

Re: Lock order reversal in ral driver

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2008-03/msg00359.html>

- *From:* Sam Leffler <sam@xxxxxxxxxxxx>
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Robert Jenssen wrote:

Hi,

Since upgrading to FreeBSD 7 I have been experiencing some frustrating problems with my RAL wifi card. In particular, it seems to me that dhclient fails when the ral device driver times out while scanning for my access point. At the same time my HP PDA with Spectec WiFi SDIO card has no problems finding my access point.

Today I made a kernel with the following options:

```
makeoptions DEBUG=-g
options INVARIANTS
options INVARIANT_SUPPORT
options WITNESS
options DEBUG_LOCKS
options DEBUG_VFS_LOCKS
options DIAGNOSTIC
options SOCKBUF_DEBUG
options DDB
options KDB
```

Upon rebooting the dmesg immediately showed a lock order reversal in the ral driver in ieee80211_scan.c and rt2560.c (see below). Does this correspond to my symptoms? Is there a wizard out there who understands what is happening?

<...stuff snipped...>

The LOR is unrelated to any issues you are seeing and can be safely ignored. Try providing a description of your setup and a log that indicates the problem. For the latter look at wlandebug(8).

Sam

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