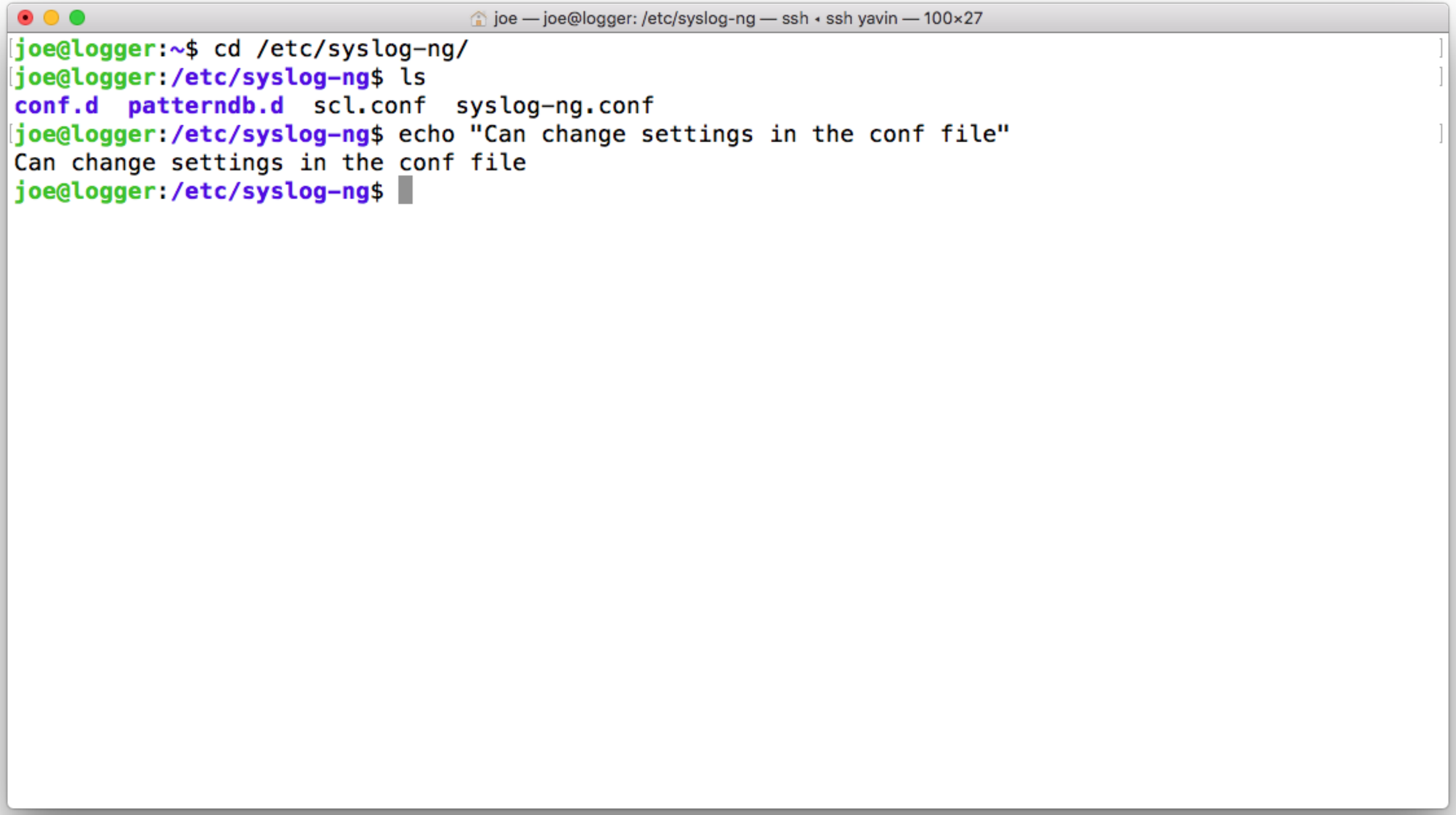
joe — joe@logger: ~ — ssh ‹ ssh yavin — 100×27

```
joe@logger:~$ echo "Install the packages necessary for the server to receive logs"
Install the packages necessary for the server to receive logs
joe@logger:~$
```

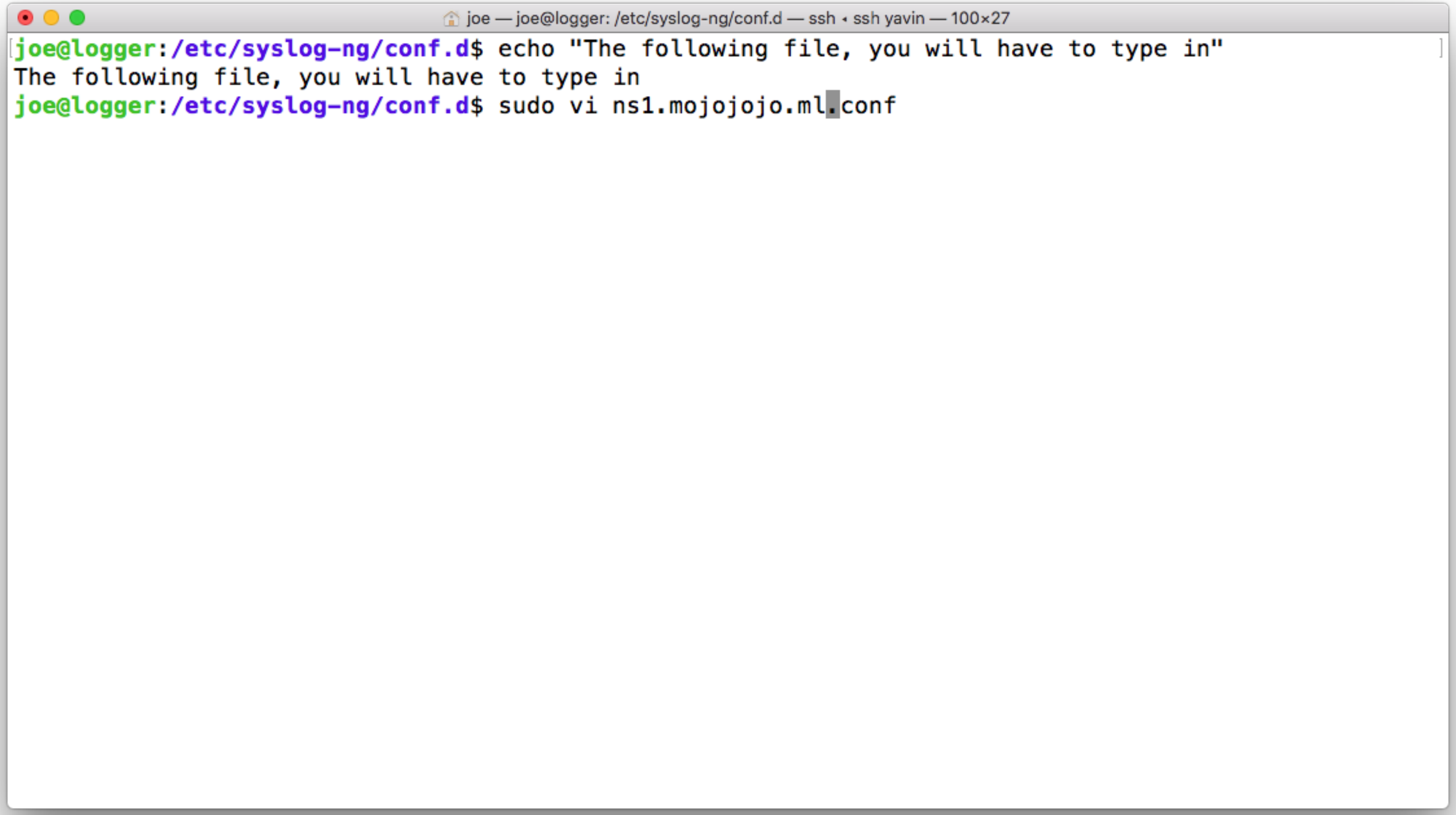
joe — joe@logger: ~ — ssh ‹ ssh yavin — 100×27

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


joe — joe@logger: /etc/syslog-ng — ssh ‹ ssh yavin — 100×27
joe@logger:~$ 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 "Can change settings in the conf file"
Can change settings in the conf file
joe@logger:/etc/syslog-ng$

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×27

```
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$ echo "We will make our own configuration file for machines we want
 to capture logs from in this directory"
We will make our own configuration file for machines we want to capture logs from in this directory
joe@logger:/etc/syslog-ng/conf.d$
```


joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×27
joe@logger:/etc/syslog-ng/conf.d$ echo "The following file, you will have to type in"
The following file, you will have to type in
joe@logger:/etc/syslog-ng/conf.d$ sudo vi ns1.mojojojo.ml.conf

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×27

```
#ns1.mojojojo.ml syslog-ng config file

# First we will override some options from the global file

options {
        create_dirs(yes);
        owner(root);
        groupt(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};

~
~
~
~
~
~
~
~
~
~
~
~
"ns1.mojojojo.ml.conf" 15L, 230C written                    14,0-1        All
```

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×24

~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

```
# First we will override some options from the global file

options {
        create_dirs(yes);
        owner(root);
        groupt(root);
        perm(0664);
        dir_owner(root);
        dir_group(root);
        dir_perm(0755);
};

#apply a filter
# Since our 'logger' machine is going to receive log streams from multiple hosts
# We need to filter out which stream this config file applies to
# filter is a reserved word f_ns1 is not
filter f_ns1 {
        host("144.38.201.34");
};

~
~
~
"ns1.mojojojo.ml.conf" 22L, 475C written                              21,2          Bot
```

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×24

~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

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

#apply a filter
# Since our 'logger' machine is going to receive log streams from multiple hosts
# We need to filter out which stream this config file applies to
# filter is a reserved word f_ns1 is not
filter f_ns1 {
        host("144.38.201.34");
};

# Specify the output file
# Where do we want this log stream written to?
# destination is a reserved word, d_ns1 is not
destination d_ns1 {
        file("/var/log/ns1/$YEAR-$MONTH-$DAY.ns1.log");
};
"ns1.mojojojo.ml.conf" 29L, 668C written                              27,48-55      83%
```

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 112×24

~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

```
#apply a filter
# Since our 'logger' machine is going to receive log streams from multiple hosts
# We need to filter out which stream this config file applies to
# filter is a reserved word f_ns1 is not
filter f_ns1 {
        host("144.38.201.34");
};

# Specify the output file
# Where do we want this log stream written to?
# destination is a reserved word, d_ns1 is not
destination d_ns1 {
        file("/var/log/ns1/$YEAR-$MONTH-$DAY.ns1.log");
};

# Now put all the magic together
log {
        source(s_udp);
        filter(f_ns1);
        destination(d_ns1);
};
```

36,1-8 Bot

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×24

~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

```
joe@logger:/etc/syslog-ng/conf.d$ echo "There is one more thing we have to do. If you noticed that s
_udp line, you may wonder where it came from"
There is one more thing we have to do. If you noticed that s_udp line, you may wonder where it came
from
joe@logger:/etc/syslog-ng/conf.d$ echo "we must add it. I could have added it to that file, but sinc
e the source will be the same from various hosts, let's put it in the global config file."
we must add it. I could have added it to that file, but since the source will be the same from vario
us hosts, let's put it in the global config file.
joe@logger:/etc/syslog-ng/conf.d$
```

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×24

~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

```
joe@logger:/etc/syslog-ng/conf.d$ sudo vi ../
conf.d/          patterndb.d/    scl.conf         syslog-ng.conf
joe@logger:/etc/syslog-ng/conf.d$ sudo vi ../syslog-ng.conf
```

joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 100×24

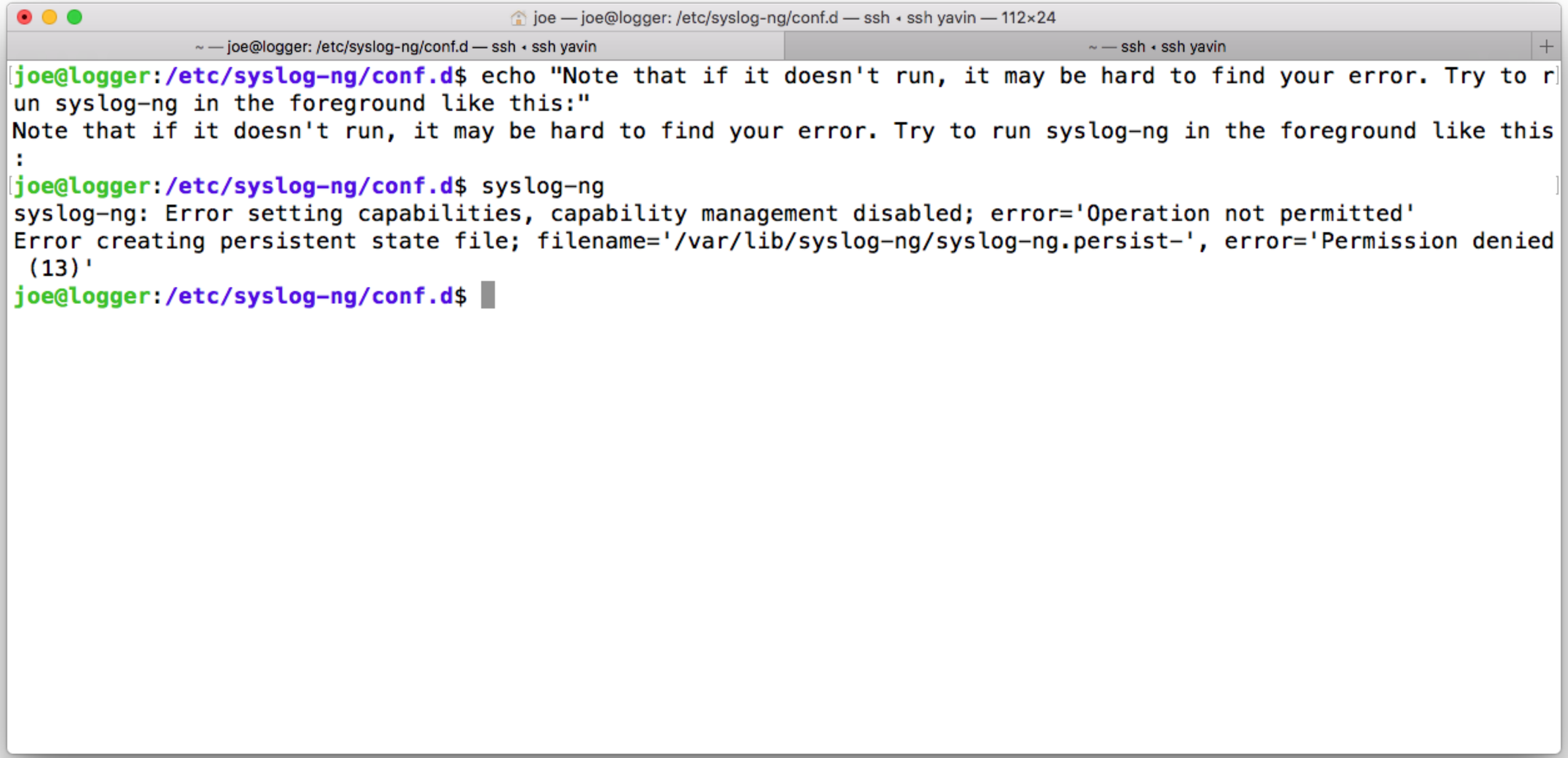
~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin | ~ — ssh ◂ ssh yavin

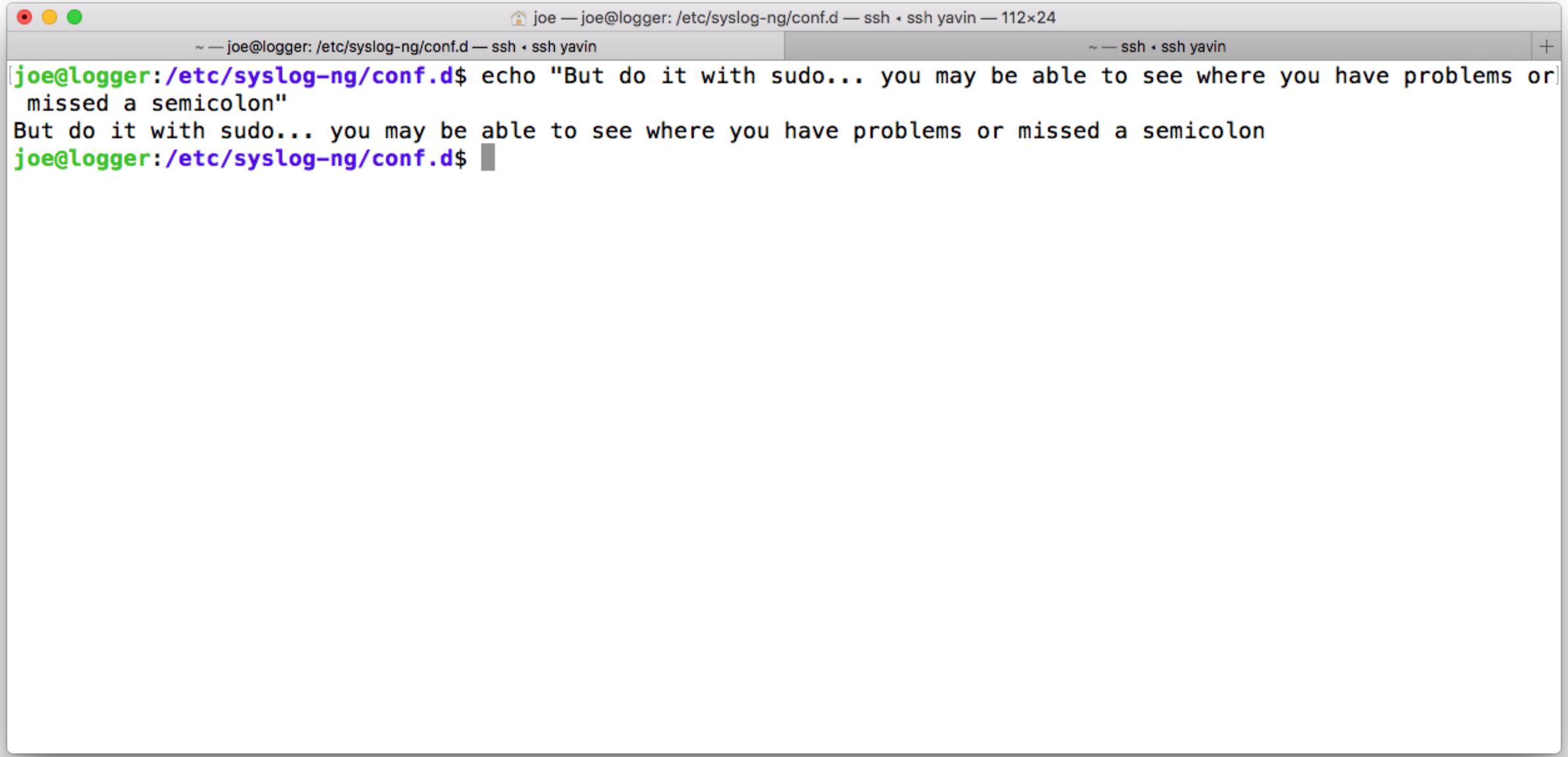
```
        bad_hostname("^gconfd$");
};

##########################
# 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();
};

#here is what I added
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)); };
"../syslog-ng.conf" 167L, 6007C written                    25,21         6%
```


joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 112×24
~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin
~ — ssh ◂ ssh yavin
joe@logger:/etc/syslog-ng/conf.d$ echo "Note that if it doesn't run, it may be hard to find your error. Try to r
un syslog-ng in the foreground like this:"
Note that if it doesn't run, it may be hard to find your error. Try to run syslog-ng in the foreground like this
:
joe@logger:/etc/syslog-ng/conf.d$ syslog-ng
syslog-ng: Error setting capabilities, capability management disabled; error='Operation not permitted'
Error creating persistent state file; filename='/var/lib/syslog-ng/syslog-ng.persist-', error='Permission denied
(13)'
joe@logger:/etc/syslog-ng/conf.d$


joe — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin — 112×24
~ — joe@logger: /etc/syslog-ng/conf.d — ssh ◂ ssh yavin
~ — ssh ◂ ssh yavin
joe@logger:/etc/syslog-ng/conf.d$ echo "But do it with sudo... you may be able to see where you have problems or missed a semicolon"
But do it with sudo... you may be able to see where you have problems or missed a semicolon
joe@logger:/etc/syslog-ng/conf.d$