

THIS IS ONE INCIDENT 29 PAGES

INCIDENT A1010.1

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Report Date: 10 Oct 96
Name:
Command: Various
Phone (COMM):
Phone (DSN):
E-Mail: @rock.Mines.EDU
Type: original report
Suspect IP:
Victim IP:
Port/Service: telnet port 23 (sendmail)
Incident Date: 07 Oct 96
NCIS Case #:
Case Status: closed
By:
Notes:

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From @rock.Mines.EDU Thu Oct 10 15:54:54 1996
Date: Thu, 10 Oct 1996 13:22:50 -0600
From: @rock.Mines.EDU>
To: navcirt@fiwc.navy.mil
Subject: baby_doe.mines.edu probes

Hi Folks -

Well, barf, it looks like my message was truncated. So, I'll try again.

We have a system here (baby_doe.mines.edu) that had root compromised and went on a search mission for other systems. We've gotten several responses from those that were probed for potential entry points and I'm sure that you've seen some of those or will be contacted by others about them. The probes occurred between ~8:30pm MDT on 10/7/96 and ~6:30am MDT on 10/8/96. The lair has been tracked down and we have the logs, software, and target names of the probe. It looks like it mostly probed for the following:

- SMTP - vrfy guest, decode, bbs, lp, decode, uudecode, majordom
enter debug & wiz
FTP availability
RPC: ypserv, mount, name, boot, selec, rexd, rusers, ypupdated, pcnfsd, rstatd, ypbind, keyserv
HTTPD: cgi
NFS: mounts
POPPER:

It mostly looked like it was looking for entries rather than exploiting them at this time. We have tried to cleanse the machine, but are unsure

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how they got in. We do know that they replaced login, netstat, ifconf ig, and ps once they were in. We are currently filtering packets destined for that machine (and a cohort machine) from the the Internet. Hopefully, this will put a bandaid on everything until we can deal with it.

It appears that the breakin came from [redacted] ac.uk. We have some droppings pointing at this - an ftp log for a non-existent user. I am including a mail message from [redacted] who is doing most of the scouting around for evidence. In addition, I am including the list of sites that were probed. The names look like security people to us (some mail list?) since several of the targeted people were those who actually sent mail to us saying that they were p robed.

We intend to send a message to all those on the list saying that their site was on the list. In addition, we can, if you think advisable, send th e result of the probe. We would welcome any advice that you would like to send our way. In addition, if we can help you, please let us know how

Thanks -

[redacted]

=====
Mail message from [redacted]
=====

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>From [redacted] basalt.Mines.EDU Wed Oct 9 15:11:53 1996
Date: Wed, 9 Oct 1996 15:06:58 -0600
From: [redacted] basalt.Mines.EDU
Message-Id: <199610092106.PAA00469@basalt.Mines.EDU>
To: [redacted]@slate.Mines.EDU
Cc: [redacted]@slate.Mines.EDU
Subject: hacker
Reply-To: [redacted]@slate.Mines.EDU

[redacted], [redacted]

There is a core file in baby_doe:/var/spool/mqueue t' at was dumped during the hack on baby_doe. In it there appears t' following name:

[redacted]@cyberspace.org

I fingered same, and he happened to be logged on at that moment from

143.53.38.51

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I did an nslookup on the latter, and it was

[redacted].ac.uk

which is the site that showed up as an ftp just prior to the building of the nest, and captured in the hacked login's logfile.dat as several logins during the hack.

I think this is our hacker.

[redacted]

-----details begin

```
baby_doe$ pwd
/var/spool/mqueue
baby_doe$ ls -l core
-rw-r--r-- 1 root      8507824 Oct  7 20:40 core
```

```
slate156> finger alan1@cyberspace.org
[cyberspace.org]
Login: alan1
Directory: /u/[redacted]
On since Wed Oct  9 16:46 (EST) on ttyq8 from 143.53.38.51
No unread mail
No Plan.
```

Name: [redacted]
Shell: /bin/csh

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```
slate160> nslookup 143.53.38.51
Name: [redacted].ac.uk
Address: [redacted]
```

```
slate164> nslookup cyberspace.com
Name: cyberspace.com
Address: [redacted]
```

On baby_doe, "strings /var/spool/mqueue/core" ends with (PWD was the nest):

```
baby_doe.mines.edu.mines.edu
send-mail
alan1@cyberspace.org
HOME=/
LOGNAME=
PATH=/usr/local/bin:/bin:/usr/bin:/usr/ucb:/etc:/usr/etc:.
PWD=/usr/include/rpc/.. /scan
SHELL=/bin/csh
TERM=vt102
USER=
```

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\nfo
sendmail

-----details end

=====
The list of targeted sites
=====

0085P%NAVPGS.BITNET@cmsa.Berkeley.EDU

[redacted]@bnr.co.uk

[redacted]qm.sri.com

[redacted]imag.fr

[redacted]@nwu.edu

[redacted].1248566@nortel.co.uk

[redacted]@bnr.co.uk

[redacted]@jet.msk.su

[redacted]luxor.in-berlin.de

[redacted]adfa.oz.au

[redacted]@RUS.Uni-Stuttgart.DE

[redacted]rus.uni-stuttgart.de

[redacted]amngate.amgen.com

[redacted]@ucvax.cc.uq.oz.au

[redacted]@ramstein-wpc.af.mil

[redacted]@gazeta.pl

[redacted]@B.PSC.EDU

[redacted]@deshaw.com

[redacted]@nice.ch

CustServEng@lucky.csd.sgi.com

[redacted]@city.ac.uk

[redacted]@dcs.shef.ac.uk

[redacted]@PSUVM.PSU.EDU

[redacted]@world.std.com

[redacted]@notes.seagate.com

[redacted]@corsof.com

[redacted]@osi.com

[redacted]@Eng.Auburn.EDU

[redacted]@eng.auburn.edu

[redacted]@net.tamu.edu

[redacted]PHNET.SPH.JHU.EDU

[redacted]@noc.cs.ruu.nl

[redacted]ntcmar01ba.ntc.nokia.com

[redacted]@wi.leidenuniv.nl

[redacted]@npg.wustl.edu

[redacted].SOULET@MELIES.cnes.fr

[redacted].SOULET@MELIES.cnes.fr

[redacted].SOULET@melies.cnes.fr

[redacted]mayfield_desk/////////HPMEXT1/DAN#b#GROV.##c#HP5003#o#01@hpwcs

[redacted]hp.com

[redacted]@cst.cnes.fr

[redacted]@ct.utwente.nl

[redacted]@dvinci.usask.ca

[redacted]@amp.cam.ac.uk

[redacted]@damp.cam.ac.uk

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[REDACTED]@fuw.edu.pl
 [REDACTED]@isltd.insignia.com
 [REDACTED]@FMR.Com
 [REDACTED]@xerox.fr
 [REDACTED]dcs.warwick.ac.uk
 [REDACTED]cscos.ac.com
 [REDACTED]@csc.fi
 [REDACTED]@let.ruu.nl
 [REDACTED]UVVM.UVIC.CA
 [REDACTED]s.csiro.au
 [REDACTED]dionysos.fmi.fi
 [REDACTED]its.csiro.au
 [REDACTED]iegate.mitre.org
 [REDACTED]rus.uni-stuttgart.de
 [REDACTED]@pimacc.pima.edu
 [REDACTED]@cern.ch
 [REDACTED]@imag.fr
 MAILER-DAEMON@NOAA.GOV
 MAILER-DAEMON@corp.metasystems.com
 MAILER-DAEMON@savba.savba.sk
 MAILER@BGUVMS.BGU.AC.IL
 [REDACTED]freh-02.adpc.purdue.edu
 [REDACTED]@jfrank.com
 [REDACTED]@deshaw.com
 [REDACTED]@Corp.Sun.COM
 [REDACTED]@Eng.Sun.COM
 [REDACTED]@corp.sun.com
 [REDACTED]@eng.sun.com
 [REDACTED]@eng.sun.com
 [REDACTED]Misty.com
 [REDACTED]@anu.edu.au
 [REDACTED]@cl.cam.ac.uk
 [REDACTED]@oti.com
 [REDACTED]@eng.sun.com
 [REDACTED]@csc.fi
 [REDACTED]@hsc.fr.net
 [REDACTED]t@keltia.frmug.fr.net
 [REDACTED]L@TDR.COM
 [REDACTED]@sprint.sprint.com
 [REDACTED]@sophia.inria.fr
 [REDACTED]@deshaw.com
 [REDACTED]@world-net.sct.fr
 [REDACTED]@CL.CAM.AC.UK
 [REDACTED]@cl.cam.ac.uk
 [REDACTED]@SEMATECH.Org
 [REDACTED]y@sematech.org
 [REDACTED]hr.house.gov
 [REDACTED]@cl.cam.ac.uk
 [REDACTED]@Colorado.EDU
 [REDACTED]@colorado.edu
 [REDACTED]its.gu.edu.au
 [REDACTED]@aol.com

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 [REDACTED]@ccmail.us.dell.com
 [REDACTED]@ecs.soton.ac.uk
 [REDACTED]@Mail.UTexas.EDU
 [REDACTED]@Gloria.fr
 [REDACTED]@cs.colorado.edu
 [REDACTED]@ecs.colorado.edu
 [REDACTED]@edt.ericsson.se
 [REDACTED]@vt.edu
 [REDACTED]@mrlxps.mrl.uiuc.edu
 WinNews@microsoft.com [SMTP
 [REDACTED]@iao.fhg.de
 [REDACTED]@noc.ntua.gr
 [REDACTED]@fml.co.uk
 [REDACTED]@ifi.uio.no
 [REDACTED]@gw.jumpstart.com
 [REDACTED]@vic.cc.purdue.edu
 [REDACTED]@bwh.harvard.edu
 [REDACTED]@homeport.org
 [REDACTED]@math.tau.ac.il
 [REDACTED]@mickey.ovid.com
 [REDACTED]@kodak.com
 [REDACTED]@procyon.com
 [REDACTED]@Symbiosis.AHP.Com
 [REDACTED]@symbiosis.ahp.com
 [REDACTED]@ideanet.doe.state.in.us
 [REDACTED]@ibm.de
 [REDACTED]@boytov.csd.sgi.com
 [REDACTED]@ajlc.waterloo.on.ca
 [REDACTED]@vorlon.ajs.com
 [REDACTED]@shiva.ee.siu.edu
 [REDACTED]@cableol.net
 [REDACTED]@ez0.ezlink.com
 [REDACTED]@manawatu.planet.org.nz
 [REDACTED]@mid.net
 [REDACTED]@mid.net
 [REDACTED]@godzilla.EECS.Berkeley.EDU
 [REDACTED]@Eng.Auburn.EDU
 [REDACTED]@clark.net
 [REDACTED]@clark.net
 [REDACTED]@bach.cis.temple.edu
 [REDACTED]@c3ot.saic.com
 [REDACTED]@imt.saic.com
 [REDACTED]@water.ca.gov
 [REDACTED]@IntNet.net
 [REDACTED]@VNET.IBM.COM
 [REDACTED]@CS.bgu.ac.il
 [REDACTED]@black.BGU.AC.IL
 [REDACTED]@black.bgu.ac.il
 [REDACTED]@cs.bgu.ac.il
 [REDACTED]@gnu.ai.mit.edu
 [REDACTED]@chat.carleton.ca

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 [REDACTED]@sandy.alt.za
 [REDACTED]@cs.hmc.edu
 [REDACTED]@muddcs.cs.hmc.edu
 [REDACTED]@poling@jhu.edu
 [REDACTED]@bigdog.fred.net
 [REDACTED]@btc.uwe.ac.uk
 [REDACTED]@maine.edu
 [REDACTED]@spm.co.at
 [REDACTED]@basis.com
 [REDACTED]@aros.net
 [REDACTED]@gorgan.mti.sgi.com
 [REDACTED]@baxter@aaii.oz.au
 [REDACTED]@umiacs.UMD.EDU
 [REDACTED]@HERMES.CAM.AC.UK
 [REDACTED]@inf.ethz.ch
 [REDACTED]@scain.kaist.ac.kr
 [REDACTED]@reseau.nl
 [REDACTED]@support.psi.com
 [REDACTED]@crcg.edu
 [REDACTED]@gb.swissbank.com
 [REDACTED]@chewy.wookie.net
 [REDACTED]@mersinet.co.uk
 [REDACTED]@lorien.ocf.llnl.gov
 [REDACTED]@netmaine.com
 [REDACTED]@primus.COM
 [REDACTED]@cs.albany.edu
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 [REDACTED]@cc.ece.ntua.gr
 [REDACTED]@raastro.Colorado.EDU
 [REDACTED]@stis.com
 [REDACTED]@beckman.uiuc.edu
 [REDACTED]@sph-meter.beckman.uiuc.edu
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 [REDACTED]@umbc.edu
 [REDACTED]@alydar.crd.ge.com
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 [REDACTED]@transformers.labs.gmu.edu
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 [REDACTED]@sco.COM
 [REDACTED]@sco.com
 [REDACTED]@haven.boston.ma.us
 [REDACTED]@srm.com
 [REDACTED]@cosmos.kaist.ac.kr
 [REDACTED]@std.sbi.com

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 [REDACTED]@misty.larc.nasa.gov
 [REDACTED]@csugrad.cs.vt.edu
 [REDACTED]@sussenterprise.async.vt.edu
 [REDACTED]@gabriel.resudox.net
 [REDACTED]@bitblt.resnet.cornell.edu
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 [REDACTED]@turing.ucdavis.edu
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 [REDACTED]@cyberflunk.semaphore.com
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 [REDACTED]@owner@fc.net
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 [REDACTED]@severest.cclabs.missouri.edu
 [REDACTED]@sgil.phlab.missouri.edu
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 [REDACTED]@Holland.Sun.COM
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 [REDACTED]@Starbase.NeoSoft.COM
 [REDACTED]@anjura.com
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 [REDACTED]@cclabs.missouri.edu
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 [REDACTED]@sgi2.phlab.missouri.edu
 [REDACTED]@bath.ac.uk
 [REDACTED]@agu2@cdcnnet.uniandes.edu.co
 [REDACTED]@SSDS.com
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 [REDACTED]@CRIMELAB.COM
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 [REDACTED]@isisph.com
 [REDACTED]@helix.net
 [REDACTED]@isis.isisph.com
 [REDACTED]@platform.com
 [REDACTED]@rivers.dra.hmg.gb
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 [REDACTED]@stampico.cso.uiuc.edu
 [REDACTED]@westnet.com
 [REDACTED]@whitman.gmu.edu
 [REDACTED]@du@sco.com
 [REDACTED]@cheetah.llnl.gov
 [REDACTED]@elwha.evergreen.edu
 [REDACTED]@summit.novell.com
 [REDACTED]@loiosh.kei.com
 [REDACTED]@iss.net
 [REDACTED]@shadow.net
 [REDACTED]@shadow.net Subject
 [REDACTED]@cling.gu.se

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 [REDACTED]@brandx.cs.ohiou.edu
 [REDACTED]@millenniumcc.com
 [REDACTED]@clipper.cb.att.com
 [REDACTED]@inner.net
 [REDACTED]@itchy.inner.net
 [REDACTED]@itchy.inner.net
 [REDACTED]@ministry-of-love.inner.net
 [REDACTED]@stecnet1.jcte.jcs.mil
 [REDACTED]@hacktic.nl
 [REDACTED]@nervosa.com
 [REDACTED]@msmary.edu
 [REDACTED]@cableol.net
 [REDACTED]@publix.empath.on.ca
 [REDACTED]@seek.llnl.gov
 [REDACTED]@mit.edu
 [REDACTED]@math.psu.edu
 [REDACTED]@uunet.uu.net
 [REDACTED]@student.uq.edu.au
 [REDACTED]@scitsc.wlv.ac.uk
 [REDACTED]@rs6000.cmp.ilstu.edu
 [REDACTED]@gov.bc.ca
 [REDACTED]@schoolnet.carleton.ca
 [REDACTED]@Stanford.EDU
 [REDACTED]@it.kth.se
 [REDACTED]@galantec.com
 [REDACTED]@UNL.AC.UK
 [REDACTED]@ozonline.com.au
 [REDACTED]@rpi.edu
 [REDACTED]@pluto.ulcc.ac.uk
 [REDACTED]@berserkly.cray.com
 [REDACTED]
 [REDACTED]@killerbee.jsc.nasa.gov
 [REDACTED]@dan.com
 [REDACTED]@pasteur.fr
 [REDACTED]@miriworld.its.unimelb.EDU.AU
 [REDACTED]@protocol.ece.iisc.ernet.in
 [REDACTED]@ans.net
 [REDACTED]@sandia.gov
 [REDACTED]@teleport.com@sage.cc.rl.ac.uk2zz
 [REDACTED]@TELEPORT.COM
 [REDACTED]@teleport.com
 [REDACTED]@esi.COM.AU
 [REDACTED]@esi.com.au
 [REDACTED]@fgh.oz.au
 [REDACTED]@kachina.jetcafe.org
 [REDACTED]@tis.com
 [REDACTED]@tis.com
 [REDACTED]@wanda.phl.pond.com
 [REDACTED]@escape.com
 [REDACTED]@andrew.cmu.edu

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[REDACTED]@irc.umbc.edu
 [REDACTED]@shom.fr
 [REDACTED]@cogs.susx.ac.uk
 [REDACTED]@phoenix.Princeton.EDU
 [REDACTED]@vnet.ibm.com
 [REDACTED]@cs.berkeley.edu
 [REDACTED]@phoenix.Princeton.EDU
 [REDACTED]@erf900.physics.usyd.edu.au
 [REDACTED]@pacstar.com.au
 [REDACTED]@MO.NET
 [REDACTED]@proton.chem.yale.edu
 [REDACTED]@carleton.edu
 [REDACTED]@Tymnet.COM
 [REDACTED]@telecom.ksu.edu
 [REDACTED]@CTD.ORNL.GOV
 [REDACTED]@CTD.ORNL.GOV
 [REDACTED]@dassat.dassault-at.fr
 [REDACTED]@bconnex.net
 [REDACTED]@cybersafe.com
 [REDACTED]@sickly.cybersafe.com
 [REDACTED]@city.ac.uk
 [REDACTED]@paris.eng.utsa.edu
 [REDACTED]@hcs.HARVARD.EDU
 [REDACTED]@hcs.harvard.edu
 [REDACTED]@tartarus.uwa.edu.au
 [REDACTED]@conga.super.unam.mx
 [REDACTED]@cs.ucdavis.edu
 [REDACTED]@bigcat.missouri.edu
 [REDACTED]@cac.washington.edu
 [REDACTED]@Solbourne.COM
 [REDACTED]@nts.gssc.com
 [REDACTED]@haddock.saa-cons.co.uk
 [REDACTED]@saa-cons.co.uk
 [REDACTED]@ccwf.cc.utexas.edu
 [REDACTED]@alphasun.anu.edu.au
 [REDACTED]@us.oracle.com
 [REDACTED]@netscape.com
 [REDACTED]@smtp-gw.spawar.navy.mil
 [REDACTED]@cwi.nl
 [REDACTED]@paranoia.com
 [REDACTED]@paranoia.com
 [REDACTED]@louie.udel.edu
 [REDACTED]@recycle.ceba.gov
 [REDACTED]@oxygen.house.gov
 [REDACTED]@eng.auburn.edu
 [REDACTED]@goodall.goodall.com
 [REDACTED]@seas.smu.edu
 [REDACTED]@seas.smu.edu
 [REDACTED]@comco.com
 [REDACTED]@graphite.comco.com
 [REDACTED]@charlie.ksu.ksu.edu
 [REDACTED]@us.DHL.COM

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[redacted]garrison.inetcan.net
 [redacted]src.honeywell.com
 [redacted]shopf.dnai.com
 [redacted]gisws6.rtpnc.epa.gov
 [redacted]vangogh.rtpnc.epa.gov
 [redacted]blackbird.mitre.org
 [redacted]blackbird.mitre.org
 [redacted]icaen.uiowa.edu
 [redacted]icaen.uiowa.edu
 [redacted]lms598.lms.cornell.edu
 [redacted]lms61.tn.cornell.edu
 [redacted]umich.edu
 [redacted]tnt.microimages.com
 [redacted]pandora.mit.csu.edu.au
 [redacted]ake@hcst.com
 [redacted]andromeda.rutgers.edu
 [redacted]bu.edu
 [redacted]cs.ubc.ca
 [redacted]noc.cs.ruu.nl
 [redacted]suned1.Nwses.Navy.Mil
 [redacted]cse.psu.edu
 [redacted]MIT.EDU
 [redacted]mit.edu
 [redacted]netmarket.com
 [redacted]aristo.tau.ac.il
 [redacted]tbd.ford.com
 [redacted]tbd180.tbd.ford.com
 [redacted]lupine.org
 [redacted]lupine.org
 [redacted]netscape.com
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