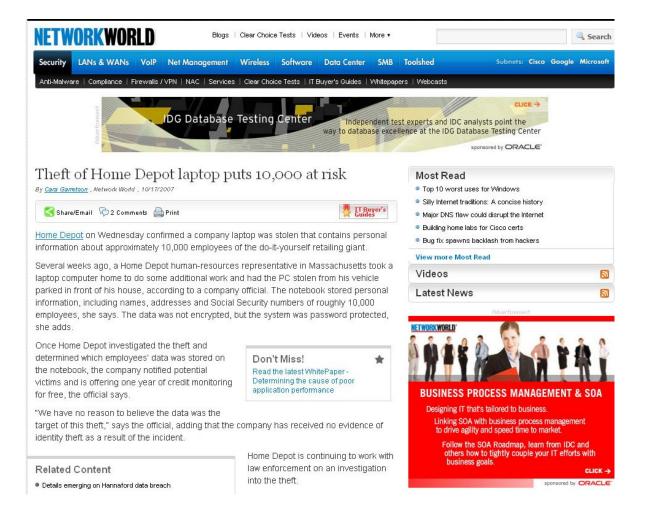
Data Leakage and Seepage

- Data Leakage occurs when private and sensitive information revealed, either accidentally or through carelessness.
 - This can be due to programming errors, improper handling of sensitive information, or malicious internal threats.
- Data breaches cost companies millions of dollars (a study by the Ponemon Institute estimates the costs in 2009 to be an average of \$6.75 million).

- The most expensive data breach event included in the 2009 study cost a company nearly \$31 million to resolve.
- The least expensive total cost of data breach for a company included in the study was \$750,000.
- In addition to the direct costs, a wellpublicized data breach can also translate into lost business opportunities.

Examples of Leakage





By Ellen Messmer, Network World, 06/08/2007



Retailer <u>TJX</u> yesterday detailed the mounting legal woes and financial costs spawning from a data-breach disclosed in January that's believed to have resulted in the compromise of at least 45.6 million credit and debit cards.

In its quarterly filing with the <u>Securities and Exchange Commission</u>, TJX acknowledged that the computer intrusion still under investigation has cost it \$20 million during the first quarter alone, and that costs were expected to continue to mount in future quarters.

In addition, stated TJX, "We face potential liabilities from customers, banks, payment card companies and governmental entities with respect to the computer intrusion."

TJX says it's facing several "putative class-action lawsuits" filed in Massachusetts, Illinois, Ohio and

elsewhere. These lawsuits are said to represent individuals, financial institutions and others claiming injury and shareholder interest associated with the computer intrusion. Some lawsuits also name Fifth Third Bancorp as a defendant because it processed payment-card transactions for TJX

Related Content

- Details emerging on Hannaford data breach
- Banks sue TJX
- FTC wants answers
- Case study in what to do wrong BLOG
- TJX apology: VVe give it a 5
- Sloppy companies, not hackers

Don't Miss!

Read the latest WhitePaper - Laptop Security Tool Helps Allina Hospitals Track 97% of IT Assets

IT Buyer's Guides

TJX is also facing a lawsuit from the Massachusetts Bankers Association representing banks pressing to have their losses associated with the data breach covered by TJX.

TJX stated in the filing that the \$20 million in costs tied to the data breach was spent on investigating the security



Security Information

Management

Unified Threat

IT Buyer's Guides

These guides cover more

Security Buyer's

Guides

Hazards of File Sharing programs!



Related Content

- Details emerging on Hannaford data breach
- Banks sue TJX
- FTC wants answers
- Case study in what to do wrong BLog

"Our investigation is ongoing, and we are taking steps to prevent any further dissemination of these files, and to determine the identity and location of any person(s) who may be reposting them," the letter reads.

Be careful where you post information!

AOL reviews privacy policy after shake-up

By Robert Mullins , IDG News Service , 08/21/2006

Share/Email Comment Print

AOL Monday announced steps it is taking to prevent another security breach like one in which subscriber search query results recently were posted online.

Also Monday, the company accepted the <u>resignation of its CTO</u>. Maureen Govern "has decided to leave AOL effective immediately," said Jon Miller, president of AOL, in an e-mail message to employees that was provided to the *IDG News Service*. Govern, who was named CTO in September 2005, oversaw the research division responsible for the data release. In addition, a researcher and a manager in the research area were fired, according to an AOL spokesman who declined to be named.

The Web portal and Internet service provider has come under criticism from Internet privacy watchdogs for disclosing data on about 20 million search queries made by 650,000 AOL subscribers between March 1 and May 31. AOL researchers posted the data online even though it was intended only for use by other AOL researchers. No

Don't Miss!

Read the latest WhitePaperTroubleshooting Remote Site
Networks - Best Practices

personally identifiable information about subscribers was revealed. AOL has since removed the data from the Web.

In another e-mail message to employees, Miller said an internal task force was being assembled to determine how long AOL should keep data, including search data, and to consider other improvements to the AOL Privacy Policy. The task force will be co-chaired by AOL Vice Chairman Ted Leonsis and General Counsel Randy Boe.

Related Content

- ACLU files lawsuit to challenge surveillance law
- US Senate resumes debate on surveillance bill
- Senate delays vote on surveillance bill until July
- House approves surveillance bill, protects telecoms
- Infowar resources BLOG
- Internet Archive challenges FBI's secret records demand

Miller said AOL will also take the following steps:

* Impose additional restrictions on access to databases of subscriber information, regardless whether that data contains information identifying specific people.

Data Seepage?

- Data Seepage occurs for example, when your machine boots up and some desktop applications are set to automatically connect to internal mail servers or shared folders.
- Basically It is all about how "chatty" client machines are. This is compounded with the rise in targeted attacks and mobile enterprise users increasingly working off public WiFi connections while on the road or in the coffee shop.
- An attacker using a sniffer on a wired or wireless LAN can "see" the victim's machine gathering DNS server names or other information on network resources and use that information to better hone in on the target.
- If the machine is too chatty when it connects to the resources, then it "seeps" data.
- Outlook, for instance, will look for its Exchange server, Windows will try to reconnect to mapped drives.
- AIM will try to connect to its network server.
- This chattiness allows an attacker to gain information about a target without raising and alerts.

- Always be aware of what your laptop or workstation does when it starts up:
 - Programs set to autostart
 - Looking for certain resources like intranet homepage and shared drives
 - Email clients
 - Instant messaging clients

Essential Elements of Friendly Information - EEFI

- This is a military term and is defined as:
 - "Key questions likely to be asked by adversary officials and intelligence systems about specific friendly intentions, capabilities, and activities, so they can obtain answers critical to their operational effectiveness."

EEFI: Example (Courtesy of Errata Security)



Him: When can I see you again?

Her: How about next week? My boss, the director of the NSA has a trip he is going on he can't even tell me about. It makes me so mad, how am I suppose to help coordinate things if I don't even know where he is going. He did ask me to buy a lot of suntan lotion though...

Him: Excuse me, I have to make a phone call.....to my sister...about...trees.

Her: Ok hurry back, I am going to order another drink.

Inference Channels – A form of EEFI

- Movements and business trips of CEOs, sales staff, or even engineers can tell a diligent observer about your business.
 - Repeated trips to a competitors headquarters?
 - Sales people cancelling engagements near end of month or end of quarter.
 - Engineers working lots of overtime (cars in parking lots) as a ship date gets critical.

Inference Example (Courtesy of Errata Security)



Him: When can I see you again?

Her: How about next week? My boss, the CEO, is out all next week on some sort of secret trip. Its his third time going to Redmond this month and he hasn't even brought me a present, but I have to be on call at all hours to coordinate a conference call with all the C level execs.

Him: Excuse me, I have to make a phone call.....to my brother... about...a playdate for our dogs...

Her: That's so sweet, Hurry back, I am ordering more drinks.

Many Such Examples:

- A company keeps ordering a lot of delivery food for several days.
- Increased shipping activity in business warehouses as the end of quarter approaches.
- A small company placing an order for 50 new workstations or placing an order to for more VoIP quality circuits to locations they where they don't have offices.

An MSN Example

- Consider the following series of packet captures that can be used very effectively for social engineering.
- Note that the actual names have been sanitized but this is a "real" capture of a local 802.11 network.
- Also note that since the complete frame has been captured, information such as the company IP address, etc is available.

Frame #1- Boss is going away on a business trip

```
■ Hypercext Transfer Protoco

■ MSN Messenger Service
                 @hotmail.com Cecilia 95\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/x-msmsgscontrol\r\n
   TypingUser: @hotmail.com\r\n
   \r\n
   \r\n
                 @hotmail.com Cecilia 280\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/plain; charset=UTF-8\r\n
   X-MMS-IM-Format: FN=MS%20Shell%20Dlg: EF=: C0=0: CS=0: PF=0\r\n
   \r\n
   boss is going on a trip this sunday so lots to prepare for her departure - doesn't help that she's been away sick all week
      46 3d 30 0d 0a 0d 0a 62
                                                          F=0....b oss is g
                               61 20 74 72 69 70 20 74
      6f 69 6e 67 20 6f 6e 20
                                                          oing on a trip t
     68 69 73 20 73 75 6e 64 61 79 20 73 6f 20 6c 6f 74 73 20 74 6f 20 70 72 65 70 61 72 65 20 66 6f
                                                          his sund av so lo
                                                          ts to pr epare fo
     72 20 68 65 72 20 64 65
                               70 61 72 74 75 72 65 20
                                                          r her de parture
     2d 20 64 6f 65 73 6e 27
                               74 20 68 65 6c 70 20 74
                                                          - doesn' t help t
     68 61 74 20 73 68 65 27
                               73 20 62 65 65 6e 20 61
                                                          hat she's been a
     77 61 79 20 73 69 63 6b 20 61 6c 6c 20 77 65 65
                                                          way sick all wee
     6b 2c 20 73 6f 20 65 76
                              65 72 79 74 68 69 6e 67
                                                          k, so ev erything
     20 69 73 20 6c 65 66 74 20 75 6e 74 69 6c 20 74
                                                           is left until t
0210 6f 64 61 79
                                                          oday
```

Frame #2 – Where did you say she was going?

```
⊞ Frame 712208 (409 bytes on wire, 409 bytes captured)
⊞ IEEE 802.11
■ Logical-Link Control
■ Internet Protocol, Src: I
⊞ Transmission Control Protocol, Src Port: http (80), Dst Port: 3424 (3424), Seg: 10058, Ack: 11894, Len: 331

■ [Reassembled TCP Segments (603 bytes): #712207(272), #712208(331)]

■ Hypertext Transfer Protocol

■ MSN Messenger Service
   MSG combon @hotmail.com Cecilia 95\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/x-msmsgscontrol\r\n
   TypingUser: @ @hotmail.com\r\n
   \r\n
   \r\n
            @hotmail.com Cecilia 157\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/plain; charset=UTF-8\r\n
   X-MMS-IM-Format: FN=MS%20Shell%20Dlg; EF=; C0=0; CS=0; PF=0\r\n
   hongkong, beijing, shanghai, seoul
      2d 56 65 72 73 69 6f 6e 3a 20 31 2e 30 0d 0a 43
                                                         -Version : 1.0..C
      6f 6e 74 65 6e 74 2d 54
                              79 70 65 3a 20 74 65 78
                                                        ontent-T ype: tex
     74 2f 70 6c 61 69 6e 3b 20 63 68 61 72 73 65 74
                                                         t/plain; charset
      3d 55 54 46 2d 38 0d 0a 58 2d 4d 4d 53 2d 49 4d
                                                        =UTF-8.. X-MMS-IM
      2d 46 6f 72 6d 61 74 3a
                              20 46 4e 3d 4d 53 25 32
                                                        -Format: FN=MS%2
      30 53 68 65 6c 6c 25 32
                              30 44 6c 67 3b 20 45 46
                                                         OShell%2 ODla: EF
      3d 3b 20 43 4f 3d 30 3b
                              20 43 53 3d 30 3b 20 50
                                                        =; C0=0; CS=0; P
     46 3d 30 0d 0a 0d 0a 68
                              6f 6e 67 6b 6f 6e 67 2c
                                                        F=0...h onakona.
                              2c 20 73 68 61 6e 67 68
                                                         beijing , shangh
     20 62 65 69 6a 69 6e 67
0190 61 69 2c 20 73 65 6f 75 6c
                                                         ai, seou l
```

Frame #3: For How Long?

```
⊞ Frame 721180 (253 bytes on wire, 253 bytes captured)
⊞ IEEE 802.11

    ■ Logical-Link Control

⊞ Transmission Control Protocol, Src Port: http (80), Dst Port: 3424 (3424), Seq: 12684, Ack: 15309, Len: 175
B [Reassembled TCP Segments (446 bytes): #721179(271), #721180(175)]

■ Hypertext Transfer Protocol

■ MSN Messenger Service
            @hotmail.com Cecilia 135\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/plain: charset=UTF-8\r\n
   X-MMS-IM-Format: FN=MS%20Shell%20Dlg; EF=; C0=0; CS=0; PF=0\r\n
   \r\n
   2 or 3 weeks
      6f 6e 3a 20 31 2e 30 0d
                               0a 43 6f
                                                         on: 1.0. .Content
     2d 54 79 70 65 3a 20 74 65 78 74 2f 70 6c 61 69
                                                         -Type: t ext/plai
     6e 3b 20 63 68 61 72 73 65 74 3d
                                                         n; chars et=UTF-8
    Od Oa 58 2d 4d 4d 53 2d 49 4d 2d
74 3a 20 46 4e 3d 4d 53 25 32 30
                                        46 6f 72 6d 61
                                                         ..X-MMS- IM-Forma
                              25 32 30 53 68 65 6c 6c
                                                         t: FN=MS %20Shell
     25 32 30 44 6c 67 3b 20 45 46 3d 3b 20 43 4f 3d
                                                         %20D1q; EF=; C0=
     30 3b 20 43 53 3d 30 3b
                               20 50 46 3d 30 0d 0a 0d
                                                         0: CS=0: PF=0...
00f0 Oa 32 20 6f 72 20 33 20 77 65 65 6b 73
                                                          .2 or 3 weeks
```

Frame #4: Social Engineering Anyone?

```
■ Frame 984669 (353 bytes on wire, 353 bytes captured)

■ IEEE 802.11
■ Logical-Link Control
■ Internet Protocol, Src:
                                                       d, Dst:
⊕ Transmission Control Protocol, Src Port: http (80), Dst Port: 3469 (3469), Seq: 5742, Ack: 7405, Len: 275

■ [Reassembled TCP Segments (546 bytes): #984668(271), #984669(275)]

■ Hypertext Transfer Protocol

■ MSN Messenger Service
   MSG Chotmail.com Cecilia 235\r\n
   MIME-Version: 1.0\r\n
   Content-Type: text/plain: charset=UTF-8\r\n
  X-MMS-IM-Format: FN=MS%20Shell%20Dlg; EF=; C0=0; CS=0; PF=0\r\n
   no, but I carry extra socks with me and I have an electric register in my office that I put my insoles on to dry
00f0 0a 6e 6f 2c 20 62 75 74 20 49 20 63 61 72 72 79
0100 20 65 78 74 72 61 20 73 6f 63 6b 73 20 77 69 74
                                                           .no, but I carry
                                                            extra s ocks wit
0110 68 20 6d 65 20 61 6e 64 20 49 20 68 61 76 65 20
                                                          h me and I have
0120 61 6e 20 65 6c 65 63 74 72 69 63 20 72 65 67 69
                                                           an elect ric regi
0130 73 74 65 72 20 69 6e 20 6d 79 20 6f 66 66 69 63
                                                           ster in my offic
0140 65 20 74 68 61 74 20 49 20 70 75 74 20 6d 79 20
                                                          e that I put my
0150 69 6e 73 6f 6c 65 73 20 6f 6e 20 74 6f 20 64 72
                                                          insoles on to dr
```

 I am stuck here at the airport in Seoul. Can you please send me a copy of that report again (use my personal email: pseudoboss@hotmail.com). Thanks. Oh, and Cecilia, be careful with that heater and your insoles o.k.?;-)

Seepage From Devices:

- Laptops, PDAs, and mobile phones will give up a lot information that may not seem important but combined with other info can paint a picture for malicious intruders.
- A very simple example is to set up a Bluetooth device on a laptop and perform a scan of other Bluetoothenabled devices (laptops, smart phones) in the vicinity and pair up with them.
- After that it is simple matter of

Other Examples:

- Wifi packets
- DHCP Broadcast
- NetBIOS/SMB Broadcast
- DNS/Bonjour Requests
 - Bonjour, formerly Rendezvous, is Apple Inc's trade name for its implementation of Zeroconf, a service discovery protocol.
 - Bonjour locates devices such as printers, as well as other computers, and the services that those devices offer on a LAN using DNS service records.

Wifi Packets - KARMA

- When a Wifi enabled laptop starts up it will look for a list of "known networks" or networks it has previously associated with before.
- This list can be used to determine the location history of usage for the laptop.
- KARMA is a set of tools for assessing the security of wireless clients at multiple layers.
- Wireless sniffing tools discover clients and their preferred/trusted networks by passively listening for 802.11 Probe Request frames.
- From there, individual clients can be targeted by creating a Rogue AP for one of their probed networks (which they may join automatically) or using a custom driver that responds to probes and association requests for any SSID.
- Higher-level fake services can then capture credentials or exploit client-side vulnerabilities on the host.

A Simple Scenario:

- Alice has a wireless access point at home with an SSID of "linksys", which she has successfully set up and connected to with her laptop.
- Alice goes to the airport (or train station or coffee shop) and opens her laptop.
- Bob, who is sitting next to Alice, has a laptop configured with an ad-hoc network advertising an SSID of "linksys".
- Alice's laptop when started looks for the SSID of "linksys", and attaches to Bob's ad-hoc network.
- The next time Alice boots up the laptop when the Ethernet cable is not attached and there is no "linksys" SSID in range, Alice starts advertising an adhoc network with an SSID of "linksys".
- This is basically a configuration error that spreads virus-like from laptop to laptop.
- In field tests, numerous ad-hoc SSIDs such as "linksys", "dlink", "tmobile", "hpsetup", and others

Karma Project

- A set of Wifi tools that will allow an attacker to masquerade as a variety of servers to attract unsuspecting target machines:
 - Respond to WiFi "probe"
 - Respond with DHCP address
 - Respond to ARPs
 - Respond to NetBIOS queries
 - Respond to SMB/DCE-RPC connections
 - Respond to DNS queries
 - Respond to SMTP connections

Karma Screenshots:

- Once Karma is installed and invoked, the rogue services are started.
- Any probing clients will now connect to KARMA on the rogue machine using whichever SSID their machine

root@wirelessdefence:/tools/wifi/karma-0.4

File Edit View Terminal Tabs Help

[root@wirelessdefence karma-0.4]# ./bin/karma etc/karma-scan.xml
Starting KARMA...

Loading config file etc/karma-scan.xml

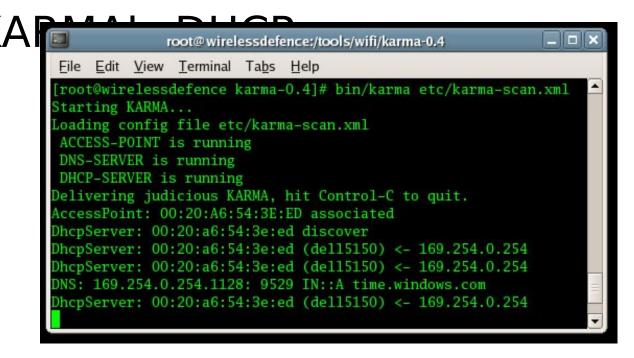
ACCESS-POINT is running

DNS-SERVER is running

DHCP-SERVER is running

Delivering judicious KARMA, hit Control-C to quit.

 The next screenshot shows that an unsuspecting client received the IP address 169.254.0.254 from



 The following invocation shows how KARMA can offer a variety of services (POP, FTP and HTTP) for any curious

clien

```
File Edit View Terminal Tabs Help

[root@wirelessdefence karma-0.4]# ./bin/karma etc/karma.xml

Starting KARMA...

Loading config file etc/karma.xml

ACCESS-POINT is running

DNS-SERVER is running

DHCP-SERVER is running

FTP-SERVER is running

[2006-01-19 22:19:01] INFO WEBrick 1.3.1

[2006-01-19 22:19:01] INFO ruby 1.8.4 (2005-12-24) [i386-linux]

[2006-01-19 22:19:01] INFO WEBrick::HTTPServer#start: pid=6819 port=80

HTTP-SERVER is running

CONTROLLER-SERVLET is running

EXAMPLE-WEB-EXPLOIT is running

Delivering judicious KARMA, hit Control-C to quit.
```

 The following is an illustration of an attempted FTP connection to www.mysecretwebsite.com which actually was received by KARMA and the users credentials - username = myusername and

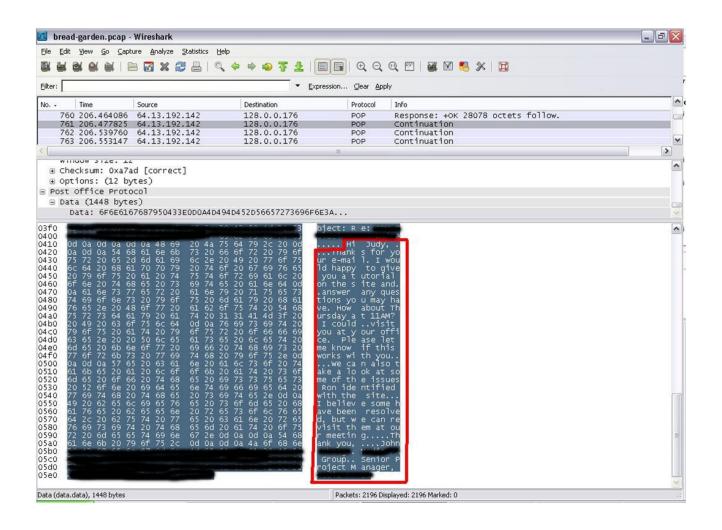
password =

```
root@wirelessdefence:/tools/wifi/karma-0.4
File Edit View Terminal Tabs Help
 root@wirelessdefence karma-0.4]# bin/karma etc/karma.xml
Starting KARMA...
loading config file etc/karma.xml
 ACCESS-POINT is running
    -SERVER is running
 DHCP-SERVER is running
            22:43:58] INFO WEBrick 1.3.1
                      INFO ruby 1.8.4 (2005-12-24) [i386-linux]
                            WEBrick::HTTPServer#start: pid=4962 port=80
         ER-SERVLET is running
    MPLE-WEB-EXPLOIT is running
Delivering judicious KARMA, hit Control-C to quit.
AccessPoint: 00:20:A6:54:3E:ED associated
DhcpServer: 00:20:a6:54:3e:ed (del15150) <- 169.254.0.254
DNS: 169.254.0.254.1128: 22333 IN::A www.mysecretwebsite.com
FTP: 169.254.0.254 myusername/mypassword
```

<u>Using The Information</u>

- The following is an actual session capture carried out at an unprotected wireless LAN at a local Bread Garden that could very easily be used to compromise the victim's security. (Identities have been sanitized and or changed to protect the real identities of the careless individuals!).
- Basically, the "attackers" were able to capture an entire email regarding a meeting between a vice-president and other employees from two separate companies.
- This information was gathered when John Smith was checking his email using Microsoft Outlook.
- The meeting location was 2xxx Eton St. in Vancouver at 1100 hrs on a Thursday.
- With this information a malicious attacker has several options open to them.
- For example, send a spoofed email to cancel the meeting or change locations so the parties would have trouble meeting – this will cost them valuable business time and lost productivity.
- Another option would be to spy on them during the meeting for the purpose of finding physical information about the targets.
- Yet another option is to use their email information to send disinformation to others within or outside the company.

Captured Email:



The Gist of It:

```
X-Mailer: Microsoft Office Outlook 11
Return-path: "Judy Wong" <judy@bigsolutions.ca>
Envelope-to: "John Smith" < john@mediagroup.com>
Subject: RE: BIG Solutions website
This is a multi-part message in MIME format.
----= NextPart 000_0030_01C877C0.EE453BC0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
Hi John,
Yes, Thursday at 11:00 a.m. would be fine. Leanne and I will be here!
Regards,
Judy Wong
Vice-President, Administration
Big Solutions Ltd.
```

```
Sent: February 22, 2008 3:47 PM
To: Judy Wong
Cc: A whole bunch of people!
Subject: Re: Big Solutions website
Hi Judy,
Thanks for your e-mail. I would happy to give you a tutorial on the site and
answer any questions you may have. How about Thursday at 11AM? I could
visit you at your office. Please let me know if this works with you.
We can also take a look at some of the issues Ron identified with the site.
I believe some have been resolved, but we can revisit them at our meeting.
Thank you,
John Smith
Media Group
Senior Project Manager, Media Producer
Phone: (604) 3xx-xxxx
Email: john@mediagroup.com
```

From: John Smith [mailto:john@mediagroup.com]

web: <http://www.....>

And so it

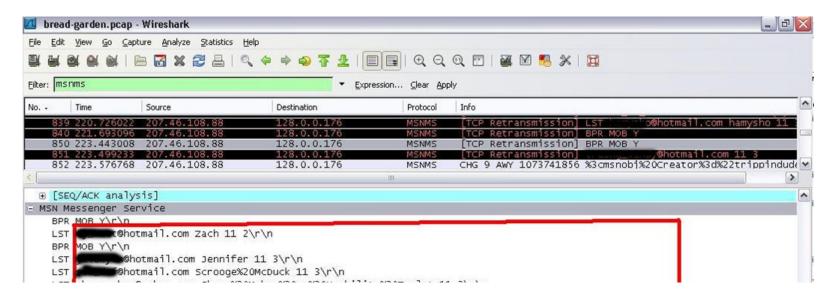
Applying The Information

- So what can you determine about this if you know BigSolutions and MediaGroup are rival companies?
 - Sounds like a merger or buyout.
- Since we know John's pop password we can try it against MediaGroup webmail client, he might use the same password.
- Social Engineering "Hey wasn't that a lousy lunch we had at that meeting....Btw, run this program to update your accounting software."

If All that is Not Enough!

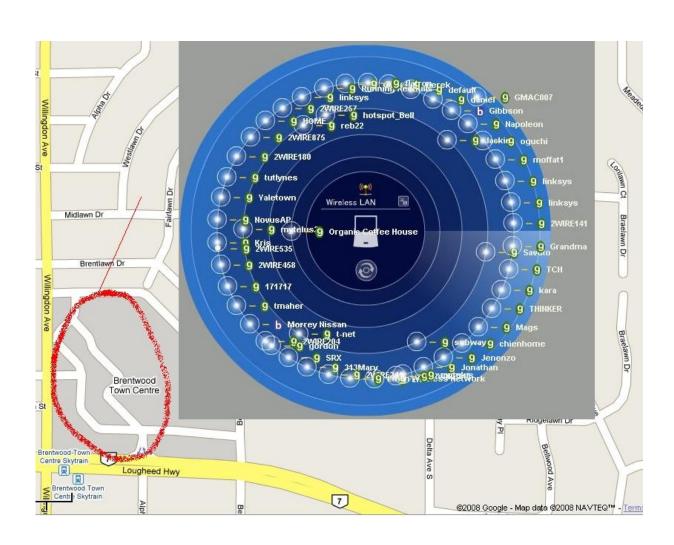
- It appears John Smith uses MSN messenger and he actually logged on and started using it, yielding a lot of additional information.
- His entire contact listing was harvested and information on his contacts was gathered via checking Windows Live, Myspace, and Youtube.
- Going through the usernames of each contact, the attackers were able to grab information by adding their usernames to the end of website URLs that would take them to their homepage if it existed.
- Examples of such URLs would be:
- http://spaces.live.com/profile.aspx?mem=username
- http://www.myspace.com/username
- http://www.youtube.com/username

MSN Contact List:



- The partial contact list clearly provides enough details for an attacker to perform a myriad of social engineering and identity theft exploits.
- For example a phone number was obtained for Jennifer, who is a 27 year old female living in Vancouver and is single.
- Stalkers could make great use of wireless sniffing. Any of John's contact's emails could be spoofed in order to persuade him to open a Trojan Virus.
- This would be most effective if we got him to open this virus on his work computer and have it spread around his entire company's network silently. "Hey John check out this video of me. See attachment".

An Abundance of Targets



Tools

- To start of with, you will need some of the basic sniffing tools to capture the information, for example:
 - Wireless sniffing kit (Wireless card that works with Wireshark, external antennae)
 - Kismet, Aircrack, Airodump
 - Dsniff or Ettercap (active sniffing)
- For more sophisticated data stealing there is a suit of tools called
 "Sidolock"

<u>Sidejacking - Hamster</u> <u>and Ferret</u>

- Sidejacking is the process of sniffing cookie information, then replaying them against websites in order to clone a victim's session.
- Note that this is quite different from typical MITM attacks.
- An MITM attack actually intrudes upon and existing session and actually interferes with it.
- Sidejacking is a passive technique that does not interfere with an existing or original session.
- The victim continues to use his/her session blissfully unaware that we are also in his/her account.

FERRET - Data seepage monitor

- Ferret can be used very effective to capture data seepage.
- Similar to a password sniffer, but sniffs more than just passwords
- It can sniff legitimate operations and formats them in a way that makes it very convenient to view with a tool like Hamster.
- Supported Protocols: DHCP, SNMP, DNS, HTTP, AIM, MSN-MSGR, Yahoo

Protecting Against Data Leakage and Seepage

- Use Personal firewalls
 - Don't allow any traffic unless you are on a trusted network.
 - Unfortunately users will just blindly click through them
- Set strict Corporate Polices
 - Unfortunately these and never really monitored much less enforced.
- The best solution for this is simply to be aware of the vulnerabilities of unsecured and open networks
 - Everyone really doesn't need to work from a coffee shop.