joe@logger: ~

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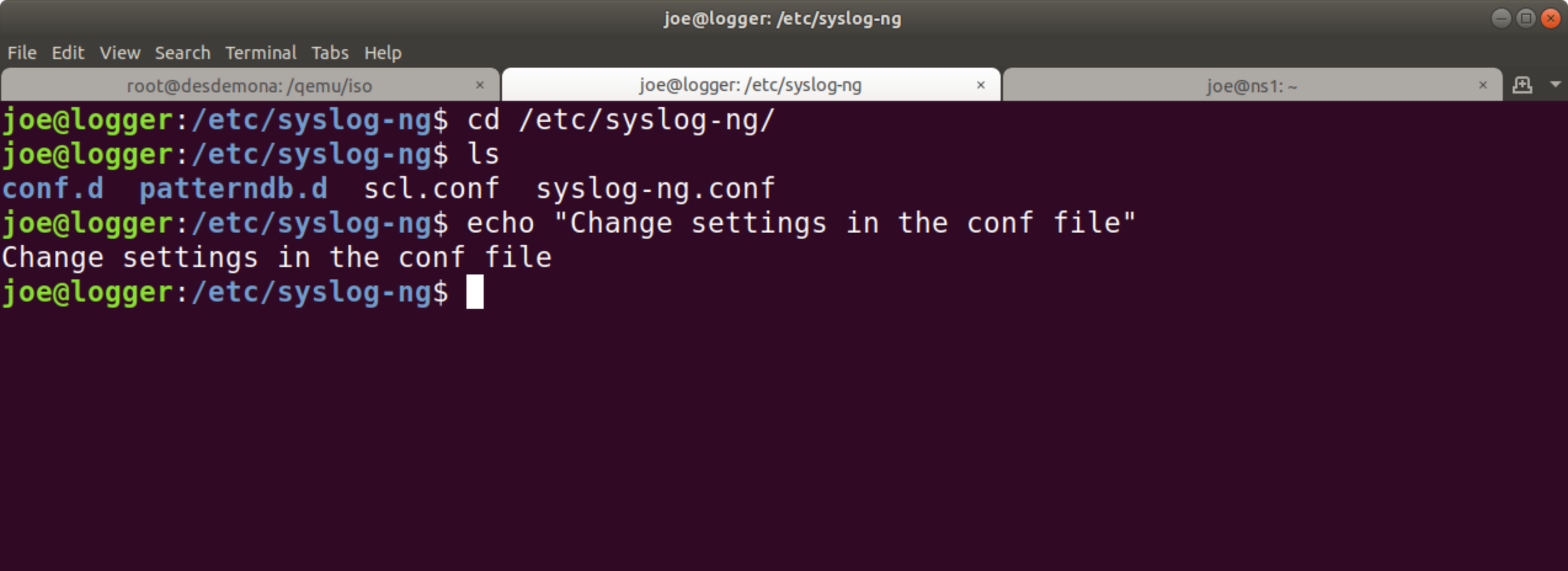
root@desdemona: /qemu/iso × | joe@logger: ~ × | joe@ns1: ~ ×

```
joe@logger:~$ sudo apt install syslog-ng syslog-ng-core
```


joe@logger: /etc/syslog-ng
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root@desdemona: /qemu/iso
joe@logger: /etc/syslog-ng
joe@ns1: ~
joe@logger:/etc/syslog-ng$ cd /etc/syslog-ng/
joe@logger:/etc/syslog-ng$ ls
conf.d patterndb.d scl.conf syslog-ng.conf
joe@logger:/etc/syslog-ng$ echo "Change settings in the conf file"
Change settings in the conf file
joe@logger:/etc/syslog-ng$

```
joe@logger:/etc/syslog-ng$ ls
conf.d  patterndb.d  scl.conf  syslog-ng.conf
joe@logger:/etc/syslog-ng$ cd conf.d/
joe@logger:/etc/syslog-ng/conf.d$ ls
joe@logger:/etc/syslog-ng/conf.d$ echo "We will create a  config file for a machine that w
e would like to gather logs for"
We will create a  config file for a machine that we would like to gather logs for
joe@logger:/etc/syslog-ng/conf.d$ ls
joe@logger:/etc/syslog-ng/conf.d$ sudo vi ns1.thegummibear.com.conf
```

joe@logger: /etc/syslog-ng/conf.d

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root@desdemona: /qemu/iso | joe@logger: /etc/syslog-ng/conf.d | joe@ns1: ~

```
#My config file to configure logs coming from ns1.thegummibear.com
# Anything put in the options section will override defaults

options {

        create_dirs(yes);
        owner(root);
        group(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"ns1.thegummibear.com.conf" [New] 13L, 256C written                13,2          All
```

```
#My config file to configure logs coming from ns1.thegummibear.com
# Anything put in the options section will override defaults

options {

        create_dirs(yes);
        owner(root);
        group(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};


# Now to apply a filter
# The logger machine will receive logs from multiple hosts
# We need to filter out the stream that this config file applies to
# filter is a reserved word f_ns1 is not

filter f_ns1 {
        host("144.38.199.50");  #this is the ip of the ns1 machine
};

~
~
~
~
~
-- INSERT --                                                    24,1          All
```

```
        create_dirs(yes);
        owner(root);
        group(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};

# Now to apply a filter
# The logger machine will receive logs from multiple hosts
# We need to filter out the stream that this config file applies to
# filter is a reserved word f_ns1 is not

filter f_ns1 {
        host("144.38.199.50");  #this is the ip of the ns1 machine
};

# Specify the output file
# This will control where the file is written to
# destination is a reserved word, d_ns1 is not
destination d_ns1 {
        file("/var/log/ns1/$YEAR-$MONTH-$DAY.ns1.log");
};
~
~
~
~
~
"ns1.thegummibear.com.conf" 29L, 724C written                 29,2          Bot
```

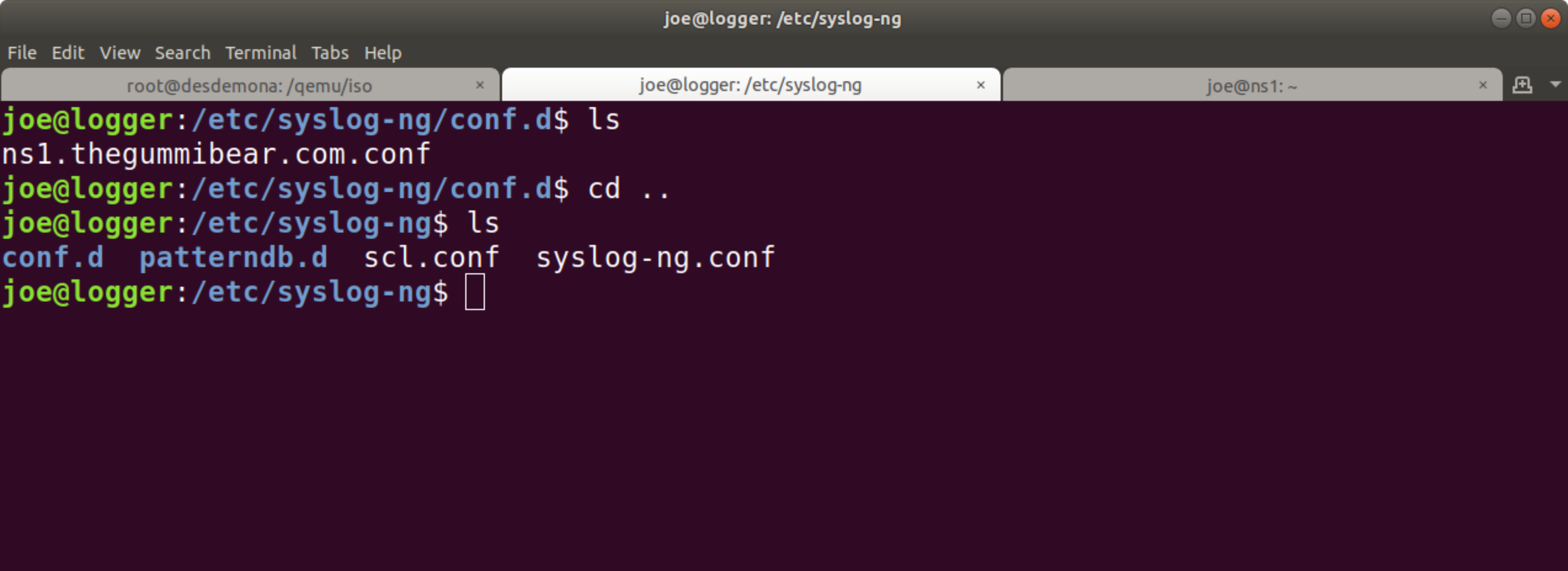
```
        group(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};

# Now to apply a filter
# The logger machine will receive logs from multiple hosts
# We need to filter out the stream that this config file applies to
# filter is a reserved word f_ns1 is not

filter f_ns1 {
        host("144.38.199.50");  #this is the ip of the ns1 machine
};

# Specify the output file
# This will control where the file is written to
# destination is a reserved word, d_ns1 is not
destination d_ns1 {
        file("/var/log/ns1/$YEAR-$MONTH-$DAY.ns1.log");
};

# finally the next lines will put everything together
log {
        source(s_udp); #s_udp is defined in global file
        filter(f_ns1);
        destination(d_ns1);
};
"ns1.thegummibear.com.conf" 36L, 874C written                 36,2          Bot
```


joe@logger: /etc/syslog-ng
File Edit View Search Terminal Tabs Help
root@desdemona: /qemu/iso
joe@logger: /etc/syslog-ng
joe@ns1: ~
joe@logger:/etc/syslog-ng/conf.d$ ls
ns1.thegummibear.com.conf
joe@logger:/etc/syslog-ng/conf.d$ cd ..
joe@logger:/etc/syslog-ng$ ls
conf.d patterndb.d scl.conf syslog-ng.conf
joe@logger:/etc/syslog-ng$

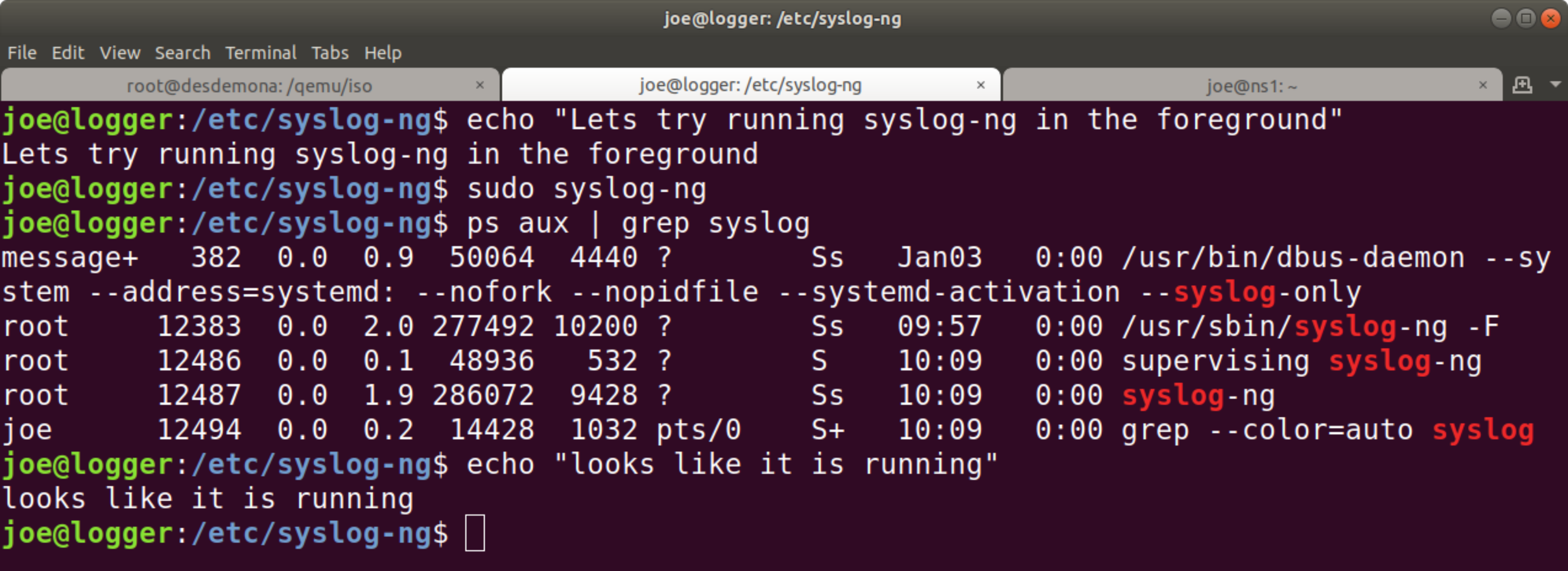
```
joe@logger:/etc/syslog-ng/conf.d$ ls
ns1.thegummibear.com.conf
joe@logger:/etc/syslog-ng/conf.d$ cd ..
joe@logger:/etc/syslog-ng$ ls
conf.d  patterndb.d  scl.conf  syslog-ng.conf
joe@logger:/etc/syslog-ng$ echo "Let's verify that s_udp exists.  We may have to create it
"
Let's verify that s_udp exists.  We may have to create it
joe@logger:/etc/syslog-ng$ sudo vi syslog-ng.conf
```

```
############################
# Sources
############################
# This is the default behavior of sysklogd package
# Logs may come from unix stream, but not from another machine.
#
source s_src {
        system();
        internal();
};

# I guess only the system and internal sources were specified
# I will add the udp source here
#
source s_udp {
        udp(port(514));
};

# If you wish to get logs from remote machine you should uncomment
# this and comment the above source line.
#
#source s_net { tcp(ip(127.0.0.1) port(1000)); };

############################
# Destinations
############################
# First some standard logfile
#
destination d_auth { file("/var/log/auth.log"); };
"syslog-ng.conf" 168L, 6043C written                          29,2          8%
```


joe@logger: /etc/syslog-ng
File Edit View Search Terminal Tabs Help
root@desdemona: /qemu/iso
joe@logger: /etc/syslog-ng
joe@ns1: ~
joe@logger:/etc/syslog-ng$ echo "Lets try running syslog-ng in the foreground"
Lets try running syslog-ng in the foreground
joe@logger:/etc/syslog-ng$ sudo syslog-ng
joe@logger:/etc/syslog-ng$ ps aux | grep syslog
message+ 382 0.0 0.9 50064 4440 ? Ss Jan03 0:00 /usr/bin/dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation --syslog-only
root 12383 0.0 2.0 277492 10200 ? Ss 09:57 0:00 /usr/sbin/syslog-ng -F
root 12486 0.0 0.1 48936 532 ? S 10:09 0:00 supervising syslog-ng
root 12487 0.0 1.9 286072 9428 ? Ss 10:09 0:00 syslog-ng
joe 12494 0.0 0.2 14428 1032 pts/0 S+ 10:09 0:00 grep --color=auto syslog
joe@logger:/etc/syslog-ng$ echo "looks like it is running"
looks like it is running
joe@logger:/etc/syslog-ng$