Global Information Assurance Certification Paper

Security Analysis:

My_Company Internet Services Linux Server Farm

Michael James Gauthier, A+, CCDA, CCNA, MCSE+I, N+
Systems Engineer
My_Company Internet Services
November 19th, 2000

SANS Network Security Conference 2000
Monterey, CA
Securing Unix Practical Assignment

Report Introduction

Introduction

This paper is dedicated to the high-risk security issues associated with My_Company Internet Services Linux based servers. It hopes to provide a complete reference of known miss-configurations, software bugs, and physical security holes as of the time of its writing. The current practical assignment for GCUX is such an assessment of a single server, however, because the writer is responsible for the security of My_Company's servers, it was his choice to use real, mission-critical servers. Furthermore, due to the deep inter-relationship of the servers, and generally similar installations, the writer decided to evaluate all of the servers as a single autonomous body.

Background

My_Company Internet Services is an ISP serving the eastern “Some State” area from southern “Some State” to northern “Some State”. Having grown from serving a single city to serving one-third of a state, the company has scaled their servers and added servers and services on an "as needed" basis. Until recently, an outside consulting firm preformed all administrative tasks on the servers. The writer was hired approximately four months ago in an effort to reduce, and if possible, eliminate the need for outside consultants.

Currently, My_Company maintains five Linux based Internet servers. NameServer01 serves as primary DNS server, Radius server, and TFTP server. OriginalServer serves as user web and FTP server, POP3 server, secondary DNS server, commercial static web server. MailServer01 serves as SMTP server. NewWebServer serves as commercial e-commerce web server and FTP server. LogServer01 serves as central log server and administration server.

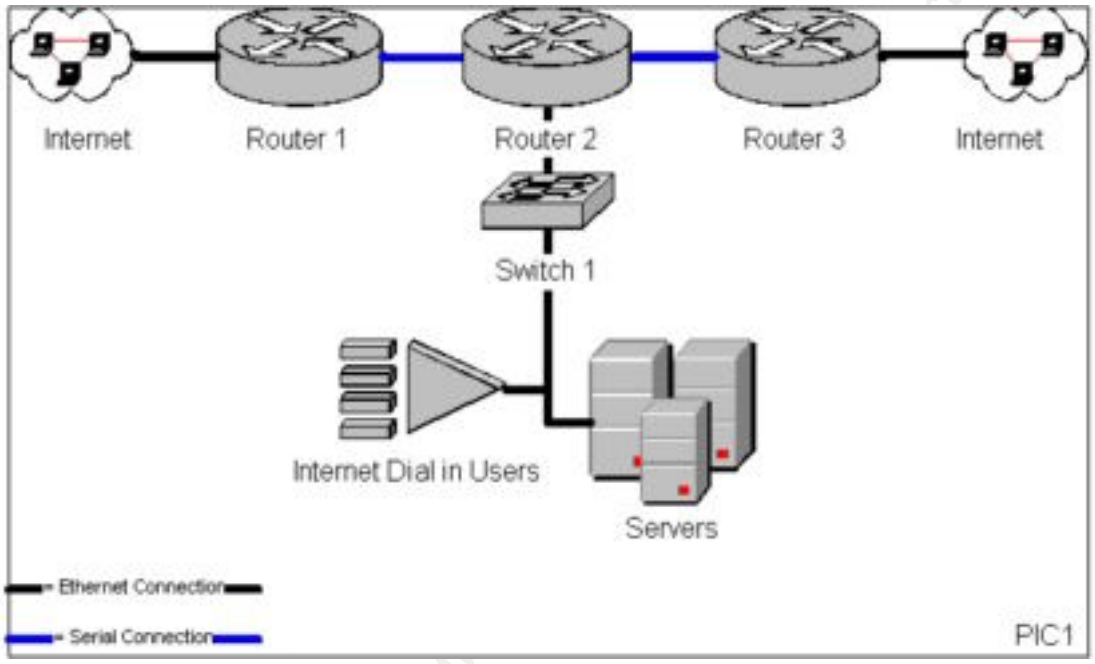
How we will proceed

This document will be broken down into three main components followed by an appendix. Each of the main discussions will center on a category of security, network based, host based, and physical security. The sections will all conclude with a plan of action including justification for the specific sequencing. The order chosen was order of importance based on My_Company's business goals and general usage of the systems. Network usage, being nearly the only usage the servers receive, will be discussed first, followed by a host-based assessment. Host usage is second, due to the fact that only paying customers have, or should have, anything other than read-only access. Physical security is last, not because it is unimportant, but because it has been the writer’s observation that few people know the physical location of the servers, especially in comparison to the number of people with network access. (i.e. the entire world)

Network Based Security

Architecture

The current network architecture is depicted in PIC1.



Currently the only non-server based firewalling being done is on Router 1 and Router 3 which are dropping the private ip address range and ip multicast. It can therefore be assumed that traffic from anywhere on the Internet can reach the servers. It should also be noted that the routers are set to drop source-routed packets. It is a requirement of the ISP to provide virtually unrestricted Internet access to customers, however unrestricted access to the servers is not in the least way a requirement. Thus, the terminal servers would need to be moved from the server segment to avoid imposing server firewalling on customer Internet connections.

Scan with nmap and nessus

The results of a full nmap scan can be found in appendix A. At first glance the results seam fairly respectable, hardly any unneeded services running. We notice TELNET running on OriginalServer and NewWebServer, which management is aware of. The DAYTIME service is available for no known reason. The use of NFS is apparent and the export list is somewhat alarming.

NameServer01 is not running any other unnecessary services. OriginalServer is running MAILSTATS on port 2525 TCP to report mail throughput. However SMTP is a false positive, it is being redirected to MailServer01. NewWebServer is running SMTP, DOMAIN, and MYSQL for no known reason. POP3

is being redirected to OriginalServer. MailServer01 is running DOMAIN; POP3 and TELNET are incorrect, the ports appear mis-configured. It is also running MAILSTATS on port 2525 TCP to report mail throughput.

Nessus found that all BIND versions were out of date and contained known security flaws, NAMED 8.1.2. The FTP servers were also found to have known security problems, PROFTPD 1.2pre10. The SSH daemen also was flagged as a serious security problem, SSHD 1.2.25. Finger.cgi was found on OriginalServer, which allows the world to do finger lookups from our server. The BIND servers allowed recursive queries with no restrictions. This allows anyone to use our DNS servers rather than just our customers. The final serious security flag was a false positive; the search.cgi script was not located on the server; the port was sent a redirect, which the scanner flagged as a return.

A UDP scan was not conducted on any hosts except LogServer01 ports 1-25000. The reason is the time sensitivity of this report. The UDP scan mentioned above took over seven hours do to an apparent configuration, limiting the ICMP error message rate. (Suggested in RFC 1812 section 4.3.2.8[1] and documented in the NMAP man[2] page) As the person(s) conducting scans should be present at all times, full UDP scans are simply out of the question in this scenario.

Policy

It is currently the policy of My_Company Internet Services to allow users TELNET access to change their email account password. No users on the servers are authorized to have or use shell accounts. The purpose of the TELNET daemon is for customers to change the password for their POP3 account, thus their shell is /usr/bin/passwd. See appendix A for sample /etc/passwd file. It is also My_Company policy to allow users 4MB of web space accessible via ftp. This web space allows cgi scripts to be executed on My_Company equipment without any prior sanitizations from My_Company. The use of NFS has also been approved by My_Company to transfer mail from the mail server, MailServer01, to the POP3 server, OriginalServer. As well as to transfer radius logs from NameServer01 to LogServer01.

Recommended Plan of Action

The first recommended action is the removal of the finger.cgi. This is a quick and easy fix to a problem no one knew existed. In quick succession, the DAYTIME service should be removed from xinetd.conf. Both of these actions require negligible time to accomplish, in fact it probably took longer to write this paragraph than it will to remove these two vulnerabilities.

Next BIND, PROFTPD, and SSHD should be upgraded. This order was chosen because BIND poses the largest security threat due to the number of servers it is running on and the number of people that are aware of its existence. BIND should also be configured to allow recursive queries only from My_Company and other customer IP addresses. SSHD is considered lesser of the three because no one has a shell account and thus it receives less use and less advertisement. Finally the use of ipchains firewalling should be considered. Defense in depth

(http://www.infowar.com/iwftp/infowar/vol0302.txt heading 10^3) is the best policy and every layer that a hacker needs to break down is that much more noise they will make.

Finally management should be aware of the many dangers of the use of NFS in this architecture. The decision not to implement a firewall rule set of ACL's on the Cisco router interface connected to the server farm switch should be thoroughly reconsidered, and in the writers view, reversed. Without difficulty, the terminal servers could be relocated to another segment, and ACL's could be implemented on the Cisco router port connected to the server's segment. Also, the purpose of the TELNET daemen should be considered as well as its use. The cost of keeping up to date on security patches for it should be weighed against the value it provides customers. Finally, the need for MYSQL, DOMAIN, and SMTP to be open on an interface other than loopback, on their respected non-commercial servers, (i.e. SMTP on servers other than the SMTP server) should be evaluated.

Host Based Security

Double Check Policies

It is currently My_Company's policy that no user, save for corporate partners, have shell access. Thus, the host-based section of this document will focus on ensuring that this is in fact the case. We will also make certain that host based access is secured in a reasonable fashion. The majority of this section will then focus on configuration of the network services that each server offers.

We will do a quick check of passwd file, results in Appendix B, to ensure that no unauthorized user has shell access. All shell accounts check out with management, and, as a policy, shell access is restricted to SSH. We will also ensure that SSHD is restricted to authorized IP addresses, results in Appendix B, to thus limit the locations a user can gain access from. As an ISP, we can ensure that we control the majority of the address space that we allow to connect. Any that we cannot, are generally directly connected to us in the form of our partners or upstream provider. Finally, TELNETD was found running on NewWebServer with no access restrictions. This creates a large hole in the server farm's security as a whole, due to the fact that the root password is transferred in the clear (http://www.sans.org/infosecFAQ/DSL.htm list 2 number 11[4]) if a user su's to root.

Passwords

Currently all shell accounts are created with properly secure (http://www.ja.net/CERT/Belgers/UNIX-password-security.html section "Picking Good Passwords"[5]) random, 8 character combinations. There is, however, no policy for changing passwords. Also, customer passwords are, as a rule, "bad" passwords, which never require changing. These situations will not change, as management has dictated them for customer ease of use and partner interaction.

Server configuration

The HTTP server, Apache, was found to be incorrectly configured on many password protected sites. The .htpasswd file was found beneath the document root (http://www.apache.org/docs/mod/mod_auth.html#authuserfile section AuthUserFile[6]) and was named .htpasswd. Apache was also configured to relay its version information. OriginalServer was found to allow cgi exec in all home directories public_html folders, which are writable by the customers. And none of the FTP servers included an AllowFilter limiting accepted characters (http://www.proftpd.net/security.html section Securing PROFTPD[7]) to protect against buffer-overflow attacks. Also, no quota system is in place for the home directories. Sendmail was found to respond to the HELP command, displaying its version number, even though the banner had been altered. NAMED also divulged its version number, and had no restriction on zone transfers for primary or secondary servers. NAMED also allowed recursive queries from any IP address on every

server upon which it was running. Also TFTPD was running on NameServer01 with no host-based restrictions in place.

A list of SUID and SGID programs was created for each server using the find command, results in Appendix B. This list should be carefully examined and all unnecessary programs removed, or, have the SUID or SGID bit removed.

Backups and Restoration

Currently NewWebServer is backed up successfully and expediently on an internal tape drive every night. A full backup is performed using the dump program initiated from a cron job. MailServer01, NameServer01, OriginalServer, and LogServer01 are backed up on an internal tape drive in LogServer01. A full backup is performed nightly by a cron job that starts dump. The backup starts at five minutes past twelve and finishes at approximately three o'clock am. Unfortunately, the tape runs out of space before the full file system on each server is finished. Currently, none of the /usr partitions, MailServer01:/usr/local and :/data, and LogServer01:/ and :/var get backed up, and NameServer01:/var is not fully backed up. A restore procedure is in place, and was tested during the time the security audit took place, when the RADIUS user database became corrupted and a restore from backup was required. The restore was successful and completed in a timely manner; thankfully, it was contained on the part of NameServer01:/var that had been backed up.

Logging

A single copy of log information is kept on each server, rotated monthly and kept indefinitely. LogServer01 is the central log server for routers and terminal servers, but does not receive log information from the other servers. Currently, there is no mechanism to verify the integrity of log files, or binary and system files for that matter. Other than the backups, which go back no longer than three weeks at any one time, there is only a single copy of log information being stored.

LSOF Results

The results of the NMAP scan were verified, and UDP information expanded upon, by running LSOF on each server; results in Appendix B. For the most part, the NMAP results were echoed, and a snapshot view of typical server traffic was taken. One bright red flag did appear however; LogServer01 is listening for the TCP SHELL service, a. k. a. RSH. The reason this did not appear on the NMAP scan results was because XINETD implemented host based security and the machine that conducted the scan was excluded from the service. Any of the R programs are tremendously dangerous (http://www.linuxsecurity.com/advisories/caldera_advisory-308.html section 1. sub-section I[8]) and implements virtually no security.

Recommended Plan of Action

First and foremost, the TELNET daemon should be removed from NewWebServer and no user with a valid shell should be allowed to connect to OriginalServer. The SHELL service should be removed from LogServer01. A central directory should be created on the web servers where all .htpasswd files should then be kept. This directory should be owned by root and readable by world, but should not be under any HTTPD document root or symlink. The TFTPD server should have host-based security implemented, thus restricting accepted clients. An AllowFilter should then be setup on all PROFTP daemons to protect against known and unknown buffer overflow problems. A quota system should also be researched, and, if possible, implemented to protect against DoS attacks. When the BIND daemon is upgraded, it should be configured to divulge erroneous version information, and zone transfers should be restricted to the proper servers. When the Sendmail daemon is upgraded, it should be set to disallow the HELP command, and thus no longer allow its version number to be easily checked.

The sshd_config file should be examined to ensure that all AllowHosts entries are current and correct. If at all possible, a policy should be set requiring all partners to change passwords on a regular basis, along with the root password. Management is currently aware of the backup problem, and a new, larger capacity and higher transfer rate backup library is currently being purchased. In light of the fact that no firewalling is being done, the security of network backups is quite definitely in question and should be reviewed. Another case for ACL's on the Cisco router should be made to ensure the integrity of the backups being done. Management should also evaluate the safety of allowing cgi's to be executed in user FTP home folders, but ultimately, this is a business decision. The viability of running the web server chrooted could be considered. A system such as TRIPWIRE should be evaluated to ensure the integrity of system binaries. Sending log messages to LogServer01 should be considered to ensure the integrity, and allow for the comparison of log data. And, finally, as stated above, the list of SUID and SGID files should be examined and all unnecessary executable should be removed, or have their permissions reset.

Physical Security

Data Center Access

Currently, the servers all reside in the same data center in side-by-side rail-mount cabinets. This room does not have a false ceiling, or a raised floor. All walls are cement block and run from ceiling to floor. There are two steel doors into the room, one of which does not allow outside entrance unless first opened from within. The only entrance to the room is by key card or a physical key. The physical key lock is only for emergencies that cause the key card system to fail, thus only two people poses a physical key. All in all, physical access to the room is well controlled. Unfortunately, both doors are hinged on the outside and the pins appear as though they can be easily removed. It should be noted that the room has both battery and generator backup, and that the temperature and humidity is controlled.

Server Access

Moving along to the inside of the data center, the racks the servers are stored in have neither sides and doors, nor tops and bottoms. The servers themselves have key lock front panels to hinder the removal of their covers and hard drives, however, the keys are hanging in the locks. Also, power to the machines could, accidentally, or without difficulty, be interrupted. Backup tapes are all kept on a single shelf in a cardboard box in the server room, no offsite backups are taken, nor is there any policy to do so. On a positive note, none of the servers are ever left with the console logged in, unless under the supervision of an administrator in the room.

Boot-up Security

None of the systems implement a BIOS password, nor do they have floppy boot-up disabled. The servers also allow boot-up via the CDROM drive. Worse yet, none of the servers implements a LILO prompt password, thus allowing anyone with physical access to replace init with the shell of their choice; including root privileges. (http://www.securityportal.com/cover/coverstory20000828.html[9]) The systems do, surprisingly, use sulogin to require the root password for entrance into single user mode. No encryption is being used on any of the servers to store sensitive data. It should be understood that anyone who can gain physical access, and possesses minor Unix proficiencies, could easily and quickly compromise, destroy, read, or copy all information contained on the servers.

Recommendations

During the next planned reboot of the servers, a LILO prompt password should be installed. At the same time, the floppy and CDROM boot-up should be disabled, and a BIOS password installed. The root, LILO, and BIOS passwords should all

be unique. It would be within acceptable limits to write these passwords on a sheet and store that sheet in a fire safe in the data center, restricting access to the fire safe to three people at most. The keys for the servers should be removed and put in a separate fire safe, possibly with the backup tapes. The investment in full lockable server cabinets with cabinet independent battery backups should be considered, to ensure uninterrupted power flow to the servers. It would also be advisable for management to explore the cost of encrypting any data that could cause sufficient embarrassment or financial loss, if compromised. The door hinge pins should be welded in place or special secure hinges installed. In an effort to provide defense in depth, no security measure should be discounted on the bases of another security measure. All security plans and actions should be taken in an effort to sever all possible avenues of attack on multiple levels.

Bibliography

1 RFC 1812 section 4.3.2.8: Recommendation to limit the rate of ICMP error messages
2 NMAP man page section sU: States that UDP scans can be laboriously slow
3 http://www.infowar.com/iwftp/infowar/vol0302.txt heading 10: A wonderful definition of defense in depth
4 http://www.sans.org/infosecFAQ/DSL.htm list 2 number 11: Confirms telnet transmissions are in the clear and confirms the security hazard this presents
5 http://www.ja.net/CERT/Belgers/UNIX-password-security.html section "Picking Good Passwords": Presents a concise definition of a good Unix password
6 http://www.apache.org/docs/mod/mod_auth.html#authuserfile section AuthUserFile: Clearly documents the danger where a .htpasswd file should not be placed
7 http://www.proftpd.net/security.html section "Securing PROFTPD": Clearly documents the advantages of using the AllowFilter directive
8 http://www.linuxsecurity.com/advisories/caldera_advisory-308.html section 1 sub-section I: Documents one of the many problems with the "r" programs
9 http://www.securityportal.com/cover/coverstory20000828.html : A simply guide to gaining root with physical access

Appendix A.

NMAP TCP Scan of All server IP's except LogServer01

```
# nmap (V. 2.54BETA7) scan initiated Sun Oct 29 16:59:43 2000 as: nmap
-sT -sR -O -I -v -oN /root/nmap1029.hr -oG /root/nmap1029.grep -iL
/root/ipaddrlist -p 1-65535
Interesting ports on NameServer01.fdlMy_Company.com (10.0.0.11):
(The 65511 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
4657/tcp   filtered    unknown
5808/tcp   filtered    unknown
14067/tcp  filtered    unknown
18473/tcp  filtered    unknown
21988/tcp  filtered    unknown
26477/tcp  filtered    unknown
29355/tcp  filtered    unknown
32695/tcp  filtered    unknown
36401/tcp  filtered    unknown
37242/tcp  filtered    unknown
37818/tcp  filtered    unknown
42680/tcp  filtered    unknown
42971/tcp  filtered    unknown
48579/tcp  filtered    unknown
54844/tcp  filtered    unknown
64353/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=3772347 (Good luck!)

Sequence numbers: 39C72293 3959877E 3A26F986 39EEB5AF 3980F3DD 3957AB3D
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ns1.My_Company.com (192.168.0.21):
(The 65510 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1066/tcp   filtered    unknown
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
```

```
4238/tcp   filtered    unknown
6355/tcp   filtered    unknown
8744/tcp   filtered    unknown
9994/tcp   filtered    unknown
10062/tcp  filtered    unknown
22628/tcp  filtered    unknown
28106/tcp  filtered    unknown
28967/tcp  filtered    unknown
31559/tcp  filtered    unknown
35689/tcp  filtered    unknown
42069/tcp  filtered    unknown
57060/tcp  filtered    unknown
61551/tcp  filtered    unknown
63708/tcp  filtered    unknown
64747/tcp  filtered    unknown
64886/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2313548 (Good luck!)

Sequence numbers: 3C501551 3BED67F6 3B79B251 3B8EF622 3B647F34 3B9ABCFE
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on  (172.16.192.101):
(The 65511 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1320/tcp   filtered    unknown
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2844/tcp   filtered    unknown
8045/tcp   filtered    unknown
11513/tcp  filtered    unknown
12462/tcp  filtered    unknown
12508/tcp  filtered    unknown
13039/tcp  filtered    unknown
29481/tcp  filtered    unknown
31833/tcp  filtered    unknown
32898/tcp  filtered    unknown
46628/tcp  filtered    unknown
47137/tcp  filtered    unknown
52437/tcp  filtered    unknown
56225/tcp  filtered    unknown
59556/tcp  filtered    unknown
60112/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=4085452 (Good luck!)

Sequence numbers: 3D811FFC 3E4B0D5A 3DC2C6EF 3E305133 3DDE82B8 3DEB013D
Remote operating system guess: Linux kernel 2.2.13
```

```
Interesting ports on ns1.fdlMy_Company.com (10.0.0.21):
(The 65511 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
3643/tcp   filtered    unknown
4848/tcp   filtered    unknown
5179/tcp   filtered    unknown
7860/tcp   filtered    unknown
8366/tcp   filtered    unknown
11429/tcp  filtered    unknown
13319/tcp  filtered    unknown
20615/tcp  filtered    unknown
20674/tcp  filtered    unknown
24357/tcp  filtered    unknown
27189/tcp  filtered    unknown
27257/tcp  filtered    unknown
38613/tcp  filtered    unknown
56481/tcp  filtered    unknown
64637/tcp  filtered    unknown
65481/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=1088585 (Good luck!)

Sequence numbers: 400F583E 3FEFA0BB 400837F7 404BF7E6 40173741 3FFB4570
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on smtp.someothernet.My_Company.com (10.0.0.38):
(The 65511 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
6330/tcp   filtered    unknown
6840/tcp   filtered    unknown
8270/tcp   filtered    unknown
14912/tcp  filtered    unknown
17321/tcp  filtered    unknown
18857/tcp  filtered    unknown
37278/tcp  filtered    unknown
39644/tcp  filtered    unknown
40828/tcp  filtered    unknown
42053/tcp  filtered    unknown
45047/tcp  filtered    unknown
45179/tcp  filtered    unknown
45928/tcp  filtered    unknown
```

```
49212/tcp  filtered    unknown
54529/tcp  filtered    unknown
60206/tcp  filtered    unknown
63408/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2072882 (Good luck!)

Sequence numbers: 41A074E8 41F95AD9 420338AC 41D00B14 41AD7824 41AD83B0
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ns1.consultant.net (192.168.0.10):
(The 65510 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
5697/tcp   filtered    unknown
6052/tcp   filtered    unknown
8206/tcp   filtered    unknown
10045/tcp  filtered    unknown
16644/tcp  filtered    unknown
30263/tcp  filtered    unknown
33069/tcp  filtered    unknown
40025/tcp  filtered    unknown
40667/tcp  filtered    unknown
46529/tcp  filtered    unknown
48690/tcp  filtered    unknown
51506/tcp  filtered    unknown
52662/tcp  filtered    unknown
53350/tcp  filtered    unknown
56446/tcp  filtered    unknown
60184/tcp  filtered    unknown
64822/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=3375685 (Good luck!)

Sequence numbers: 44BAB631 44A927F6 452128F2 452BA93B 456409A0 44DC6510
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ray.atw.earthreach.com (192.168.0.41):
(The 65511 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
13/tcp     open        daytime
22/tcp     open        ssh
53/tcp     open        domain
111/tcp    open        sunrpc (rpcbind V2)
744/tcp    open        flexlm (mountd V1-2)
762/tcp    open        quotad (rstatd V1-13)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
```

```
7240/tcp   filtered    unknown
11342/tcp  filtered    unknown
11606/tcp  filtered    unknown
12870/tcp  filtered    unknown
15222/tcp  filtered    unknown
31569/tcp  filtered    unknown
33618/tcp  filtered    unknown
37333/tcp  filtered    unknown
40196/tcp  filtered    unknown
42966/tcp  filtered    unknown
44449/tcp  filtered    unknown
49154/tcp  filtered    unknown
57119/tcp  filtered    unknown
58738/tcp  filtered    unknown
59738/tcp  filtered    unknown
61196/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=4275223 (Good luck!)

Sequence numbers: 46CD2528 4768C311 46A2B108 46D43B0E 47117A1F 46F0B598
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on OriginalServer.fdlMy_Company.com (10.0.0.15):
(The 65506 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
672/tcp    filtered    unknown
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
5257/tcp   filtered    unknown
9824/tcp   filtered    unknown
10715/tcp  filtered    unknown
25334/tcp  filtered    unknown
26352/tcp  filtered    unknown
28516/tcp  filtered    unknown
28902/tcp  filtered    unknown
31309/tcp  filtered    unknown
35904/tcp  filtered    unknown
35943/tcp  filtered    unknown
39905/tcp  filtered    unknown
46266/tcp  filtered    unknown
57048/tcp  filtered    unknown
61123/tcp  filtered    unknown
61789/tcp  filtered    unknown
62886/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
```

```
                    Difficulty=2631179 (Good luck!)

Sequence numbers: 49466A08 49107D7A 498D950F 498D80BB 49422964 497DE8E1
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ns2.My_Company.com (192.168.0.22):
(The 65507 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
12431/tcp  filtered    unknown
14380/tcp  filtered    unknown
15271/tcp  filtered    unknown
17319/tcp  filtered    unknown
17444/tcp  filtered    unknown
26898/tcp  filtered    unknown
28644/tcp  filtered    unknown
34383/tcp  filtered    unknown
37398/tcp  filtered    unknown
51276/tcp  filtered    unknown
52381/tcp  filtered    unknown
52789/tcp  filtered    unknown
56820/tcp  filtered    unknown
60985/tcp  filtered    unknown
63864/tcp  filtered    unknown
64473/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2699440 (Good luck!)

Sequence numbers: 4B8D4FD2 4BD24885 4B53C003 4B92EB71 4B19E407 4B28CFB1
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on fdl.fdlMy_Company.com (172.7.38.130):
(The 65506 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
491/tcp    filtered    go-login
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
```

```
2049/tcp   open        nfs (nfs V2)
2338/tcp   filtered    unknown
2525/tcp   open        unknown
8417/tcp   filtered    unknown
8459/tcp   filtered    unknown
16883/tcp  filtered    unknown
20690/tcp  filtered    unknown
21568/tcp  filtered    unknown
21600/tcp  filtered    unknown
22181/tcp  filtered    unknown
27178/tcp  filtered    unknown
33648/tcp  filtered    unknown
37782/tcp  filtered    unknown
41789/tcp  filtered    unknown
47775/tcp  filtered    unknown
55224/tcp  filtered    unknown
57916/tcp  filtered    unknown
64243/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=3048601 (Good luck!)

Sequence numbers: 4D96867F 4E39A714 4E071ADB 4DC51C77 4D60A693 4D7F27A8
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on  (172.16.192.100):
(The 65506 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
745/tcp    open         (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
4418/tcp   filtered    unknown
14758/tcp  filtered    unknown
21398/tcp  filtered    unknown
23285/tcp  filtered    unknown
24126/tcp  filtered    unknown
26146/tcp  filtered    unknown
26993/tcp  filtered    unknown
30977/tcp  filtered    unknown
31880/tcp  filtered    unknown
32916/tcp  filtered    unknown
43525/tcp  filtered    unknown
51950/tcp  filtered    unknown
52727/tcp  filtered    unknown
54566/tcp  filtered    unknown
58274/tcp  filtered    unknown
60187/tcp  filtered    unknown
65062/tcp  filtered    unknown
```

```
TCP Sequence Prediction: Class=random positive increments
                         Difficulty=3392832 (Good luck!)

Sequence numbers: 504DCDFC 4FFAF71F 4FFC728E 4FD81C9B 502661CD 4F8AAF5D
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ns2.fdlMy_Company.com (10.0.0.22):
(The 65507 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
570/tcp    filtered    meter
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
2546/tcp   filtered    unknown
8973/tcp   filtered    unknown
11717/tcp  filtered    unknown
19367/tcp  filtered    unknown
19607/tcp  filtered    unknown
26625/tcp  filtered    unknown
34968/tcp  filtered    unknown
35961/tcp  filtered    unknown
38258/tcp  filtered    unknown
46327/tcp  filtered    unknown
52130/tcp  filtered    unknown
52649/tcp  filtered    unknown
54262/tcp  filtered    unknown
62223/tcp  filtered    unknown
63625/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=972755 (Good luck!)

Sequence numbers: 5355F25F 5350CA55 532834C7 52CFF381 52EB0ED9 52F5CEB3
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on virtual.fdlMy_Company.com (10.0.0.24):
(The 65507 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
709/tcp    filtered    entrustmanager
```

```
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
6285/tcp   filtered    unknown
7526/tcp   filtered    unknown
7564/tcp   filtered    unknown
13606/tcp  filtered    unknown
17277/tcp  filtered    unknown
29373/tcp  filtered    unknown
29493/tcp  filtered    unknown
31389/tcp  filtered    unknown
43735/tcp  filtered    unknown
45497/tcp  filtered    unknown
45774/tcp  filtered    unknown
51384/tcp  filtered    unknown
54845/tcp  filtered    unknown
55625/tcp  filtered    unknown
62979/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=4514296 (Good luck!)

Sequence numbers: 54F5DC27 54EA7327 558C1E63 55966974 5509F80C 5515A1B7
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ftp.martin-design.net (10.0.0.32):
(The 65507 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
745/tcp    open        (mountd V1-2)
1265/tcp   filtered    unknown
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
3352/tcp   filtered    unknown
4015/tcp   filtered    unknown
12299/tcp  filtered    unknown
14002/tcp  filtered    unknown
14855/tcp  filtered    unknown
14968/tcp  filtered    unknown
20293/tcp  filtered    unknown
21242/tcp  filtered    unknown
27060/tcp  filtered    unknown
30462/tcp  filtered    unknown
39760/tcp  filtered    unknown
41037/tcp  filtered    unknown
56968/tcp  filtered    unknown
60873/tcp  filtered    unknown
63983/tcp  filtered    unknown
```

```
TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2554166 (Good luck!)

Sequence numbers: 57BFC30F 57CBC18C 5772B8F5 577E2A19 57E904C4 57B3346A
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on peter.atw.earthreach.com (192.168.0.42):
(The 65509 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
443/tcp    filtered    https
745/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
3853/tcp   filtered    unknown
10779/tcp  filtered    unknown
16606/tcp  filtered    unknown
19160/tcp  filtered    unknown
28689/tcp  filtered    unknown
30052/tcp  filtered    unknown
42511/tcp  filtered    unknown
44171/tcp  filtered    unknown
49241/tcp  filtered    unknown
50361/tcp  filtered    unknown
51960/tcp  filtered    unknown
54606/tcp  filtered    unknown
62970/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=1355428 (Good luck!)

Sequence numbers: 59A47829 59A51EAC 59BB78CB 59A560A2 59E5C8CA 5A017E3C
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on mars.someothernet.net (10.0.0.40):
(The 65506 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
745/tcp    open        (mountd V1-2)
754/tcp    filtered    krb_prop
1720/tcp   filtered    unknown
```

```
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
2529/tcp   filtered    unknown
10071/tcp  filtered    unknown
20375/tcp  filtered    unknown
20671/tcp  filtered    unknown
22134/tcp  filtered    unknown
30327/tcp  filtered    unknown
30823/tcp  filtered    unknown
33867/tcp  filtered    unknown
34813/tcp  filtered    unknown
39974/tcp  filtered    unknown
40655/tcp  filtered    unknown
45045/tcp  filtered    unknown
55733/tcp  filtered    unknown
57926/tcp  filtered    unknown
61224/tcp  filtered    unknown
64521/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2291979 (Good luck!)

Sequence numbers: 5C0561D9 5C3B6AF9 5BF97EEA 5B7B4FB0 5B8CEE50 5BCB6BD3
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ns2.consultant.net (192.168.0.9):
(The 65506 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
745/tcp    open        (mountd V1-2)
1592/tcp   filtered    unknown
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
4147/tcp   filtered    unknown
4746/tcp   filtered    unknown
10497/tcp  filtered    unknown
10545/tcp  filtered    unknown
18185/tcp  filtered    unknown
22549/tcp  filtered    unknown
24134/tcp  filtered    unknown
27049/tcp  filtered    unknown
34911/tcp  filtered    unknown
38191/tcp  filtered    unknown
39296/tcp  filtered    unknown
48628/tcp  filtered    unknown
51218/tcp  filtered    unknown
60043/tcp  filtered    unknown
61914/tcp  filtered    unknown
63693/tcp  filtered    unknown
```

```
TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2429957 (Good luck!)

Sequence numbers: 5E109785 5E607A38 5E51F81D 5DEE9360 5D70D542 5DB4A80B
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on NewWebServer.My_Company.com (192.168.0.43):
(The 65509 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
144/tcp    filtered    news
443/tcp    open        https
1720/tcp   filtered    unknown
3306/tcp   open        mysql
7076/tcp   filtered    unknown
7852/tcp   filtered    unknown
16336/tcp  filtered    unknown
23199/tcp  filtered    unknown
29079/tcp  filtered    unknown
31794/tcp  filtered    unknown
32593/tcp  filtered    unknown
33914/tcp  filtered    unknown
42606/tcp  filtered    unknown
45899/tcp  filtered    unknown
46849/tcp  filtered    unknown
46924/tcp  filtered    unknown
57574/tcp  filtered    unknown
62944/tcp  filtered    unknown
63691/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=4610397 (Good luck!)

Sequence numbers: 5FCA9D9C 6045BEB7 60965241 605C6DDF 6095D46B 5FA0AE95
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ftp.adci.com (192.168.0.44):
(The 65508 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
443/tcp    open        https
1720/tcp   filtered    unknown
2032/tcp   filtered    blackboard
3306/tcp   open        mysql
```

```
3457/tcp   filtered    vat-control
3657/tcp   filtered    unknown
4819/tcp   filtered    unknown
10205/tcp  filtered    unknown
29036/tcp  filtered    unknown
33704/tcp  filtered    unknown
34971/tcp  filtered    unknown
42440/tcp  filtered    unknown
43824/tcp  filtered    unknown
47215/tcp  filtered    unknown
47941/tcp  filtered    unknown
54238/tcp  filtered    unknown
57671/tcp  filtered    unknown
59692/tcp  filtered    unknown
63190/tcp  filtered    unknown
64371/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2722859 (Good luck!)

Sequence numbers: 61D5686E 626B0FB2 624D7EAF 62AE64FD 6252C828 622074F8
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on ftp.somemapcom.com (192.168.0.50):
(The 65510 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
443/tcp    open        https
1720/tcp   filtered    unknown
3306/tcp   open        mysql
3569/tcp   filtered    unknown
8114/tcp   filtered    unknown
8189/tcp   filtered    unknown
8856/tcp   filtered    unknown
27141/tcp  filtered    unknown
30067/tcp  filtered    unknown
31354/tcp  filtered    unknown
32016/tcp  filtered    unknown
40250/tcp  filtered    unknown
40855/tcp  filtered    unknown
41756/tcp  filtered    unknown
45338/tcp  filtered    unknown
50739/tcp  filtered    unknown
53833/tcp  filtered    unknown
60125/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=4625970 (Good luck!)

Sequence numbers: 64628DA3 64EBC1F9 6410650F 6472AA14 64368858 642B030E
Remote operating system guess: Linux kernel 2.2.13
```

```
Interesting ports on ftp.anothercustomer.com (192.168.0.52):
(The 65509 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
21/tcp     open        ftp
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
40/tcp     filtered    unknown
53/tcp     open        domain
80/tcp     open        http
110/tcp    open        pop-3
443/tcp    open        https
1720/tcp   filtered    unknown
3306/tcp   open        mysql
4193/tcp   filtered    unknown
4340/tcp   filtered    unknown
5651/tcp   filtered    unknown
18151/tcp  filtered    unknown
18360/tcp  filtered    unknown
31726/tcp  filtered    unknown
32134/tcp  filtered    unknown
32834/tcp  filtered    unknown
36751/tcp  filtered    unknown
39880/tcp  filtered    unknown
40480/tcp  filtered    unknown
46687/tcp  filtered    unknown
53918/tcp  filtered    unknown
56620/tcp  filtered    unknown
56969/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=1482270 (Good luck!)

Sequence numbers: 6630D3D9 6651B053 66AA3E03 66CAB184 6703EDDF 66E6D2A2
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on MailServer01.My_Company.com (192.168.0.12):
(The 65509 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)          Owner
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
733/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
2970/tcp   filtered    unknown
3467/tcp   filtered    unknown
4065/tcp   filtered    unknown
5804/tcp   filtered    unknown
6056/tcp   filtered    unknown
8085/tcp   filtered    unknown
17180/tcp  filtered    unknown
```

```
17887/tcp  filtered    unknown
25587/tcp  filtered    unknown
29912/tcp  filtered    unknown
38200/tcp  filtered    unknown
43306/tcp  filtered    unknown
46567/tcp  filtered    unknown
55134/tcp  filtered    unknown
57081/tcp  filtered    unknown
58182/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=2229463 (Good luck!)

Sequence numbers: 69ECFAF2 697EC258 69B5B5FC 69D80D93 695CE9B3 699A27C7
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on MailServer01.fdlMy_Company.com (10.0.0.12):
(The 65508 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner
22/tcp     open        ssh
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
733/tcp    open        (mountd V1-2)
1621/tcp   filtered    unknown
1720/tcp   filtered    unknown
1732/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
15126/tcp  filtered    unknown
18801/tcp  filtered    unknown
22893/tcp  filtered    unknown
31019/tcp  filtered    unknown
32897/tcp  filtered    unknown
36406/tcp  filtered    unknown
39558/tcp  filtered    unknown
39682/tcp  filtered    unknown
49224/tcp  filtered    unknown
49270/tcp  filtered    unknown
54428/tcp  filtered    unknown
55864/tcp  filtered    unknown
63149/tcp  filtered    unknown
63770/tcp  filtered    unknown
64832/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=3510694 (Good luck!)

Sequence numbers: 6C1DBCAB 6C041C15 6B77D6F2 6B66238D 6BCCE475 6BC8CA33
Remote operating system guess: Linux kernel 2.2.13

Interesting ports on  (192.168.0.23):
(The 65508 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)           Owner2
22/tcp     open        ssh
```

```
23/tcp     open        telnet
25/tcp     open        smtp
53/tcp     open        domain
110/tcp    open        pop-3
111/tcp    open        sunrpc (rpcbind V2)
733/tcp    open        (mountd V1-2)
1720/tcp   filtered    unknown
2049/tcp   open        nfs (nfs V2)
2525/tcp   open        unknown
2996/tcp   filtered    unknown
9563/tcp   filtered    unknown
18327/tcp  filtered    unknown
20175/tcp  filtered    unknown
22840/tcp  filtered    unknown
25538/tcp  filtered    unknown
27798/tcp  filtered    unknown
40499/tcp  filtered    unknown
44660/tcp  filtered    unknown
46263/tcp  filtered    unknown
46689/tcp  filtered    unknown
47457/tcp  filtered    unknown
47564/tcp  filtered    unknown
49896/tcp  filtered    unknown
50912/tcp  filtered    unknown
54030/tcp  filtered    unknown
62331/tcp  filtered    unknown

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=1279073 (Good luck!)

Sequence numbers: 6DA97F8D 6D7021D7 6D913FAB 6D813118 6DC3AB1E 6DAC8790
Remote operating system guess: Linux kernel 2.2.13
```

NMAP TCP Scan of LogServer01

```
# nmap (V. 2.54BETA7) scan initiated Tue Oct 31 08:03:48 2000 as: nmap
-sT -O -sR -v -oN /root/nmap.1030.hr -oG nmap1030.grep -p 1-65535
10.0.0.14
Interesting ports on LogServer01.fdlMy_Company.com (10.0.0.14):
(The 65532 ports scanned but not shown below are in state: filtered)
Port       State       Service (RPC)
80/tcp     open        http
123/tcp    closed      ntp
443/tcp    open        https

TCP Sequence Prediction: Class=random positive increments
                         Difficulty=1697333 (Good luck!)

Sequence numbers: 41102D99 40CE2DC9 4108F170 4125CB1D 411FE30E 40D3F73B
Remote OS guesses: Linux 2.1.122 - 2.2.16, Linux kernel 2.2.13, Linux
2.2.14

# Nmap run completed at Tue Oct 31 09:42:28 2000 -- 1 IP address (1
host up) scanned in 5920 seconds
```

NMAP UDP Scan of LogServer01

```
# nmap (V. 2.54BETA7) scan initiated Tue Oct 31 09:47:26 2000 as: nmap
-sU -O -sR -v -oN /root/nmapU1030.hr -oG nmapU1030.grep -p 1-25000
10.0.0.14
Warning:  OS detection will be MUCH less reliable because we did not
find at least 1 open and 1 closed TCP port
Interesting ports on LogServer01.fdlMy_Company.com (10.0.0.14):
(The 24994 ports scanned but not shown below are in state: closed)
Port       State       Service (RPC)
111/udp    open        sunrpc
123/udp    open        ntp
138/udp    open        netbios-dgm
514/udp    open        syslog
748/udp    open        ris-cm
800/udp    open        mdbs_daemon

Remote OS guesses: 3com Office Connect Router 810, Cobalt Linux 4.0
(Fargo) Kernel 2.0.34C52_SK on MIPS or TEAMInternet Series 100
WebSense, Linux 2.2.5 - 2.2.13 SMP, Linux kernel 2.2.13

# Nmap run completed at Tue Oct 31 16:53:31 2000 -- 1 IP address (1
host up) scanned in 25565 seconds
```

NESSUS Scan of All Servers except LogServer01

```
Nessus Scan Report
------------------



SUMMARY

 - Number of hosts which were alive during the test : 4
 - Number of security holes found : 6
 - Number of security warnings found : 30
 - Number of security notes found : 28



TESTED HOSTS

 10.0.0.15 (Security holes found)
 192.168.0.43 (Security holes found)
 10.0.0.11 (Security holes found)
 10.0.0.12 (Security holes found)



DETAILS

+ 10.0.0.15 :
 . List of open ports :
   o ftp (21/tcp) (Security hole found)
   o ssh (22/tcp) (Security warnings found)
   o telnet (23/tcp) (Security warnings found)
```

```
  o smtp (25/tcp) (Security warnings found)
  o domain (53/tcp) (Security hole found)
  o www (80/tcp) (Security warnings found)
  o pop3 (110/tcp) (Security notes found)
  o sunrpc (111/tcp)
  o general/tcp (Security warnings found)
  o general/udp (Security notes found)
  o unknown (2049/tcp) (Security warnings found)
  o unknown (2049/udp) (Security warnings found)
  o general/icmp (Security warnings found)

. Vulnerability found on port ftp (21/tcp) :


   The remote ProFTPd server is running a 1.2.0preN
   version.

   All the 1.2.0preN versions contain several security
   flaws that allow an attacker to execute arbitrary code
   on this host.

   Solution : upgrade to the 1.2.0rcN series (http://www.proftpd.net)
   Risk factor : High
   CVE : CVE-2000-0574

. Information found on port ftp (21/tcp)


   Remote FTP server banner :
    proftpd 1.2.0pre3 server ready.

. Warning found on port ssh (22/tcp)



   You are running a version of SSH which is
   older than (or as old as) version 1.2.27.
   If this version was compiled against the
   RSAREF library, then it is very likely to
   be vulnerable to a buffer overflow which
   may be exploited by a cracker to gain
   root on your system.

   To determine if you compiled ssh against
   the RSAREF library, type 'ssh -V' on the
   remote host.

   Risk factor : High
   Solution : Use ssh 2.x, or do not compile ssh
   against the RSAREF library
   CVE : CVE-1999-0834

. Warning found on port ssh (22/tcp)
```

```
   You are running a version of SSH which is
   older than (or as old as) version 1.2.27.

   If you compiled ssh with kerberos support,
   then an attacker may eavesdrop your users
   kerberos tickets, as sshd will set
   the environment variable KRB5CCNAME to
   'none', so kerberos tickets will be stored
   in the current working directory of the
   user, as 'none'.

   If you have nfs/smb shared disks, then an attacker
   may eavesdrop the kerberos tickets of your
   users using this flaw.

   ** If you are not using kerberos, then
   ignore this warning.

   Risk factor : Serious
   Solution : use ssh 1.2.28 or newer
   CVE : CAN-2000-0575

. Information found on port ssh (22/tcp)


   Remote SSH version :
    ssh-1.5-1.2.25


. Warning found on port telnet (23/tcp)


   The Telnet service is running.
   This service is dangerous in the sense that
   it is not ciphered - that is, everyone can sniff
   the data that passes between the telnet client
   and the telnet server. This includes logins
   and passwords.

   You should disable this service and use OpenSSH instead.
   (www.openssh.com)

   Solution : Comment out the 'telnet' line in /etc/inetd.conf.

   Risk factor : Low
   CVE : CAN-1999-0619

. Information found on port telnet (23/tcp)


   Remote telnet banner :
   Welcome to:


. Warning found on port smtp (25/tcp)
```

```
    The remote SMTP server allows the relaying. This means that
    it allows spammers to use your mail server to send their mails to
    the world, thus wasting your network bandwidth.

    Risk factor : Low/Medium

    Solution : configure your SMTP server so that it can't be used as a
relay
               any more.
    CVE : CAN-1999-0512

 . Information found on port smtp (25/tcp)


    Remote SMTP server banner :
    MailServer01.My_Company.com ESMTP Eunice Internet Mail 1.01: Mon,
30 Oct 2000
     18:50:02 -0600
    214-This is Sendmail version 8.9.3214-Topics:

    214-    HELO  EHLO  MAIL  RCPT  DATA

    214-    RSET  NOOP  QUIT  HELP  VRFY

    214-    EXPN  VERB  ETRN  DSN

    214-For more info use "HELP <topic>".

    214-To report bugs in the implementation send email to

    214-    sendmail-bugs@sendmail.org.

    214-For local information send email to Postmaster at your site.

    214 End of HELP info



 . Vulnerability found on port domain (53/tcp) :



    The remote BIND server, according to its
    version number, is vulnerable to several
    attacks that can allow an attacker to gain
    root on this system.

    Solution : upgrade to bind 8.2.2-P3
    Risk factor : High
    CVE : CVE-1999-0833

 . Warning found on port domain (53/tcp)



    The remote name server allows recursive queries to be performed
```

by the host running nessusd.

If this is your internal nameserver, then forget this warning.

If you are probing a remote nameserver, then it allows anyone
to use it to resolve third parties names (such as www.nessus.org).
This allows hackers to do cache poisoning attacks against this
nameserver.

Solution : Restrict recursive queries to the hosts that should
use this nameserver (such as those of the LAN connected to it).
If you are using bind 8, you can do this by using the instruction
'allow-recursive' in the 'options' section of your named.conf

If you are using another name server, consult its documentation.

Risk factor :
 Serious

. Information found on port domain (53/tcp)

The remote bind version is :
 8.1.2

. Warning found on port www (80/tcp)

The 'finger' cgi is installed. It is usually
not a good idea to have such a service installed, since
it usually gives more troubles than anything else.

Double check that you really want to have this
service installed.

Solution : remove it from /cgi-bin.

Risk factor : Serious
CVE : CAN-1999-0197

. Information found on port www (80/tcp)

The remote web server type is :
Apache/1.3.11 (Unix)

We recommend that you configure your web server to return
bogus versions, so that it makes the cracker job more difficult

. Information found on port pop3 (110/tcp)

The remote POP server banner is :

```
   +OK POP3 Goes the Weasel 2.0b4 at OriginalServer.My_Company.com
starting.

 . Warning found on port general/tcp


   The remote host uses non-random IP IDs, that is, it is
   possible to predict the next value of the ip_id field of
   the ip packets sent by this host.

   An attacker may use this feature to determine if the remote
   host sent a packet in reply to another request. This may be
   used for portscanning and other things.

   Solution : Contact your vendor for a patch
   Risk factor :
    Low


 . Information found on port general/tcp


   Nmap found that this host is running Linux kernel 2.2.13

 . Information found on port general/udp


   For your information, here is the traceroute to 10.0.0.15 :
   192.168.0.1
   10.0.0.15

 . Warning found on port unknown (2049/tcp)


   Here is the export list of 10.0.0.15 :
   /home MailServer01.fdlMy_Company.com,

   CVE : CVE-1999-0554

 . Warning found on port unknown (2049/udp)



   The nfsd RPC service is running.
   There is a bug in older versions of
   this service that allow an intruder to
   execute arbitrary commands on your system.

   Make sure that you have the latest version
   of nfsd

   Risk factor : High
   CVE : CAN-1999-0832

 . Warning found on port general/icmp
```

```
    The remote host answers to an ICMP timestamp
    request. This allows an attacker to know the
    date which is set on your machine.

    This may help him to defeat all your
    time based authentifications protocols.

    Solution : filter out the icmp timestamp
    requests (13), and the outgoing icmp
    timestamp replies (14).

    Risk factor : Low
    CVE : CAN-1999-0524

+ 192.168.0.43 :
 . List of open ports :
   o ftp (21/tcp) (Security hole found)
   o ssh (22/tcp) (Security warnings found)
   o telnet (23/tcp) (Security notes found)
   o smtp (25/tcp) (Security notes found)
   o domain (53/tcp) (Security hole found)
   o www (80/tcp) (Security notes found)
   o pop3 (110/tcp) (Security notes found)
   o unknown (443/tcp)
   o general/tcp (Security notes found)
   o general/udp (Security notes found)
   o general/icmp (Security warnings found)
   o daytime (13/udp) (Security warnings found)

 . Vulnerability found on port ftp (21/tcp) :


    The remote ProFTPd server is running a 1.2.0preN
    version.

    All the 1.2.0preN versions contain several security
    flaws that allow an attacker to execute arbitrary code
    on this host.

    Solution : upgrade to the 1.2.0rcN series (http://www.proftpd.net)
    Risk factor : High
    CVE : CVE-2000-0574

 . Information found on port ftp (21/tcp)


    Remote FTP server banner :
     proftpd 1.2.0pre10 server ready.

 . Warning found on port ssh (22/tcp)


    You are running a version of SSH which is
```

```
   older than (or as old as) version 1.2.27.
   If this version was compiled against the
   RSAREF library, then it is very likely to
   be vulnerable to a buffer overflow which
   may be exploited by a cracker to gain
   root on your system.

   To determine if you compiled ssh against
   the RSAREF library, type 'ssh -V' on the
   remote host.

   Risk factor : High
   Solution : Use ssh 2.x, or do not compile ssh
   against the RSAREF library
   CVE : CVE-1999-0834

. Warning found on port ssh (22/tcp)



   You are running a version of SSH which is
   older than (or as old as) version 1.2.27.

   If you compiled ssh with kerberos support,
   then an attacker may eavesdrop your users
   kerberos tickets, as sshd will set
   the environment variable KRB5CCNAME to
   'none', so kerberos tickets will be stored
   in the current working directory of the
   user, as 'none'.

   If you have nfs/smb shared disks, then an attacker
   may eavesdrop the kerberos tickets of your
   users using this flaw.

   ** If you are not using kerberos, then
   ignore this warning.

   Risk factor : Serious
   Solution : use ssh 1.2.28 or newer
   CVE : CAN-2000-0575

. Information found on port ssh (22/tcp)


   Remote SSH version :
    ssh-1.5-1.2.27


. Information found on port telnet (23/tcp)


   Remote telnet banner :
   ÿü'


. Information found on port smtp (25/tcp)
```

```
    Remote SMTP server banner :
    NewWebServer.My_Company.com ESMTP Eunice Internet Mail 1.01: Mon,
30 Oct 2000 18:49:21
     -0600
    214-This is Sendmail version 8.9.3214-Topics:

    214-    HELO  EHLO  MAIL  RCPT  DATA

    214-    RSET  NOOP  QUIT  HELP  VRFY

    214-    EXPN  VERB  ETRN  DSN

    214-For more info use "HELP <topic>".

    214-To report bugs in the implementation send email to

    214-    sendmail-bugs@sendmail.org.

    214-For local information send email to Postmaster at your site.

    214 End of HELP info



. Vulnerability found on port domain (53/tcp) :



    The remote BIND server, according to its
    version number, is vulnerable to several
    attacks that can allow an attacker to gain
    root on this system.

    Solution : upgrade to bind 8.2.2-P3
    Risk factor : High
    CVE : CVE-1999-0833

. Warning found on port domain (53/tcp)



    The remote name server allows recursive queries to be performed
    by the host running nessusd.

    If this is your internal nameserver, then forget this warning.

    If you are probing a remote nameserver, then it allows anyone
    to use it to resolve third parties names (such as www.nessus.org).
    This allows hackers to do cache poisoning attacks against this
    nameserver.


    Solution : Restrict recursive queries to the hosts that should
    use this nameserver (such as those of the LAN connected to it).
```

```
    If you are using bind 8, you can do this by using the instruction
    'allow-recursive' in the 'options' section of your named.conf

    If you are using another name server, consult its documentation.

    Risk factor :
     Serious


. Information found on port domain (53/tcp)


    The remote bind version is :
     8.2.1


. Information found on port www (80/tcp)


    The remote web server type is :
    Apache/1.3.11 (Unix) mod_perl/1.21


    We recommend that you configure your web server to return
    bogus versions, so that it makes the cracker job more difficult

. Information found on port pop3 (110/tcp)


    The remote POP server banner is :
    +OK POP3 Goes the Weasel 2.0b4 at OriginalServer.My_Company.com
starting.

. Information found on port general/tcp


    Nmap found that this host is running Linux kernel 2.2.13

. Information found on port general/udp


    For your information, here is the traceroute to 192.168.0.43 :
    192.168.0.1
    192.168.0.43

. Warning found on port general/icmp



    The remote host answers to an ICMP timestamp
    request. This allows an attacker to know the
    date which is set on your machine.

    This may help him to defeat all your
    time based authentifications protocols.

    Solution : filter out the icmp timestamp
```

```
    requests (13), and the outgoing icmp
    timestamp replies (14).

    Risk factor : Low
    CVE : CAN-1999-0524

  . Warning found on port daytime (13/udp)


    The daytime service is running.
    The date format issued by this service
    may sometimes help an attacker to guess
    the operating system type.

    In addition to that, when the UDP version of
    daytime is running, an attacker may link it
    to the echo port using spoofing, thus creating
    a possible denial of service.

    Solution : disable this service in /etc/inetd.conf.

    Risk factor : Low
    CVE : CVE-1999-0103

+ 10.0.0.11 :
  . List of open ports :
    o daytime (13/tcp) (Security warnings found)
    o ssh (22/tcp) (Security warnings found)
    o domain (53/tcp) (Security hole found)
    o sunrpc (111/tcp)
    o general/tcp (Security notes found)
    o general/udp (Security notes found)
    o unknown (2049/tcp) (Security warnings found)
    o unknown (757/udp) (Security warnings found)
    o unknown (2049/udp) (Security warnings found)
    o general/icmp (Security warnings found)
    o daytime (13/udp) (Security warnings found)

  . Warning found on port daytime (13/tcp)


    The daytime service is running.
    The date format issued by this service
    may sometimes help an attacker to guess
    the operating system type.

    In addition to that, when the UDP version of
    daytime is running, an attacker may link it
    to the echo port using spoofing, thus creating
    a possible denial of service.

    Solution : disable this service in /etc/inetd.conf.

    Risk factor : Low
    CVE : CVE-1999-0103

  . Warning found on port ssh (22/tcp)
```

```
   You are running a version of SSH which is
   older than (or as old as) version 1.2.27.
   If this version was compiled against the
   RSAREF library, then it is very likely to
   be vulnerable to a buffer overflow which
   may be exploited by a cracker to gain
   root on your system.

   To determine if you compiled ssh against
   the RSAREF library, type 'ssh -V' on the
   remote host.

   Risk factor : High
   Solution : Use ssh 2.x, or do not compile ssh
   against the RSAREF library
   CVE : CVE-1999-0834

. Warning found on port ssh (22/tcp)


   You are running a version of SSH which is
   older than (or as old as) version 1.2.27.

   If you compiled ssh with kerberos support,
   then an attacker may eavesdrop your users
   kerberos tickets, as sshd will set
   the environment variable KRB5CCNAME to
   'none', so kerberos tickets will be stored
   in the current working directory of the
   user, as 'none'.

   If you have nfs/smb shared disks, then an attacker
   may eavesdrop the kerberos tickets of your
   users using this flaw.

   ** If you are not using kerberos, then
   ignore this warning.

   Risk factor : Serious
   Solution : use ssh 1.2.28 or newer
   CVE : CAN-2000-0575

. Information found on port ssh (22/tcp)


   Remote SSH version :
    ssh-1.5-1.2.25


. Vulnerability found on port domain (53/tcp) :
```

```
   The remote BIND server, according to its
   version number, is vulnerable to several
   attacks that can allow an attacker to gain
   root on this system.

   Solution : upgrade to bind 8.2.2-P3
   Risk factor : High
   CVE : CVE-1999-0833

. Warning found on port domain (53/tcp)


   The remote name server allows recursive queries to be performed
   by the host running nessusd.

   If this is your internal nameserver, then forget this warning.

   If you are probing a remote nameserver, then it allows anyone
   to use it to resolve third parties names (such as www.nessus.org).
   This allows hackers to do cache poisoning attacks against this
   nameserver.


   Solution : Restrict recursive queries to the hosts that should
   use this nameserver (such as those of the LAN connected to it).
   If you are using bind 8, you can do this by using the instruction
   'allow-recursive' in the 'options' section of your named.conf

   If you are using another name server, consult its documentation.

   Risk factor :
    Serious


. Information found on port domain (53/tcp)


   The remote bind version is :
    8.1.2


. Information found on port general/tcp


   Nmap found that this host is running Linux kernel 2.2.13

. Information found on port general/udp


   For your information, here is the traceroute to 10.0.0.11 :
   192.168.0.1
   10.0.0.11

. Warning found on port unknown (2049/tcp)
```

```
   Here is the export list of 10.0.0.11 :
   /var/log/radacct LogServer01.fdlMy_Company.com,

   CVE : CVE-1999-0554

. Warning found on port unknown (757/udp)



   The rstatd RPC service is running.
   It provides an attacker interesting
   informations such as :

     - the CPU usage
     - the system uptime
     - its network usage
     - and more

   It usually not a good idea to let this
   service open


   Risk factor : Low
   CVE : CAN-1999-0624

. Warning found on port unknown (2049/udp)



   The nfsd RPC service is running.
   There is a bug in older versions of
   this service that allow an intruder to
   execute arbitrary commands on your system.

   Make sure that you have the latest version
   of nfsd

   Risk factor : High
   CVE : CAN-1999-0832

. Warning found on port general/icmp



   The remote host answers to an ICMP timestamp
   request. This allows an attacker to know the
   date which is set on your machine.

   This may help him to defeat all your
   time based authentifications protocols.

   Solution : filter out the icmp timestamp
   requests (13), and the outgoing icmp
   timestamp replies (14).

   Risk factor : Low
   CVE : CAN-1999-0524
```

```
  . Warning found on port daytime (13/udp)


     The daytime service is running.
     The date format issued by this service
     may sometimes help an attacker to guess
     the operating system type.

     In addition to that, when the UDP version of
     daytime is running, an attacker may link it
     to the echo port using spoofing, thus creating
     a possible denial of service.

     Solution : disable this service in /etc/inetd.conf.

     Risk factor : Low
     CVE : CVE-1999-0103

+ 10.0.0.12 :
  . List of open ports :
    o ssh (22/tcp) (Security warnings found)
    o telnet (23/tcp) (Security notes found)
    o smtp (25/tcp) (Security warnings found)
    o domain (53/tcp) (Security hole found)
    o pop3 (110/tcp)
    o sunrpc (111/tcp)
    o general/tcp (Security notes found)
    o general/udp (Security notes found)
    o unknown (2049/tcp) (Security warnings found)
    o unknown (2049/udp) (Security warnings found)
    o general/icmp (Security warnings found)

  . Warning found on port ssh (22/tcp)



     You are running a version of SSH which is
     older than (or as old as) version 1.2.27.
     If this version was compiled against the
     RSAREF library, then it is very likely to
     be vulnerable to a buffer overflow which
     may be exploited by a cracker to gain
     root on your system.

     To determine if you compiled ssh against
     the RSAREF library, type 'ssh -V' on the
     remote host.

     Risk factor : High
     Solution : Use ssh 2.x, or do not compile ssh
     against the RSAREF library
     CVE : CVE-1999-0834

  . Warning found on port ssh (22/tcp)
```

```
    You are running a version of SSH which is
    older than (or as old as) version 1.2.27.

    If you compiled ssh with kerberos support,
    then an attacker may eavesdrop your users
    kerberos tickets, as sshd will set
    the environment variable KRB5CCNAME to
    'none', so kerberos tickets will be stored
    in the current working directory of the
    user, as 'none'.

    If you have nfs/smb shared disks, then an attacker
    may eavesdrop the kerberos tickets of your
    users using this flaw.

    ** If you are not using kerberos, then
    ignore this warning.

    Risk factor : Serious
    Solution : use ssh 1.2.28 or newer
    CVE : CAN-2000-0575

 . Information found on port ssh (22/tcp)


    Remote SSH version :
     ssh-1.5-1.2.27


 . Information found on port telnet (23/tcp)


    Remote telnet banner :
    ÿ)!


 . Warning found on port smtp (25/tcp)


    The remote SMTP server allows the relaying. This means that
    it allows spammers to use your mail server to send their mails to
    the world, thus wasting your network bandwidth.

    Risk factor : Low/Medium

    Solution : configure your SMTP server so that it can't be used as a
relay
               any more.
    CVE : CAN-1999-0512

 . Information found on port smtp (25/tcp)


    Remote SMTP server banner :
    MailServer01.My_Company.com ESMTP Eunice Internet Mail 1.01: Mon,
30 Oct 2000
```

```
 18:48:14 -0600
214-This is Sendmail version 8.9.3214-Topics:

214-    HELO  EHLO  MAIL  RCPT  DATA

214-    RSET  NOOP  QUIT  HELP  VRFY

214-    EXPN  VERB  ETRN  DSN

214-For more info use "HELP <topic>".

214-To report bugs in the implementation send email to

214-    sendmail-bugs@sendmail.org.

214-For local information send email to Postmaster at your site.

214 End of HELP info
```

. Vulnerability found on port domain (53/tcp) :

```
The remote BIND server, according to its
version number, is vulnerable to several
attacks that can allow an attacker to gain
root on this system.

Solution : upgrade to bind 8.2.2-P3
Risk factor : High
CVE : CVE-1999-0833
```

. Information found on port domain (53/tcp)

```
The remote bind version is :
 8.2.1
```

. Information found on port general/tcp

```
Nmap found that this host is running Linux kernel 2.2.13
```

. Information found on port general/udp

```
For your information, here is the traceroute to 10.0.0.12 :
192.168.0.1
10.0.0.12
```

. Warning found on port unknown (2049/tcp)

```
   Here is the export list of 10.0.0.12 :
   /var/spool/mail ns2.My_Company.com,
   /var/spool/mail OriginalServer.fdlMy_Company.com,

   CVE : CVE-1999-0554

. Warning found on port unknown (2049/udp)


   The nfsd RPC service is running.
   There is a bug in older versions of
   this service that allow an intruder to
   execute arbitrary commands on your system.

   Make sure that you have the latest version
   of nfsd

   Risk factor : High
   CVE : CAN-1999-0832

. Warning found on port general/icmp


   The remote host answers to an ICMP timestamp
   request. This allows an attacker to know the
   date which is set on your machine.

   This may help him to defeat all your
   time based authentifications protocols.

   Solution : filter out the icmp timestamp
   requests (13), and the outgoing icmp
   timestamp replies (14).

   Risk factor : Low
   CVE : CAN-1999-0524
```

NESSUS Scan of LogServer01

```
------------------------------------------------
This file was generated by the Nessus Security Scanner


Nessus Scan Report
------------------


SUMMARY

 - Number of hosts which were alive during the test : 1
 - Number of security holes found : 1
```

```
 - Number of security warnings found : 3
 - Number of security notes found : 2



TESTED HOSTS

 10.0.0.14 (Security holes found)



DETAILS

+ 10.0.0.14 :
 . List of open ports :
   o general/udp (Security notes found)
   o unknown (748/udp) (Security warnings found)
   o www (80/tcp) (Security hole found)
   o general/tcp (Security warnings found)
   o general/icmp (Security warnings found)

 . Information found on port general/udp


    For your information, here is the traceroute to 10.0.0.14 :
    192.168.0.1
    10.0.0.14

 . Warning found on port unknown (748/udp)



    The rstatd RPC service is running.
    It provides an attacker interesting
    informations such as :

      - the CPU usage
      - the system uptime
      - its network usage
      - and more

    It usually not a good idea to let this
    service open


    Risk factor : Low
    CVE : CAN-1999-0624

 . Vulnerability found on port www (80/tcp) :



    It is possible to read arbitrary files on
    the remote server by requesting :

      GET /cgi-bin/search.cgi?letter=\\..\\..\\.....\\file_to_read
```

```
   An attacker may use this flaw to read arbitary files on
   this server.

   Solution : remove this CGI from /cgi-bin
   Bugtraq ID : 921
   Risk factor : High
   CVE : CAN-2000-0054

. Information found on port www (80/tcp)


   The remote web server type is :
   Stronghold/2.4 Apache/1.3.0 C2NetEU/2407 (Unix)


   We recommend that you configure your web server to return
   bogus versions, so that it makes the cracker job more difficult

. Warning found on port general/tcp



   The remote host uses non-random IP IDs, that is, it is
   possible to predict the next value of the ip_id field of
   the ip packets sent by this host.

   An attacker may use this feature to determine if the remote
   host sent a packet in reply to another request. This may be
   used for portscanning and other things.

   Solution : Contact your vendor for a patch
   Risk factor :
    Low


. Warning found on port general/icmp



   The remote host answers to an ICMP timestamp
   request. This allows an attacker to know the
   date which is set on your machine.

   This may help him to defeat all your
   time based authentifications protocols.

   Solution : filter out the icmp timestamp
   requests (13), and the outgoing icmp
   timestamp replies (14).

   Risk factor : Low
   CVE : CAN-1999-0524
```

```
------------------------------------------------------------
This file was generated by the Nessus Security Scanner
```

Sample passwd for User Telnet Access

```
User:x:101:100:User Name:/home/A/user:/usr/bin/passwd
```

Appendix B.

PASSWD Shell Accounts

```
#!/bin/bash
#script to get valid shells in passwd, MJG 10/30/2000
SERVERLIST=$(cat /root/serverlist)
For SERVER in $SERVERLIST; do
      /usr/local/bin/ssh –n –o 'BatchMode Yes' $SERVER \
            /bin/cat /etc/passwd \
            | /usr/bin/grep –v \
            /bin/false\|/dev/null\|/etc/ftponly \
            | elm –s "Passwd shells for $SERVER" sysadmin
done

LogServer01
root:x:0:0:root:/root:/bin/bash
anotherroot:x:0:0:Anotherroot:/anotherroot:/bin/zsh
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:11:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
gbl:x:100:100:Gordon B Lastname:/home/gbl:/bin/zsh
admin01:x:1823:100:Keith:/home/admin01:/bin/sh

NewWebServer
root:x:0:0:root:/root:/bin/zsh
anotherroot:x:0:0:root:/anotherroot:/bin/zsh
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:11:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
slist:x:18:18:SmartList:/home/slist:/bin/zsh
gbl:x:500:100:Beowulf:/home/gbl:/bin/zsh
webadmin01:x:527:100:Webadmin01:/home/webadmin01:/usr/local/bin/bash
webadmin012:x:525:100:Webadmin01 as
Julie:/home/webadmin01:/usr/local/bin/bash
admin01:x:530:100:System Mailer:/home/admin01:/bin/zsh
admin012:x:525:100:North Pole? Sugar Pole!:/home/admin01:/bin/zsh
klapp:x:551:100:Alan Klapp:/home/klapp:/bin/zsh
mgauth:x:566:100:Mike!:/home/mgauth:/bin/zsh
route43:x:579:501:Caldera OpenLinux User:/home/route43:/bin/bash
dougs:x:585:502:Caldera OpenLinux User:/home/dougs:/bin/bash

OriginalServer
root:x:0:0:root:/root:/bin/zsh
anotherroot:x:0:0:root:/root:/bin/zsh
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:11:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
gbl:x:100:100:Gordon B Lastname:/home/A/gbl:/bin/zsh
admin01:x:1823:100:Keith Lastname,,,:/home/B/admin01:/bin/bash
jbd:x:6358:100:Jack Lastname:/home/B/jbd:/bin/zsh

MailServer01
root:x:0:0:root:/root:/bin/zsh
```

```
anotherroot:x:0:0:root:/anotherroot:/bin/zsh
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:11:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
slist:x:18:18:SmartList:/home/slist:/bin/zsh
gbl:x:100:100:Beowulf:/home/gbl:/bin/zsh

NameServer01
root:x:0:0:root:/root:/bin/zsh
anotherroot:x:0:0:Anotherroot:/root:/bin/zsh
addradius:x:0:0:Add new RADIUS user:/radius:/bin/sh
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:11:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
gbl:x:100:100:Gordon B Lastname:/home/gbl:/bin/bash
```

SSH_CONFIG File

```
#!/bin/bash
#script to get sshd_config file, MJG 10/30/2000
SERVERLIST=$(cat /root/serverlist)
For SERVER in $SERVERLIST; do
      /usr/local/bin/ssh –n –o 'BatchMode Yes' $SERVER \
            /bin/cat /etc/sshd_config \
            | elm –s "sshd_config for $SERVER" sysadmin
done

# This is ssh server systemwide configuration file. NameServer01

Port 22
ListenAddress 0.0.0.0
HostKey /etc/ssh_host_key
RandomSeed /etc/ssh_random_seed
ServerKeyBits 768
LoginGraceTime 600
KeyRegenerationInterval 3600
PermitRootLogin yes
IgnoreRhosts no
StrictModes yes
QuietMode no
X11Forwarding yes
X11DisplayOffset 10
FascistLogging no
PrintMotd yes
KeepAlive yes
SyslogFacility DAEMON
RhostsAuthentication no
RhostsRSAAuthentication yes
RSAAuthentication yes
PasswordAuthentication yes
PermitEmptyPasswords yes
UseLogin no
# CheckMail no
# PidFile /u/zappa/.ssh/pid
AllowHosts 10.100.11.95 172.22.202.35 10.0.0.14 10.0.0.211
172.32.108.211 127.0.0.1
```

```
# DenyHosts lowsecurity.theirs.com *.evil.org evil.org
# Umask 022
# SilentDeny yes

# This is ssh server systemwide configuration file. OriginalServer

Port 22
ListenAddress 0.0.0.0
HostKey /etc/ssh_host_key
RandomSeed /etc/ssh_random_seed
ServerKeyBits 768
LoginGraceTime 600
KeyRegenerationInterval 3600
PermitRootLogin yes
IgnoreRhosts no
StrictModes yes
QuietMode no
X11Forwarding yes
X11DisplayOffset 10
FascistLogging no
PrintMotd yes
KeepAlive yes
SyslogFacility DAEMON
RhostsAuthentication no
RhostsRSAAuthentication yes
RSAAuthentication yes
PasswordAuthentication yes
PermitEmptyPasswords yes
UseLogin no
# CheckMail no
# PidFile /u/zappa/.ssh/pid
AllowHosts 172.22.202.35 10.0.0.14 10.0.0.211 10.0.0.11 192.168.0.43
# DenyHosts lowsecurity.theirs.com *.evil.org evil.org
# Umask 022
# SilentDeny yes

# This is ssh server systemwide configuration file. NewWebServer

Port 22
ListenAddress 0.0.0.0
HostKey /etc/ssh_host_key
RandomSeed /etc/ssh_random_seed
ServerKeyBits 2048
LoginGraceTime 600
KeyRegenerationInterval 3600
PermitRootLogin nopwd
IgnoreRhosts no
StrictModes yes
QuietMode no
X11Forwarding no
X11DisplayOffset 10
FascistLogging no
PrintMotd yes
KeepAlive yes
SyslogFacility Local3
RhostsAuthentication no
RhostsRSAAuthentication yes
```

```
RSAAuthentication yes
PasswordAuthentication yes
PermitEmptyPasswords no
UseLogin no
AllowSHosts *.consultant.net LogServer01.fdlMy_Company.com *.execpc.com
#ForcedEmptyPasswdChange yes
SilentDeny no
# CheckMail no
# PidFile /u/zappa/.ssh/pid
# AllowHosts *.our.com friend.other.com
# DenyHosts lowsecurity.theirs.com *.evil.org evil.org
# Umask 022
# SilentDeny yes

# This is ssh server systemwide configuration file. LogServer01

Port 22
ListenAddress 0.0.0.0
HostKey /etc/ssh_host_key
RandomSeed /etc/ssh_random_seed
ServerKeyBits 768
LoginGraceTime 600
KeyRegenerationInterval 3600
PermitRootLogin yes
IgnoreRhosts no
StrictModes yes
QuietMode no
X11Forwarding yes
X11DisplayOffset 10
FascistLogging no
PrintMotd yes
KeepAlive yes
SyslogFacility DAEMON
RhostsAuthentication no
RhostsRSAAuthentication yes
RSAAuthentication yes
PasswordAuthentication yes
PermitEmptyPasswords yes
UseLogin no
# CheckMail no
# PidFile /u/zappa/.ssh/pid
AllowHosts 172.22.202.35 10.0.0.211 10.0.0.11 10.0.0.12 10.0.0.13
10.0.0.15 10.0.0.240 172.32.108.211 10.0.0.244 0.0.2.17 127.10.196.171
127.200.163.110 127.10.205.50
# DenyHosts lowsecurity.theirs.com *.evil.org evil.org
# Umask 022
# SilentDeny yes

# This is ssh server systemwide configuration file. MailServer01

Port 22
ListenAddress 0.0.0.0
HostKey /etc/ssh_host_key
RandomSeed /etc/ssh_random_seed
ServerKeyBits 2048
LoginGraceTime 600
KeyRegenerationInterval 3600
```

```
PermitRootLogin nopwd
IgnoreRhosts no
StrictModes yes
QuietMode no
X11Forwarding no
X11DisplayOffset 10
FascistLogging no
PrintMotd yes
KeepAlive yes
SyslogFacility Local3
RhostsAuthentication no
RhostsRSAAuthentication yes
RSAAuthentication yes
PasswordAuthentication yes
PermitEmptyPasswords no
UseLogin no
AllowSHosts *.consultant.net 10.0.0.14 10.0.0.11
AllowHosts 172.22.202.35 10.0.0.14 10.0.0.211 10.0.0.11
#ForcedEmptyPasswdChange yes
SilentDeny no
# CheckMail no
# PidFile /u/zappa/.ssh/pid
# AllowHosts *.our.com friend.other.com
# DenyHosts lowsecurity.theirs.com *.evil.org evil.org
# Umask 022
# SilentDeny yes
```

SUID and SGID Files Owned by root

```
#!/bin/bash
#script to get valid shells in passwd, MJG 10/30/2000
SERVERLIST=$(cat /root/serverlist)
For SERVER in $SERVERLIST; do
      /usr/local/bin/ssh –n –o 'BatchMode Yes' $SERVER \
            /usr/bin/find / –perm +6000 \
            | elm –s "suid and sgid for $SERVER" sysadmin
done

NameServer01
/var/spool/fax/outgoing/locks
/usr/local/bin/ssh1
/usr/local/src/perl5.004_04/lib/auto
/usr/local/src/perl5.004_04/lib/auto/Text
/usr/local/src/perl5.004_04/lib/auto/Text/ParseWords
/usr/local/src/perl5.004_04/.config
/usr/local/src/ipchains/ipchains-1.3.9
/usr/local/src/ipchains/ipchains-1.3.9/libipfwc
/usr/local/src/ipchains/ipchains-scripts-1.1.2
/usr/lib/dosemu/0.66.7.0/bin/dos
/usr/lib/mc/bin/cons.saver
/usr/lib/vbox/bin/vboxbeep
/usr/lib/majordomo/wrapper
/usr/bin/chfn
/usr/bin/chsh
/usr/bin/newgrp
/usr/bin/write
```

```
/usr/bin/lpq
/usr/bin/lpr
/usr/bin/lprm
/usr/bin/wall
/usr/bin/at
/usr/bin/man
/usr/bin/passwd
/usr/bin/chage
/usr/bin/expiry
/usr/bin/gpasswd
/usr/bin/crontab
/usr/bin/suidperl
/usr/bin/sperl5.00403
/usr/bin/screen
/usr/bin/quota
/usr/bin/minicom
/usr/bin/rcp
/usr/bin/rlogin
/usr/bin/rsh
/usr/bin/xmonisdn
/usr/bin/smbmount
/usr/bin/smbumount
/usr/bin/elm
/usr/bin/mutt
/usr/bin/lockfile
/usr/bin/procmail
/usr/bin/sperl5.00404
/usr/sbin/lpc
/usr/sbin/traceroute
/usr/sbin/sliplogin
/usr/sbin/sendmail
/usr/X11R6/bin/cardinfo
/usr/libexec/sendmail/mail.local
/usr/libexec/sendmail/sendmail
/bin/su
/bin/login
/bin/mount
/bin/umount
/bin/ping
/bin/mail
/home/ftp/pub
/sbin/cardctl
/sbin/dump
/sbin/restore
/sbin/rmt

OriginalServer
/var/spool/fax/outgoing/locks
/var/www/bin/suexec
/var/www/sbin/suexec
/var/www/sbin.save/suexec
/usr/bin/chfn
/usr/bin/chsh
/usr/bin/newgrp
/usr/bin/write
/usr/bin/lpq
/usr/bin/lpr
```

```
/usr/bin/lprm
/usr/bin/wall
/usr/bin/at
/usr/bin/man
/usr/bin/passwd
/usr/bin/sperl5.00403
/usr/bin/chage
/usr/bin/expiry
/usr/bin/gpasswd
/usr/bin/crontab
/usr/bin/quota
/usr/bin/screen
/usr/bin/elm
/usr/bin/minicom
/usr/bin/mutt
/usr/bin/rcp
/usr/bin/rlogin
/usr/bin/rsh
/usr/bin/lockfile
/usr/bin/procmail
/usr/local/bin/ssh1
/usr/local/src/proftpd-1.2.0pre3
/usr/local/src/proftpd-1.2.0pre3/contrib
/usr/local/src/proftpd-1.2.0pre3/contrib/libcap
/usr/local/src/proftpd-1.2.0pre3/doc
/usr/local/src/proftpd-1.2.0pre3/include
/usr/local/src/proftpd-1.2.0pre3/lib
/usr/local/src/proftpd-1.2.0pre3/modules
/usr/local/src/proftpd-1.2.0pre3/sample-configurations
/usr/local/src/proftpd-1.2.0pre3/src
/usr/local/src/qpopper3.0/popper/popauth
/usr/sbin/lpc
/usr/sbin/sendmail
/usr/sbin/traceroute
/usr/X11R6/bin/cardinfo
/home/A/ftp/pub
/bin/su
/bin/login
/bin/mount
/bin/umount
/bin/mail
/bin/ping
/sbin/cardctl
/sbin/dump
/sbin/restore
/sbin/rmt

NewWebServer
/usr/local/apache/bin/suexec
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/Porti
ng
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/cygwi
n32
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg/cg
i
```

```
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg/g
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg/sc
an
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg/sy
svipc
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/eg/va
n
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/emacs
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/D
B_File
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/D
ynaLoader
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/F
cntl
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/G
DBM_File
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/I
O
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/I
O/lib
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/I
O/lib/IO
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/N
DBM_File
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/N
DBM_File/hints
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/O
DBM_File
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/O
DBM_File/hints
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/O
pcode
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/P
OSIX
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/P
OSIX/hints
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/S
DBM_File
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/S
DBM_File/sdbm
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/S
ocket
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/ext/u
til
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/h2pl
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/h2pl/
eg
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/h2pl/
eg/sys
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/hints
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/B
undle
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/C
GI
```

```
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/C
PAN
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/C
lass
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/D
evel
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/E
xtUtils
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/F
ile
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/G
etopt
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/I
18N
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/I
PC
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/M
ath
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/N
et
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/P
od
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/S
earch
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/S
ys
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/T
erm
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/T
est
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/T
ext
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/T
ie
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/T
ime
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/lib/U
ser
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/ExtAttr
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/ExtAttr/t
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/PrfDB
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/PrfDB/t
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/Process
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/REXX
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/os2/O
S2/REXX/t
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/plan9
```

```
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/plan9
/arpa
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/pod
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/qnx
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/bas
e
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/cmd
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/com
p
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/io
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/lib
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/op
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/t/pra
gma
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/utils
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/vms
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/vms/e
xt
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/vms/e
xt/DCLsym
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/vms/e
xt/Stdio
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/win32
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/win32
/bin
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/win32
/include
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/win32
/include/arpa
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/win32
/include/sys
/usr/local/apache/htdocs/oldpeter/home/delliott/perl/perl5.004_04/x2p
/usr/local/apache/htdocs/oldpeter/apache/cgi-bin/checkpass
/usr/local/apache/htdocs/oldpeter/apache/htdocs/HyperNews1.9B5.7
/usr/local/apache/htdocs/oldpeter/apache/htdocs/HyperNews1.9B5.7/.scrip
ts
/usr/local/apache/htdocs/oldpeter/apache/htdocs/HyperNews1.9B5.7/.scrip
ts/Icons
/usr/local/apache/htdocs/oldpeter/apache/prot-bin/mat
/usr/local/apache/htdocs/home/slist/.bin/multigram
/usr/local/apache/htdocs/home/slist/.bin/choplist
/usr/local/apache/htdocs/home/slist/.bin/idhash
/usr/local/apache/htdocs/home/slist/.bin/senddigest
/usr/local/apache/htdocs/home/slist/.bin/flist
/usr/bin/wall
/usr/bin/procmail
/usr/bin/lockfile
/usr/bin/write
/usr/bin/sudo
/usr/bin/elm
/usr/bin/passwd
/usr/bin/sperl5.00502
/usr/sbin/sendmail
/usr/sbin/traceroute
/usr/libexec/pt_chown
/usr/adm/sm.bin/flist
```

```
/var/spool/fax/outgoing/locks
/bin/mail
/bin/ping
/bin/su
/bin/login
/sbin/dump
/sbin/restore
/sbin/rmt

MailServer01
/usr/bin/wall
/usr/bin/procmail
/usr/bin/lockfile
/usr/bin/write
/usr/bin/sudo
/usr/bin/elm
/usr/bin/passwd
/usr/bin/sperl5.00502
/usr/bin/rsh
/usr/sbin/sendmail
/usr/sbin/traceroute
/usr/libexec/pt_chown
/usr/adm/sm.bin/flist
/var/spool/fax/outgoing/locks
/home/slist/.bin/multigram
/home/slist/.bin/choplist
/home/slist/.bin/idhash
/home/slist/.bin/senddigest
/home/slist/.bin/flist
/bin/mail
/bin/ping
/bin/su
/bin/login
/sbin/dump
/sbin/restore
/sbin/rmt
/data/old/bin/su
/data/old/bin/login
/data/old/bin/mount
/data/old/bin/umount
/data/old/bin/mail
/data/old/bin/ping
/data/old/home/ftp/pub
/data/old/sbin/cardctl
/data/old/sbin/dump
/data/old/sbin/restore
/data/old/sbin/rmt
/data/old/usr/local/bin/ssh1
/data/old/usr/lib/majordomo/wrapper
/data/old/usr/src/linux-2.0.37/drivers/sound
/data/old/usr/src/linux-2.0.37/drivers/sound/lowlevel
/data/old/usr/bin/chfn
/data/old/usr/bin/chsh
/data/old/usr/bin/newgrp
/data/old/usr/bin/write
/data/old/usr/bin/lpq
/data/old/usr/bin/lpr
```

```
/data/old/usr/bin/lprm
/data/old/usr/bin/wall
/data/old/usr/bin/at
/data/old/usr/bin/man
/data/old/usr/bin/passwd
/data/old/usr/bin/suidperl
/data/old/usr/bin/sperl5.00403
/data/old/usr/bin/chage
/data/old/usr/bin/expiry
/data/old/usr/bin/gpasswd
/data/old/usr/bin/crontab
/data/old/usr/bin/quota
/data/old/usr/bin/screen
/data/old/usr/bin/elm
/data/old/usr/bin/mutt
/data/old/usr/bin/minicom
/data/old/usr/bin/rcp
/data/old/usr/bin/rlogin
/data/old/usr/bin/rsh
/data/old/usr/bin/lockfile
/data/old/usr/bin/procmail
/data/old/usr/bin/smbmount
/data/old/usr/bin/smbumount
/data/old/usr/sbin/lpc
/data/old/usr/sbin/sendmail
/data/old/usr/sbin/traceroute
/data/old/usr/X11R6/bin/cardinfo
/data/old/usr/libexec/sendmail/mail.local
/data/old/usr/libexec/sendmail/sendmail
/data/old/var/spool/fax/outgoing/locks
/nfs/home/A/ftp/pub

LogServer01
/var/spool/fax/outgoing/locks
/usr/local/bin/ssh1
/usr/bin/chfn
/usr/bin/chsh
/usr/bin/newgrp
/usr/bin/write
/usr/bin/lpq
/usr/bin/lpr
/usr/bin/lprm
/usr/bin/wall
/usr/bin/at
/usr/bin/man
/usr/bin/passwd
/usr/bin/sperl5.00403
/usr/bin/chage
/usr/bin/expiry
/usr/bin/gpasswd
/usr/bin/crontab
/usr/bin/quota
/usr/bin/screen
/usr/bin/zgv
/usr/bin/elm
/usr/bin/minicom
/usr/bin/mutt
```

```
/usr/bin/rcp
/usr/bin/rlogin
/usr/bin/rsh
/usr/bin/lockfile
/usr/bin/procmail
/usr/bin/smbmount
/usr/bin/smbumount
/usr/sbin/lpc
/usr/sbin/inndstart
/usr/sbin/sliplogin
/usr/sbin/traceroute
/usr/X11R6/bin/cardinfo
/usr/libexec/sendmail/mail.local
/usr/libexec/sendmail/sendmail
/bin/su
/bin/login
/bin/mount
/bin/umount
/bin/mail
/bin/ping
/home/ftp/pub
/sbin/cardctl
/sbin/dump
/sbin/restore
/sbin/rmt
```

LSOF –i of all Servers

```
#!/bin/bash
#script to get valid shells in passwd, MJG 10/30/2000
SERVERLIST=$(cat /root/serverlist)
For SERVER in $SERVERLIST; do
      /usr/local/bin/ssh –n –o 'BatchMode Yes' $SERVER \
            /usr/sbin/lsof –I \
            | elm –s "Passwd shells for $SERVER" sysadmin
done

NameServer01
COMMAND     PID USER   FD   TYPE  DEVICE SIZE NODE NAME
rpc.portm    90 root    3u  inet      34       UDP *:sunrpc
rpc.portm    90 root    4u  inet      35       TCP *:sunrpc (LISTEN)
syslogd      98 root    1u  inet      40       UDP *:syslog
xntpd       128 root    4u  inet      83       UDP *:ntp
xntpd       128 root    5u  inet      84       UDP localhost:ntp
xntpd       128 root    6u  inet      85       UDP
NameServer01.fdlMy_Company.com:ntp
rpc.mount   140 root    4u  inet      99       UDP *:741
rpc.mount   140 root    5u  inet     104       TCP *:744 (LISTEN)
rpc.nfsd    142 root    4u  inet     115       UDP *:2049
rpc.nfsd    142 root    5u  inet     118       TCP *:2049 (LISTEN)
rpc.rstat   153 root    3u  inet     134       UDP *:757
rpc.rstat   153 root    4u  inet     143       TCP *:762 (LISTEN)
xinetd      185 root    3u  inet     170       TCP *:daytime (LISTEN)
xinetd      185 root    5u  inet     171       UDP *:daytime
sshd        197 root    3u  inet     222       TCP *:ssh (LISTEN)
radiusd    1594 root    4u  inet 7057926       UDP *:radacct
```

```
radiusd    1594 root    5u  inet 7057927       UDP *:radius
radiusd    1594 root    6u  inet 7057928       UDP *:2464
radiusd    1594 root    7u  inet 7057929       UDP *:2465
radiusd    2958 root    4u  inet 7057926       UDP *:radacct
radiusd    2958 root    5u  inet 7057927       UDP *:radius
radiusd    2958 root    6u  inet 7057928       UDP *:2464
radiusd    2958 root    7u  inet 7057929       UDP *:2465
radiusd   10849 root    4u  inet 7057926       UDP *:radacct
radiusd   10849 root    5u  inet 7057927       UDP *:radius
radiusd   10849 root    6u  inet 7057928       UDP *:2464
radiusd   10849 root    7u  inet 7057929       UDP *:2465
radiusd   12503 root    4u  inet 7057926       UDP *:radacct
radiusd   12503 root    5u  inet 7057927       UDP *:radius
radiusd   12503 root    6u  inet 7057928       UDP *:2464
radiusd   12503 root    7u  inet 7057929       UDP *:2465
sshd      16734 root    5u  inet 7465536       TCP
NameServer01.fdlMy_Company.com:ssh->LogServer01.fdlMy_Company.com:1023
(ESTABLISHED)
radiusd   17349 root    4u  inet 7057926       UDP *:radacct
radiusd   17349 root    5u  inet 7057927       UDP *:radius
radiusd   17349 root    6u  inet 7057928       UDP *:2464
radiusd   17349 root    7u  inet 7057929       UDP *:2465
named     21860 root    3u  inet 7464085       UDP *:2760
named     21860 root   20u  inet 7070506       UDP localhost:domain
named     21860 root   21u  inet 7070507       TCP localhost:domain
(LISTEN)
named     21860 root   22u  inet 7070508       UDP
NameServer01.fdlMy_Company.com:domain
named     21860 root   23u  inet 7070509       TCP
NameServer01.fdlMy_Company.com:domain (LISTEN)
named     21860 root   24u  inet 7070510       UDP
ns1.My_Company.com:domain
named     21860 root   25u  inet 7070511       TCP
ns1.My_Company.com:domain (LISTEN)
named     21860 root   26u  inet 7070512       UDP
172.16.192.101:domain
named     21860 root   27u  inet 7070513       TCP
172.16.192.101:domain (LISTEN)
named     21860 root   28u  inet 7070514       UDP
ns1.fdlMy_Company.com:domain
named     21860 root   29u  inet 7070515       TCP
ns1.fdlMy_Company.com:domain (LISTEN)
named     21860 root   30u  inet 7070516       UDP
ns1.consultant.net:domain
named     21860 root   31u  inet 7070517       TCP
ns1.consultant.net:domain (LISTEN)
named     21860 root   32u  inet 7070518       UDP
ray.atw.earthreach.com:domain
named     21860 root   33u  inet 7070519       TCP
ray.atw.earthreach.com:domain (LISTEN)
radiusd   23463 root    4u  inet 7057926       UDP *:radacct
radiusd   23463 root    5u  inet 7057927       UDP *:radius
radiusd   23463 root    6u  inet 7057928       UDP *:2464
radiusd   23463 root    7u  inet 7057929       UDP *:2465
radiusd   23817 root    4u  inet 7057926       UDP *:radacct
radiusd   23817 root    5u  inet 7057927       UDP *:radius
radiusd   23817 root    6u  inet 7057928       UDP *:2464
```

```
radiusd   23817 root    7u  inet 7057929       UDP *:2465
radiusd   32516 root    4u  inet 7057926       UDP *:radacct
radiusd   32516 root    5u  inet 7057927       UDP *:radius
radiusd   32516 root    6u  inet 7057928       UDP *:2464
radiusd   32516 root    7u  inet 7057929       UDP *:2465

OriginalServer
COMMAND     PID USER   FD   TYPE   DEVICE SIZE NODE NAME
rpc.portm    92 root    3u  inet       48       UDP *:sunrpc
rpc.portm    92 root    4u  inet       49       TCP *:sunrpc (LISTEN)
syslogd     100 root    1u  inet       54       UDP *:syslog
xntpd       129 root    4u  inet       88       UDP *:ntp
xntpd       129 root    5u  inet       89       UDP localhost:ntp
xntpd       129 root    6u  inet       90       UDP
OriginalServer.fdlMy_Company.com:ntp
rpc.mount   141 root    4u  inet      104       UDP *:742
rpc.mount   141 root    5u  inet      109       TCP *:745 (LISTEN)
rpc.nfsd    143 root    4u  inet      120       UDP *:2049
rpc.nfsd    143 root    5u  inet      123       TCP *:2049 (LISTEN)
sshd        199 root    3u  inet      265       TCP *:ssh (LISTEN)
httpd       240 root  142u  inet      779       TCP *:www (LISTEN)
proftpd     242 root    0u  inet      784       TCP *:ftp (LISTEN)
proftpd    2075 root    0u  inet 59278157       TCP
OriginalServer.fdlMy_Company.com:ftp->209.83.4.215:1297 (CLOSE)
proftpd    2075 root    1u  inet 59278157       TCP
OriginalServer.fdlMy_Company.com:ftp->209.83.4.215:1297 (CLOSE)
proftpd    2075 root   10u  inet 59300423       TCP
OriginalServer.fdlMy_Company.com:ftp-data->209.83.4.215:1386
(ESTABLISHED)
proftpd    2075 root   11u  inet 59300423       TCP
OriginalServer.fdlMy_Company.com:ftp-data->209.83.4.215:1386
(ESTABLISHED)
proftpd    2479 root    0u  inet 43051513       TCP
virtual.fdlMy_Company.com:ftp->ppp-
019.max1.mark.dyn.My_Company.com:1038 (ESTABLISHED)
proftpd    2479 root    1u  inet 43051513       TCP
virtual.fdlMy_Company.com:ftp->ppp-
019.max1.mark.dyn.My_Company.com:1038 (ESTABLISHED)
proftpd    2479 root   10u  inet 43051555       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
019.max1.mark.dyn.My_Company.com:1042 (ESTABLISHED)
proftpd    2479 root   11u  inet 43051555       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
019.max1.mark.dyn.My_Company.com:1042 (ESTABLISHED)
proftpd    2480 root    0u  inet 43051517       TCP
virtual.fdlMy_Company.com:ftp->ppp-
019.max1.mark.dyn.My_Company.com:1039 (ESTABLISHED)
proftpd    2480 root    1u  inet 43051517       TCP
virtual.fdlMy_Company.com:ftp->ppp-
019.max1.mark.dyn.My_Company.com:1039 (ESTABLISHED)
proftpd    2480 root   10u  inet 43051556       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
019.max1.mark.dyn.My_Company.com:1043 (ESTABLISHED)
proftpd    2480 root   11u  inet 43051556       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
019.max1.mark.dyn.My_Company.com:1043 (ESTABLISHED)
```

```
proftpd    5533 root    0u  inet 60264399       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
012.max1.cli.dyn.My_Company.com:1754 (ESTABLISHED)
proftpd    5533 root    1u  inet 60264399       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
012.max1.cli.dyn.My_Company.com:1754 (ESTABLISHED)
proftpd    5533 root   10u  inet 60264459       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
012.max1.cli.dyn.My_Company.com:1756 (ESTABLISHED)
proftpd    5533 root   11u  inet 60264459       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
012.max1.cli.dyn.My_Company.com:1756 (ESTABLISHED)
named      6543 root    3u  inet 78210568       UDP *:2850
named      6543 root   20u  inet 55812111       UDP localhost:domain
named      6543 root   21u  inet 55812112       TCP localhost:domain
(LISTEN)
named      6543 root   22u  inet 55812113       UDP
OriginalServer.fdlMy_Company.com:domain
named      6543 root   23u  inet 55812114       TCP
OriginalServer.fdlMy_Company.com:domain (LISTEN)
named      6543 root   24u  inet 55812115       UDP
ns2.My_Company.com:domain
named      6543 root   25u  inet 55812116       TCP
ns2.My_Company.com:domain (LISTEN)
named      6543 root   26u  inet 55812117       UDP
OriginalServer.My_Company.com:domain
named      6543 root   27u  inet 55812118       TCP
OriginalServer.My_Company.com:domain (LISTEN)
named      6543 root   28u  inet 55812119       UDP
172.16.192.100:domain
named      6543 root   29u  inet 55812120       TCP
172.16.192.100:domain (LISTEN)
named      6543 root   30u  inet 55812121       UDP
ns2.fdlMy_Company.com:domain
named      6543 root   31u  inet 55812122       TCP
ns2.fdlMy_Company.com:domain (LISTEN)
named      6543 root   32u  inet 55812123       UDP
virtual.fdlMy_Company.com:domain
named      6543 root   33u  inet 55812124       TCP
virtual.fdlMy_Company.com:domain (LISTEN)
named      6543 root   34u  inet 55812125       UDP ftp.martin-
design.net:domain
named      6543 root   35u  inet 55812126       TCP ftp.martin-
design.net:domain (LISTEN)
named      6543 root   36u  inet 55812127       UDP
peter.atw.earthreach.com:domain
named      6543 root   37u  inet 55812128       TCP
peter.atw.earthreach.com:domain (LISTEN)
named      6543 root   38u  inet 55812129       UDP
mars.someothernet.net:domain
named      6543 root   39u  inet 55812130       TCP
mars.someothernet.net:domain (LISTEN)
named      6543 root   40u  inet 55812131       UDP
ns2.consultant.net:domain
named      6543 root   41u  inet 55812132       TCP
ns2.consultant.net:domain (LISTEN)
```

```
proftpd    6768 root    0u  inet 57753695       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.98:1032 (ESTABLISHED)
proftpd    6768 root    1u  inet 57753695       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.98:1032 (ESTABLISHED)
proftpd    6768 root   11u  inet 57757801       TCP
virtual.fdlMy_Company.com:1436->127.200.221.98:1039 (ESTABLISHED)
proftpd    6768 root   12u  inet 57757801       TCP
virtual.fdlMy_Company.com:1436->127.200.221.98:1039 (ESTABLISHED)
proftpd    8021 root    0u  inet  3600583       TCP
virtual.fdlMy_Company.com:ftp->ppp-150.max1.fdl.dyn.My_Company.com:1050
(ESTABLISHED)
proftpd    8021 root    1u  inet  3600583       TCP
virtual.fdlMy_Company.com:ftp->ppp-150.max1.fdl.dyn.My_Company.com:1050
(ESTABLISHED)
proftpd    8021 root   10u  inet  3600633       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
150.max1.fdl.dyn.My_Company.com:1052 (ESTABLISHED)
proftpd    8021 root   11u  inet  3600633       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
150.max1.fdl.dyn.My_Company.com:1052 (ESTABLISHED)
proftpd    9795 root    0u  inet 69774888       TCP
virtual.fdlMy_Company.com:ftp->ppp-041.max2.ply.dyn.My_Company.com:1741
(ESTABLISHED)
proftpd    9795 root    1u  inet 69774888       TCP
virtual.fdlMy_Company.com:ftp->ppp-041.max2.ply.dyn.My_Company.com:1741
(ESTABLISHED)
proftpd    9795 root   10u  inet 69777012       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
041.max2.ply.dyn.My_Company.com:1765 (ESTABLISHED)
proftpd    9795 root   11u  inet 69777012       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
041.max2.ply.dyn.My_Company.com:1765 (ESTABLISHED)
proftpd   10608 root    0u  inet 47362328       TCP
virtual.fdlMy_Company.com:ftp->ppp-018.max1.osh.dyn.My_Company.com:2005
(ESTABLISHED)
proftpd   10608 root    1u  inet 47362328       TCP
virtual.fdlMy_Company.com:ftp->ppp-018.max1.osh.dyn.My_Company.com:2005
(ESTABLISHED)
proftpd   10608 root   11u  inet 47365697       TCP
virtual.fdlMy_Company.com:2607->ppp-
018.max1.osh.dyn.My_Company.com:2046 (ESTABLISHED)
proftpd   10608 root   12u  inet 47365697       TCP
virtual.fdlMy_Company.com:2607->ppp-
018.max1.osh.dyn.My_Company.com:2046 (ESTABLISHED)
xinetd    11091 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    11091 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    11091 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    11091 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    11091 root    9u  inet 78166811       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
015.max2.mark.dyn.My_Company.com:1252 (ESTABLISHED)
xinetd    11091 root   10u  inet 78166812       TCP
OriginalServer.fdlMy_Company.com:2181 (CLOSE)
xinetd    11091 root   11u  inet 78166819       TCP
OriginalServer.fdlMy_Company.com:2186-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
```

```
xinetd    11096 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    11096 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    11096 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    11096 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    11096 root    9u  inet 78166811       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
015.max2.mark.dyn.My_Company.com:1252 (ESTABLISHED)
xinetd    11096 root   10u  inet 78166812       TCP
OriginalServer.fdlMy_Company.com:2181 (CLOSE)
xinetd    11096 root   11u  inet 78166819       TCP
OriginalServer.fdlMy_Company.com:2186-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
proftpd   11985 root    0u  inet 32775402       TCP
OriginalServer.fdlMy_Company.com:ftp-
>emax2.dyn138.evansville.in.us.dynastyonline.net:2870 (CLOSE_WAIT)
proftpd   11985 root    1u  inet 32775402       TCP
OriginalServer.fdlMy_Company.com:ftp-
>emax2.dyn138.evansville.in.us.dynastyonline.net:2870 (CLOSE_WAIT)
proftpd   11985 root   10u  inet 32777488       TCP
OriginalServer.fdlMy_Company.com:ftp-data-
>emax2.dyn138.evansville.in.us.dynastyonline.net:2901 (ESTABLISHED)
proftpd   11985 root   11u  inet 32777488       TCP
OriginalServer.fdlMy_Company.com:ftp-data-
>emax2.dyn138.evansville.in.us.dynastyonline.net:2901 (ESTABLISHED)
sshd      12353 root    5u  inet 77815697       TCP
OriginalServer.fdlMy_Company.com:ssh->NewWebServer.My_Company.com:2537
(ESTABLISHED)
ssh       12373 root    3u  inet 77815771       TCP
OriginalServer.fdlMy_Company.com:1022-
>LogServer01.fdlMy_Company.com:ssh (ESTABLISHED)
proftpd   13013 root    0u  inet 29661741       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
311.max1.fdl.dyn.My_Company.com:1026 (ESTABLISHED)
proftpd   13013 root    1u  inet 29661741       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
311.max1.fdl.dyn.My_Company.com:1026 (ESTABLISHED)
proftpd   13013 root   10u  inet 29661871       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
311.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
proftpd   13013 root   11u  inet 29661871       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
311.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
proftpd   13552 root    0u  inet 48947218       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
095.max1.rpn.dyn.My_Company.com:1267 (ESTABLISHED)
proftpd   13552 root    1u  inet 48947218       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
095.max1.rpn.dyn.My_Company.com:1267 (ESTABLISHED)
proftpd   13552 root   10u  inet 48947841       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
095.max1.rpn.dyn.My_Company.com:1277 (ESTABLISHED)
proftpd   13552 root   11u  inet 48947841       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
095.max1.rpn.dyn.My_Company.com:1277 (ESTABLISHED)
```

```
proftpd   13977 root    0u  inet  3637312       TCP
virtual.fdlMy_Company.com:ftp->ppp-130.max1.fdl.dyn.My_Company.com:1195
(ESTABLISHED)
proftpd   13977 root    1u  inet  3637312       TCP
virtual.fdlMy_Company.com:ftp->ppp-130.max1.fdl.dyn.My_Company.com:1195
(ESTABLISHED)
proftpd   13977 root   10u  inet  3637411       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
130.max1.fdl.dyn.My_Company.com:1197 (ESTABLISHED)
proftpd   13977 root   11u  inet  3637411       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
130.max1.fdl.dyn.My_Company.com:1197 (ESTABLISHED)
sshd      14343 root    5u  inet 78183584       TCP
OriginalServer.fdlMy_Company.com:ssh-
>LogServer01.fdlMy_Company.com:1021 (ESTABLISHED)
proftpd   15747 root    0u  inet 35145553       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
010.max1.rpn.dyn.My_Company.com:1521 (ESTABLISHED)
proftpd   15747 root    1u  inet 35145553       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
010.max1.rpn.dyn.My_Company.com:1521 (ESTABLISHED)
proftpd   15747 root   10u  inet 35148425       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
010.max1.rpn.dyn.My_Company.com:1531 (ESTABLISHED)
proftpd   15747 root   11u  inet 35148425       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
010.max1.rpn.dyn.My_Company.com:1531 (ESTABLISHED)
xinetd    16131 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    16131 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    16131 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    16131 root    8u  inet 48962717       TCP *:smtp (LISTEN)
proftpd   16517 root    0u  inet 32992292       TCP
virtual.fdlMy_Company.com:ftp->ip-156-46-69-30.bytehead.com:1555
(ESTABLISHED)
proftpd   16517 root    1u  inet 32992292       TCP
virtual.fdlMy_Company.com:ftp->ip-156-46-69-30.bytehead.com:1555
(ESTABLISHED)
proftpd   16517 root   10u  inet 32995363       TCP
virtual.fdlMy_Company.com:ftp-data->ip-156-46-69-30.bytehead.com:1605
(ESTABLISHED)
proftpd   16517 root   11u  inet 32995363       TCP
virtual.fdlMy_Company.com:ftp-data->ip-156-46-69-30.bytehead.com:1605
(ESTABLISHED)
xinetd    19418 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    19418 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    19418 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    19418 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    19418 root    9u  inet 62443606       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
039.max1.ber.dyn.My_Company.com:4245 (ESTABLISHED)
xinetd    19418 root   10u  inet 62443611       TCP
OriginalServer.fdlMy_Company.com:4611 (CLOSE)
xinetd    19418 root   11u  inet 62443620       TCP
OriginalServer.fdlMy_Company.com:4613-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
```

```
xinetd    19420 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    19420 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    19420 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    19420 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    19420 root    9u  inet 62443606       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
039.max1.ber.dyn.My_Company.com:4245 (ESTABLISHED)
xinetd    19420 root   10u  inet 62443611       TCP
OriginalServer.fdlMy_Company.com:4611 (CLOSE)
xinetd    19420 root   11u  inet 62443620       TCP
OriginalServer.fdlMy_Company.com:4613-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
proftpd   19860 root    0u  inet 23879782       TCP
OriginalServer.fdlMy_Company.com:ftp->ip209-183-120-
214.ts.indy.net:1082 (ESTABLISHED)
proftpd   19860 root    1u  inet 23879782       TCP
OriginalServer.fdlMy_Company.com:ftp->ip209-183-120-
214.ts.indy.net:1082 (ESTABLISHED)
proftpd   19860 root   10u  inet 23880373       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ip209-183-120-
214.ts.indy.net:1092 (ESTABLISHED)
proftpd   19860 root   11u  inet 23880373       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ip209-183-120-
214.ts.indy.net:1092 (ESTABLISHED)
proftpd   19884 root    0u  inet 76693542       TCP
virtual.fdlMy_Company.com:ftp->ppp-092.max1.rpn.dyn.My_Company.com:1025
(ESTABLISHED)
proftpd   19884 root    1u  inet 76693542       TCP
virtual.fdlMy_Company.com:ftp->ppp-092.max1.rpn.dyn.My_Company.com:1025
(ESTABLISHED)
proftpd   19884 root   10u  inet 76693813       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
092.max1.rpn.dyn.My_Company.com:1030 (ESTABLISHED)
proftpd   19884 root   11u  inet 76693813       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
092.max1.rpn.dyn.My_Company.com:1030 (ESTABLISHED)
popper    20150 root    0u  inet 78218989       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
054.max1.fdl.dyn.My_Company.com:1076 (ESTABLISHED)
popper    20150 root    1u  inet 78218989       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
054.max1.fdl.dyn.My_Company.com:1076 (ESTABLISHED)
popper    20150 root    2u  inet 78218989       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
054.max1.fdl.dyn.My_Company.com:1076 (ESTABLISHED)
proftpd   20256 root    0u  inet 45478115       TCP
OriginalServer.fdlMy_Company.com:ftp->cbrg1346.capecod.net:49192
(ESTABLISHED)
proftpd   20256 root    1u  inet 45478115       TCP
OriginalServer.fdlMy_Company.com:ftp->cbrg1346.capecod.net:49192
(ESTABLISHED)
proftpd   20256 root   10u  inet 45479720       TCP
OriginalServer.fdlMy_Company.com:ftp-data->cbrg1346.capecod.net:49198
(ESTABLISHED)
```

```
proftpd   20256 root   11u  inet 45479720       TCP
OriginalServer.fdlMy_Company.com:ftp-data->cbrg1346.capecod.net:49198
(ESTABLISHED)
httpd     20283 root    3u  inet 78225037       TCP
virtual.fdlMy_Company.com:www->ppp-093.max1.fdl.dyn.My_Company.com:1027
(ESTABLISHED)
httpd     20283 root  142u  inet      779       TCP *:www (LISTEN)
popper    20404 root    0u  inet 78220540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
094.max1.rpn.dyn.My_Company.com:1076 (ESTABLISHED)
popper    20404 root    1u  inet 78220540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
094.max1.rpn.dyn.My_Company.com:1076 (ESTABLISHED)
popper    20404 root    2u  inet 78220540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
094.max1.rpn.dyn.My_Company.com:1076 (ESTABLISHED)
xinetd    20495 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    20495 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    20495 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    20495 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    20495 root    9u  inet 78221050       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
021.max1.cli.dyn.My_Company.com:4202 (ESTABLISHED)
xinetd    20495 root   10u  inet 78221051       TCP
OriginalServer.fdlMy_Company.com:2889 (CLOSE)
xinetd    20495 root   11u  inet 78221052       TCP
OriginalServer.fdlMy_Company.com:2890-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
xinetd    20496 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    20496 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    20496 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    20496 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    20496 root    9u  inet 78221050       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
021.max1.cli.dyn.My_Company.com:4202 (ESTABLISHED)
xinetd    20496 root   10u  inet 78221051       TCP
OriginalServer.fdlMy_Company.com:2889 (CLOSE)
xinetd    20496 root   11u  inet 78221052       TCP
OriginalServer.fdlMy_Company.com:2890-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
httpd     20664 root    3u  inet 78225139       TCP
virtual.fdlMy_Company.com:www->ppp-018.max2.nh.dyn.My_Company.com:1245
(ESTABLISHED)
httpd     20664 root  142u  inet      779       TCP *:www (LISTEN)
httpd     20665 root    3u  inet 78224886       TCP
virtual.fdlMy_Company.com:www->200-191-168-79-as.acessonet.com.br:1056
(ESTABLISHED)
httpd     20665 root  142u  inet      779       TCP *:www (LISTEN)
httpd     20689 root    3u  inet 78225052       TCP
virtual.fdlMy_Company.com:www->24-29-104-31.nyc.rr.com:1468
(ESTABLISHED)
httpd     20689 root  142u  inet      779       TCP *:www (LISTEN)
httpd     20692 root    3u  inet 78225134       TCP
virtual.fdlMy_Company.com:www->ppp-018.max2.nh.dyn.My_Company.com:1244
(ESTABLISHED)
```

```
httpd     20692 root  142u  inet      779       TCP *:www (LISTEN)
httpd     20693 root    3u  inet 78225118       TCP
virtual.fdlMy_Company.com:www->stclemens.cpe.dsl.enteract.com:20980
(ESTABLISHED)
httpd     20693 root  142u  inet      779       TCP *:www (LISTEN)
httpd     20698 root    3u  inet 78222534       TCP
virtual.fdlMy_Company.com:www->ppp-008.max1.rpn.dyn.My_Company.com:1027
(ESTABLISHED)
httpd     20698 root  142u  inet      779       TCP *:www (LISTEN)
xinetd    20769 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    20769 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    20769 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    20769 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    20769 root    9u  inet 78222628       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
010.max3.nh.dyn.My_Company.com:1787 (ESTABLISHED)
xinetd    20769 root   10u  inet 78222629       TCP
OriginalServer.fdlMy_Company.com:3152->ppp-
010.max3.nh.dyn.My_Company.com:auth (SYN_SENT)
xinetd    20769 root   11u  inet 78222895       TCP
OriginalServer.fdlMy_Company.com:3194-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
httpd     20797 root    3u  inet 78225031       TCP
virtual.fdlMy_Company.com:www->AHost.CarnegieMuseums.Org:2306
(ESTABLISHED)
httpd     20797 root  142u  inet      779       TCP *:www (LISTEN)
proftpd   20799 root    0u  inet 47426390       TCP
virtual.fdlMy_Company.com:ftp->wildone.My_Company.com:1122
(ESTABLISHED)
proftpd   20799 root    1u  inet 47426390       TCP
virtual.fdlMy_Company.com:ftp->wildone.My_Company.com:1122
(ESTABLISHED)
proftpd   20799 root   11u  inet 47426420       TCP
virtual.fdlMy_Company.com:3615->wildone.My_Company.com:1124
(ESTABLISHED)
proftpd   20799 root   12u  inet 47426420       TCP
virtual.fdlMy_Company.com:3615->wildone.My_Company.com:1124
(ESTABLISHED)
httpd     20800 root    3u  inet 78224961       TCP
virtual.fdlMy_Company.com:www->AHost.CarnegieMuseums.Org:2305
(ESTABLISHED)
httpd     20800 root  142u  inet      779       TCP *:www (LISTEN)
xinetd    20829 root    3u  inet 48962714       TCP *:telnet (LISTEN)
xinetd    20829 root    6u  inet 48962715       TCP *:pop3 (LISTEN)
xinetd    20829 root    7u  inet 48962716       TCP *:mailstats
(LISTEN)
xinetd    20829 root    8u  inet 48962717       TCP *:smtp (LISTEN)
xinetd    20829 root    9u  inet 78222628       TCP
OriginalServer.fdlMy_Company.com:smtp->ppp-
010.max3.nh.dyn.My_Company.com:1787 (ESTABLISHED)
xinetd    20829 root   10u  inet 78222629       TCP
OriginalServer.fdlMy_Company.com:3152->ppp-
010.max3.nh.dyn.My_Company.com:auth (SYN_SENT)
xinetd    20829 root   11u  inet 78222895       TCP
OriginalServer.fdlMy_Company.com:3194-
>MailServer01.fdlMy_Company.com:smtp (ESTABLISHED)
```

```
popper    20859 root    0u  inet 78223085       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
012.max3.ply.dyn.My_Company.com:1031 (ESTABLISHED)
popper    20859 root    1u  inet 78223085       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
012.max3.ply.dyn.My_Company.com:1031 (ESTABLISHED)
popper    20859 root    2u  inet 78223085       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
012.max3.ply.dyn.My_Company.com:1031 (ESTABLISHED)
httpd     20860 root    3u  inet 78224893       TCP
virtual.fdlMy_Company.com:www->200-191-168-79-as.acessonet.com.br:1057
(ESTABLISHED)
httpd     20860 root  142u  inet      779       TCP *:www (LISTEN)
proftpd   20866 root    0u  inet 47426796       TCP
virtual.fdlMy_Company.com:ftp->wildone.My_Company.com:1125
(ESTABLISHED)
proftpd   20866 root    1u  inet 47426796       TCP
virtual.fdlMy_Company.com:ftp->wildone.My_Company.com:1125
(ESTABLISHED)
proftpd   20866 root   11u  inet 47427172       TCP
virtual.fdlMy_Company.com:3728->wildone.My_Company.com:1133
(ESTABLISHED)
proftpd   20866 root   12u  inet 47427172       TCP
virtual.fdlMy_Company.com:3728->wildone.My_Company.com:1133
(ESTABLISHED)
popper    20941 root    0u  inet 78223540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
015.max1.rpn.dyn.My_Company.com:1028 (ESTABLISHED)
popper    20941 root    1u  inet 78223540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
015.max1.rpn.dyn.My_Company.com:1028 (ESTABLISHED)
popper    20941 root    2u  inet 78223540       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
015.max1.rpn.dyn.My_Company.com:1028 (ESTABLISHED)
popper    21084 root    0u  inet 78224300       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
013.max3.ply.dyn.My_Company.com:1041 (ESTABLISHED)
popper    21084 root    1u  inet 78224300       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
013.max3.ply.dyn.My_Company.com:1041 (ESTABLISHED)
popper    21084 root    2u  inet 78224300       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
013.max3.ply.dyn.My_Company.com:1041 (ESTABLISHED)
popper    21112 root    0u  inet 78224527       TCP
OriginalServer.fdlMy_Company.com:pop3->208.161.99.110:1481
(ESTABLISHED)
popper    21112 root    1u  inet 78224527       TCP
OriginalServer.fdlMy_Company.com:pop3->208.161.99.110:1481
(ESTABLISHED)
popper    21112 root    2u  inet 78224527       TCP
OriginalServer.fdlMy_Company.com:pop3->208.161.99.110:1481
(ESTABLISHED)
httpd     21152 root    3u  inet 78225047       TCP
virtual.fdlMy_Company.com:www->ppp-093.max1.fdl.dyn.My_Company.com:1028
(ESTABLISHED)
httpd     21152 root  142u  inet      779       TCP *:www (LISTEN)
```

```
httpd     21154 root    3u  inet 78225042       TCP
virtual.fdlMy_Company.com:www->AHost.CarnegieMuseums.Org:2307
(ESTABLISHED)
httpd     21154 root  142u  inet      779       TCP *:www (LISTEN)
httpd     21155 root    3u  inet 78225152       TCP
virtual.fdlMy_Company.com:www->fltg3-ppp10.fltg.net:1118 (ESTABLISHED)
httpd     21155 root  142u  inet      779       TCP *:www (LISTEN)
popper    21160 root    0u  inet 78224900       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
005.max3.nh.dyn.My_Company.com:1026 (ESTABLISHED)
popper    21160 root    1u  inet 78224900       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
005.max3.nh.dyn.My_Company.com:1026 (ESTABLISHED)
popper    21160 root    2u  inet 78224900       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
005.max3.nh.dyn.My_Company.com:1026 (ESTABLISHED)
popper    21175 root    0u  inet 78225003       TCP
OriginalServer.fdlMy_Company.com:pop3->216.183.229.24:2589
(ESTABLISHED)
popper    21175 root    1u  inet 78225003       TCP
OriginalServer.fdlMy_Company.com:pop3->216.183.229.24:2589
(ESTABLISHED)
popper    21175 root    2u  inet 78225003       TCP
OriginalServer.fdlMy_Company.com:pop3->216.183.229.24:2589
(ESTABLISHED)
popper    21175 root    3u  inet 78225127       UDP *:3190
httpd     21182 root  142u  inet      779       TCP *:www (LISTEN)
popper    21184 root    0u  inet 78225061       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
020.max3.nh.dyn.My_Company.com:1452 (ESTABLISHED)
popper    21184 root    1u  inet 78225061       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
020.max3.nh.dyn.My_Company.com:1452 (ESTABLISHED)
popper    21184 root    2u  inet 78225061       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
020.max3.nh.dyn.My_Company.com:1452 (ESTABLISHED)
httpd     21186 root    3u  inet 78225133       TCP
virtual.fdlMy_Company.com:www->stclemens.cpe.dsl.enteract.com:25810
(ESTABLISHED)
httpd     21186 root  142u  inet      779       TCP *:www (LISTEN)
httpd     21187 root    3u  inet 78225147       TCP
virtual.fdlMy_Company.com:www->ppp-036.max1.nh.dyn.My_Company.com:1596
(ESTABLISHED)
httpd     21187 root  142u  inet      779       TCP *:www (LISTEN)
popper    21194 root    0u  inet 78225112       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
017.max1.ply.dyn.My_Company.com:1873 (ESTABLISHED)
popper    21194 root    1u  inet 78225112       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
017.max1.ply.dyn.My_Company.com:1873 (ESTABLISHED)
popper    21194 root    2u  inet 78225112       TCP
OriginalServer.fdlMy_Company.com:pop3->ppp-
017.max1.ply.dyn.My_Company.com:1873 (ESTABLISHED)
httpd     21198 root  142u  inet      779       TCP *:www (LISTEN)
httpd     21200 root  142u  inet      779       TCP *:www (LISTEN)
httpd     21201 root  142u  inet      779       TCP *:www (LISTEN)
```

```
sshd      21208 root    5u  inet 78225184       TCP
OriginalServer.fdlMy_Company.com:ssh-
>LogServer01.fdlMy_Company.com:1022 (ESTABLISHED)
httpd     21213 root  142u  inet      779       TCP *:www (LISTEN)
proftpd   21221 root    0u  inet 40850438       TCP
virtual.fdlMy_Company.com:ftp->209.176.213.125:1727 (CLOSE_WAIT)
proftpd   21221 root    1u  inet 40850438       TCP
virtual.fdlMy_Company.com:ftp->209.176.213.125:1727 (CLOSE_WAIT)
proftpd   21221 root   10u  inet 40858866       TCP
virtual.fdlMy_Company.com:ftp-data->209.176.213.125:1750 (ESTABLISHED)
proftpd   21221 root   11u  inet 40858866       TCP
virtual.fdlMy_Company.com:ftp-data->209.176.213.125:1750 (ESTABLISHED)
proftpd   22523 root    0u  inet 49198932       TCP
virtual.fdlMy_Company.com:ftp->AC86AB2B.ipt.aol.com:1025 (CLOSE_WAIT)
proftpd   22523 root    1u  inet 49198932       TCP
virtual.fdlMy_Company.com:ftp->AC86AB2B.ipt.aol.com:1025 (CLOSE_WAIT)
proftpd   22523 root   10u  inet 49199226       TCP
virtual.fdlMy_Company.com:ftp-data->AC86AB2B.ipt.aol.com:1029
(ESTABLISHED)
proftpd   22523 root   11u  inet 49199226       TCP
virtual.fdlMy_Company.com:ftp-data->AC86AB2B.ipt.aol.com:1029
(ESTABLISHED)
proftpd   22990 root    0u  inet 29331079       TCP
virtual.fdlMy_Company.com:ftp->ppp-046.max1.gl.dyn.My_Company.com:1027
(ESTABLISHED)
proftpd   22990 root    1u  inet 29331079       TCP
virtual.fdlMy_Company.com:ftp->ppp-046.max1.gl.dyn.My_Company.com:1027
(ESTABLISHED)
proftpd   22990 root   11u  inet 29334432       TCP
virtual.fdlMy_Company.com:1573->ppp-046.max1.gl.dyn.My_Company.com:3020
(ESTABLISHED)
proftpd   22990 root   12u  inet 29334432       TCP
virtual.fdlMy_Company.com:1573->ppp-046.max1.gl.dyn.My_Company.com:3020
(ESTABLISHED)
proftpd   26064 root    0u  inet 23918446       TCP
OriginalServer.fdlMy_Company.com:ftp->ip209-183-122-13.ts.indy.net:1132
(CLOSE)
proftpd   26064 root    1u  inet 23918446       TCP
OriginalServer.fdlMy_Company.com:ftp->ip209-183-122-13.ts.indy.net:1132
(CLOSE)
proftpd   26064 root   10u  inet 23918625       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ip209-183-122-
13.ts.indy.net:1136 (ESTABLISHED)
proftpd   26064 root   11u  inet 23918625       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ip209-183-122-
13.ts.indy.net:1136 (ESTABLISHED)
proftpd   27043 root    0u  inet 62293229       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.102:1199 (CLOSE)
proftpd   27043 root    1u  inet 62293229       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.102:1199 (CLOSE)
proftpd   27043 root   11u  inet 62308613       TCP
virtual.fdlMy_Company.com:3684->127.200.221.102:1493 (ESTABLISHED)
proftpd   27043 root   12u  inet 62308613       TCP
virtual.fdlMy_Company.com:3684->127.200.221.102:1493 (ESTABLISHED)
proftpd   28334 root    0u  inet  3724747       TCP
virtual.fdlMy_Company.com:ftp->ppp-109.max1.fdl.dyn.My_Company.com:1620
(ESTABLISHED)
```

```
proftpd   28334 root    1u  inet  3724747       TCP
virtual.fdlMy_Company.com:ftp->ppp-109.max1.fdl.dyn.My_Company.com:1620
(ESTABLISHED)
proftpd   28334 root   10u  inet  3724758       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
109.max1.fdl.dyn.My_Company.com:1621 (ESTABLISHED)
proftpd   28334 root   11u  inet  3724758       TCP
virtual.fdlMy_Company.com:ftp-data->ppp-
109.max1.fdl.dyn.My_Company.com:1621 (ESTABLISHED)
sshd      28492 root    5u  inet 77912492       TCP
OriginalServer.fdlMy_Company.com:ssh->NewWebServer.My_Company.com:2574
(ESTABLISHED)
ssh       28509 root    3u  inet 77912566       TCP
OriginalServer.fdlMy_Company.com:1021-
>LogServer01.fdlMy_Company.com:ssh (ESTABLISHED)
proftpd   29312 root    0u  inet 55159549       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
122.max1.fdl.dyn.My_Company.com:1040 (ESTABLISHED)
proftpd   29312 root    1u  inet 55159549       TCP
OriginalServer.fdlMy_Company.com:ftp->ppp-
122.max1.fdl.dyn.My_Company.com:1040 (ESTABLISHED)
proftpd   29312 root   10u  inet 55170999       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
122.max1.fdl.dyn.My_Company.com:1060 (ESTABLISHED)
proftpd   29312 root   11u  inet 55170999       TCP
OriginalServer.fdlMy_Company.com:ftp-data->ppp-
122.max1.fdl.dyn.My_Company.com:1060 (ESTABLISHED)
proftpd   29855 root    0u  inet 62506129       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.242:3807 (ESTABLISHED)
proftpd   29855 root    1u  inet 62506129       TCP
virtual.fdlMy_Company.com:ftp->127.200.221.242:3807 (ESTABLISHED)
proftpd   29855 root   11u  inet 62522170       TCP
virtual.fdlMy_Company.com:4687->127.200.221.242:4115 (ESTABLISHED)
proftpd   29855 root   12u  inet 62522170       TCP
virtual.fdlMy_Company.com:4687->127.200.221.242:4115 (ESTABLISHED)
proftpd   31584 root    0u  inet   190904       TCP
virtual.fdlMy_Company.com:ftp->206.98.28.34:4800 (CLOSE_WAIT)
proftpd   31584 root    1u  inet   190904       TCP
virtual.fdlMy_Company.com:ftp->206.98.28.34:4800 (CLOSE_WAIT)
proftpd   31584 root   10u  inet   191590       TCP
virtual.fdlMy_Company.com:ftp-data->206.98.28.34:3187 (ESTABLISHED)
proftpd   31584 root   11u  inet   191590       TCP
virtual.fdlMy_Company.com:ftp-data->206.98.28.34:3187 (ESTABLISHED)
proftpd   31937 root    0u  inet 59261873       TCP
OriginalServer.fdlMy_Company.com:ftp->209.83.4.215:1236 (CLOSE)
proftpd   31937 root    1u  inet 59261873       TCP
OriginalServer.fdlMy_Company.com:ftp->209.83.4.215:1236 (CLOSE)
proftpd   31937 root   10u  inet 59277240       TCP
OriginalServer.fdlMy_Company.com:ftp-data->209.83.4.215:1296
(ESTABLISHED)
proftpd   31937 root   11u  inet 59277240       TCP
OriginalServer.fdlMy_Company.com:ftp-data->209.83.4.215:1296
(ESTABLISHED)

NewWebServer
COMMAND    PID   USER   FD   TYPE  DEVICE SIZE NODE NAME
sshd       115   root    3u  IPv4      97       TCP *:ssh (LISTEN)
```

```
xntpd      122   root    4u  IPv4     119       UDP *:ntp
xntpd      122   root    5u  IPv4     120       UDP localhost:ntp
xntpd      122   root    6u  IPv4     121       UDP
NewWebServer.My_Company.com:ntp
xntpd      122   root    7u  IPv4     122       UDP ftp.adci.com:ntp
xntpd      122   root    8u  IPv4     123       UDP
ftp.somemapcom.com:ntp
xinetd     145   root    3u  IPv4     158       TCP *:pop3 (LISTEN)
xinetd     145   root    5u  IPv4     159       UDP *:discard
xinetd     145   root    6u  IPv4     160       TCP *:telnet (LISTEN)
xinetd     145   root    7u  IPv4     161       UDP *:daytime
xinetd     145   root    8u  IPv4     162       UDP *:time
mysqld     156   root    3u  IPv4     166       TCP *:3306 (LISTEN)
mysqld     158   root    3u  IPv4     166       TCP *:3306 (LISTEN)
mysqld     159   root    3u  IPv4     166       TCP *:3306 (LISTEN)
sendmail   162   root    4u  IPv4     190       TCP *:smtp (LISTEN)
httpd      167   root   99u  IPv4     760       TCP *:www (LISTEN)
httpsd     212   root   15u  IPv4     832       TCP *:443 (LISTEN)
named      370   root    3u  IPv4 5185423       UDP *:3199
named      370   root   20u  IPv4 5097538       UDP localhost:domain
named      370   root   21u  IPv4 5097539       TCP localhost:domain
(LISTEN)
named      370   root   22u  IPv4 5097540       UDP
NewWebServer.My_Company.com:domain
named      370   root   23u  IPv4 5097541       TCP
NewWebServer.My_Company.com:domain (LISTEN)
named      370   root   24u  IPv4 5097542       UDP ftp.adci.com:domain
named      370   root   25u  IPv4 5097543       TCP ftp.adci.com:domain
(LISTEN)
named      370   root   26u  IPv4 5097544       UDP
ftp.somemapcom.com:domain
named      370   root   27u  IPv4 5097545       TCP
ftp.somemapcom.com:domain (LISTEN)
named      370   root   28u  IPv4 5097546       UDP
ftp.anothercustomer.com:domain
named      370   root   29u  IPv4 5097547       TCP
ftp.anothercustomer.com:domain (LISTEN)
proftpd   3335   root    0u  IPv4 2772454       TCP *:ftp (LISTEN)
sshd      7429   root    5u  IPv4 5147377       TCP
NewWebServer.My_Company.com:ssh->host-
058.corp.My_Company.com.205.127.216.IN-ADDR.ARPA:667 (ESTABLISHED)
ssh       7441 mgauth    3u  IPv4 5147406       TCP
NewWebServer.My_Company.com:2537->OriginalServer.fdlMy_Company.com:ssh
(ESTABLISHED)
sshd      8403   root    5u  IPv4 5156599       TCP
NewWebServer.My_Company.com:ssh->host-
058.corp.My_Company.com.205.127.216.IN-ADDR.ARPA:1012 (ESTABLISHED)
ssh       8415 mgauth    3u  IPv4 5156638       TCP
NewWebServer.My_Company.com:2574->OriginalServer.fdlMy_Company.com:ssh
(ESTABLISHED)
httpsd   10569   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10570   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10571   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10572   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10891   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10893   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   10894   root   15u  IPv4     832       TCP *:443 (LISTEN)
```

```
httpd    11550   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11551   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11552   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11553   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11554   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11561   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11566   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11568   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11570   root   99u  IPv4     760       TCP *:www (LISTEN)
httpd    11571   root   99u  IPv4     760       TCP *:www (LISTEN)
sshd     11676   root    5u  IPv4 5186247       TCP
NewWebServer.My_Company.com:ssh->LogServer01.fdlMy_Company.com:1023
(ESTABLISHED)
httpsd   20754   root   15u  IPv4     832       TCP *:443 (LISTEN)
httpsd   20757   root   15u  IPv4     832       TCP *:443 (LISTEN)

MailServer01
COMMAND     PID USER   FD   TYPE   DEVICE SIZE NODE NAME
sshd        116 root    3u  IPv4       99       TCP *:ssh (LISTEN)
xntpd       123 root    4u  IPv4      130       UDP *:ntp
xntpd       123 root    5u  IPv4      131       UDP localhost:ntp
xntpd       123 root    6u  IPv4      132       UDP
MailServer01.My_Company.com:ntp
xntpd       123 root    7u  IPv4      133       UDP
MailServer01.fdlMy_Company.com:ntp
xntpd       123 root    8u  IPv4      134       UDP 192.168.0.23:ntp
rpc.portm   127 root    3u  IPv4      127       UDP *:sunrpc
rpc.portm   127 root    4u  IPv4      128       TCP *:sunrpc (LISTEN)
rpc.mount   129 root    4u  IPv4      145       UDP *:730
rpc.mount   129 root    5u  IPv4      150       TCP *:733 (LISTEN)
rpc.nfsd    132 root    4u  IPv4      163       UDP *:2049
rpc.nfsd    132 root    5u  IPv4      166       TCP *:2049 (LISTEN)
xinetd      152 root    3u  IPv4      218       TCP *:mailstats
(LISTEN)
xinetd      152 root    4u  IPv4      219       TCP *:pop3 (LISTEN)
xinetd      152 root    5u  IPv4      220       UDP *:discard
xinetd      152 root    6u  IPv4      221       TCP *:telnet (LISTEN)
xinetd      152 root    7u  IPv4      222       UDP *:daytime
xinetd      152 root    8u  IPv4      223       UDP *:time
sendmail    952 root   11u  IPv4 30143618       TCP
MailServer01.My_Company.com:3199->196.3.64.6:smtp (SYN_SENT)
sendmail   2121 root   11u  IPv4 30147197       TCP
MailServer01.My_Company.com:3414->63.214.2.93:smtp (SYN_SENT)
sendmail   2799 root   11u  IPv4 30139237       TCP
MailServer01.My_Company.com:2941->204.176.182.122:smtp (SYN_SENT)
sendmail   3886 root   11u  IPv4 30147551       TCP
MailServer01.My_Company.com:3442->206.10.25.251:smtp (SYN_SENT)
sendmail   4750 root   11u  IPv4 30151222       TCP
MailServer01.My_Company.com:3663->200.127.0.3:smtp (SYN_SENT)
sendmail   4750 root   13u  IPv4 30150027       TCP
MailServer01.My_Company.com:3591->c.mx.execpc.com:smtp (ESTABLISHED)
sendmail   4750 root   14u  IPv4 30150027       TCP
MailServer01.My_Company.com:3591->c.mx.execpc.com:smtp (ESTABLISHED)
sendmail   5051 root    1u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
```

```
sendmail   5051 root    3u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
sendmail   5051 root    5u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
sendmail   5055 root    1u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
sendmail   5055 root    3u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
sendmail   5055 root    5u  IPv4 30063796       TCP
MailServer01.My_Company.com:smtp->ppp-
013.max1.rpn.dyn.My_Company.com:1133 (ESTABLISHED)
sendmail   5296 root   11u  IPv4 30149100       TCP
MailServer01.My_Company.com:3525->199.201.120.1:smtp (SYN_SENT)
sendmail   6576 root   11u  IPv4 30138498       TCP
MailServer01.My_Company.com:2904->co.ozaukee.wi.us:smtp (CLOSE_WAIT)
sendmail   6576 root   12u  IPv4 30138498       TCP
MailServer01.My_Company.com:2904->co.ozaukee.wi.us:smtp (CLOSE_WAIT)
sendmail   6576 root   13u  IPv4 30138568       TCP
MailServer01.My_Company.com:2908->196.3.64.6:smtp (SYN_SENT)
sendmail   6850 root   11u  IPv4 30142201       TCP
MailServer01.My_Company.com:3089->172.173.224.16:smtp (SYN_SENT)
sendmail   7794 root    1u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   7794 root    3u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   7794 root    5u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   7810 root    1u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   7810 root    3u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   7810 root    5u  IPv4 30082497       TCP
MailServer01.My_Company.com:smtp->ppp-
049.max1.rpn.dyn.My_Company.com:1100 (ESTABLISHED)
sendmail   8163 root   11u  IPv4 30138014       TCP
MailServer01.My_Company.com:2874->co.ozaukee.wi.us:smtp (CLOSE_WAIT)
sendmail   8163 root   12u  IPv4 30138014       TCP
MailServer01.My_Company.com:2874->co.ozaukee.wi.us:smtp (CLOSE_WAIT)
sendmail   8163 root   13u  IPv4 30135333       TCP
MailServer01.My_Company.com:2703->mta-v14.mail.yahoo.com:smtp
(CLOSE_WAIT)
sendmail   8163 root   14u  IPv4 30135333       TCP
MailServer01.My_Company.com:2703->mta-v14.mail.yahoo.com:smtp
(CLOSE_WAIT)
sendmail   8163 root   15u  IPv4 30138055       TCP
MailServer01.My_Company.com:2877->mag.My_Company.com:smtp (SYN_SENT)
```

```
sendmail   9565 root    3u  IPv4 30143298       TCP
MailServer01.My_Company.com:3177->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail   9794 root   11u  IPv4 30140336       TCP
MailServer01.My_Company.com:2993->futuresite.register.com:smtp
(SYN_SENT)
sendmail   9855 root    3u  IPv4 30140214       TCP
MailServer01.My_Company.com:2988->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  10616 root    3u  IPv4 30145110       TCP
MailServer01.My_Company.com:3289->mx-b-rwc.mail.home.com:smtp
(SYN_SENT)
sendmail  10766 root    3u  IPv4 30149786       TCP
MailServer01.My_Company.com:3576->mta-v11.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  11035 root    3u  IPv4 30148164       TCP
MailServer01.My_Company.com:3488->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  11173 root   11u  IPv4 30149480       TCP
MailServer01.My_Company.com:3555->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  11211 root    1u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  11211 root    3u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  11211 root    5u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  11213 root    1u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  11213 root    3u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  11213 root    5u  IPv4 30105389       TCP
MailServer01.My_Company.com:smtp->ppp-
015.max1.rpn.dyn.My_Company.com:1051 (ESTABLISHED)
sendmail  12042 root    3u  IPv4 30144174       TCP
MailServer01.My_Company.com:3221->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  12800 root   11u  IPv4 30145969       TCP
MailServer01.My_Company.com:3345->gw2.tcusa.com:smtp (ESTABLISHED)
sendmail  12800 root   12u  IPv4 30145969       TCP
MailServer01.My_Company.com:3345->gw2.tcusa.com:smtp (ESTABLISHED)
sendmail  12800 root   13u  IPv4 30145995       TCP
MailServer01.My_Company.com:3346->leusps01.landsend.com:smtp (SYN_SENT)
sendmail  13153 root    3u  IPv4 30143563       TCP
MailServer01.My_Company.com:3195->mta-v11.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  13157 root    3u  IPv4 30147823       TCP
MailServer01.My_Company.com:3465->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  13311 root    3u  IPv4 30149461       TCP
MailServer01.My_Company.com:3552->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
```

```
sendmail  13395 root    3u  IPv4 30149739       TCP
MailServer01.My_Company.com:3573->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  14254 root    3u  IPv4 30141716       TCP
MailServer01.My_Company.com:3053->mta-v11.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  14358 root   11u  IPv4 30150017       TCP
MailServer01.My_Company.com:3590->isc.freei.net:smtp (ESTABLISHED)
sendmail  14358 root   12u  IPv4 30150017       TCP
MailServer01.My_Company.com:3590->isc.freei.net:smtp (ESTABLISHED)
sendmail  14358 root   13u  IPv4 30150763       TCP
MailServer01.My_Company.com:3641->ntfvtd.fvtd.com:smtp (SYN_SENT)
sendmail  14512 root    3u  IPv4 30143447       TCP
MailServer01.My_Company.com:3186->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  14620 root   11u  IPv4 30145158       TCP
MailServer01.My_Company.com:3294->mxpool01.netaddress.usa.net:smtp
(CLOSE_WAIT)
sendmail  14620 root   12u  IPv4 30145158       TCP
MailServer01.My_Company.com:3294->mxpool01.netaddress.usa.net:smtp
(CLOSE_WAIT)
sendmail  14620 root   13u  IPv4 30145228       TCP
MailServer01.My_Company.com:3299->mta-v9.mail.yahoo.com:smtp (SYN_SENT)
sendmail  14716 root   11u  IPv4 30143184       TCP
MailServer01.My_Company.com:3168->mail.peshtigotimes.com:smtp
(SYN_SENT)
sendmail  15187 root    3u  IPv4 30146249       TCP
MailServer01.My_Company.com:3360->mta-v9.mail.yahoo.com:smtp (SYN_SENT)
sendmail  15303 root    3u  IPv4 30146294       TCP
MailServer01.My_Company.com:3364->mta-v9.mail.yahoo.com:smtp (SYN_SENT)
sendmail  15574 root    3u  IPv4 30148009       TCP
MailServer01.My_Company.com:3478->mx-f-rwc.mail.home.com:smtp
(SYN_SENT)
sendmail  15574 root   13u  IPv4 30147838       TCP
MailServer01.My_Company.com:3468->red1.netwurx.net:smtp (ESTABLISHED)
sendmail  15574 root   14u  IPv4 30147838       TCP
MailServer01.My_Company.com:3468->red1.netwurx.net:smtp (ESTABLISHED)
sendmail  15574 root   15u  IPv4 30147962       TCP
MailServer01.My_Company.com:3475->mail.nconnect.net:smtp (ESTABLISHED)
sendmail  15574 root   16u  IPv4 30147962       TCP
MailServer01.My_Company.com:3475->mail.nconnect.net:smtp (ESTABLISHED)
sendmail  15579 root    1u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
sendmail  15579 root    3u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
sendmail  15579 root    5u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
sendmail  15602 root    3u  IPv4 30147714       TCP
MailServer01.My_Company.com:3456->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  15609 root    1u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
```

```
sendmail  15609 root    3u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
sendmail  15609 root    5u  IPv4 30134171       TCP
MailServer01.My_Company.com:smtp->ppp-
099.max1.fdl.dyn.My_Company.com:1806 (ESTABLISHED)
sendmail  15652 root    3u  IPv4 30148210       TCP
MailServer01.My_Company.com:3493->mta-v13.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  15693 root    3u  IPv4 30148388       TCP
MailServer01.My_Company.com:3499->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  15742 root    3u  IPv4 30148758       TCP
MailServer01.My_Company.com:3523->mta-v5.mail.yahoo.com:smtp
(ESTABLISHED)
sendmail  15742 root   10u  IPv4 30148758       TCP
MailServer01.My_Company.com:3523->mta-v5.mail.yahoo.com:smtp
(ESTABLISHED)
sendmail  15931 root    3u  IPv4 30150235       TCP
MailServer01.My_Company.com:3604->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  16237 root    3u  IPv4 30138042       TCP
MailServer01.My_Company.com:2876->mta-v14.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  16476 root   11u  IPv4 30148546       TCP
MailServer01.My_Company.com:3511->mag.My_Company.com:smtp (SYN_SENT)
sendmail  16482 root    3u  IPv4 30139995       TCP
MailServer01.My_Company.com:2972->mta-v13.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  16486 root    3u  IPv4 30145029       TCP
MailServer01.My_Company.com:3282->mta-v9.mail.yahoo.com:smtp (SYN_SENT)
sendmail  16591 root    1u  IPv4 30140765       TCP
MailServer01.My_Company.com:smtp->m28.boston.juno.com:57950
(ESTABLISHED)
sendmail  16591 root    3u  IPv4 30140765       TCP
MailServer01.My_Company.com:smtp->m28.boston.juno.com:57950
(ESTABLISHED)
sendmail  16591 root    5u  IPv4 30140765       TCP
MailServer01.My_Company.com:smtp->m28.boston.juno.com:57950
(ESTABLISHED)
sendmail  16609 root    3u  IPv4 30141195       TCP
MailServer01.My_Company.com:3019->mta-v13.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  16668 root    1u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  16668 root    3u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  16668 root    5u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  16738 root    1u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
```

```
sendmail  16738 root    3u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
sendmail  16738 root    5u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
sendmail  16739 root    1u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
sendmail  16739 root    3u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
sendmail  16739 root    5u  IPv4 30141996       TCP
MailServer01.My_Company.com:smtp->ppp-
392.max1.fdl.dyn.My_Company.com:1045 (ESTABLISHED)
sendmail  16897 root    6u  IPv4 30144728       TCP
MailServer01.My_Company.com:3254->mailsorter-
101.iap.bryant.webtv.net:smtp (SYN_SENT)
sendmail  16897 root   13u  IPv4 30144292       TCP
MailServer01.My_Company.com:3232->smtpin2.tivoli.com:smtp (ESTABLISHED)
sendmail  16897 root   14u  IPv4 30144292       TCP
MailServer01.My_Company.com:3232->smtpin2.tivoli.com:smtp (ESTABLISHED)
sendmail  16897 root   15u  IPv4 30144332       TCP
MailServer01.My_Company.com:3234->hoidartr.gbonline.com:smtp
(ESTABLISHED)
sendmail  16897 root   16u  IPv4 30144332       TCP
MailServer01.My_Company.com:3234->hoidartr.gbonline.com:smtp
(ESTABLISHED)
sendmail  17678 root    1u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  17678 root    3u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  17678 root    5u  IPv4 30141542       TCP
MailServer01.My_Company.com:smtp->ppp-
223.max1.fdl.dyn.My_Company.com:1029 (ESTABLISHED)
sendmail  17770 root    1u  IPv4 30148525       TCP
MailServer01.My_Company.com:smtp->smtp1.mailbits.com:16547
(ESTABLISHED)
sendmail  17770 root    3u  IPv4 30148525       TCP
MailServer01.My_Company.com:smtp->smtp1.mailbits.com:16547
(ESTABLISHED)
sendmail  17770 root    5u  IPv4 30148525       TCP
MailServer01.My_Company.com:smtp->smtp1.mailbits.com:16547
(ESTABLISHED)
sendmail  17809 root    1u  IPv4 30148716       TCP
MailServer01.My_Company.com:smtp->ppp-
048.max1.nh.dyn.My_Company.com:2074 (ESTABLISHED)
sendmail  17809 root    3u  IPv4 30148716       TCP
MailServer01.My_Company.com:smtp->ppp-
048.max1.nh.dyn.My_Company.com:2074 (ESTABLISHED)
sendmail  17809 root    5u  IPv4 30148716       TCP
MailServer01.My_Company.com:smtp->ppp-
048.max1.nh.dyn.My_Company.com:2074 (ESTABLISHED)
sendmail  17826 root   13u  IPv4 30149165       TCP
MailServer01.My_Company.com:3532->mta.excite.com:smtp (ESTABLISHED)
```

```
sendmail  17826 root   14u  IPv4 30149165       TCP
MailServer01.My_Company.com:3532->mta.excite.com:smtp (ESTABLISHED)
sendmail  17826 root   15u  IPv4 30149184       TCP
MailServer01.My_Company.com:3535->red1.netwurx.net:smtp (ESTABLISHED)
sendmail  17826 root   16u  IPv4 30149184       TCP
MailServer01.My_Company.com:3535->red1.netwurx.net:smtp (ESTABLISHED)
sendmail  17828 root    3u  IPv4 30149156       TCP
MailServer01.My_Company.com:3530->mta-v12.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  17872 root    3u  IPv4 30149707       TCP
MailServer01.My_Company.com:3571->mta-v13.mail.yahoo.com:smtp
(SYN_SENT)
sendmail  17897 root   11u  IPv4 30145340       TCP
MailServer01.My_Company.com:3304->216.102.246.27:smtp (SYN_SENT)
sendmail  17913 root   11u  IPv4 30149626       TCP
MailServer01.My_Company.com:3565->196.3.64.6:smtp (SYN_SENT)
sendmail  17917 root    1u  IPv4 30149636       TCP
MailServer01.My_Company.com:smtp->teamfat2.dsl.aros.net:4738
(ESTABLISHED)
sendmail  17917 root    3u  IPv4 30149636       TCP
MailServer01.My_Company.com:smtp->teamfat2.dsl.aros.net:4738
(ESTABLISHED)
sendmail  17917 root    5u  IPv4 30149636       TCP
MailServer01.My_Company.com:smtp->teamfat2.dsl.aros.net:4738
(ESTABLISHED)
sendmail  17970 root    1u  IPv4 30149940       TCP
MailServer01.My_Company.com:smtp->newidea.atis.net:3774 (ESTABLISHED)
sendmail  17970 root    3u  IPv4 30149940       TCP
MailServer01.My_Company.com:smtp->newidea.atis.net:3774 (ESTABLISHED)
sendmail  17970 root    5u  IPv4 30149940       TCP
MailServer01.My_Company.com:smtp->newidea.atis.net:3774 (ESTABLISHED)
sendmail  18026 root    3u  IPv4 30150422       TCP
MailServer01.My_Company.com:3619->196.3.64.6:smtp (SYN_SENT)
sendmail  18061 root    3u  IPv4 30150601       TCP
MailServer01.My_Company.com:smtp->195.17.107.95:3357 (ESTABLISHED)
sendmail  18061 root    5u  IPv4 30150601       TCP
MailServer01.My_Company.com:smtp->195.17.107.95:3357 (ESTABLISHED)
sendmail  18061 root    6u  IPv4 30150619       TCP
MailServer01.My_Company.com:3631->195.17.107.95:auth (SYN_SENT)
sendmail  18062 root    1u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18062 root    3u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18062 root    5u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18065 root    1u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
sendmail  18065 root    3u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
sendmail  18065 root    5u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
```

```
sendmail  18068 root    1u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
sendmail  18068 root    3u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
sendmail  18068 root    5u  IPv4 30150620       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1780
(ESTABLISHED)
sendmail  18080 root    1u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18080 root    3u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18080 root    5u  IPv4 30150605       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1764
(ESTABLISHED)
sendmail  18081 root    1u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
sendmail  18081 root    3u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
sendmail  18081 root    5u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
sendmail  18084 root    3u  IPv4 30150721       TCP
MailServer01.My_Company.com:smtp->c012-h018.c012.sfo.cp.net:61933
(ESTABLISHED)
sendmail  18084 root    5u  IPv4 30150721       TCP
MailServer01.My_Company.com:smtp->c012-h018.c012.sfo.cp.net:61933
(ESTABLISHED)
sendmail  18084 root    6u  IPv4 30150728       TCP
MailServer01.My_Company.com:3638->c012-h018.c012.sfo.cp.net:auth
(SYN_SENT)
sendmail  18090 root    1u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18090 root    3u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18090 root    5u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18095 root    1u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18095 root    3u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18095 root    5u  IPv4 30150774       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:3851 (ESTABLISHED)
sendmail  18096 root    1u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
```

```
sendmail  18096 root    3u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
sendmail  18096 root    5u  IPv4 30150696       TCP
MailServer01.My_Company.com:smtp->web902.mail.yahoo.com:1779
(ESTABLISHED)
sendmail  18101 root    1u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18101 root    3u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18101 root    5u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18110 root    1u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18110 root    3u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18110 root    5u  IPv4 30150835       TCP
MailServer01.My_Company.com:smtp->ppp-
083.max1.gl.dyn.My_Company.com:1230 (ESTABLISHED)
sendmail  18125 root    3u  IPv4 30150971       TCP
MailServer01.My_Company.com:smtp->mail.sriw.be:1508 (ESTABLISHED)
sendmail  18125 root    5u  IPv4 30150971       TCP
MailServer01.My_Company.com:smtp->mail.sriw.be:1508 (ESTABLISHED)
sendmail  18125 root    6u  IPv4 30151208       UDP
MailServer01.My_Company.com:1640->ns1.My_Company.com:domain
sendmail  18137 root    1u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18137 root    3u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18137 root    5u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18150 root    3u  IPv4 30151113       TCP
MailServer01.My_Company.com:smtp->outmta006.topica.com:65415
(ESTABLISHED)
sendmail  18150 root    5u  IPv4 30151113       TCP
MailServer01.My_Company.com:smtp->outmta006.topica.com:65415
(ESTABLISHED)
sendmail  18150 root    6u  IPv4 30151121       TCP
MailServer01.My_Company.com:3660->outmta006.topica.com:auth (SYN_SENT)
sendmail  18153 root    1u  IPv4 30151142       TCP
MailServer01.My_Company.com:smtp->serak.svc.tds.net:43196 (ESTABLISHED)
sendmail  18153 root    3u  IPv4 30151142       TCP
MailServer01.My_Company.com:smtp->serak.svc.tds.net:43196 (ESTABLISHED)
sendmail  18153 root    5u  IPv4 30151142       TCP
MailServer01.My_Company.com:smtp->serak.svc.tds.net:43196 (ESTABLISHED)
sendmail  18170 root    3u  IPv4 30151250       TCP
MailServer01.My_Company.com:smtp->LogServer01.fdlMy_Company.com:4526
(ESTABLISHED)
```

```
sendmail  18170 root    5u  IPv4 30151250       TCP
MailServer01.My_Company.com:smtp->LogServer01.fdlMy_Company.com:4526
(ESTABLISHED)
sendmail  18170 root    6u  IPv4 30151256       TCP
MailServer01.My_Company.com:3664->LogServer01.fdlMy_Company.com:auth
(SYN_SENT)
sshd      18173 root    5u  IPv4 30151267       TCP
MailServer01.My_Company.com:ssh->LogServer01.fdlMy_Company.com:1020
(ESTABLISHED)
sendmail  18174 root    3u  IPv4 30151271       TCP
MailServer01.My_Company.com:smtp->LogServer01.fdlMy_Company.com:4527
(ESTABLISHED)
sendmail  18174 root    5u  IPv4 30151271       TCP
MailServer01.My_Company.com:smtp->LogServer01.fdlMy_Company.com:4527
(ESTABLISHED)
sendmail  18174 root    6u  IPv4 30151280       TCP
MailServer01.My_Company.com:3665->LogServer01.fdlMy_Company.com:auth
(SYN_SENT)
sendmail  18175 root    1u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18175 root    3u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18175 root    5u  IPv4 30151044       TCP
MailServer01.My_Company.com:smtp->imo-d10.mx.aol.com:44742
(ESTABLISHED)
sendmail  18176 root    3u  IPv4 30151286       TCP
MailServer01.My_Company.com:smtp->imo-d02.mx.aol.com:59216
(ESTABLISHED)
sendmail  18176 root    5u  IPv4 30151286       TCP
MailServer01.My_Company.com:smtp->imo-d02.mx.aol.com:59216
(ESTABLISHED)
sendmail  18176 root    6u  IPv4 30151292       TCP
MailServer01.My_Company.com:3666->imo-d02.mx.aol.com:auth (SYN_SENT)
sendmail  19585 root   11u  IPv4 30147096       TCP
MailServer01.My_Company.com:3407->www.itsyourdomain.com:smtp (SYN_SENT)
sendmail  21250 root    3u  IPv4 24653214       TCP *:smtp (LISTEN)
sendmail  21499 root   11u  IPv4 30144533       TCP
MailServer01.My_Company.com:3244->isc.freei.net:smtp (ESTABLISHED)
sendmail  21499 root   12u  IPv4 30144533       TCP
MailServer01.My_Company.com:3244->isc.freei.net:smtp (ESTABLISHED)
sendmail  21499 root   13u  IPv4 30144723       TCP
MailServer01.My_Company.com:3253->futuresite.register.com:smtp
(SYN_SENT)
sendmail  23970 root   11u  IPv4 30141502       TCP
MailServer01.My_Company.com:3038->216.102.246.27:smtp (SYN_SENT)
named     27647 root    3u  IPv4 28371188       UDP *:2118
named     27647 root   20u  IPv4 28371180       UDP localhost:domain
named     27647 root   21u  IPv4 28371181       TCP localhost:domain
(LISTEN)
named     27647 root   22u  IPv4 28371182       UDP
MailServer01.My_Company.com:domain
named     27647 root   23u  IPv4 28371183       TCP
MailServer01.My_Company.com:domain (LISTEN)
named     27647 root   24u  IPv4 28371184       UDP
MailServer01.fdlMy_Company.com:domain
```

```
named     27647 root   25u  IPv4 28371185       TCP
MailServer01.fdlMy_Company.com:domain (LISTEN)
named     27647 root   26u  IPv4 28371186       UDP 192.168.0.23:domain
named     27647 root   27u  IPv4 28371187       TCP 192.168.0.23:domain
(LISTEN)
sendmail  27952 root    1u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  27952 root    3u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  27952 root    5u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  28028 root    1u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  28028 root    3u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  28028 root    5u  IPv4 30004839       TCP
MailServer01.My_Company.com:smtp->ppp-
062.max1.rpn.dyn.My_Company.com:1180 (ESTABLISHED)
sendmail  30661 root    1u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30661 root    3u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30661 root    5u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30671 root    1u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30671 root    3u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30671 root    5u  IPv4 30019583       TCP
MailServer01.My_Company.com:smtp->ppp-
076.max1.rpn.dyn.My_Company.com:1189 (ESTABLISHED)
sendmail  30715 root   11u  IPv4 30143170       TCP
MailServer01.My_Company.com:3166->216.102.246.27:smtp (SYN_SENT)
sendmail  30823 root    1u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
sendmail  30823 root    3u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
sendmail  30823 root    5u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
sendmail  30833 root    1u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
```

```
sendmail  30833 root    3u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
sendmail  30833 root    5u  IPv4 30020454       TCP
MailServer01.fdlMy_Company.com:smtp-
>OriginalServer.fdlMy_Company.com:2186 (ESTABLISHED)
sendmail  31528 root   11u  IPv4 25180766       TCP
MailServer01.My_Company.com:2707->jax-mail01.firstunion.com:smtp
(ESTABLISHED)
sendmail  31576 root    1u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  31576 root    3u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  31576 root    5u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  31588 root    1u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  31588 root    3u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  31588 root    5u  IPv4 30025189       TCP
MailServer01.My_Company.com:smtp->6.47.228.206.in-addr.arpa:3316
(ESTABLISHED)
sendmail  32172 root    1u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)
sendmail  32172 root    3u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)
sendmail  32172 root    5u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)
sendmail  32182 root    1u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)
sendmail  32182 root    3u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)
sendmail  32182 root    5u  IPv4 30028974       TCP
MailServer01.My_Company.com:smtp->www.ufsdata.com:9243 (ESTABLISHED)

LogServer01
COMMAND     PID USER   FD   TYPE   DEVICE SIZE NODE NAME
rpc.portm    91 root    3u  inet       34       UDP *:sunrpc
rpc.portm    91 root    4u  inet       35       TCP *:sunrpc (LISTEN)
syslogd      96 root    1u  inet       39       UDP *:syslog
xntpd       127 root    4u  inet       77       UDP *:ntp
xntpd       127 root    5u  inet       78       UDP localhost:ntp
xntpd       127 root    6u  inet       79       UDP
LogServer01.fdlMy_Company.com:ntp
rpc.rstat   144 root    3u  inet       96       UDP *:748
rpc.rstat   144 root    4u  inet      105       TCP *:753 (LISTEN)
ssh        3198 root    3u  inet 13903047       TCP
LogServer01.fdlMy_Company.com:1021-
>OriginalServer.fdlMy_Company.com:ssh (ESTABLISHED)
httpsd     3396 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd     3396 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd     3397 root   15u  inet    91978       TCP *:ssl (LISTEN)
```

```
httpsd     3397 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd     4169 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd     4169 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd     6282 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd     6282 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd    11309 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd    11309 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd    11933 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd    11933 root   16u  inet    91979       TCP *:www (LISTEN)
xinetd    14468 root    3u  inet  1921754       TCP *:shell (LISTEN)
httpsd    15658 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd    15658 root   16u  inet    91979       TCP *:www (LISTEN)
httpsd    15659 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd    15659 root   16u  inet    91979       TCP *:www (LISTEN)
sshd      24104 root    7u  inet 13842206       TCP
LogServer01.fdlMy_Company.com:ssh-
>OriginalServer.fdlMy_Company.com:1022 (ESTABLISHED)
sshd      24880 root    3u  inet  3846147       TCP *:ssh (LISTEN)
sshd      27489 root    7u  inet 13859703       TCP
LogServer01.fdlMy_Company.com:ssh-
>OriginalServer.fdlMy_Company.com:1021 (ESTABLISHED)
httpsd    31565 root   15u  inet    91978       TCP *:ssl (LISTEN)
httpsd    31565 root   16u  inet    91979       TCP *:www (LISTEN)
```

Last Updated: July 24th, 2017

Upcoming Training

SANS Network Security 2017	**Las Vegas, NV**	**Sep 10, 2017 - Sep 17, 2017**	**Live Event**
SANS OnDemand	**Online**	**Anytime**	**Self Paced**
SANS SelfStudy	**Books & MP3s Only**	**Anytime**	**Self Paced**