

isc-dhcpd logging breaks when syslog-ng HUP'd

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Hello,

I posted this to questions last month, but have not received any responses. I'm hoping somebody on this list may be able to help.

I have 2 servers running isc-dhcp3-server and syslog-ng. I have configured dhcpd to run in a chroot. The following (reproducible) sequence of events cause dhcpd logging to break:

- 1) Start syslog-ng
- 2) Start isc-dhcpd (At this point, logging is working fine)
- 3) `pkill -HUP syslog-ng` (This happens on the hour whenever logfiles need rotating, but can also be effected manually)
- 4) dhcpd logging is now broken
- 5) Restart isc-dhcpd (logging works again)

My theory (and it's only a theory) is that when isc-dhcpd starts, it gets an fd to the syslog socket. When syslog-ng receives a HUP, that socket is reopened and isc-dhcpd's fd is now broken.

Relevant options from rc.conf:

```
| syslogd_enable="NO"  
| newsyslog_enable="NO"  
| syslog_ng_enable="YES"  
| dhcpd_enable="YES"  
| dhcpd_flags="-q"  
| dhcpd_conf="/usr/local/etc/dhcpd.conf"  
| dhcpd_includedir="/usr/local/etc/dhcpd.d"  
| dhcpd_withumask="022"  
| dhcpd_chuser_enable="YES"  
| dhcpd_withuser="dhcpd"  
| dhcpd_withgroup="dhcpd"  
| dhcpd_devfs_enable="YES"  
| dhcpd_rootdir="/var/jails/dhcpd"  
| dhcpd_chroot_enable="YES"  
| dhcpd_ifaces="bge0"
```

Note that if I enable the dhcpd_jail options (to use a FreeBSD jail in addition to the chroot and unprivileged user), I still experience the same symptoms.

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My workaround:

For the hosts in question, I've added to the logrotate postrotate script: ``/usr/local/etc/rc.d/isc-dhcpd restart > /dev/null``

This workaround makes me a little uncomfortable, because these instances of dhcpd are critical for thousands of end users.

Is this a bug? Is there a better workaround? Logging from all other applications on the system is unaffected by the HUP to syslog-ng, including two jailed instances of bind9 (syslog-ng on the host opens up the socket `/var/run/log` inside those jails).

Any insight would be greatly appreciated.

Thanks,

—

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