to compile your module with symbol versions enabled, so that your module will load on multiple kernels and fail if the symbol CRC's do not match. I tested this out on a simple test module, but this module fails to load unless I pass the `-f` flag to `insmod` (Red Hat 7.3 and 8.0).

Is there a way to compile the module so that `insmod` will only complain if there is a version conflict? Or do you always have to use `-f` in this case to force the module to load? If you have to do that, will `-f` still fail to load if the versioned symbols don't match?

Regards,

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