

Setting up syslog server and syslog-ng clients

Background

perfSONAR machines must be setup so that they send logs to a central server.

The process to do is given below:

Step 1. Setup a syslog-ng client

This needs to be setup on a perfSONAR machine. For this we need to make a few changes to the "syslog-ng.conf" placed inside "/etc/syslog-ng/".

/etc/syslog-ng/syslog-ng.conf

```
..
options {
    ..
    use_fqdn(yes);
    ..
    ..
};

..

# define local source for logging
source local {
    unix-dgram("/var/run/log");
    udp(ip(127.0.0.1) port(514));
    internal();
};

..

# define destination loghost
destination loghost {
    tcp("10.0.0.13" port(514));
};

..

# define a filter
filter notdebug {
    level(info...emerg);
};

..

# now define the log
log {
    source(local);
    filter(notdebug);
    destination(loghost);
};

..
```

Sample [syslog-ng.conf](#) file attached.

Step 2. Setup a syslog server

This part is easy. Just make the following change in "/etc/sysconfig/syslog".

From:

/etc/sysconfig/syslog

```
SYSLOGD_OPTIONS="-m 0 "
```

to:

/etc/sysconfig/syslog

```
SYSLOGD_OPTIONS="-m 0 -r -x"
```

This change to the syslog daemon enables logging from remote machines and disables DNS lookups on incoming syslog messages.