

Re: how to deny reading of several sysctls (for a set of uids, f.e.)

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2007-01/msg00336.html>

- *From:* Max Laier <max@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 24 Jan 2007 14:56:29 +0100
-

On Wednesday 24 January 2007 14:23, you wrote:

On Tue, 23 Jan 2007 14:10:19 +0100
Max Laier <max@xxxxxxxxxxxxxxxx> wrote:

[..]

td->td_proc->p_ucred has the user credentials. You probably want to do your checks in userland_sysctl() according to the comment just above.

Thanks, it is really what I need.

Now I have once more question.
I made the kernel object with one check-function and all works fine from userland via syscall().

Is there a documented possibility to use syscalls `_inside_` kernel code?

In other words, I need to call the function located in loadable kernel object from kernel, doesn't matter how this would be done (syscall, etc).

My goal is to avoid kernel rebuilding each time after function modification.

Is it possible?

You should use a function pointer. Look for example at "ip_dn_io_ptr" in netinet. This is a function pointer that is populated from the dummynet module and (if non-NULL) called from the kernel (or ip_fw_pfil.c). Note that you might need some locking around the pointer access if you want to be able to load and unload the module at will. OTOH, sysctl seems to be protected by Giant anyways.

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/"\ Best regards, | mlaier@xxxxxxxxxxxx
\ / Max Laier | ICQ #67774661
X <http://pf4freebsd.love2party.net/> | mlaier@EFnet
\ / ASCII Ribbon Campaign | Against HTML Mail and News

Attachment: pgphMbTHGLp1J.pgp

Description: PGP signature