

Problems:

- I/O and/or machine hangs when userspace monitoring software uses a SCSI ioctl driver.
- Sudden high load or IO wait, system unresponsive

Environment:

- Red Hat Enterprise Linux 4.8
- Note that Red Hat Enterprise Linux 5 (and later) is specifically not affected.
- Qlogic HBA

Solutions:

- A first workaround is to avoid using any monitoring/management software which uses SCSI IOCTLS.
- A second workaround is to move the ioctl module (qioctlmmod.ko) to a location where it cannot be loaded.
- Fixed in <http://rhn.redhat.com/errata/RHBA-2011-0968.html>
* kernel-2.6.9-101.EL

More details:

You can follow the steps below to confirm this bug.

1. Look for the presence of qioctlmmod in lsmod output:

```
# lsmod | grep ioctl
qioctlmmod 79553 0
qla2xxx 204065 242 qioctlmmod,qla2400
```

2. Look in /var/log/messages for messages containing qim_cmd_wait with "status=1":

```
# grep qim_cmd_wait /var/log/messages
```

```
Mar 11 14:15:12 somehost kernel: qim_cmd_wait(8): entered
Mar 11 14:15:12 somehost kernel: qim_cmd_wait(8): exiting - ind=405, status=1.
```

3. Data from "sar" confirms high I/O wait and high load around the time of the "qim_cmd_wait" messages.