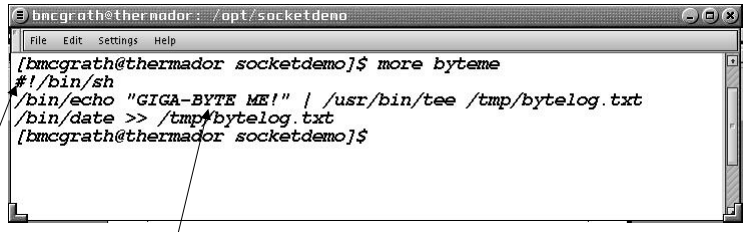
socket demo

What are we doing

- creating a simple shell script to be run
- add service to /etc/services
- add script to /etc/xinetd.d for the service
- restart xinetd to start
- test with telnet
- use ntsysv to start and stop
- check and see what ntsysv is doing

Create a script

This is what will run when we access out service



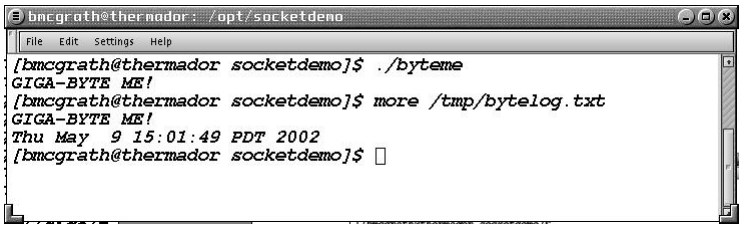
Start a shell

Cheerful networking message tee'd to a log file which has the date and time appended to it

Test it from the command line

Sends message to stdout

Sends message and timestamp to log file



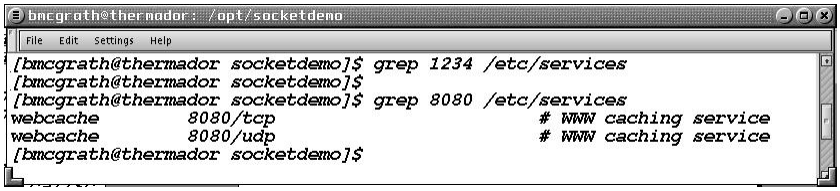
Make sure you are not at root (you should be able to run the service as anybody)

Pick a name and number

Sockets with numbers less than 1024 are root

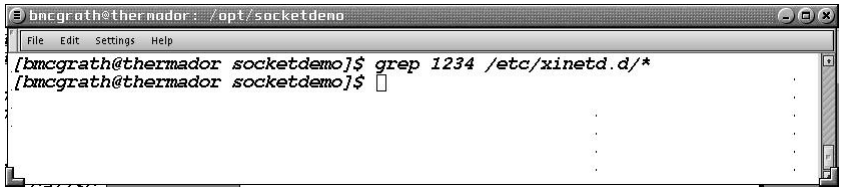
When you pick a number grep against /etc/services to make sure it's not already used.

We'll try 1234



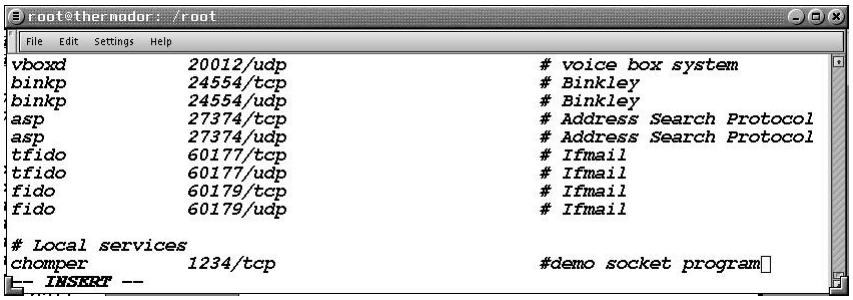
1234 is not used - 8080 is

Check for references in xinetd.d



In case there's a script in xinetd.d calling a service not in /etc/services

Select an improbable name and add a new entry in /etc/services



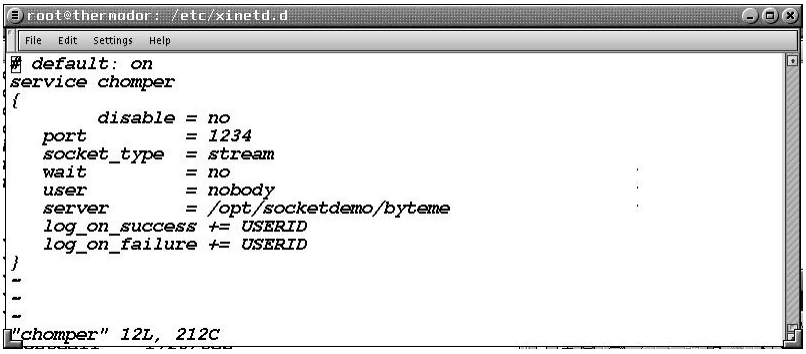
After the # Local Services header at the end

YOU DIDN'T FORGET DID YOU????

WELL - DID YOU????

If you don't save these config files - you are going to hell in a sled and nobody is going to feel sorry for you!!!!!

create a chomper script in /etc/xinetd.d



The fields

disable - determines state when xinetd starts

port - number associated with service

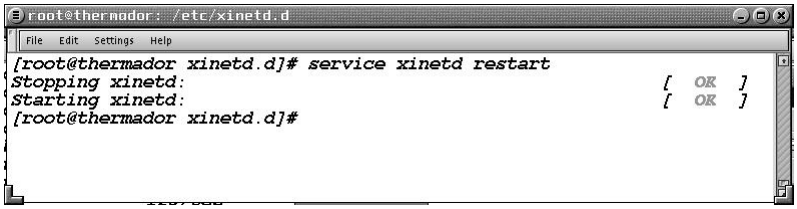
socket_type - streams (tcp) or dgram (udp) mostly

server - the program you want to run ABSOLUTE PATH!

user - entry must by in /etc/passwd (nobody = everybody)

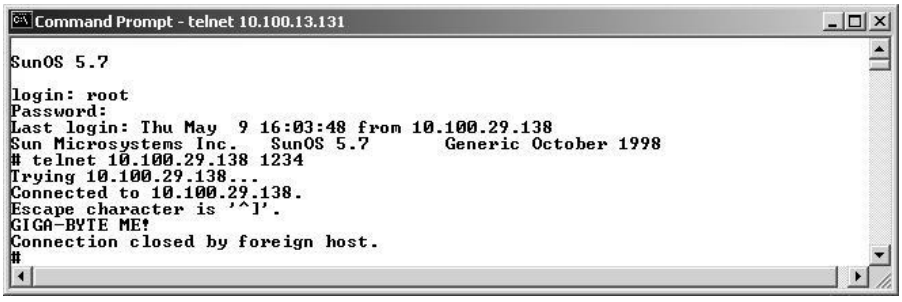
wait - yes = single thread / no = multithread

restart xinetd

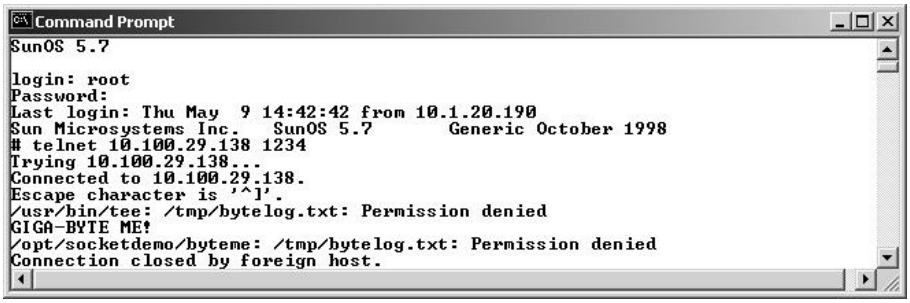


try it from another station

telnet <ip address> 1234

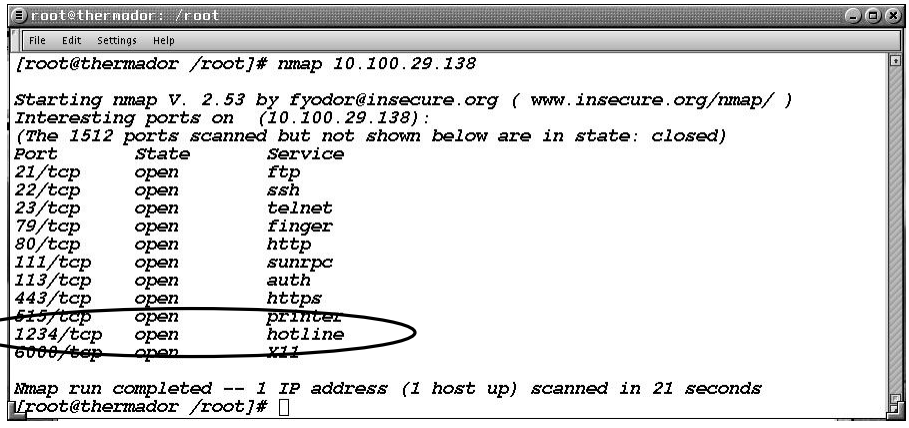


If you have a problem...



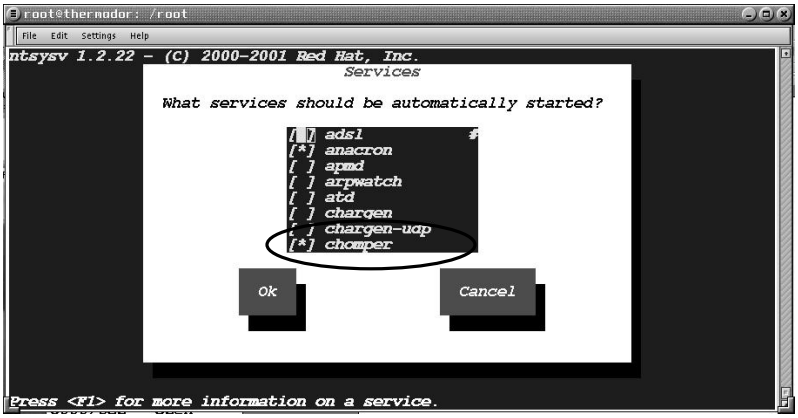
You tested the program on your station with wrong permissions for nobody. You don't have permission to overwrite the file

port 1234



service startup

ntsysv allows check/uncheck control of service start



what's it do??

unchecking chomper sets disable to "yes" in /etc/xinetd.d/chomper