

JOINT REPORT of John Doe

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Bird Exploitation Taskforce

Case against: John Doe



A.B.E.T
Abertay Bird Exploitation
Taskforce

Job Description

A full digital forensic examination of the suspects drive was requested by the Court.

The Court, believing the suspect was in possession of indecent images, as well as distributing them, ordered the Abertay Taskforce to Investigate. The drive, which belonged to the suspect, Mr John Doe, was subsequently seized and a copy created so a full investigation could be carried out in the appropriate, forensically sound manner.

The following investigation details how the forensics team conducted this investigation in the correct manner, that is, without corrupting evidence through human error or mismanagement. This report will describe what the forensics team found following the investigation, detailing extensively how these images came to be found and how serious they are. The report shall also cover how the examination.

Description of Examined Items

John Doe's PC was seized, and his hard drive was recovered and imaged. A resulting johnDoe.dd disk image was created, and this was analysed in a forensic manner by constantly checking the md5 hash of the original drive matched the forensic image.

Analysis Methodology

Image Preservation:

The Image drive was removed from the suspects PC and mounted onto the investigator's PC via a SATA cable. Copying was then performed on Linux by first executing “dmesg”. This allowed the suspect drive to be identified. Once it was identified the suspect drive was copied using “dcfldd” and “.md5” To produce a hash of the suspect drive. This was done by:

```
dcfldd if=/dev/sd2 of=/home/admin/Desktop/jd/johnDoe.dd  
conv=notrunc,noerror,sync hash=md5  
hashlog=/home/admin/Desktop/jd/johnDoeDrive.md5 bs=1406916 count=4096
```

This created a .dd file named johnDoe.dd and the hash of the drive produced was : d63dd1b8917ca28bac7c955fc3b6cd25. Using “certutil –hashfile johnDoe.dd -md5” on a Windows PowerShell console gives the file hash which is used to make sure the drive remains unaltered during the forensic examination.

An “.md5” hash of the file was then performed again to ensure that the copy was sound. This was done by matching the two hash values. To ensure the .dd could not be modified and only read, “chmod” was used to modify the file permissions to read only. fdisk was then used to get basic information about the suspect drive. The drive has a capacity of 5.4 gigabyte. 11255328 sectors, each being 512 bytes. Approximately 2.9 gigabyte of the drive had been used.

This method of preservation was performed at each stage of the analysis to ensure the drive had not been altered in any way.

Image Analysis:

Autopsy V4 (a user interface for the Sleuth Kit) was used to investigate the drive. Using Autopsy, it is possible to tear a drive down to individual data items and categorise each one as being of interest to the investigation or not.

Using Autopsy to find Images

Autopsy’s on-board file carver found all images on the drive. These images include most common image filetypes such as jpeg, bmp and gif, as well as more uncommon ones. Once these were retrieved each image was reviewed by an investigator to judge if it merited action. Those that merited evidence were tagged and then read out to an Excel Spreadsheet. From there they are then converted into a table and have been included as part of “productions”. Also, an individual report was made by Autopsy listing each image in a html file. Each image was also hashed through md5 to check if it matched with any known hashes.

Using Autopsy to find keywords hit:

As with most modern investigations performed on digital evidence, the process can be sped up by using a list of keywords to look for. Autopsy was given a copy of “Bird Keywords.txt” (Appendix 4) and any word within this document that matched a word present on the suspect drive was flagged automatically. After review, several directed keyword searches were performed to achieve more concise results (appendix 3). The keywords used were “bird” and “chick”. A search was also performed with a trimmed down list of keywords.

Using Autopsy to examine Browser Data:

Autopsy has built in web analysis facilities which automatically parse all files relevant to browsing. Upon doing this, a keyword search as mentioned above brought the investigations team attention to several documents, searches and bookmarks flagged by the search. Autopsy also examines all emails which were then analysed. In particular, Autopsy highlights the index.dat files, which include much of Mr Doe’s web history. These were able to be analysed to identify the URL or file path being accessed, and the date of access.

Using Autopsy to check event timeline

Pressing the Timeline button on Autopsy will provide the user with a graph of the data. This can then be narrowed down through the use of the filters. These filters can sort the huge amount of data down by searching for specific strings, previously tagged files, file types and by the event types of the data. Clicking any of the bars on the graph will show any of the information for the timeframe. The timeframes by default are sorted by year but they can be changed to show by month, by day, etc.

Analysis

Autopsy was used to examine the suspects drive. The program, which uses the Sleuth Kit, quickly retrieved any properly formatted data items the suspect had on his hard drive. Following the investigation steps listed above, a large quantity of images, web addresses, documents and personal files were recovered.

An analysis was performed on johnDoe.dd, the image taken from the suspects PC. For reference, this PC was named "JOHN", so it is assumed this PC is indeed Mr John Doe's personal workstation. The disk, which was running Windows, consists of several partitions. The first partition, vol1 (Unallocated 0-62) is standard across drives. The second partition, vol2 (63 – 6136829) contains the majority of Mr Doe's Personal Drive space, "johndoe", as well as a couple of other users, Jane and Bob. Shared amongst these directories is the "All Users" directory, which was also examined. Several indecent images were recovered from the unallocated portion in Volume 3 (6136830 – 11255327).

User Directories:

The user directory "Jane" appears to be that of a family member or friend and holds some personal pictures. Web browsing would indicate she studies at Strathclyde University. No other evidence was found in this part of the directory.

In the user directory "bob", an explicit image was recovered in the music folder as well as a document (Dear Fred.doc) addressed to a "Fred" who is noted as "working at the library". Within this document a phone number was recovered as well as "Bob" suggesting that they had not seen "Fred" in a while and the two should meet soon. Given the evidence found within this directory, it is likely "bob" is used by Mr John Doe as an alias and a fake account to conduct his activities. The recovered number "435 7862" may be that of John Doe's personal phone number or possibly a burner phone used to conduct distribution of prohibited images.

The final user "johnDoe" is Mr Doe's personal account. This account immediately reveals some interesting data items. It appears Mr Doe's wallpaper was an indecent image of two chicks (Image No.56), evidence also suggest this image was downloaded through Mozilla. Index data, where browsing history is held, also suggests that Mr Doe was viewing indecent images through Mozilla, (Image No.61). Of particular interest, were a couple of external drives. One had a suspicious folder in it, "E:/birds/...". This drive seems to have held a .pdf called "BirdingGuide.pdf". Also, an "F:/" drive appears to have been connected at some point, and Mr Doe transferred an indecent image to it (Image No.17). One of these could be an external drive that was highlighted as "Phison Electronics Corp, PS1001/1011/1006/1026 Flash Disk".

Further searching revealed that Mr Doe has several indecent images located in his picture gallery, as well as an indecent image stored in his music folder. Several other images did exist; however, these were either encrypted or of such a low quality the

investigation team could not determine what they were. The “recent” folder would suggest Mr Doe had been viewing indecent images and reading “birding” guides. Links to a .wav file in the “ProgramFiles” section of his directory suggest he had been listening to this file. The file in question “aggressive_song.wav” is an audio clip of a bird tweeting and appears to have been downloaded from MSN. Further into the drive, within the “windows” folder, a .dll file exists which holds 7 indecent Images.

Images:

Several thousand images were found, however most of these were of no interest to the investigation. Of particular note, the suspect was found to be in possession of a large number (133) indecent images, of varying severity. These images range in severity, some images are that of adult males handling birds, images of eggs and newborn chicks (App 1, Image No.95) birds trapped in cages (App 1, Image No.69) and numerous images of birds flying.

Emails:

When an email search was performed 3 user accounts were discovered.

jdoe@example.com – this is Mr John Doe’s personal account. It has received 5 emails.

ben@example.org – this appears to be Mr John Doe’s most contacted address. This account has sent 4 emails to Mr Doe.

mailinglist@birds.example.com – This appears to be an email belonging to organisation that encourages birdwatching. Mr Doe has received one email from them.

The 5 emails recovered all contain information regarding birds. Of particular interest was an email sent by Mr Doe to the ben@example.org address. The text included “Thanks for the pics you sent me here are some I really like”, strongly suggesting Mr Doe’s personal address has been distributing explicit images. An email pertaining to be from the organisation contains a short text file about a bird being “made soup out of”.

Keyword Analysis:

Initially, a keyword search was performed with a wide list of keywords, which returned a large amount of hits. Upon review, it was decided to perform more specific searches for more focused analysis, including single word directed searches, and a search with a trimmed down list of keywords.

The directed keyword search “bird” found many potential files, such as birdwatching guides, some email results and several web pages with bird wallpapers and screensavers. There was also an incriminating search result for “bird mating calls” and a page of bookmarks.

The “chick” directed keyword search was less successful, only bringing one file of note to attention which appears to be a description of how young chicks grow up in the nest.

The trimmed down keyword search returned similar results to the “bird” directed search, but in much greater quantities. Many of the hits occurred in birdwatching guides, or information about specific birds. There were also significantly more results for bird wallpapers. Screenshots were taken of these searches (appendix 6).

Web History:

Web history recovered from Mr Doe’s IE5 (Internet Explorer 5) browsing history suggests he has downloaded indecent images as well as audio clips. Certain data items from the internet were downloaded into external drives. It also seems that Mr Doe has been downloading zipped folders, such as “birds.zip”. There are frequent visits to www.real.com, a site used to view and share videos online. It was accessed both on 02/02/2005 and 09/02/2005. He has an account registered, and likely used the site both to view videos online, and download images, such as EvanstonWoodpecker.jpg. On 24/01/2005, Mr Doe downloaded Mozilla Firefox. This may have been as an alternative web browser, or simply to better use Mozilla’s email application, Thunderbird, although no index files were found with Autopsy.

Mr Doe also used his browser to view indecent images. On several occasions, he viewed multiple images saved to his documents. For example, on 02/02/2005, when he viewed a variety of images such as “snow_geese.jpg”. Soon after viewing these, he logged into his account on real.com, where he could have potentially shared these images to another party. In addition to viewing images, Mr Doe also viewed documents multiple times, such as “BirdingGuide.pdf”.

Timeline:

1996: This seems to be when the drive was first used. The only files on it are a Windows system32 file that has been created and then modified. There are 2 results for this year. No suspicious activity.

1997: It appears that all of the Microsoft office programs are installed and are modified. Looking through the files downloaded, many of them are Clip Art .gif files. There are 126 results for this year. No suspicious activity.

1998: 1998 is much the same as 1997 with more Clip Art files being modified and created as well as icons for many Microsoft office products. There are 380 results for this year. No suspicious activity.

1999: Again, many of this year's data is just more Clip Art and Microsoft Icons. There are 356 items this year. No suspicious activity.

2000: There are many .jpg files for this year’s data but they all are what appears to be default windows or stock images of a science experiment. There are 270 results for 2000. No suspicious activity.

2001: 2001 also has more icons from programs and other standard images that any Windows running system would have. No suspicious activity.

2002: 2002 is the first year with illicit images of an ornithological nature. A picture of a seagull entitled “BC7 feeding the birds.jpg” (App 1, Image 66) was uploaded on 31/12/2002, 20:28:49 to the PC from a Sony camera. This is John Doe’s first illicit image and it appears that it is one that he produced on a camera or mobile phone. Everything else this year is more of the same.

2003: On 01/29/2003 two images called “BellbirdJumpingOffBranch.jpg” (App 1, Image 2) and “f0002368.jpg” (App 1, Image 81) feature illicit ornithological content. Both images were stored on the PC at the same time and both come from a Canon EOS-1DS camera suggesting that John Doe took these images himself.

2004: There is a large influx of Microsoft stock images in 2004 with a logo and background images that appear to be the ones from Windows XP suggesting that John Doe upgraded to Windows XP this year. There are no bird images this year.

2005: According to the Autopsy timeline tool on 02/02/2005 at 14:18:10 to 16:25:10, John Doe downloaded tens of bird images and stored them in johndoe/My Documents/My Pictures. This group of images also include an image entitled “brd_Ornithologist_TWG.jpg” (App 1, Image 13) which features a man holding a bird. The next day at 11:42:18 he then again accessed more bird content. He created, through copying or downloading, tens more images on this machine until 15:43:48. A few days later on the 9th of February, he then created more images at 16:51:22 until 17:06:28. Also on the 9th John Doe received multiple emails from 2 individuals, ben@example.com and mailinglist@birds.example.com. 9 images in total were recovered from the email with a total of 8 images from the ben address. These images were of varying severity. One image was confirmed to be showing a pair of Macaws in a cage (App 1, Image No.69). The image from mailinglist@birds.example.com has text on how to spot birds and how to identify them. It also instructs on how to get to know them and categorise them.

Summary of Autopsy data recovered:

Images: 133

Webdata: Emails, Web history, Web cookies, Web searches and Web bookmarks

Files: Documents, Music Files, links, pagefile.sys pages.

Production List and Associated Description

The most important piece of evidence gathered was johnDoe.dd, a disk image of John Doe’s drive that had been seized from the suspects computer as soon as the investigation began. Many items of data that proved of interest to the investigation were collated from Mr Doe’s Drive.

All the images found within the drive have been added to a table detailing the name they were saved as, where they were located in the drive, when they were added to the drive and how big each image is (Appendix 1). In a similar fashion, retrieved emails were found and presented in much the same format. A list of prohibited documents, that include articles related to birdwatching and bird entrapment were also seized, and a table listing these was also created (Appendix 7).

A full collection of the web data seized from the drive has been stored as a table where the data stored has time the data was created, a description of the data accessed and the event type. This table give a full description of the web activities on the that has been stored on the drive in 2005, the only year which Autopsy could provide any evidence of web data. See Appendix 2.

The results of the directed keyword search have been stored in a table detailing the file path of the result, most recent change time, time of creation, file size in bytes, file extension, and preview of where the keyword occurred in the file.

Conclusions

During the investigation into Mr Doe's drive the investigation team discovered many items noteworthy to the investigation.

In total, 123 indecent bird images were recovered from the suspect's drive. These images were stored in several locations, the location of which suggested some of these items had been deleted. 20 such items were located in Volume 2 of the suspects drive and had been deleted. A further 23 items were recovered from another unused partition (Volume 3) of the suspects drive. These items could therefore only be accessed by someone with knowledge of the OS.

As well as evidence that suggests Mr Doe has attempted to hide a portion of the recovered images within the unallocated partition of his drive, evidence does exist that would suggest Mr Doe has been sending images to another party (Appendix 5). These other individuals also send illicit ornithological content to Mr Doe's E-Mail suggesting that he could be part of a ring of these individuals. The evidence collected also suggests that Mr Doe created many of these images himself through a personal camera which proves that the images on the drives were put there intentionally and this increases the viability of the claim that Mr Doe was attempting to cover his tracks by deleting them intentionally rather than removing them because he downloaded them accidentally. His web-data also provides additional testimony that Mr Doe intended to have these images, as the data shows files such as "birdwatching.doc" and "aggressive_song.wav" in his web history.

In addition to sending by email, it is highly likely that Mr Doe shared images via a website. He has an account registered with real.com, a video and image sharing site, which he often logged into after viewing indecent images on his own machine. He both used this site to view and likely download images, and potentially shared his own to a wider audience than his email ring.

The keyword searches were instrumental in finding evidence against Mr Doe. They identified multiple examples he had downloaded and viewed, including birdwatching guides, email results and many hits for bird wallpapers and screensavers. There was also an incriminating search result for “bird mating calls”.

Suggestions for future Investigations

There are multiple avenues for potential future investigation. There was evidence Mr Doe used two USB drives that could not be located. His email group is perhaps the most promising, to try and identify his other contacts and their illicit activities. In addition, his real.com account could be investigated for his activities on the site. There is also the phone number that was recovered, although it is lacking an area code. Images found on John Doe’s drive show groups of individuals taking part in bird watching, so a further investigation into these other people could prove vital.

Equipment Required for Court Proceedings

A Windows computer running Windows 10 with a large enough monitor/display to show the investigations productions such as tables would be advisable. A printer to create paper copies of these tables for the jury to look at, is strongly recommended. Alternately Microsoft Excel would be useful to have installed so that the raw tables can be viewed by the court.

Appendices

Appendix 1: Table of 133 Recovered Illicit Images. This includes their name, where they were found, what time they were approximately written into the drive (some dates are unavailable), and how big each image is. Approximately 18.94 MB (19856442 bytes) were flagged as explicit material. Some, such as those found in \$OrphanedFiles are deleted items.

Picture Number	File	File Path	Changed Time	Created Time	Size(Bytes)
1.	GreenHeronCloseup.jpg	/img_johnDoe.dd/vol_vol3/GreenHeronCloseup.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	237211
2.	BellbirdJumpingOffBranch.jpg	/img_johnDoe.dd/vol_vol3/BellbirdJumpingOffBranch.jpg	2005-02-03 11:42:20 GMT	2005-02-03 11:42:19 GMT	708321
3.	BaldEagle7oClock.jpg	/img_johnDoe.dd/vol_vol3/BaldEagle7oClock.jpg	2005-02-03 11:42:19 GMT	2005-02-03 11:42:19 GMT	236167
4.	GreenHeronOnChicagoLakeshore.jpg	/img_johnDoe.dd/vol_vol3/GreenHeronOnChicagoLakeshore.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	268603
5.	BlackNeckedStiltsFromBehind.jpg	/img_johnDoe.dd/vol_vol3/BlackNeckedStiltsFromBehind.jpg	2005-02-03 11:42:20 GMT	2005-02-03 11:42:20 GMT	250681
6.	GreatEgretOverflyingRoseateSpoonbills.jpg	/img_johnDoe.dd/vol_vol3/GreatEgretOverflyingRoseateSpoonbills.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	370427
7.	BlackSwan.jpg	/img_johnDoe.dd/vol_vol3/BlackSwan.jpg	2005-02-03 11:42:20 GMT	2005-02-03 11:42:20 GMT	307904
8.	ImmatureSnowyEgretTakingOff.jpg	/img_johnDoe.dd/vol_vol3/ImmatureSnowyEgretTakingOff.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	319226
9.	BlackVultureSunningOnPost.jpg	/img_johnDoe.dd/vol_vol3/BlackVultureSunningOnPost.jpg	2005-02-03 11:42:20 GMT	2005-02-03 11:42:20 GMT	225055
10.	june03screen.jpg	/img_johnDoe.dd/vol_vol3/june03screen.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	61326
11.	blue_bird2.jpg	/img_johnDoe.dd/vol_vol3/blue_bird2.jpg	2005-02-03 15:43:48 GMT	2005-02-03 11:42:20 GMT	62646
12.	junescreen01.jpg	/img_johnDoe.dd/vol_vol3/junescreen01.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	194014
13.	brd_Ornithologist_TW G.jpg	/img_johnDoe.dd/vol_vol3/brd_Ornithologist_TW G.jpg	2005-02-03 11:42:20 GMT	2005-02-03 11:42:20 GMT	20618

14.	KeaAndMountain.jpg	/img_johnDoe.dd/vol_vol3/KeaAndMountain.jpg	2005-02-09 17:05:44 GMT	2005-02-09 17:05:43 GMT	215577
15.	KeaAtTopOfMacKinnonPass0930.jpg	/img_johnDoe.dd/vol_vol3/KeaAtTopOfMacKinnonPass0930.jpg	2005-02-09 17:05:44 GMT	2005-02-09 17:05:44 GMT	302422
16.	BarnOwl.jpg	/img_johnDoe.dd/vol_vol3/BarnOwl.jpg	2005-02-03 11:42:19 GMT	2005-02-03 11:42:19 GMT	141219
17.	AlmondMarshGreatBlueHeronStalling.jpg	/img_johnDoe.dd/vol_vol3/AlmondMarshGreatBlueHeronStalling.jpg	2005-02-09 17:06:28 GMT	2005-02-03 11:42:18 GMT	177015
18.	KeaEatingRentalCar.jpg	/img_johnDoe.dd/vol_vol3/KeaEatingRentalCar.jpg	2005-02-09 17:05:44 GMT	2005-02-09 17:05:44 GMT	318806
19.	GreatBlueHeronWithFish.jpg	/img_johnDoe.dd/vol_vol3/GreatBlueHeronWithFish.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	316153
20.	AmericanAvocetWinterPlumage.jpg	/img_johnDoe.dd/vol_vol3/AmericanAvocetWinterPlumage.jpg	2005-02-03 11:42:19 GMT	2005-02-03 11:42:19 GMT	169113
21.	KeaRetrievingBakedBeanCanFromTarn.jpg	/img_johnDoe.dd/vol_vol3/KeaRetrievingBakedBeanCanFromTarn.jpg	2005-02-09 17:05:44 GMT	2005-02-09 17:05:44 GMT	301837
22.	GreatEgretInVoloBog.jpg	/img_johnDoe.dd/vol_vol3/GreatEgretInVoloBog.jpg	2005-02-09 17:05:43 GMT	2005-02-09 17:05:43 GMT	222087
23.	AmericanWhitePelicansCircling.jpg	/img_johnDoe.dd/vol_vol3/AmericanWhitePelicansCircling.jpg	2005-02-03 11:42:19 GMT	2005-02-03 11:42:19 GMT	201333
24.	AA784519d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/AA784519d01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:09 GMT	64932
25.	A3D4DDDDd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/A3D4DDDDd01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:10 GMT	22256
26.	BF5BE9D9d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/BF5BE9D9d01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:10 GMT	68814
27.	E1663DDEd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/E1663DDEd01	2005-02-09 11:26:37 GMT	2005-02-03 15:00:00 GMT	38541
28.	1238C212d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/1238C212d01	2005-02-09 11:26:35 GMT	2005-02-03 15:00:00 GMT	34102
29.	5E5570B4d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/5E5570B4d01	2005-02-09 11:26:36 GMT	2005-02-03 15:04:11 GMT	61126
30.	67BAEB46d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/67BAEB46d01	2005-02-09 11:26:36 GMT	2005-02-03 15:01:55 GMT	18207

31.	A0016363d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/A0016363d01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:00 GMT	44933
32.	3E8462AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8462AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:00 GMT	53073
33.	3E8762AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8762AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:01 GMT	59614
34.	3E8662AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8662AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:01 GMT	53025
35.	3E8162AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8162AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:01 GMT	45230
36.	3E8262AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8262AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:01 GMT	55988
37.	3E8C62AFd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/3E8C62AFd01	2005-02-09 11:26:35 GMT	2005-02-03 15:04:02 GMT	102828
38.	EF29AEAEd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/EF29AEAEd01	2005-02-09 11:26:38 GMT	2005-02-03 15:04:02 GMT	61252
39.	93C4F412d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/93C4F412d01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:02 GMT	39119
40.	6A161D2Fd01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/6A161D2Fd01	2005-02-09 11:26:36 GMT	2005-02-03 15:04:03 GMT	109666
41.	4C3E89C6d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/4C3E89C6d01	2005-02-09 11:26:36 GMT	2005-02-03 15:04:03 GMT	66372
42.	A2E5F216d01	/img_johnDoe.dd/vol_vol2/\$OrphanFiles/A2E5F216d01	2005-02-09 11:26:37 GMT	2005-02-03 15:04:05 GMT	60146
43.	frankbeecostume_1827_34457581	/img_johnDoe.dd/vol_vol2/Program Files/frankbeecostume_1827_34457581	2005-02-03 15:42:16 GMT	2005-02-03 15:42:16 GMT	15763
44.	frankbeecostume_1827_84985892	/img_johnDoe.dd/vol_vol2/Program Files/frankbeecostume_1827_84985892	2005-02-03 15:42:16 GMT	2005-02-03 15:42:16 GMT	10295
45.	frankbeecostume_1827_96360352	/img_johnDoe.dd/vol_vol2/Program Files/frankbeecostume_1827_96360352	2005-02-03 15:42:16 GMT	2005-02-03 15:42:16 GMT	14815
46.	Firefox Wallpaper.bmp	/img_johnDoe.dd/vol_vol2/WINDOWS/Firefox Wallpaper.bmp	2005-02-02 14:16:37 GMT	2005-02-02 14:16:36 GMT	2359350
47.	BrushTurkeyPerching.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/BrushTurkeyPerching.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	283687

48.	CanadaGoose.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/CanadaGoose.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	181210
49.	CanadaGooseWashing.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/CanadaGooseWashing.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	269930
50.	ChestnutMandibledToucan.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/ChestnutMandibledToucan.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	312574
51.	CrouchingKokako.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/CrouchingKokako.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	288908
52.	brd_WoodDuck.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/brd_WoodDuck.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	41654
53.	Brolga.jpg	/img_johnDoe.dd/vol_vol2/WINDOWS/CrouchingKokako.dll/Brolga.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	285210
54.	FantailFrontView.exe	/img_johnDoe.dd/vol_vol2/WINDOWS/mui/FantailFrontView.exe	2005-02-03 14:42:52 GMT	2005-02-03 14:40:40 GMT	311341
55.	johndoe.bmp	/img_johnDoe.dd/vol_vol2/Documents and Settings/All Users/Application Data/Microsoft/User Account Pictures/johndoe.bmp	2005-01-24 16:39:14 GMT	2005-01-24 15:57:36 GMT	6976
56.	birdtrans2.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Desktop/birdtrans2.jpg	2005-02-03 15:04:48 GMT	2005-02-03 15:04:48 GMT	59614
57.	snow_geese.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/snow_geese.jpg	2005-02-02 14:18:53 GMT	2005-02-02 14:18:52 GMT	148996
58.	177.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/177.jpg	2005-02-03 15:01:39 GMT	2005-02-03 15:01:38 GMT	9310
59.	40m.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/40m.jpg	2005-02-02 14:43:36 GMT	2005-02-02 14:43:35 GMT	6195
60.	7107298.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/7107298.jpg	2005-02-02 14:20:33 GMT	2005-02-02 14:20:33 GMT	10357
61.	tn_duck_3.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/tn_duck_3.jpg	2005-02-02 14:18:12 GMT	2005-02-02 14:18:10 GMT	3290
62.	babyscot_2weeks1.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/babyscot_2weeks1.jpg	2005-02-03 15:00:27 GMT	2005-02-03 15:00:27 GMT	34102
63.	babyscot_vyoung.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/babyscot_vyoung.jpg	2005-02-03 15:00:19 GMT	2005-02-03 15:00:19 GMT	38541
64.	chicks2.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures/chicks2.jpg	2005-02-03 15:05:03 GMT	2005-02-03 15:05:03 GMT	39119
65.	image_0.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Music/Doc1.doc/image_0.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	311341

66.	BC7 feeding the birds.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/BC7 feeding the birds.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	109783
67.	glfs-storm-birds.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/glfs-storm-birds.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	82719
68.	colorful-birds.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/colorful-birds.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	100887
69.	7EYBTSELF1KAN.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/7EYBTSELF1KAN.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	18484
70.	IMG_3937_filtered.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/IMG_3937_filtered.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	76951
71.	IMG_3937_filtered.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/IMG_3937_filtered.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	76951
72.	gawall8.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/gawall8.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	24716
73.	cute_penguin.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox/cute_penguin.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	19295
74.	83E8FA9Dd01	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/Cache/83E8FA9Dd01	2005-02-09 11:27:14 GMT	2005-02-09 11:27:13 GMT	69220
75.	B6E0589Dd01	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/Cache/B6E0589Dd01	2005-02-09 11:27:14 GMT	2005-02-09 11:27:14 GMT	69330
76.	B2906B79d01	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/Cache/B2906B79d01	2005-02-09 11:27:15 GMT	2005-02-09 11:27:15 GMT	80954

77.	3328DD4Ed01	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/Cache/3328DD4Ed01	2005-02-09 11:27:16 GMT	2005-02-09 11:27:16 GMT	71543
78.	B6E058BDd01	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/Cache/B6E058BDd01	2005-02-09 11:27:18 GMT	2005-02-09 11:27:18 GMT	69330
79.	ready2fledge.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/bob/My Documents/My Music/ready2fledge.jpg	2005-02-03 15:06:42 GMT	2005-02-03 15:06:42 GMT	78342
80.	newbies2.jpg	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/newbies2.jpg	2005-02-03 15:05:44 GMT	2005-02-03 15:05:44 GMT	55740
81.	f0002368.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0002368.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	708321
82.	f0592136.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0592136.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	109666
83.	f0533600.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0533600.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	64932
84.	f0526960.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0526960.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	102828
85.	f0441536.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0441536.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	61252
86.	f0440944.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0440944.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	59614
87.	f0439400.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0439400.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	55988
88.	f0438640.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0438640.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	45230
89.	f0416072.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0416072.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	22256
90.	f0415008.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0415008.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	53025
91.	f0382464.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0382464.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	53073
92.	f0360392.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0360392.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	66372
93.	f0345656.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0345656.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	44933
94.	f0345832.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0345832.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	39119
95.	f0045880.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0045880.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	11049
96.	Df1.jpg	/img_johnDoe.dd/vol_vol3/RECYCLER/S-1-5-21-725345543-854245398-1202660629-1003/Df1.jpg	2005-02-03 15:43:48 GMT	2005-02-03 11:42:20 GMT	62646
97.	f0009552.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0009552.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	215577
98.	f0009976.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0009976.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	302422

99.	f0010568.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0010568.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	318806
100.	f0011192.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0011192.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	301837
101.	f0000536.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0000536.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	177015
102.	f0000888.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0000888.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	169113
103.	f0001224.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0001224.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	201333
104.	f0001624.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0001624.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	236167
105.	f0002088.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0002088.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	141219
106.	f0003752.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0003752.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	250681
107.	f0004248.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0004248.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	307904
108.	f0004856.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0004856.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	225055
109.	f0005296.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0005296.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	62646
110.	f0005640.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0005640.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	316153
111.	f0006264.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0006264.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	222087
112.	f0006704.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0006704.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	370427
113.	f0007432.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0007432.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	237211
114.	f0007896.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0007896.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	268603
115.	f0008424.jpg	/img_johnDoe.dd/vol_vol3/\$CarvedFiles/f0008424.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	319226
116.	f0310480.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0310480.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	2984
117.	f0033904.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0033904.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	3698
118.	f0033912.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0033912.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	3288
119.	f0033928.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0033928.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	2603
120.	f0056920.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0056920.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	3635
121.	f0056944.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0056944.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	2766
122.	f0056936.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0056936.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	2702
123.	f0056952.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0056952.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	3356

124.	f0056976.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0056976.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	3698
125.	f0387624.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0387624.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	18207
126.	f0189136.gif	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0189136.gif	0000-00-00 00:00:00	0000-00-00 00:00:00	4891
127.	f0443520.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0443520.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	60146
128.	f0597584.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0597584.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	2984
129.	aggressive_song.wav	/img_johnDoe.dd/vol_vol2/Program Files/MSN/aggressive_song.wav	2005-02-09 17:00:50 GMT	2005-02-09 17:00:20 GMT	732984
130.	duck.bmp	/img_johnDoe.dd/vol_vol2/Documents and Settings/All Users/Application Data/Microsoft/User Account Pictures/Default Pictures/duck.bmp	2005-01-24 15:38:29 GMT	2005-01-24 15:38:29 GMT	6968
131.	J0178932.JPG	/img_johnDoe.dd/vol_vol2/Program Files/Microsoft Office/CLIPART/PUB60COR/J0178932.JPG	2005-01-25 10:45:44 GMT	2002-07-30 17:51:54 BST	35340
132.	J0341559.JPG	/img_johnDoe.dd/vol_vol2/Program Files/Microsoft Office/CLIPART/PUB60COR/J0341559.JPG	2005-01-25 10:45:52 GMT	2002-07-30 17:44:16 BST	26739
133.	7EYBTSELF1KAN.jpg	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/ f0005296.txt/7EYBTSELF1KAN.jpg	0000-00-00 00:00:00	0000-00-00 00:00:00	1859

Appendix 2: Table of all webdata from John Doe's Drive extracted from 2005 into an Excel file.

Date/Time	Description	Event Type
1/24/2005 15:57	about:Home	Web History
1/24/2005 15:57	http://go.microsoft.com/fwlink/?LinkId=30857&clcid=0x409	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=CLinks	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=hotmail	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windowsmedia	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windows	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=IStart	Web Bookmarks
1/24/2005 15:57	http://www.microsoft.com/isapi/redir.dll?prd=windows	Web Bookmarks

	<u>&sbp=mediaplayer&plcid=&pver=6.1&os=&over=&olcid=&clcid=&ar=Media&sba=RadioBar&o1=&o2=&o3=</u>	
1/24/2005 16:13	res\WINDOWS\system32\shdoclc.dll/dnserror.htm	Web History
1/24/2005 16:13	file\WINDOWS\system32\obe\actshell.htm	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/tgar.js?1/24/2005%208:15:21%20AM</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/redirect.js?1/24/2005%208:15:21%20AM</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/commonstop.js?1/24/2005%208:15:21%20AM</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/webcomtop.js?1/24/2005%208:15:21%20AM</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/spupdateids.js?1/24/2005%208:15:21%20AM</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/survey.js?632421512922307396</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/SelfUpdate/wuident.cab?0501241615</u>	Web History
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/SelfUpdate/AU/x86/XP/en/wusetup.cab?0501241615</u>	Web History
1/24/2005 16:15	microsoft.com/	Web Cookies
1/24/2005 16:15	<u>http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/survey.js?632421512871551603</u>	Web History
1/24/2005 16:15	javascript:parent.fnExpressScan();	Web History
1/24/2005 16:16	<u>http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=612e66c8b</u>	Web History
1/24/2005 16:16	<u>http://v5.windowsupdate.m</u>	Web History

	icrosoft.com/v5consumer/resultslist.aspx?ln=en-us&id=6	
1/24/2005 16:16	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/resultslist.js?1/24/2005%208:16:07%20AM	Web History
1/24/2005 16:19	http://www.linorg.usp.br/mozilla//firefox/releases/1.0/win32/en-GB/Firefox%20Setup%201.0.exe	Web History
1/24/2005 16:20	http://www.linorg.usp.br/mozilla//firefox/releases/1.0/win32/en-GB/Firefox%20Setup%201.0.exe	Web History
1/24/2005 16:21	http://www.mozilla.org/images/ff_shirt.jpg	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox/featuring-flash.gif	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox/	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox/featuring-java.gif	Web History
1/24/2005 16:21	http://www.mozilla.org/images/product-firefox-screen.png	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox/featuring-shockwave.gif	Web History
1/24/2005 16:21	http://i.i.com.com/cnwk.1d/i/cobd/ec/EC_nov04_39x72.gif	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox/featuring-realplayer.gif	Web History
1/24/2005 16:21	http://www.mozilla.org/products/firefox	Web History
1/24/2005 16:21	http://download.mozilla.org/?product=firefox&os=win&lang=en-GB	Web History
1/24/2005 16:22	http://mozilla.mirrors.tds.net/pub/mozilla.org/firefox/releases/1.0/win32/en-GB/Firefox%20Setup%201.0.exe	Web History
1/24/2005 16:22	http://mozilla.mirrors.tds.net/pub/mozilla.org/firefox/r	Web History

	eases/1.0/win32/en-GB/Firefox%20Setup%201.0.exe	
1/24/2005 16:22	http://v5.windowsupdate.microsoft.com/v5consumer/InstallStatus.aspx?page=0&ln=en-us	Web History
1/24/2005 16:22	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/warning.gif	Web History
1/24/2005 16:22	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/ok.gif	Web History
1/24/2005 16:22	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/info_16x.gif	Web History
1/24/2005 16:22	http://c.microsoft.com/transaction_pixel.asp?source=v5.windowsupdate&TYPE=PV&p=v5consumer_InstallStatus.aspx&r=http%3A//v5.windowsupdate.microsoft.com/v5consumer/default.aspx%3Fln%3Den-us	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-calendar.png	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-mozilla.png	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-firefox.png	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-camino.png	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-thunderbird.png	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-bugzilla.png	Web History
1/24/2005 16:23	http://www.mozilla.org/products/	Web History
1/24/2005 16:23	http://www.mozilla.org/products	Web History
1/24/2005 16:23	http://www.mozilla.org/css/base/content.css	Web History
1/24/2005 16:23	http://www.mozilla.org/css/cavendish/template.css	Web History
1/24/2005 16:23	http://www.mozilla.org/css/print.css	Web History
1/24/2005 16:23	http://www.mozilla.org/images/body_back.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/images/header_br.gif	Web History

1/24/2005 16:23	http://www.mozilla.org/images/header_tr.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/css/base/template.css	Web History
1/24/2005 16:23	http://www.mozilla.org/css/cavendish/content.css	Web History
1/24/2005 16:23	http://www.mozilla.org/images/header_bl.png	Web History
1/24/2005 16:23	http://www.mozilla.org/products/thunderbird/	Web History
1/24/2005 16:23	http://www.mozilla.org/images/key-point_back.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/images/header_logo.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/images/download_back.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/images/moz_shirt.jpg	Web History
1/24/2005 16:23	http://www.mozilla.org/images/shop_back.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/images/header_tl.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/products/thunderbird/award_softpediapick.gif	Web History
1/24/2005 16:23	http://www.mozilla.org/products/thunderbird	Web History
1/24/2005 16:23	http://www.mozilla.org/images/product-thunderbird-screen.png	Web History
1/24/2005 16:23	http://download.mozilla.org/?product=thunderbird&os=win&lang=en-US	Web History
1/24/2005 16:24	http://64.12.168.243/pub/mozilla.org/thunderbird/releases/1.0/win32/en-US/Thunderbird%20Setup%201.0.exe	Web History
1/24/2005 16:24	http://64.12.168.243/pub/mozilla.org/thunderbird/releases/1.0/win32/en-US/Thunderbird%20Setup%201.0.exe	Web History
1/24/2005 16:26	http://www.mozilla.org/images/header_tab.gif	Web History
1/24/2005 16:39	http://windowsupdate.microsoft.com/	Web History
1/24/2005 16:39	http://windowsupdate.microsoft.com	Web History
1/24/2005 16:39	http://windowsupdate.microsoft.com/redirect.js	Web History

1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/redirect.js?1/24/2005%208:40:03%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx?ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/tgar.js?1/24/2005%208:40:03%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/commontop.js?1/24/2005%208:40:03%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/webcomtop.js?1/24/2005%208:40:03%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/spupdateids.js?1/24/2005%208:40:03%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/mstoolbar.aspx?ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/library/toolbar/3.0/images/banners/windows_masthead_ltr.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/library/toolbar/3.0/css.aspx?c=/v5consumer/Config/en/shell.config	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/splash.aspx?page=0&ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/toc.aspx?ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/footer.aspx?ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.m	Web History

	icrosoft.com/library/toolbar/3.0/subbanner.aspx?t=V2luZG93cyBVcGRhdGU%3d&f=FFFFFF&b=5175C9&s=8EA7DD&r=False&font=Segoe%2c+13pt&v=0&c=qqGFWsSc4v0WWerYH8dwE2u3wvl%3d	
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s/hared/js/toc.js	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/library/toolbar/3.0/text.aspx?t=TQ%3d%3d&f=FFFFFF&b=6487DB&font=Microsoft+Logo+95%2c+13pt&w=105&h=29&a=0&l=0&v=0&c=DeMqBqiN3ORi7XLcgl%2fvxqO1OI4%3d	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s/hared/css/toc.css	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s/hared/images/icon_wu_installnow_16x.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx?ln=en-us	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s/hared/js/survey.js?632421527970738072	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/SelfUpdate/AU/x86/XP/en/wusetup.cab?0501241640	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/splash.aspx?page=3&cpuClass=x86&auenabled=false&ln=en-us	Web History
1/24/2005 16:40	http://c.microsoft.com/tran_s_pixel.asp?source=v5.windowsupdate&TYPE=PV&p=v5consumer_default.aspx	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s/hared/images/AU_bg_TopMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.m	Web History

	icrosoft.com/v5consumer/shared/images/Banners/en/Hdr_Welcome.jpg	
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/Hdr_Tall_Middle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/arrow.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_Button_Left.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_bg_LeftBottom.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/Hdr_Tall_Right.jpg	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_bg_RightTop.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_bg_LeftTop.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/survey.js?632421528169176842	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_Button_Right.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_ShieldYellow.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_bg_RightBottom.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/News_bg_RightTop.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/News_bg_RightTop.gif	Web History

	icrosoft.com/v5consumer/s_hared/images/AU_bg_LeftTop_Green.gif	
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_LeftBottom.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_BottomMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/news.aspx?ln=en	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/AU_bg_BottomMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/AU_bg_TopMiddle_Green.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/AU_ShieldGreen.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/AU_bg_RightMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_LeftTop.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_RightBottom.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_TopMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_bg_LeftMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/News_Info.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.m	Web History

	icrosoft.com/v5consumer/shared/images/AU_bg_LeftMiddle.gif	
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_bg_RightTop_Green.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/AU_ButtonMiddle.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/News_bg_RightMiddle.gif	Web History
1/24/2005 16:40	http://c.microsoft.com/trans_pixel.asp?source=v5.windowsupdate&TYPE=PV&p=v5consumer_splash.aspx&r=http%3A/v5.windowsupdate.microsoft.com/v5consumer/default.aspx%3FIn%3Den-us	Web History
1/24/2005 16:40	javascript:parent.fnScan();	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=060cadd56	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/toc_endnode.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/images/toc_collapsed.gif	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/shared/js/resultslist.js?1/24/2005%208:40:14%20AM	Web History
1/24/2005 16:40	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=0	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=1&LinkId=SOFTWARE&TocIndex=e4f1a332	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s	Web History

	hared/css/content.css	
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/js/resultslist.js?1/24/2005%208:41:09%20AM	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/js/content.js	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/js/tgar.js	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/toc_expanded.gif	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/css/hcp.css	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=1&LinkId=SOFTWARE&ToIndex=	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/Banners/en/Hdr_ExpressInstall.jpg	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/b_lank.aspx	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/Hdr_Shrt_Right.jpg	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/Hdr_Shrt_Middle.jpg	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/Banners/en/Hdr_InstallBasket.jpg	Web History
1/24/2005 16:41	http://v5.windowsupdate.microsoft.com/v5consumer/s_hared/images/Banners/en/Hdr_CustomInstall.jpg	Web History
1/24/2005 16:41	http://c.microsoft.com/trans_pixel.asp?source=v5.windowsupdate&TYPE=PV&p=v5consumer_resultslist.aspx&re=http%3A//v5.windowsupd	Web History

	ate.microsoft.com/v5consumer/toc.aspx%3Fln%3Den-us	
1/25/2005 11:16	about:blank	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/1ptrans_ZA06047535.gif	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?assetid=ZA011158451033	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?assetid=ZA010499831033	Web History
1/25/2005 11:16	http://office.microsoft.com/en-gb/officeupdate/default.aspx	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?assetid=ZA011035021033	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?assetid=ZA011708901033	Web History
1/25/2005 11:16	http://office.microsoft.com/Services/Ont/images/RghtArrBlt.gif	Web History
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?assetid=HX010492821033	Web History
1/25/2005 11:16	http://c.microsoft.com/transaction/pixel.aspx?TYPE=SSPV&SOURCE=OFFICE&guid=1f4fc18c-f71e-47fb-8fc9-612f8ee59c61&URI=/en-GB/officeupdate/default.aspx	Web History
1/25/2005 11:16	http://office.microsoft.com/Services/Ont/images/BulletLN.gif	Web History
1/25/2005 11:16	http://office.microsoft.com/search/redir.aspx?AssetID=ES790020331033&Origin=HH010704921033&CTT=5	Web History
1/25/2005 11:16	office.microsoft.com/	Web Cookies
1/25/2005 11:16	http://office.microsoft.com/en-gb/FX010329501033.aspx	Web History
1/25/2005 11:16	?CodeDownloadErrorLog!name={3E68E405-C6DE-49FF-83AE-41EE9F4C36CE}	Web History
1/25/2005 11:16	http://office.microsoft.com/	Web History

	global/images/default.aspx?AssetID=ZA011357811033	
1/25/2005 11:16	http://office.microsoft.com/global/images/default.aspx?AssetID=ZA011357821033	Web History
1/25/2005 11:16	http://office.microsoft.com/en-gb/FX010329501033.aspx	Web History
1/25/2005 11:16	http://c.microsoft.com/transaction_pixel.aspx?TYPE=SSPV&SOURCE=OFFICE&guid=1f4fc18c-f71e-47fb-8fc9-612f8ee59c61&URI=/en-GB/home/office/FX010329501033.aspx	Web History
1/25/2005 11:17	http://office.microsoft.com/officeupdate/content/opuc.cab	Web History
1/25/2005 11:17	http://office.microsoft.com/officeupdate/catalog/xml/1033/SP1_11_1033.xml?632422172995214127	Web History
1/25/2005 11:17	http://office.microsoft.com/officeupdate/catalog/xml/1033/OLKFTR_0.xml?632422172995214127	Web History
1/25/2005 11:25	http://office.microsoft.com/en-gb/FX010355751033.aspx	Web History
1/25/2005 11:25	http://office.microsoft.com/en-gb/FX010355751033.aspx	Web History
1/25/2005 11:25	http://c.microsoft.com/transaction_pixel.aspx?TYPE=SSPV&SOURCE=OFFICE&guid=1f4fc18c-f71e-47fb-8fc9-612f8ee59c61&URI=/en-GB/home/office/FX010355751033.aspx	Web History
1/25/2005 11:26	http://office.microsoft.com/search/redir.aspx?AssetID=ES790020331033&CTT=5&Origin=HA010492041033	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/maincatalog.aspx?lc=en-gb	Web History
1/25/2005 11:26	http://office.microsoft.com/Services/ont/images/WWGlobe.gif	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/arrowright.gif	Web History

1/25/2005 11:26	http://office.microsoft.com/officeupdate/mainsc.js?11,0,6412,0	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/catalog/SiteBaselines.xml?632422172995214127	Web History
1/25/2005 11:26	http://c.microsoft.com/trans_pixel.aspx?TYPE=SSPV&SOURCE=OFFICE&guid=1f4fc18c-f71e-47fb-8fc9-612f8ee59c61&URI=/en-GB/officeupdate/maincatalog.aspx	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/maincatalog.aspx?lc=en-gb	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/catalog/ActiveBundles.xml?632422172995214127	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/catalog/xml/1033/INFPXSN11_1033.xml?632422172995214127	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/catalog/xml/1033/FGC11_0.xml?632422172995214127	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/wizardUpdate.aspx	Web History
1/25/2005 11:26	http://office.microsoft.com/_Services/Ont/images/ONTLogoLt.gif	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/wizardFrame.aspx	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/disk.gif	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/bang.gif	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/check.gif	Web History
1/25/2005 11:26	http://office.microsoft.com/officeupdate/timer.gif	Web History
1/25/2005 11:27	http://office.microsoft.com/_Services/Ont/images/bulletl.gif	Web History
1/25/2005 11:27	http://office.microsoft.com/_Services/Ont/images/TBGr	Web History

	adient.gif	
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/oo.js	Web History
1/25/2005 11:33	http://office.microsoft.com/en-gb/FX010354621033.aspx	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/ONTLogo.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/topnav3r.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/WWGlobe.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/ONLPICellSpcr2.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/cg2057.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/topnav2m.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/topnav2r.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/footerl.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/global/images/default.aspx?assetid=ZA011153081033	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/ONLHorzSpcrTail.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/global/images/default.aspx?AssetID=ZA010499831033	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/ONLItemBk.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/ONLBulCol.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/_Services/Ont/images/footerMSLogo.gif	Web History
1/25/2005 11:33	http://office.microsoft.com/en-gb/FX010354621033.aspx	Web History

1/25/2005 11:33	http://c.microsoft.com/tran_s_pixel.aspx?TYPE=SSPV&SOURCE=OFFICE&guid=1f4fc18c-f71e-47fb-8fc9-612f8ee59c61&URI=/en-GB/home/office/FX010354621033.aspx	Web History
2/2/2005 14:18	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/tn_duck_3.jpg	Web History
2/2/2005 14:18	http://www.mozilla.org/products/thunderbird	Web History
2/2/2005 14:18	www.linorg.usp.br	Web History
2/2/2005 14:18	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx	Web History
2/2/2005 14:18	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=1&LinkId=SOFTWARE&ToCIndex=	Web History
2/2/2005 14:18	http://www.linorg.usp.br/mozilla//firefox/releases/1.0/win32/en-GB/Firefox%20Setup%201.0.exe	Web History
2/2/2005 14:18	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=0	Web History
2/2/2005 14:18	v5.windowsupdate.microsoft.com	Web History
2/2/2005 14:18	64.12.168.243	Web History
2/2/2005 14:18	http://www.mozilla.org/products/firefox	Web History
2/2/2005 14:18	http://v5.windowsupdate.microsoft.com/v5consumer/resultslist.aspx?ln=en-us&id=6	Web History
2/2/2005 14:18	file/WINDOWS/system32/oobe/actshell.htm	Web History
2/2/2005 14:18	http://www.mozilla.org/products	Web History
2/2/2005 14:18	My Computer	Web History
2/2/2005 14:18	mozilla.mirrors.tds.net	Web History
2/2/2005 14:18	http://v5.windowsupdate.microsoft.com/v5consumer/default.aspx?ln=en-us	Web History
2/2/2005 14:18	www.mozilla.org	Web History
2/2/2005 14:18	file/Documents%20and%20	Web History

	Settings/johndoe/My%20Documents/My%20Pictures/snow_geese.jpg	
2/2/2005 14:20	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/7107298.jpg	Web History
2/2/2005 14:25	file/Documents%20and%20Settings/johndoe/My%20Documents/aa010703a.htm	Web History
2/2/2005 14:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/wbpremium_s.jpg	Web History
2/2/2005 14:29	file/Documents%20and%20Settings/johndoe/My%20Documents/nestboxtips.txt	Web History
2/2/2005 14:43	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/40m.jpg	Web History
2/2/2005 14:57	file/Program%20Files/Real/RealPlayer/DataCache/Login/index.html	Web History
2/2/2005 14:57	http://home.real.com/signin/3.0/loader.html?cd=firstrun_acct&loader=2.0&LI=en&PV=6.0.12.1053	Web History
2/2/2005 14:57	http://home.real.com/signin/common/log/log.html?configcount=1&distcode=NSP01D&build=6.0.12.1053&overinstall=&LI=en&prefix=FIRSTRUN&rnd=1107356239593	Web History
2/2/2005 14:57	?CodeDownloadErrorLog!name={00EF2092-6AC5-47C0-BD25-CF2D5D657FEB}	Web History
2/2/2005 14:57	http://home.real.com/signin/common/log/log.html?toolbar=Google&action=istoolbarregistered%20error&code=3&offer=20050119_4&bundled=true&configcount=1&distcode=NSP01D&build=6.0.12.1053&overinstall=&LI=en&prefix=TOOLBAR_OFFER&rnd=1107356243619	Web History
2/2/2005 15:04	http://i.real.com/g/pics/space.gif	Web History
2/2/2005 15:04	real.com/	Web Cookies

2/2/2005 15:04	http://www.real.com/intro/index.html?DC=NSP01D&optin=true&country=gb&language=en-gb&icon=tiscali	Web History
2/2/2005 15:04	http://realguide.real.com/4plus/main_.js	Web History
2/2/2005 15:04	http://www.real.com/intro/index_upsell_manager.html?DC=NSP01D&optin=true&country=gb&language=en-gb&icon=tiscali&LI=en&PBR=10485800	Web History
2/2/2005 15:04	http://www.real.com/4plus/trinity_.css	Web History
2/2/2005 15:04	http://i.real.com/pics/real/intro/bttn_disabled.gif	Web History
2/2/2005 15:04	http://images.real.com//pics/space.gif	Web History
2/2/2005 15:04	http://images.real.com//pics/real/common/bull_tri.gif	Web History
2/2/2005 15:04	http://www.real.com/intro/index_upsell_manager.html?DC=NSP01D&optin=true&country=gb&language=en-gb&icon=tiscali&LI=en&PBR=10485800	Web History
2/2/2005 15:04	http://i.real.com/pics/real/intro/bttn_enabled.gif	Web History
2/2/2005 15:04	javascript:catchEvent('continue');	Web History
2/2/2005 15:04	https://account.real.com/account/intro/msg.html?msg=frweur	Web History
2/2/2005 15:04	http://i.real.com/pics/real/intro/bttn_down.gif	Web History
2/2/2005 15:04	http://i.real.com/pics/real/intro/bttn_over.gif	Web History
2/2/2005 15:04	https://account.real.com/account/intro/msg.html?msg=frweur	Web History
2/2/2005 15:04	res\Program%20Files\Real\RealPlayer\rpplugins\rpmn3260.dll/black.html	Web History
2/2/2005 15:04	file/Program%20Files/Real/RealPlayer/Firstrun/1.htm	Web History
2/2/2005 17:03	file/Program%20Files/Adobe/Acrobat%207.0/Reader/Legal/Adobe%20Reader/7.0.0/en_US/license.html	Web History
2/3/2005 10:13	http://go.microsoft.com/fwlink/?LinkId=30857&clcid=0x	Web Bookmarks

	409	
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=CLinks	Web Bookmarks
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=hotmail	Web Bookmarks
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windowsmedia	Web Bookmarks
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windows	Web Bookmarks
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=IStart	Web Bookmarks
2/3/2005 10:13	http://www.microsoft.com/isapi/redir.dll?prd=windows&sbp=mediaplayer&plcid=&pver=6.1&os=&over=&olcid=&clcid=&ar=Media&sba=RadioBar&o1=&o2=&o3=	Web Bookmarks
2/3/2005 11:23	http://go.microsoft.com/fwlink/?LinkId=30857&clcid=0x409	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=IStart	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=windows&sbp=mediaplayer&plcid=&pver=6.1&os=&over=&olcid=&clcid=&ar=Media&sba=RadioBar&o1=&o2=&o3=	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=ie&pver=6&ar=CLinks	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=hotmail	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windowsmedia	Web Bookmarks
2/3/2005 11:23	http://www.microsoft.com/isapi/redir.dll?prd=ie&ar=windows	Web Bookmarks
2/3/2005 11:50	http://www-config.strath.ac.uk/proxy.config	Web History
2/3/2005 12:20	file/Documents%20and%20Settings/johndoe/Applicatio	Web History

	n%20Data/Mozilla/Firefox/P rofiles/w4nf3obl.default/bo okmarks.html	
2/3/2005 12:22	file/birds/audio/aggressive_ song.wav	Web History
2/3/2005 14:14	file/EvanstonWoodpecker.jp g	Web History
2/3/2005 14:17	file/Documents%20and%20 Settings/All%20Users/Docu ments/My%20Music/Sampl e%20Music/Doc1.doc	Web History
2/3/2005 14:49	file/birds/Killdeer.jpg	Web History
2/3/2005 15:00	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/My%20Pictures/ba byscot_vyoung.jpg	Web History
2/3/2005 15:00	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/My%20Pictures/ba byscot_2weeks1.jpg	Web History
2/3/2005 15:01	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/My%20Pictures/17 7.jpg	Web History
2/3/2005 15:02	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/ostbk2b2.htm	Web History
2/3/2005 15:04	file/Documents%20and%20 Settings/johndoe/Desktop/ birdtrans2.jpg	Web History
2/3/2005 15:05	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/My%20Pictures/ch icks2.jpg	Web History
2/3/2005 15:05	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/newbies2.jpg	Web History
2/3/2005 15:06	file/Documents%20and%20 Settings/bob/My%20Docum ents/My%20Music/ready2fl edge.jpg	Web History
2/3/2005 15:49	file/birdwatching.doc	Web History
2/3/2005 15:51	file/birds/non%20images/B ookList.doc	Web History
2/3/2005 15:52	file/birds/non%20images/Bi rdingGuide.pdf	Web History
2/9/2005 11:28	file/Documents%20and%20 Settings/johndoe/My%20Do cuments/birds.zip	Web History
2/9/2005 11:28	file/Documents%20and%20 Settings/All%20Users/Docu	Web History

	ments/My%20Music/Sample%20Music/Doc1.doc	
2/9/2005 11:28	My Computer	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/FirstRun/1.htm	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/DataCache/Login/index.html	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/7107298.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/kakapo.ram	Web History
2/9/2005 11:28	file/Prac5/Q3%20Thread%20(Statechart).gif	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/40m.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/177.jpg	Web History
2/9/2005 11:28	file/birdwatching.doc	Web History
2/9/2005 11:28	file/Prac4/Prac4.gif	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/ostbk2b2.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/Application%20Data/Mozilla/Firefox/Profiles/w4nf3obl.default/cookies.txt	Web History
2/9/2005 11:28	http://www.real.com/intro/index_upsell_manager.html?DC=NSP01D&optin=true&country=gb&language=en-gb&icon=tiscali&LI=en&PBR=10485800	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/nestboxtips.txt	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/aa010703a.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/tn_duck_3.jpg	Web History

2/9/2005 11:28	https://account.real.com/account/intro/msg.html?msg=frweur	Web History
2/9/2005 11:28	file/birds/audio/aggressive_song.wav	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/Desktop/birdtrans2.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/wbpremium_s.jpg	Web History
2/9/2005 11:28	file/WINDOWS/ODBC.INI	Web History
2/9/2005 11:28	file/Program%20Files/Adobe/Acrobat%207.0/Reader/Legal/Adobe%20Reader/7.0.0/en_US/license.html	Web History
2/9/2005 11:28	account.real.com	Web History
2/9/2005 11:28	file/EvanstonWoodpecker.jpg	Web History
2/9/2005 11:28	www.real.com	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/babyscot_vyoung.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/babyscot_2weeks1.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/newbies2.jpg	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/Firstrun/context.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/snow_geese.jpg	Web History
2/9/2005 11:28	file/birds/non%20images/B ookList.doc	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/All%20Users/Documents/My%20Music/Sample%20Music/Doc1.doc	Web History
2/9/2005 11:28	My Computer	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/Firstrun/1.htm	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/DataCache/Login/index.html	Web History

2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/7107298.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/kakapo.ram	Web History
2/9/2005 11:28	file/Prac5/Q3%20Thread%20(Statechart).gif	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/40m.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/177.jpg	Web History
2/9/2005 11:28	file/birdwatching.doc	Web History
2/9/2005 11:28	file/Prac4/Prac4.gif	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/ostbk2b2.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/Application%20Data/Mozilla/Firefox/Profiles/w4nf3obl.default/cookies.txt	Web History
2/9/2005 11:28	http://www.real.com/intro/index_upsell_manager.html?DC=NSP01D&optin=true&country=gb&language=en-gb&icon=tiscali&LI=en&PBR=10485800	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/nestboxtips.txt	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/aa010703a.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/tn_duck_3.jpg	Web History
2/9/2005 11:28	https://account.real.com/acct/intro/msg.html?msg=frweur	Web History
2/9/2005 11:28	file/birds/audio/aggressive_song.wav	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/Desktop/birdtrans2.jpg	Web History

2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/wbpremium_s.jpg	Web History
2/9/2005 11:28	file/WINDOWS/ODBC.INI	Web History
2/9/2005 11:28	file/Program%20Files/Adobe/Acrobat%207.0/Reader/Legal/Adobe%20Reader/7.0.0/en_US/license.html	Web History
2/9/2005 11:28	account.real.com	Web History
2/9/2005 11:28	file/EvanstonWoodpecker.jpg	Web History
2/9/2005 11:28	www.real.com	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/babyscot_vyoung.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/babyscot_2weeks1.jpg	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/newbies2.jpg	Web History
2/9/2005 11:28	file/Program%20Files/Real/RealPlayer/FirstRun/context.htm	Web History
2/9/2005 11:28	file/Documents%20and%20Settings/johndoe/My%20Documents/My%20Pictures/snow_geese.jpg	Web History
2/9/2005 11:28	file/birds/non%20images/B ookList.doc	Web History
2/9/2005 16:57	file/Documents%20and%20Settings/johndoe/My%20Documents/stuf.doc	Web History

Appendix 3 – Table of data from targeted keyword search

Location	Change Time	Created Time	Size (bytes)	Extension	Keyword Preview
/img_johnDoe.dd/vol_v ol2/\$Carved Files/f0072032.html.gz/f0072032.html	0000-00-00 00:00:00	0000-00-00 00:00:00	21281	html	000 for «bird» screensavers . (0.46 seconds) «Bird» Screensavers
/img_johnD	2005-02-03	2005-02-03	4490	htm	The amount

oe.dd/vol_v ol2/Documents and Settings/joh ndoe/My Documents/ ostbk2b2.ht m	15:02:45 GMT	15:02:45 GMT			of space per «bird», for both indoor and outdoor
/img_johnD oe.dd/vol_v ol2/\$MFT	2005-01-24 15:56:15 GMT	2005-01-24 15:56:15 GMT	18104320		'Wild «Bird» Feeders', 'wil d «bird» feeders', «Bi rd» Seed'
/img_johnD oe.dd/vol_v ol3/guide.d oc	2005-02-03 15:44:05 GMT	2005-02-03 15:44:05 GMT	25088	doc	on their knowledge and «bird»- finding skills. Staying
/img_johnD oe.dd/vol_v ol2/\$Orpha nFiles/1238 C212d01- slack	2005-02-09 11:26:35 GMT	2005-02-03 15:00:00 GMT	2762		85- 2744400> Collins «Bird» Guide: The Most Complete
/img_johnD oe.dd/vol_v ol2/Docume nts and Settings/joh ndoe/Recen t/aggressive _song.wav.l nk-slack	2005-02-09 17:00:50 GMT	2005-02-03 12:22:51 GMT	3420	Ink-slack	Sparrow Starling Black «bird» Robin
/img_johnD oe.dd/vol_v ol2/birdwat ching.doc	2005-02-03 15:49:26 GMT	2005-02-03 15:49:19 GMT	42496	doc	REPORT «BIRD» SPECIES OBSERVED · TO REPORT «BIRD» SPECIES
/img_johnD oe.dd/vol_v ol2/Docume nts and Settings/joh ndoe/Applic ation Data/Thund	2005-02-09 11:09:58 GMT	2005-02-09 11:07:49 GMT	705698		2004 15:20:15 +0200 From: «Bird» Fanciers <mailinglist @birds

erbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox					
/img_johnDoe.dd/vol_vol2/Program Files/Microsoft Office/OFFICE11/1033/PUB6INTL.DLL	2005-01-25 11:23:15 GMT	2004-02-24 02:17:23 GMT	1514184	dll	and light. Stork: a large «bird» that carries babies in
/img_johnDoe.dd/vol_vol2/WINDOWS/Installer/\$PatchCache\$/Managed/9040110900063D11C8EF10054038389C/11.0.5614/PUB6INTL.DLL_1033	2005-01-25 11:21:19 GMT	2003-07-15 00:09:14 BST	1514048	dll_1033	and light. Stork: a large «bird» that carries babies in
/img_johnDoe.dd/vol_vol2/\$Carved Files/f0003080.html	0000-00-00 00:00:00	0000-00-00 00:00:00	16732	html	Help spread Firefox! Free «Bird» Wallpaper - Bald Eagle
/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox	2005-02-09 11:09:58 GMT	2005-02-09 11:07:49 GMT	705698		asked the clerk why the «bird» was so expensive. The
/img_johnDoe.dd/vol_vol2/Program Files/frankbeecostume_	2005-02-03 15:42:16 GMT	2005-02-03 15:42:16 GMT	1993		ID=\rdf:#\$1CbOg3\">Free «Bird» Wallpaper - Bald Eagle"

1827_84985 892-slack					
/img_johnD oe.dd/vol_v ol2/pagefile. sys	2005-02-09 03:10:18 GMT	2005-01-24 15:56:28 GMT	402653184	sys	B%3Aofficial _s&hl=en&q =«bird«+scr eensavers& meta=&btn
/img_johnD oe.dd/vol_v ol2/\$Carved Files/f02019 04.html.gz/f 0201904.ht ml	0000-00-00 00:00:00	0000-00-00 00:00:00	19768	html	birding, «bird« jokes, «bird« stamps, «bird« origami, «bird« songs
/img_johnD oe.dd/vol_v ol2/\$Carved Files/f00413 04.html.gz/f 0041304.ht ml	0000-00-00 00:00:00	0000-00-00 00:00:00	17677	html	10 of about 57,800 for «bird« mating calls. (0.36 seconds)
/img_johnD oe.dd/vol_v ol2/Program Files/Mozill a Firefox/chro me/en- GB.jar	2005-01-24 16:24:52 GMT	2005-01-24 16:24:34 GMT	316190	jar	rose a great «bird«. The «bird« gazed down upon
/img_johnD oe.dd/vol_v ol2/System Volume Information /_restore{F5 51F22F- 0FBF-41E1- AE7D- 8B7BB8E7F9 37}/RP13/sn apshot/_RE GISTRY_USE R_NTUSER_ S-1-5-21- 725345543- 854245398- 1202660629 -1003	2005-02-09 03:00:16 GMT	2005-02-09 03:00:16 GMT	868352		The Life of Birds: Dawn «Bird« file:/ /C:/DOCUM E~1/JOH
/img_johnD oe.dd/vol_v ol2/Docume	2005-02-09 11:09:58 GMT	2005-02-09 11:07:49 GMT	705698		of habitat in which the «bird« was

nts and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox					seen. Start by learning
/img_johndoe.dd/vol_vol2/\$Carved Files/f0041304.html.gz/f0041304.html	0000-00-00 00:00:00	0000-00-00 00:00:00	17677	html	10 of about 57,800 for «bird» mating calls. (0.36 seconds)
/img_johndoe.dd/vol_vol2/\$Carved Files/f0072032.html.gz/f0072032.html	0000-00-00 00:00:00	0000-00-00 00:00:00	21281	html	000 for «bird» screensavers . (0.46 seconds) «Bird» Screensavers
/img_johndoe.dd/vol_vol2/\$Carved Files/f0327896.pdf	0000-00-00 00:00:00	0000-00-00 00:00:00	1798396	pdf	Oriole Morning Doves «BIRD» MIGRATION TO THE DUNES
/img_johndoe.dd/vol_vol2/\$Carved Files/f0201904.html.gz/f0201904.html	0000-00-00 00:00:00	0000-00-00 00:00:00	19768	html	birding, «bird» jokes, «bird» stamps, «bird» origami, «bird» songs
/img_johndoe.dd/vol_vol2/\$Carved Files/f0273688.pdf	0000-00-00 00:00:00	0000-00-00 00:00:00	1070005	pdf	penstemons, and also on «bird»-pollinated plants from
/img_johndoe.dd/vol_vol2/\$Carved	0000-00-00 00:00:00	0000-00-00 00:00:00	16732	html	Help spread Firefox!

Files/f0003592.html					Free «Bird» Wallpaper - Bald Eagle
/img_johnDoe.dd/vol_vol2/\$Unalloc/Unalloc_32129_20917760_3142053376	0000-00-00 00:00:00	0000-00-00 00:00:00	324337664		ID=\rdf:#\$1CbOg3\">Free «Bird» Wallpaper - Bald Eagle"
/img_johnDoe.dd/vol_vol2/\$Carved Files/f0389000.html	0000-00-00 00:00:00	0000-00-00 00:00:00	16732	html	Help spread Firefox! Free «Bird» Wallpaper - Bald Eagle
/img_johnDoe.dd/vol_vol2/System Volume Information/_restore{F551F22F-0FBF-41E1-AE7D-8B7BB8E7F937}/Fifoed/A0000553.PNF	2005-01-24 16:13:02 GMT	2005-01-24 16:13:02 GMT	37024	pnf	ID=\rdf:#\$1CbOg3\">Free «Bird» Wallpaper - Bald Eagle"
/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/bookmarks.bak	2005-02-09 17:09:14 GMT	2005-01-24 16:32:37 GMT	16732	bak	ID=\rdf:#\$1CbOg3\">Free «Bird» Wallpaper - Bald Eagle"
/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Pr	2005-02-09 17:09:18 GMT	2005-01-24 16:26:45 GMT	16732	html	Help spread Firefox! Free «Bird» Wallpaper - Bald Eagle

ofiles/w4nf3 obl.default/ bookmarks. html					
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Appendix 4 Bird Keywords Used:

African gray	coot	goose	migration
parrot	cormorant	grackle	moamockingbird
African	covey	great egret	d
penguin	cowbird	great horned	nighthawk
albatross	crake	owl	nightingale
American	crane	grouse	nightjar
flamingo	creeper	gull	nutcracker
American	crest	harpy eagle	nuthatch
Robin	crossbill	Hawaiian	oriole
American tree	crow	goose	ornithologist
sparrow	cuckoo	hawk	ornithology
Arctic tern	curlew	hen	oropendola
auk	darter	heron	osprey
bald eagle	dove	hoatzin	ostrich
barn owl	downy	hummingbird	owl
beak	woodpecker	ibis	oxpecker
bird	duck	Ichthyornis	parakeet
bird of paradise	eagle	incubate	parrot
bird watching	eastern	jackdaw	partridge
swan	bluebird	jay	peacock
blackbird	egret	junco	peafowl
blue jay	eider	kakapo	pelican
bluebird	emperor	kestrel	penguin
bobolink	penguin	kildeer	peregrine
bobwhite	emu	kingbird	falcon
bowerbird	falcon	kingfisher	pigeon
brown pelican	feather	kite	pintail
budgerigar	finch	kiwi	plover
budgie	flamingo	kookaburra	prairie chicken
bullfinch	fledge	lark	ptarmigan
bunting	fledgling	leghorn	puffin
Canada goose	flicker	longspur	pygmy owl
canary	flight	loon	quail
cardinal	flight feathers	lorikeet	quetzal
cassowary	flightless	macaw	raven
catbird	flock	magpie	razorbill
chick	fly	mallard duck	red hooded
chickadee	flycatcher	marbled	duck
chicken	fowl	murrelet	red-billed
clutch	frigatebird	martin	oxpecker
cockatiel	gnatcatcher	meadowlark	red-tailed hawk
cockatoo	golden eagle	merganser	redwing
common rhea	goldfinch	migrate	rhea

Rhode Island	scarlet macaw	stork	waterthrush
red	screech owl	swallow	waxwing
ring-billed gull	scrub jay	swan	western
roadrunner	seabird	swift	meadowlark
robin	shearwater	syrinx	western spotted
rock dove	shore bird	tail	owl
rock pigeon	shrike	tanager	whip-poor-will
rockhopper	skylark	tern	white dove
penguin	snipe	thrasher	white pelican
rook	snow goose	thrush	wing
rookery	snowbirds	toucan	wood thrush
roost	snowy owl	trumpeter swan	woodpecker
rooster	songbird	turkey	wren
roseate	sparrow	turtle dove	Xenops
spoonbill	spoonbill	umbrellabird	yellowthroat
ruby-throated	spotted owl	vireo	
hummingbird	starling	vulture	
sandpiper	stint	warbler	

Appendix 5 Email, "Dear Fred":

Dear Fred,

Hi haven't seen you in ages been meaning to write to you for a while but never got round to it.

How have you been? Still working at the library?

We should meet up next time you are up here, my phone number is still 435 7862

Yours truly,

Bob

-----METADATA-----

Application-Name: Microsoft Office Word

Author: bob

Character Count: 223

Comments:

Company:

Content-Type: application/msword

Creation-Date: 2005-02-03T10:27:00Z

Edit-Time: 1800000000

Keywords:

Last-Author: bob

Last-Modified: 2005-02-03T10:30:00Z

Peter Captain – 1800326

Luke Morgan – 1801758

Michael McCallum – 1801799

Last-Save-Date: 2005-02-03T10:30:00Z
Page-Count: 1
Revision-Number: 1
Template: Normal
Word-Count: 38
X-Parsed-By: org.apache.tika.parser.DefaultParser
comment:
cp:revision: 1
cp:subject:
creator: bob
date: 2005-02-03T10:30:00Z
dc:creator: bob
dc:subject:
dc:title: Dear Fred,
dcterms:created: 2005-02-03T10:27:00Z
dcterms:modified: 2005-02-03T10:30:00Z
extended-properties:Application: Microsoft Office Word
extended-properties:Company:
extended-properties:Template: Normal
meta:author: bob
meta:character-count: 223
meta:creation-date: 2005-02-03T10:27:00Z
meta:keyword:
meta:last-author: bob
meta:page-count: 1
meta:save-date: 2005-02-03T10:30:00Z
meta:word-count: 38
modified: 2005-02-03T10:30:00Z
subject:
title: Dear Fred,
w:comments:
xmpTPg:NPages: 1

Appendix 6 – Search term screenshots
F0201904.html

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

[Advanced Search Preferences](#)

Search: ☒ the web ☐ pages from the UK

Web

News results for **birds** - [View today's top stories](#)

Birds do have brains - [News24](#) - 5 hours ago
Birds 'threatened by climate change' - [Scotsman](#) - 1 Feb 2005
 Minds of Their Own: **Birds** Gain Respect - [New York Times](#) - 31 Jan 2005

Birds-Zoom School-Enchanted Learning Software
Birds at Zoom School is devoted to **birds**, bird evolution, fossils, songs, bird watching, backyard birding, bird jokes, bird stamps, bird origami, bird songs ...
www.enchantedlearning.com/subjects/birds/ - 7k - Cached - Similar pages

The Life of **Birds**
 ... ABOUT SIR DAVID | MAKING LIFE OF **BIRDS** | BIRD BRAINS | EVOLUTION CHAMPION **BIRDS** | PARENTHOOD | BIRD SONGS | LINKS CREDITS | CLASSROOM | SHOPPBS.
www.pbs.org/lifeofbirds/ - 13k - 31 Jan 2005 - Cached - Similar pages

Birds - Cornell Lab of Ornithology
Birds - Cornell Lab of Ornithology, ... Handbook of Bird Biology Learn all about the lives of **birds** with this comprehensive and engaging reference volume. ...
birds.cornell.edu/ - 21k - 31 Jan 2005 - Cached - Similar pages

The Royal Society for the Protection of **Birds**
 The Royal Society for the Protection of **Birds**. ... 2005 The Royal Society for the Protection of **Birds**. Registered charity no 207076 Privacy and Accessibility. ...
www.rspb.org.uk/ - 10k - 31 Jan 2005 - Cached - Similar pages

Wild **Birds** Unlimited - backyard bird feeding, bird feeders, retail ...
 Wild **Birds** Unlimited is the first and largest franchise system of retail stores catering to the backyard bird feeding hobbyist. ... Who is Wild **Birds** Unlimited? ...
www.wbu.com/ - 17k - 31 Jan 2005 - Cached - Similar pages

BirdsnWays Guide to Pet **Birds**, Parrots & Exotic **Birds** Care & ...
 Guide to pet parrots & exotic **birds** care and breeding. Classified ads ... chats, etc. Complete Guide to Pet **Birds**, Pet Parrots & Exotic **Birds**. ...
www.birdsnways.com/ - 15k - Cached - Similar pages

Birds Australia / RAOU Home (our nest)
 ... Gluepot landscape by David Neilson © **Birds** Australia Red-capped Robin © Peter Marsack from HANZAB Vol. 6 **Birds** Australia is a ...
www.birdsaustralia.com.au/ - 14k - Cached - Similar pages

Birding Birdwatching and Wild **Birds** at About
 Birding Information for people who watch wild **birds**. Includes checklists, types of ... Birding / Wild **Birds** Your Guide, Christine Tarski, ...
birding.about.com/ - 35k - 31 Jan 2005 - Cached - Similar pages

The **Birds** (1963)
 The **Birds** - Cast, Crew, Reviews, Plot Summary, Comments, Discussion, Taglines, Trailers, Posters, Photos, Showtimes, Link to Official Site, Fan Sites. ...
www.imdb.com/title/tt0056869/ - 48k - 1 Feb 2005 - Cached - Similar pages

F0072032.html

Peter Captain – 1800326

Luke Morgan – 1801758

Michael McCallum – 1801799

Web Images Groups News more »

bird screensavers

Search

Advanced Search Preferences

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 pages from the UK

Web

Bird Screensavers

www.popularscreensavers.com
5000+ Great Screensavers. All Free. Download Many Animal Screensavers!

Screensavers

... Sunsets **ScreenSaver** Sunsets. **Birds ScreenSaver** **Birds**. Landscapes **ScreenSaver** ...
Texas Myths. Attractions **ScreenSaver** Attractions. **Birds Screensaver**. DOWNLOAD: ...
www.traveltext.com/screen.asp?SN=6245300&LS=0&SS=1 - 14k - Cached - Similar pages

3d War **Bird Screensaver** download page. 3d War **Bird Screensaver** by ...
... download, download 3d War **Bird Screensaver**, 3d War **Bird Screensaver**
download, **Screensaver** , Cursors,Font Tools,Fonts,Icon Tools,Icons, **Screensavers**,Shell & ...
www.sharewareorder.com/3d-War-Bird-Screensaver-download-18650.htm - 26k -
Cached - Similar pages

Bird Screensaver free of spyware
Bird Screensaver - The most affordable **screensavers** on the Internet. See 40 **birds** caring
for their young with this Free **Bird Screensaver**. ...
www.nexusmedia.net/bird_screensaver.htm - 11k - Cached - Similar pages

Canary **Screensaver**, Screen Saver of Pet Canaries, Pet **Birds**
... The pictures on our **screensavers** are all very high quality professional **bird** portraits, most
done in a studio setting, and photographed to showcase the ...
www.petmousepads.com/birds/tcs.htm - 24k - Cached - Similar pages

Birding and Birdwatching - Free Computer **Birds**
... Check out these free **bird screensavers**, clipart, themes, stationery and cursors! ... Here
are a number of free **bird screensavers** that you can download. ...
birding.about.com/library/weekly/aa092502a.htm - 35k - Cached - Similar pages

Free **Bird Screensavers** - **Birding** - 06/26/98
... **Bird Screensavers**. Dateline: 06/26/98. ... **Bird Screensaver** #1 - Black background with
photos of **birds** (includes a hummer!) and a butterfly (562K) ...
birding.about.com/library/weekly/blscreensavers.htm - 33k - Cached - Similar pages
[More results from birding.about.com]

3d War **Bird Screensaver** Free Download
3d War **Bird Screensaver**. Download 3d War **Bird Screensaver** from Ed Hagan. Buy 3d War
Bird Screensaver from RegNow Price: \$9.95 (US). ...
www.visual-mp3.com/review/5941.html - 14k - Cached - Similar pages

Tweety Bird
... freeware, free, free tweety **bird**, free tweety **bird** tools, free tweety **bird** programs, free
tweety **bird** wallpaper,free tweety **bird screensavers**, free tweety **bird** ...
www.fdepot.com/TweetyBird.asp - 73k - Cached - Similar pages

Free **Bird Screensavers**
... **Birding** / Wild **Birds Bird Screensavers**. ... **Bird Screensaver** #1 - Black background with
photos of **birds** (includes a hummer!) and a butterfly (562K) ...
birding.miningco.com/library/blscreensavers.htm - 35k - Cached - Similar pages

F0041304.html

Web Images Groups News [more »](#)

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

Search: ☒ the web ☐ pages from the UK

Web

Chickadee Karaoke
... During **mating** season, Mennill hung out in the woods with a laptop and a speaker. He gathered the **birds** by playing the familiar chickadee **call**. ...
whyfiles.org/shorties/104chick_sex/ - 11k - Cached - Similar pages

Teacher's Guide - Bird Banter
... other and rejoin the group through a gathering **call**. ... other types of communications are used by **birds**. ... and American woodcocks have elaborate **mating** dances and ...
www.inhs.uiuc.edu/chf/pub/virtualbird/teacher/lespl6.html - 5k - Cached - Similar pages

Bird Banter
... to attract **mates** and mark the territory necessary to raise young. Each species has its own specific song or songs. Some **birds** have over a dozen **calls** and songs ...
www.inhs.uiuc.edu/chf/pub/virtualbird/student/les6.html - 3k - Cached - Similar pages
[More results from www.inhs.uiuc.edu]

! Rainforest Birds ! Photos, lists & guides, Far North Queensland ...
... the spring you can hear the rasping **mating calls** of the ... the **birds** of paradise and their **mating** display is one of the most precious **bird** watching sightings ...
rainforest-australia.com/bird.htm - 12k - Cached - Similar pages

[\[PDF\]](#) Sound Ideas Just **Birds** and Animals II Complete Track and Index ...
File Format: PDF/Adobe Acrobat - View as HTML
... 02 JBA03 52-04 **BIRD**, TURKEY FEMALE WILD TURKEY: **MATING CALL** :03 JBA03 53-01 **BIRD**, WOODPECKER LESSER SPOTTED WOODPECKER: **CALLING** :03 ...
www.sound-ideas.com/pdf/jba2.pdf - Similar pages

LYREBIRDS MATING
... rituals in all of the **bird** world. First, he builds a platform out of a mound of dirt. And then, mounting his stage, the lyrebird lets out his **mating call**. ...
www.pulseplanet.com/archive/May97/1400.html - 14k - Cached - Similar pages

About The Bird Mating
... Because the female is the larger **bird**, the male needs ... her back and balances precariously during **mating** – with no ... The kiwi female **calls** the shots during **mating** ...
www.kiwirecovery.org.nz/AboutTheBird/KiwiLifeCycle/Mating.htm - 28k - 1 Feb 2005 - Cached - Similar pages

NPR : The Call of the Wild Car Alarm
... She got the basic **bird** sounds from the Macauley Library of Natural Sounds at Cornell University. Her sonic aviary includes the **mating call** of the Three-Wattled ...
www.npr.org/programs/atc/features/2002/july/car_alarm/ - 34k - Cached - Similar pages

Scientific American Frontiers . Calls of the Wild . Songs of Love ...
... But as they release the newly-banded **bird**, everyone hears a warbler's "pleased-pleased-pleased to MEET-ya" **mating call** coming from another male a few feet away ...
www.pbs.org/saf/1308/segments/1308-1.htm - 16k - Cached - Similar pages

[\[PDF\]](#) 2986 **Birds-1**
File Format: PDF/Adobe Acrobat - View as HTML
... territory or attract a **mate**, you might break out in song. **Birds call** out to alert others of danger. Read the following instructions to play this **bird** song game ...

Appendix 7 List of Interesting Documents

File	File Path	Changed Time	Created Time	Size
guide.doc	/img_johnDoe.dd/vol_vol3/guide.doc	2005-02-03 15:44:05 GMT	2005-02-03 15:44:05 GMT	25088
f0041304.html	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0041304.html.gz/f0041304.html	0000-00-00 00:00:00	0000-00-00 00:00:00	17677
birdwatching.doc	/img_johnDoe.dd/vol_vol2/birdwatching.doc	2005-02-03 15:49:26 GMT	2005-02-03 15:49:19 GMT	42496
ostbk2b2.htm	/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/ostbk2b2.htm	2005-02-03 15:02:45 GMT	2005-02-03 15:02:45 GMT	4490
f0072032.html	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0072032.html.gz/f0072032.html	0000-00-00 00:00:00	0000-00-00 00:00:00	21281
f0327896.pdf	/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0327896.pdf	0000-00-00 00:00:00	0000-00-00 00:00:00	1798396

f0273688.pdf	/img_johnDoe.dd/vol_vol2//\$Car vedFiles/f0273688.pdf	0000-00-00 00:00:00	0000-00-00 00:00:00	1070005
birdwatching.doc	/img_johnDoe.dd/vol_vol2/birdw atching.doc	2005-02-03 15:49:26 GMT	2005-02-03 15:49:19 GMT	42496
aggressive_song. wav	/img_johnDoe.dd/vol_vol2/Progr am Files/MSN/aggressive_song.wav	2005-02-09 17:00:50 GMT	2005-02-09 17:00:20 GMT	732984
aggressive_song. wav.lnk-slack	/img_johnDoe.dd/vol_vol2/Docu ments and Settings/johndoe/Recent/aggress ive_song.wav.lnk-slack	2005-02-09 17:00:50 GMT	2005-02-03 12:22:51 GMT	3420

Author of each section:

Job Description	Peter Captain
Description of Recovered Items	Peter Captain and Luke Morgan
Analysis Methodology	Peter Captain and Luke Morgan
Methodology: Image Preservation	Peter Captain and Luke Morgan
Methodology: Image Analysis	Peter Captain
Methodology: Using Autopsy to find Images	Peter Captain
Methodology: Using Autopsy to Keyword Search	Peter Captain and Michael McCallum
Methodology: Using Autopsy to examine Browser Data	Peter Captain and Luke Morgan
Methodology: Using Autopsy to check Timeline	Luke Morgan
Analysis: User Directories	Peter Captain
Analysis: Images	Peter Captain
Analysis: Emails	Peter Captain
Analysis: Keyword Search	Michael McCallum
Analysis: Web history	Michael McCallum and Peter Captain
Analysis: Timeline	Luke Morgan
Production List	Peter Captain and Luke Morgan
Conclusions	Peter Captain and Luke Morgan
Equipment required for Court Proceedings	Peter Captain and Luke Morgan
Appendix	
Appendix 1, recovered image list	Peter Captain
Appendix 2 web history	Luke Morgan
Appendix 3 result of keyword “bird” search	Michael McCallum
Appendix 4,bird keywords	Michael McCallum
Appendix 5 Email, Dear Thread	Peter Captain
Appendix 6 Web History Screenshots	Michael McCallum
Appendix 7 List of Interesting Documents	Peter Captain