



Computer-Based Discovery and Risk Control

Presented by
David P. Stenhouse
Computer Forensics Inc.™



CNN.com / U.S.

SEARCH

The Web CNN.com

Search

ENHANCED BY Google

Home Page

World

U.S.

Weather

Business at CNNMoney

Sports at SI.com

Politics

Law

Technology

Science & Space

Health

Entertainment

Travel

Education

Special Reports

TOP NEWS STORIES FROM AROUND THE WORLD

SERVICES

Video

E-Mail Services

CNNtoGO

SEARCH

Web CNN.com

Search ENHANCED BY Google

Philly mayor turns over e-mail devices

Saturday, October 11, 2003 Posted: 2:57 PM EDT (1857 GMT)

PHILADELPHIA, Pennsylvania (CNN) -- Philadelphia Mayor John Street Friday turned over wireless e-mail devices to authorities who are conducting a corruption investigation.

Street voluntarily handed over two of the hand-held devices to Philadelphia's police commissioner, who gave them to the FBI, the mayor's spokesman said Saturday. He had turned over another one on Tuesday.

Police had discovered an electronic listening device in the ceiling of his city hall office during a routine security sweep.

Street, 59, elected mayor in 1999 after 20 years in public service, is a "subject" of a two-year, federal investigation into allegations of public corruption, federal government sources have told CNN, although the focus of the investigation is unclear.



Philadelphia Mayor John Street

Story Tools

SAVE THIS EMAIL THIS

PRINT THIS MOST POPULAR

advertisement

[Presidential Preview](#)

[Watch Real One Video](#)

[Make CNN Your Home](#)

[CNN Hats & More](#)



BUSINESS WITH CNBC

MSNBC Wire Services

- Business ▶
- Stocks & Economy ▶
- Personal Finance ▶
- Local Business News ▶
- U.S. Business News ▶
- Int'l Business News ▶
- Financial Times ▶
- Forbes ▶
- BusinessWeek ▶
- CNBC TV ▶
- Oil and Energy ▶
- Automotive News ▶
- Special Reports ▶
- Small Business ▶

- News ▶
- Business ▶
- Sports ▶

EVault Introduces Email and Instant Message Monitoring and Archiving Solution

EVault ProMail(SM) Enables Financial Service Organizations to Meet Rigid Regulatory Requirements

market WIRE

Updated: 8:00 a.m. ET May 11, 2004

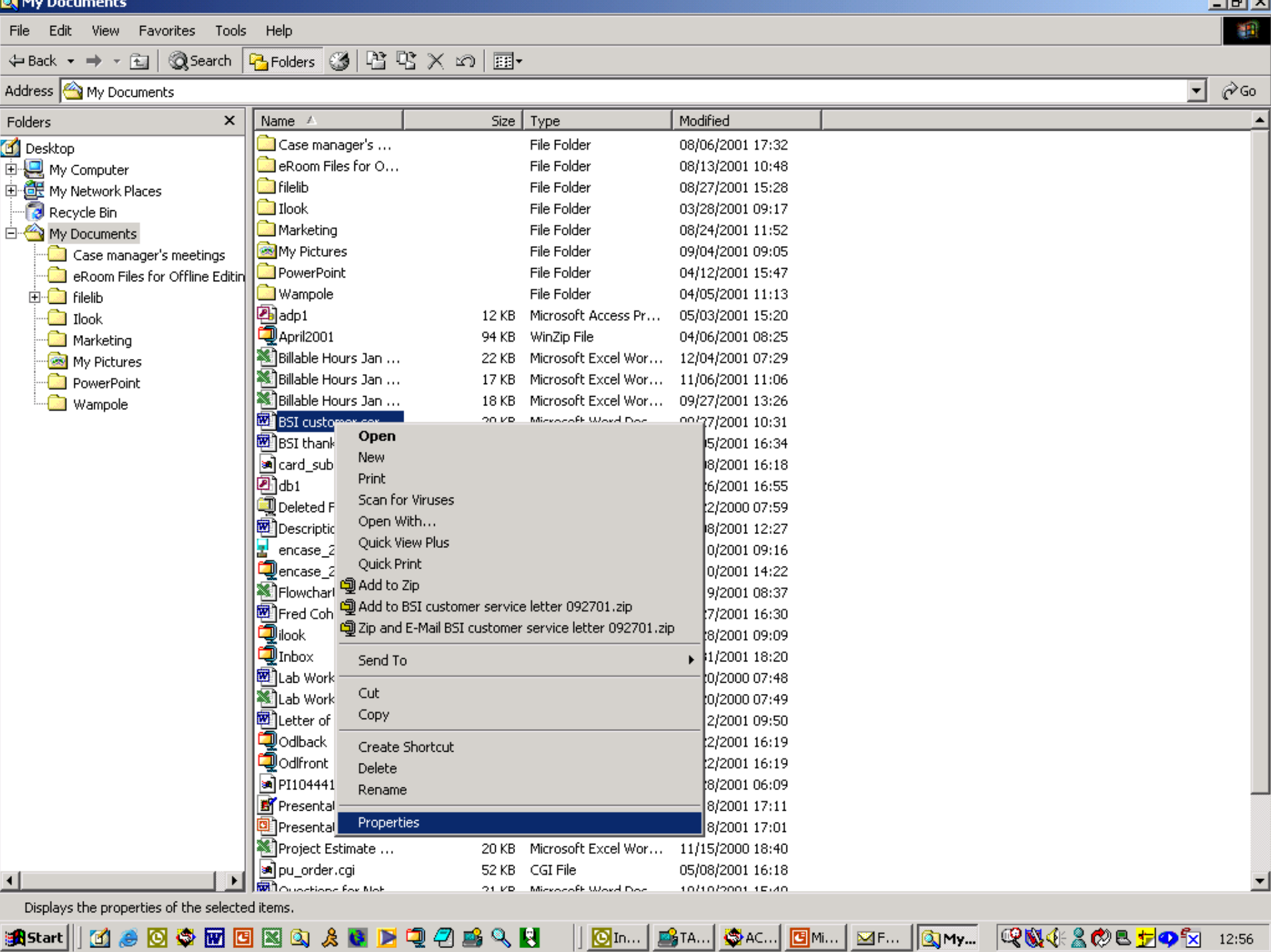
05/11/04 - EVault, Inc., the leading provider of online data protection and recovery solutions, today announced the introduction of EVault ProMail(SM), an outsourced email and instant message (IM) monitoring and archiving service. EVault ProMail enables customers, such as broker-dealers, to ensure that their email communications are maintained in an easily accessible archive compliant with regulatory requirements without having to internally manage a complex and costly infrastructure.



Why Electronic Documents Are So Important



- Ease of review
- File genealogy
- File duplication
- Earlier Drafts

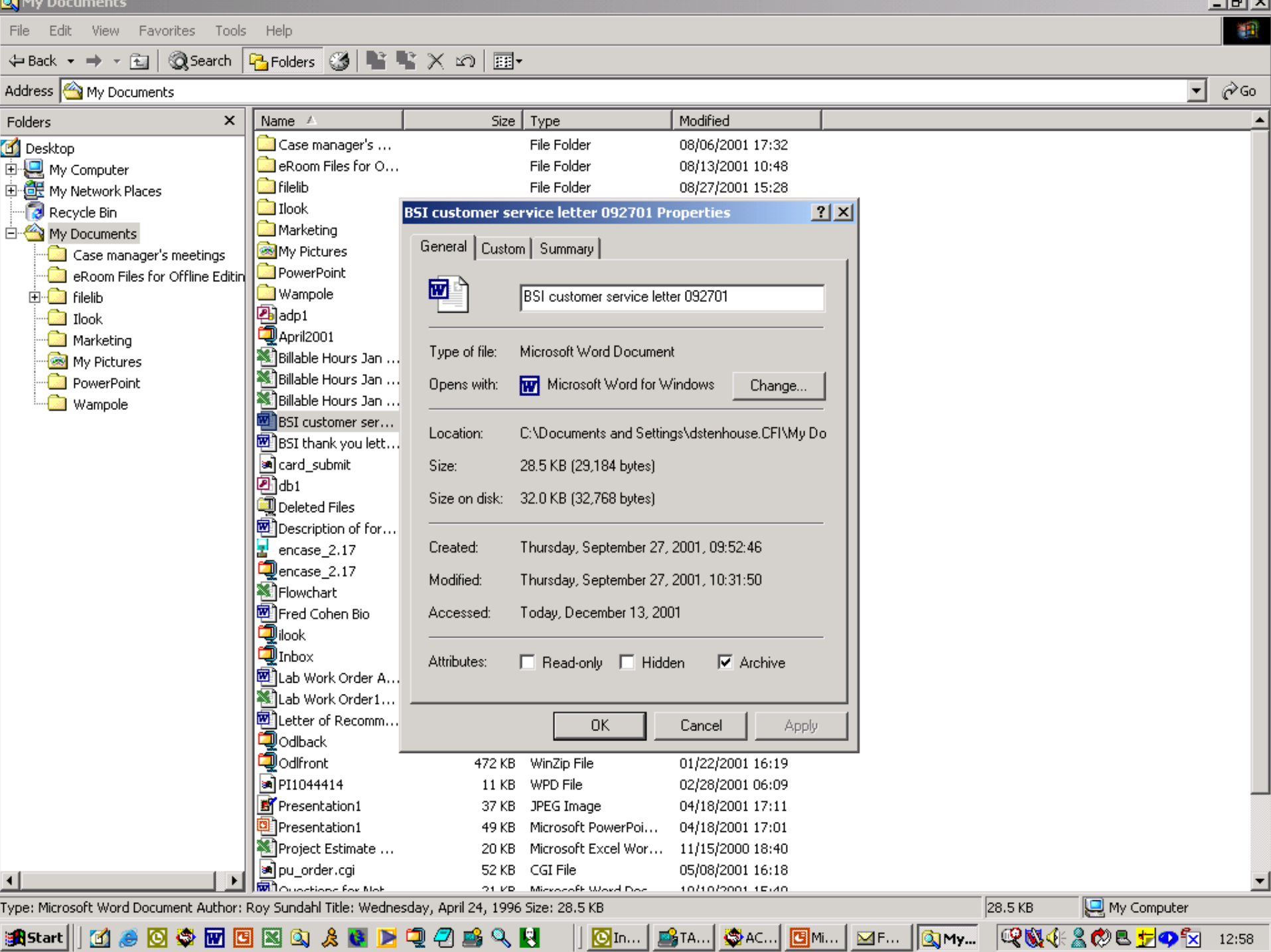


Folders
Desktop
My Computer
My Network Places
Recycle Bin
My Documents
Case manager's meetings
eRoom Files for Offline Editin...
filelib
Ilook
Marketing
My Pictures
PowerPoint
Wampole

Name	Size	Type	Modified
Case manager's ...		File Folder	08/06/2001 17:32
eRoom Files for O...		File Folder	08/13/2001 10:48
filelib		File Folder	08/27/2001 15:28
Ilook		File Folder	03/28/2001 09:17
Marketing		File Folder	08/24/2001 11:52
My Pictures		File Folder	09/04/2001 09:05
PowerPoint		File Folder	04/12/2001 15:47
Wampole		File Folder	04/05/2001 11:13
adp1	12 KB	Microsoft Access Pr...	05/03/2001 15:20
April2001	94 KB	WinZip File	04/06/2001 08:25
Billable Hours Jan ...	22 KB	Microsoft Excel Wor...	12/04/2001 07:29
Billable Hours Jan ...	17 KB	Microsoft Excel Wor...	11/06/2001 11:06
Billable Hours Jan ...	18 KB	Microsoft Excel Wor...	09/27/2001 13:26
BSI customer ser...	20 KB	Microsoft Word Doc...	09/27/2001 10:31
BSI thank			05/2001 16:34
card_sub			08/2001 16:18
db1			06/2001 16:55
Deleted F			02/2000 07:59
Descriptio			08/2001 12:27
encase_2			0/2001 09:16
encase_2			0/2001 14:22
Flowchart			9/2001 08:37
Fred Coh			07/2001 16:30
Ilook			08/2001 09:09
Inbox			11/2001 18:20
Lab Work			0/2000 07:48
Lab Work			0/2000 07:49
Letter of			02/2001 09:50
Odlback			02/2001 16:19
Odlfront			02/2001 16:19
PI104441			08/2001 06:09
Presenta			08/2001 17:11
Presenta			08/2001 17:01
Project Estimate ...	20 KB	Microsoft Excel Wor...	11/15/2000 18:40
pu_order.cgi	52 KB	CGI File	05/08/2001 16:18
Questions for Net	21 KB	Microsoft Word Doc...	10/10/2001 15:40

- Open
- New
- Print
- Scan for Viruses
- Open With...
- Quick View Plus
- Quick Print
- Add to Zip
- Add to BSI customer service letter 092701.zip
- Zip and E-Mail BSI customer service letter 092701.zip
- Send To
- Cut
- Copy
- Create Shortcut
- Delete
- Rename
- Properties

Displays the properties of the selected items.



Folders

- Desktop
- My Computer
- My Network Places
- Recycle Bin
- My Documents
 - Case manager's meetings
 - eRoom Files for Offline Editing
 - filelib
 - Ilook
 - Marketing
 - My Pictures
 - PowerPoint
 - Wampole

Name	Size	Type	Modified
Case manager's ...		File Folder	08/06/2001 17:32
eRoom Files for O...		File Folder	08/13/2001 10:48
filelib		File Folder	08/27/2001 15:28
Ilook			
Marketing			
My Pictures			
PowerPoint			
Wampole			
adp1			
April2001			
Billable Hours Jan ...			
Billable Hours Jan ...			
Billable Hours Jan ...			
BSI customer ser...			
BSI thank you lett...			
card_submit			
db1			
Deleted Files			
Description of for...			
encase_2.17			
encase_2.17			
Flowchart			
Fred Cohen Bio			
Ilook			
Inbox			
Lab Work Order A...			
Lab Work Order1...			
Letter of Recomm...			
Odlback			
Odlfront	472 KB	WinZip File	01/22/2001 16:19
PI1044414	11 KB	WPD File	02/28/2001 06:09
Presentation1	37 KB	JPEG Image	04/18/2001 17:11
Presentation1	49 KB	Microsoft PowerPoi...	04/18/2001 17:01
Project Estimate ...	20 KB	Microsoft Excel Wor...	11/15/2000 18:40
pu_order.cgi	52 KB	CGI File	05/08/2001 16:18
Questions for Net	21 KB	Microsoft Word Doc	10/10/2001 15:40

BSI customer service letter 092701 Properties

General Custom Summary

BSI customer service letter 092701

Type of file: Microsoft Word Document

Opens with: Microsoft Word for Windows Change...

Location: C:\Documents and Settings\dstenhouse.CFI\My Do

Size: 28.5 KB (29,184 bytes)

Size on disk: 32.0 KB (32,768 bytes)

Created: Thursday, September 27, 2001, 09:52:46

Modified: Thursday, September 27, 2001, 10:31:50

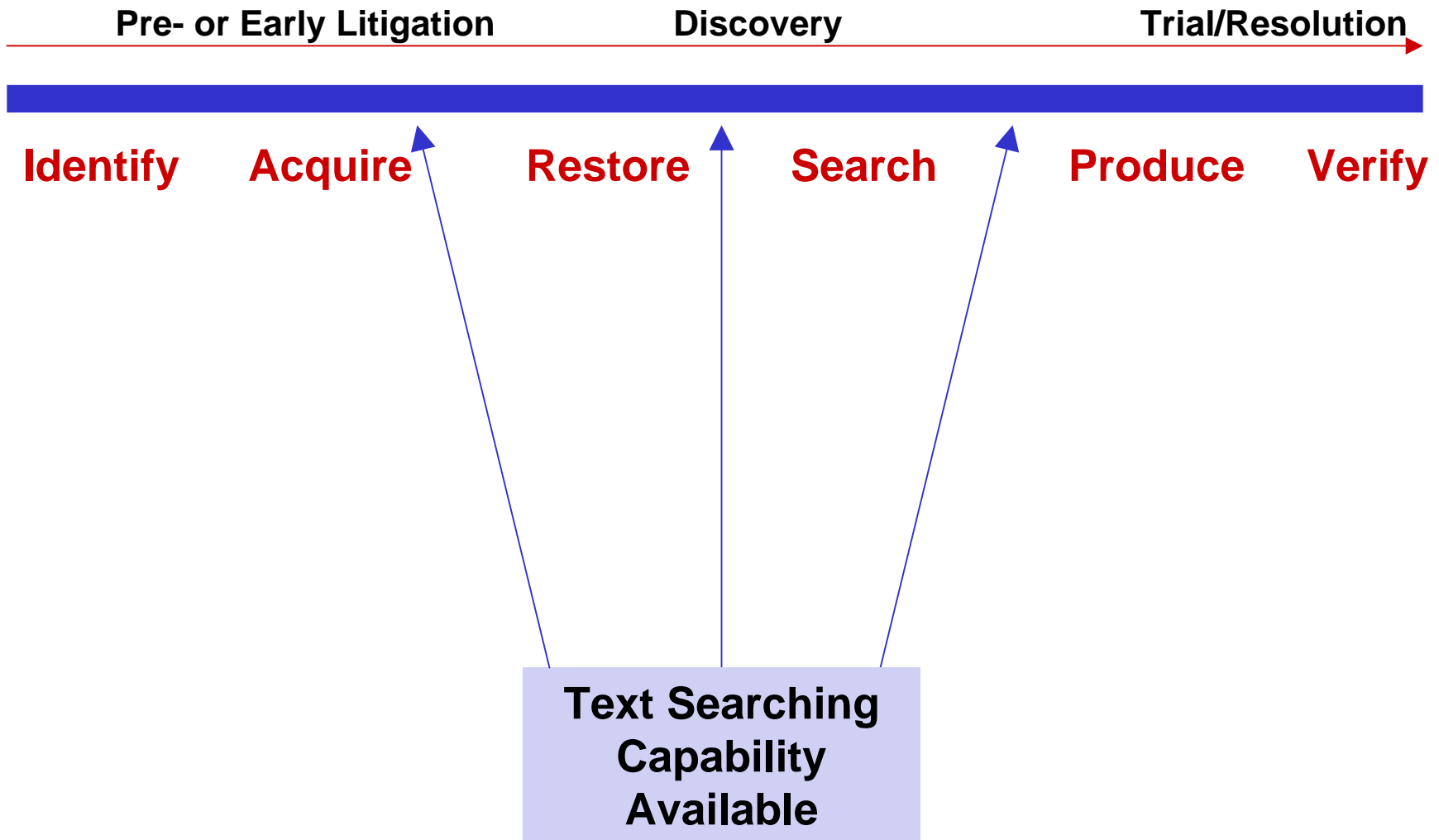
Accessed: Today, December 13, 2001

Attributes: Read-only Hidden Archive

OK Cancel Apply



The Electronic Discovery Process





Interesting Data Locations





Network Backups

- Created in case of a network “catastrophe”
- Large depository of corporate information
- You will not find “deleted” files on backup tapes (**Very Important**)

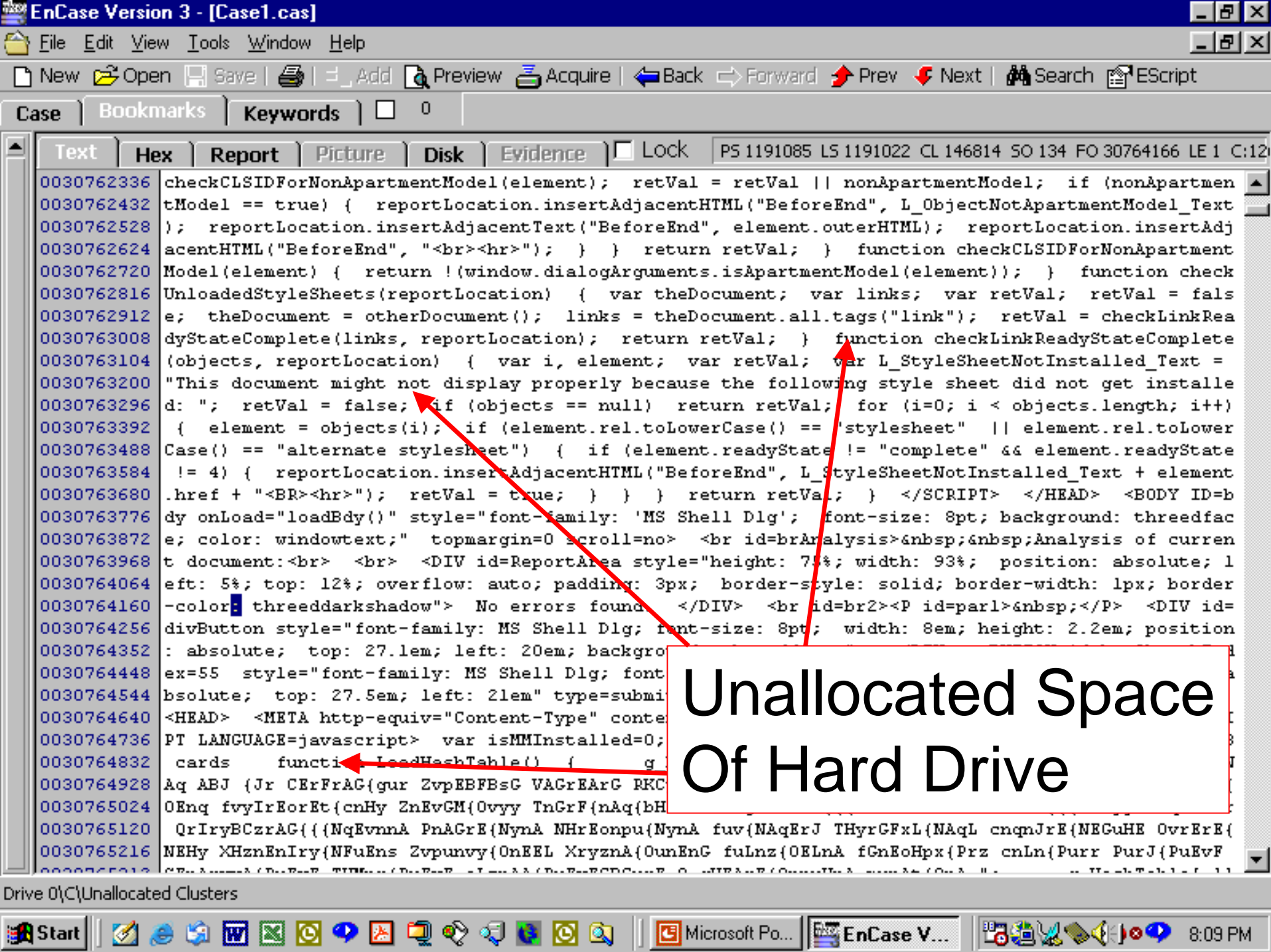




What Happens to Deleted Files?



- Operating system just marks space as available
- True text of file still viewable with forensic software
- Text may stay on computer's hard drive for years



Unallocated Space
Of Hard Drive

```
0030762336 checkCLSIDForNonApartmentModel(element); retVal = retVal || nonApartmentModel; if (nonAparten
0030762432 tModel == true) { reportLocation.insertAdjacentHTML("BeforeEnd", L_ObjectNotApartmentModel_Text
0030762528 ); reportLocation.insertAdjacentText("BeforeEnd", element.outerHTML); reportLocation.insertAdj
0030762624 acentHTML("BeforeEnd", "<br><hr>"); } } return retVal; } function checkCLSIDForNonApartment
0030762720 Model(element) { return !(window.dialogArguments.isApartmentModel(element)); } function check
0030762816 UnloadedStyleSheets(reportLocation) { var theDocument; var links; var retVal; retVal = fals
0030762912 e; theDocument = otherDocument(); links = theDocument.all.tags("link"); retVal = checkLinkRea
0030763008 dyStateComplete(links, reportLocation); return retVal; } function checkLinkReadyStateComplete
0030763104 (objects, reportLocation) { var i, element; var retVal; var L_StyleSheetNotInstalled_Text =
0030763200 "This document might not display properly because the following style sheet did not get install
0030763296 d: "; retVal = false; if (objects == null) return retVal; for (i=0; i < objects.length; i++)
0030763392 { element = objects(i); if (element.rel.toLowerCase() == "stylesheet" || element.rel.toLower
0030763488 Case() == "alternate stylesheet") { if (element.readyState != "complete" && element.readyState
0030763584 != 4) { reportLocation.insertAdjacentHTML("BeforeEnd", L_StyleSheetNotInstalled_Text + element
0030763680 .href + "<BR><hr>"); retVal = true; } } } return retVal; } </SCRIPT> </HEAD> <BODY ID=b
0030763776 dy onLoad="loadBdy()" style="font-family: 'MS Shell Dlg'; font-size: 8pt; background: threedfac
0030763872 e; color: windowtext;" topmargin=0 scroll=no> <br id=brAnalysis>&nbsp;&nbsp;&nbsp;Analysis of curren
0030763968 t document:<br> <br> <DIV id=ReportArea style="height: 7%; width: 93%; position: absolute; l
0030764064 eft: 5%; top: 12%; overflow: auto; padding: 3px; border-style: solid; border-width: 1px; border
0030764160 -color: threeddarkshadow"> No errors found. </DIV> <br id=br2><P id=par1>&nbsp;&nbsp;&nbsp;</P> <DIV id=
0030764256 divButton style="font-family: MS Shell Dlg; font-size: 8pt; width: 8em; height: 2.2em; position
0030764352 : absolute; top: 27.1em; left: 20em; backgro
0030764448 ex=55 style="font-family: MS Shell Dlg; font
0030764544 bsolute; top: 27.5em; left: 21em" type=submi
0030764640 <HEAD> <META http-equiv="Content-Type" conte
0030764736 PT LANGUAGE=javascript> var isMMInstalled=0;
0030764832 cards functi
0030764928 Aq ABJ {Jr CErFrAG{gur ZvpEBFBsG VAGrEARG RKC
0030765024 OEnq fvyIrEorEt{cnHy ZnEvGM{Ovyy TnGrF{nAq{bH
0030765120 QrIryBCzrAG{({NqEvnmA PnAGrE{NynA NHrEonpu{NynA fuv{NAqErJ THyrGFxL{NAqL cnqmJrE{NEGuHE OvrErE{
0030765216 NEHy XHznEnIry{NFuEns Zvpunvy{OnEEL XryznA{OunEnG fuLnz{OELnA fGnEoHpx{Prz cnLn{Purr PurJ{PuEvF
0030765312 CEhAymA{PuEerE THYer{PuEerE fLmAA{PuEerEPCuEeE O JHrAer{OunEhA sumA{OunA "#
0030765408
```

Drive 0:\Unallocated Clusters

Text	Hex	Report	Picture	Disk	Evidence	Lock	PS 1191085 LS 1191022 CL 146814 SO 134 FO 30764166 LE 1 C:12
0030762336		checkCLSIDForNonApartmentModel(element); retVal = retVal nonApartmentModel; if (nonAparten					
0030762432		tModel == true) { reportLocation.insertAdjacentHTML("BeforeEnd", L_ObjectNotApartmentModel_Text					
0030762528); reportLocation.insertAdjacentText("BeforeEnd", element.outerHTML); reportLocation.insertAdj					
0030762624		acentHTML("BeforeEnd", " <hr>"); } } return retVal; } function checkCLSIDForNonApartment					
0030762720		Model(element) { return !(window.dialogArguments.isApartmentModel(element)); } function check					
0030762816		UnloadedStyleSheets(reportLocation) { var theDocument; var links; var retVal; retVal = fals					
0030762912		e; theDocument = otherDocument(); links = theDocument.all.tags("link"); retVal = checkLinkRea					
0030763008		dyStateComplete(links, reportLocation); return retVal; } function checkLinkReadyStateComplete					
0030763104		(objects, reportLocation) { var i, element; var retVal; var L_StyleSheetNotInstalled_Text =					
0030763200		"This document might not be a valid HTML document. It did not get installed correctly. Please					
0030763296		check the file name and location. If you are still having trouble, you may need to delete the file and					
0030763392		re-download it. Objects: Length: 1; Object: 0: <script src=...> Objects: Length: 1; Object: 0: <script src=...					
0030763488		{ element = objects[0]; if (element.tagName.toLowerCase() == "script" && element.readyState					
0030763584		!= 4) { reportLocation.insertAdjacentText("BeforeEnd", L_StyleSheetNotInstalled_Text + element					
0030763680		.href + " <hr>"); } } return retVal; } function checkCLSIDForNonApartmentModel(element)					
0030763776		.href + " <hr>"); } } return retVal; } function checkCLSIDForNonApartmentModel(element)					
0030763872		dy onLoad="loadBdy()" style="background-color: #e0e0e0; color: windowtext; font-family: MS Shell Dlg; font-size: 8pt; width: 7em; height: 2.2em; position: absolute; top: 27.5em; left: 21em" type=submit> OK </BUTTON> </BODY> </HTML> <HTML>					
0030763968		t document: <DIV id=ReportArea style="height: 75%; width: 93%; position: absolute; left: 5%; top: 12%; overflow: auto; padding: 3px; border-style: solid; border-width: 1px; border-color: threeddarkshadow"> No errors found. </DIV> <br id=br2><P id=par1> </P> <DIV id=					
0030764064		divButton style="font-family: MS Shell Dlg; font-size: 8pt; width: 9em; height: 2.2em; position: absolute; top: 27.1em; left: 20em; background: threedface;"> </DIV> <BUTTON id=btnOK tabInd					
0030764160		-color: threeddarkshadow"> No errors found. </DIV> <br id=br2><P id=par1> </P> <DIV id=					
0030764256		divButton style="font-family: MS Shell Dlg; font-size: 8pt; width: 9em; height: 2.2em; position: absolute; top: 27.1em; left: 20em; background: threedface;"> </DIV> <BUTTON id=btnOK tabInd					
0030764352		: absolute; top: 27.1em; left: 20em; background: threedface;"> </DIV> <BUTTON id=btnOK tabInd					
0030764448		ex=55 style="font-family: MS Shell Dlg; font-size: 8pt; width: 7em; height: 2.2em; position: absolute; top: 27.5em; left: 21em" type=submit> OK </BUTTON> </BODY> </HTML> <HTML>					
0030764544		bsolute; top: 27.5em; left: 21em" type=submit> OK </BUTTON> </BODY> </HTML> <HTML>					
0030764640		<HEAD> <META http-equiv="Content-Type" content="text/html; charset=iso-8859-1"></META> <SCRIPT LANGUAGE=javascript> var isMMInstalled=0; //Disable MM because of DirectD flicker bug on S3					
0030764736		PT LANGUAGE=javascript> var isMMInstalled=0; //Disable MM because of DirectD flicker bug on S3					
0030764832		cards function LoadHashTable() { g_HashTable = new Object(); g_HashTable[0]="{(N					
0030764928		Aq ABJ {Jr CErFrAG{gur ZvpEBFBsG VAGrEARG RKCyBERE{cEBqHpG grnz{{{fCrpvny GunAXF GB{{QnIvq PByr{					
0030765024		OBnq fvyIrEorEt{cnHy ZnEvGM{Ovyy TnGrF{nAq{bHE OrGn grFGRE{{OEBhtUG GB LBH oL{{{furyy nAq PBEr					
0030765120		QrIryBCzrAG{{{NqEvnmA PnAGrE{NynA MHRkonpu{NynA fuv{NAqErJ THyrGFxL{NAqL cnqnJrE{NEGuHE OvrErE{					
0030765216		NEHy XHznEnIry{NFuEns Zvpunvy{OnEEL XryznA{OunEnG fuLnz{OELnA fGnEoHpX{Prz cnLn{Purr PurJ{PuEvF					

Known Type of Data "HTML"

[Feedback](#)

Search for:

 [Begin your search](#) [Office Home](#) **Office**[Home](#)

Get to Work

[Design Gallery Live](#)[Template Gallery](#)[Assistance Center](#)[Office eServices](#)

Office Update

[Product Updates](#)[Download Center](#)

Welcome to Office Product Updates

[Use automatic detection to find the latest Office product updates for this computer.](#)

Detection can take up to one minute over a 56.6 kbps connection.

Download Free Office Tools, Add-ins, and More

[Find Office Converters, Add-ins, and Viewers](#)Visit the [Office Download Center](#) to get Office Assistants, stationery, and more.[Other Ways to Get Office Product Updates](#)To download updates and manually install them, search for the update you need in the [Office Download Center](#). You can also [order Office Service Packs on CD-ROM](#).[About Office Product Updates](#)

"What are product updates and why do I need them?" Plus

Upgrade and Deployment

[Deploy Product Updates Inside an Organization](#)

Find tools and information for Office administrators deploying Office product updates inside an organization.

[Upgrade to Office XP](#)

Get information on how to upgrade to the latest and greatest version of Office



Start



EnCase Versi...

Microsoft ...



8:18 PM

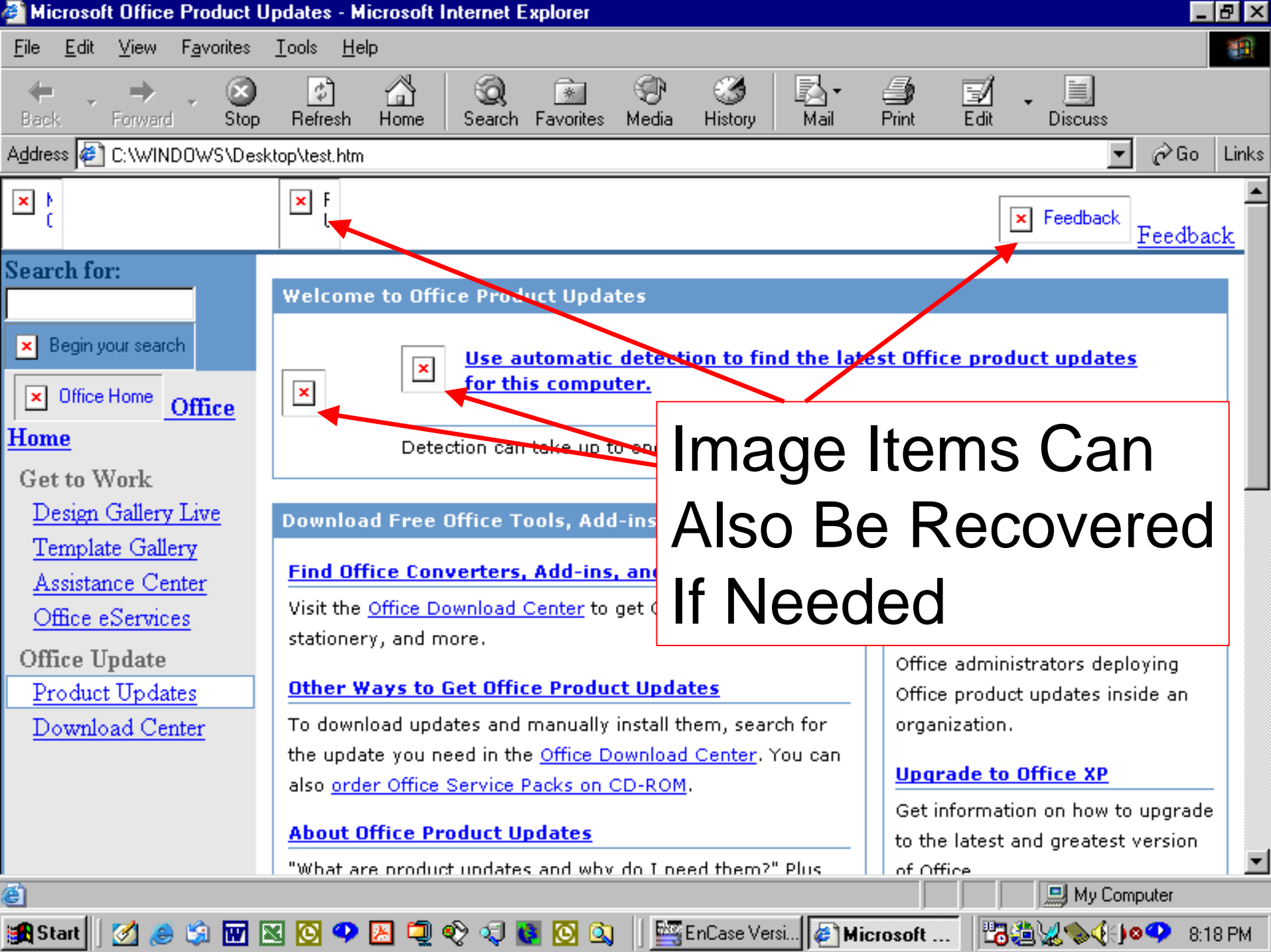


Image Items Can Also Be Recovered If Needed

Welcome to Office Product Updates

 [Use automatic detection to find the latest Office product updates for this computer.](#)



Detection can take up to an

Download Free Office Tools, Add-ins

Find Office Converters, Add-ins, and

Visit the [Office Download Center](#) to get Office stationery, and more.

Other Ways to Get Office Product Updates

To download updates and manually install them, search for the update you need in the [Office Download Center](#). You can also [order Office Service Packs on CD-ROM](#).

About Office Product Updates

"What are product updates and why do I need them?" Plus

Office administrators deploying Office product updates inside an organization.

Upgrade to Office XP

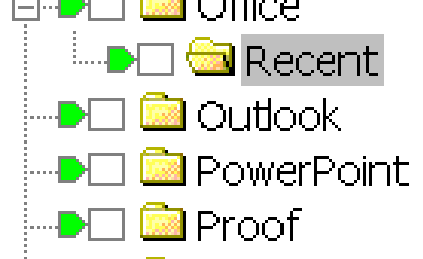
Get information on how to upgrade to the latest and greatest version of Office

 [Feedback](#) [Feedback](#)



“Slack” Space

- Much like the remainder of a videotape that has been taped over
- “Old” data
- May hold fragments of deleted documents
- Very small amounts of data



NAME	NAME	EXT	FILE
<input type="checkbox"/> 15845	Imaging.lnk	IMAGING.LNK	lnk
<input type="checkbox"/> 15846	Notepad.lnk	NOTEPAD.LNK	lnk
<input type="checkbox"/> 15847	Business Plan 050502.doc.LNK	BUSINE~3.LNK	LNK
<input type="checkbox"/> 15848	Paint.lnk	PAINT.LNK	lnk

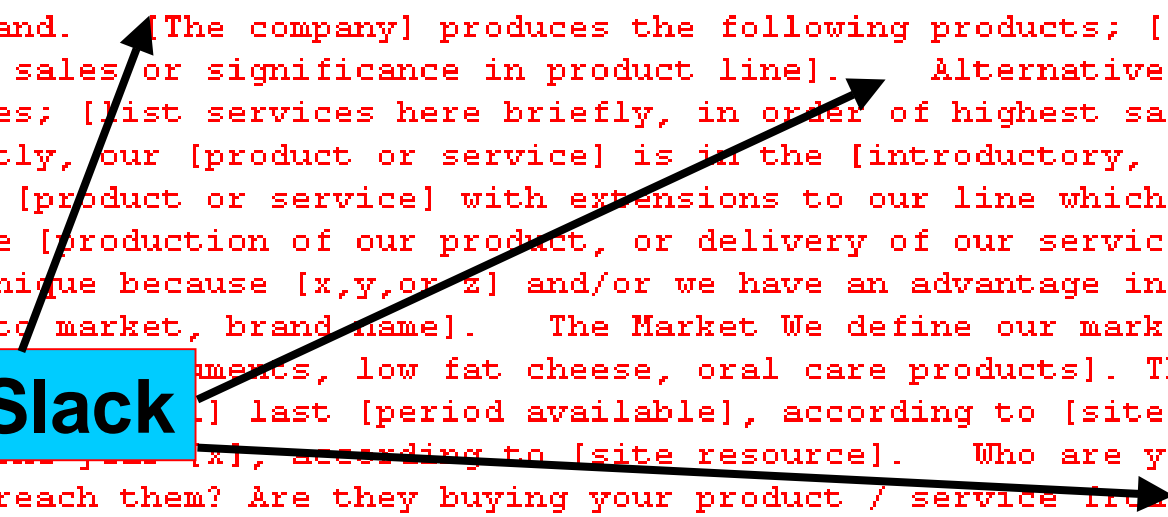
Text | Hex | Report | Picture | Disk | Evidence | Lock | PS 2164792 LS 2164792 CL 268536

```

0000 L.....À.....F..... §e|´óÁ..Xùx.óÁ..*,^´óÁ..ê.....
0102 :\.....Qÿ4.±.....,ò°..My Documents.MYDOCU~1.* E%-D.™™..6...!.1....
0204 S~1.4.2.....|,-! .Business Plan 050502.doc.BUSINE~1.DOC...h.....4...ati
0306 CORPLAP.C:\My Documents\Proposals\Business Plan 050502.doc.>...\..\..\..\My D
0408 siness Plan 050502.doc.....a.....
0510 .. retail locations or others means of distribution, d) increase research and dev
0612 ucts or to improve existing ones. Product or Service Tell us about your produ
0714 s we can understand. [The company] produces the following products; [list produ
0816 order of highest sales or significance in product line]. Alternatively, [The c
0918 following services; [list services here briefly, in order of highest sales or sig
1020 line]. Presently, our [product or service] is in the [introductory, growth, ma
1122 n to follow this [product or service] with extensions to our line which include [
1224 al factors in the [production of our product, or delivery of our service are [x,
1326 or service] is unique because [x,y,or z] and/or we have an advantage in the marke
1428 [patent, speed to market, brand name]. The Market We define our market as [man
1530 writing [products, low fat cheese, oral care products]. This market
1632 x] at [t [last [period available], according to [site resource]
1734 grow to [x,y,or z] [x], according to [site resource]. Who are your custom
1836 and how do you reach them? Are they buying your product / service from someone e
1938 cate customers to buy from you? Why will they care? Competition We compete dire

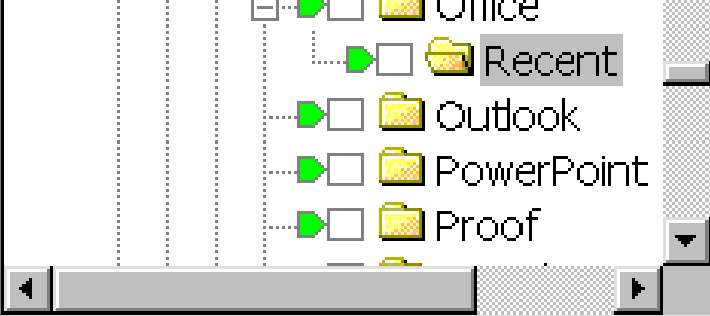
```

File Slack



Volume C:\WINDOWS\Application Data\Microsoft\Office\Recent\Business Plan 050502.doc.LNK



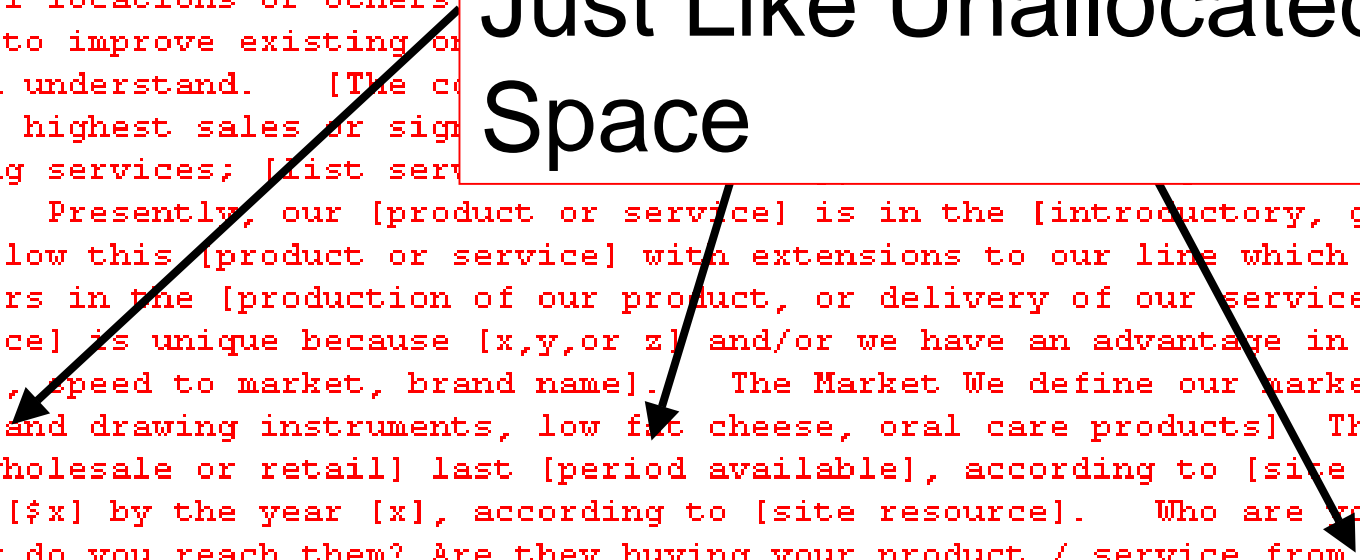


NAME	NAME	EXT	FILE
<input type="checkbox"/> 15845	Imaging.lnk	IMAGING.LNK	Lnk
<input type="checkbox"/> 15846	Notepad.lnk	NOTEPAD.LNK	Lnk
<input type="checkbox"/> 15847	Business Plan 050502.doc.LNK	BUSINE~3.LNK	LNK
<input type="checkbox"/> 15848	Paint.lnk	PAINT.LNK	Lnk

Text Hex Report Picture Disk Evidence Lock PS 2164792 LS 2164792 CL 268536

```
0000 L ..... à ..... F..... §è] 'óÁ..Xùx.óÁ.., ^'óÁ..ê.....
0102 : \..... Qÿ4. ±.....
0204 S~1.4.2..... |, -! .Business Pla..... ati
0306 CORPLAP.C:\My Documents\Propos..... \My D
0408 siness Plan 050502.doc.....
0510 .. retail locations or others..... nd dev
0612 ucts or to improve existing or..... produ
0714 s we can understand. [The c..... produ
0816 order of highest sales or sign..... [The c
0918 following services; [list serv..... or sig
1020 line]. Presently, our [product or service] is in the [introductory, growth, ma
1122 n to follow this [product or service] with extensions to our line which include [
1224 al factors in the [production of our product, or delivery of our service are [x,
1326 or service] is unique because [x,y,or z] and/or we have an advantage in the marke
1428 [patent, speed to market, brand name]. The Market We define our market as [man
1530 writing and drawing instruments, low fat cheese, oral care products] This market
1632 x] at [wholesale or retail] last [period available], according to [site resource]
1734 grow to [$x] by the year [x], according to [site resource]. Who are your custom
1836 and how do you reach them? Are they buying your product / service from someone e
1938 cate customers to buy from you? Why will they care? Competition We compete dire
2040
```

Text Can Be "Carved"
Just Like Unallocated
Space

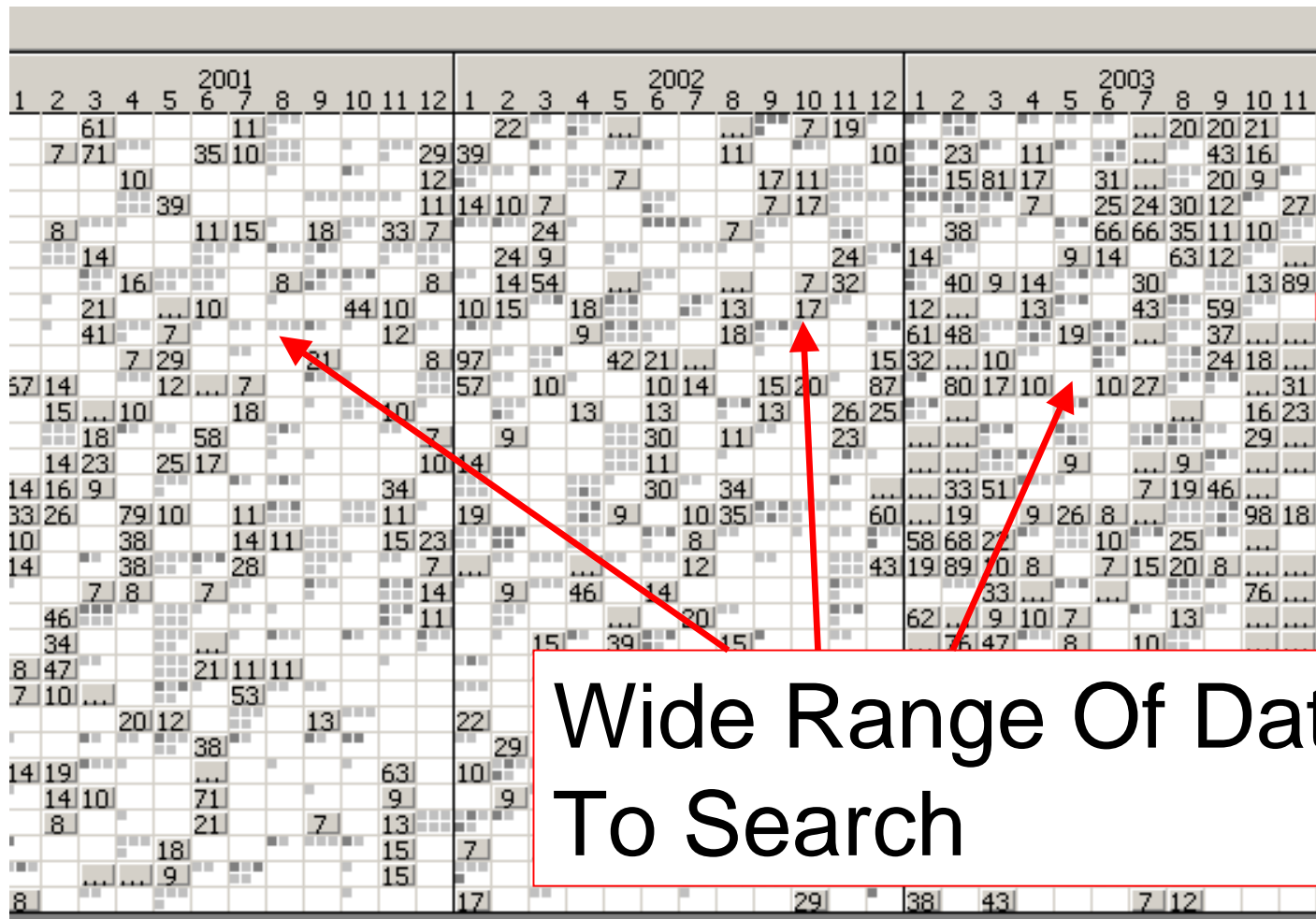


Volume C:\WINDOWS\Application Data\Microsoft\Office\Recent\Business Plan 050502.doc.LNK

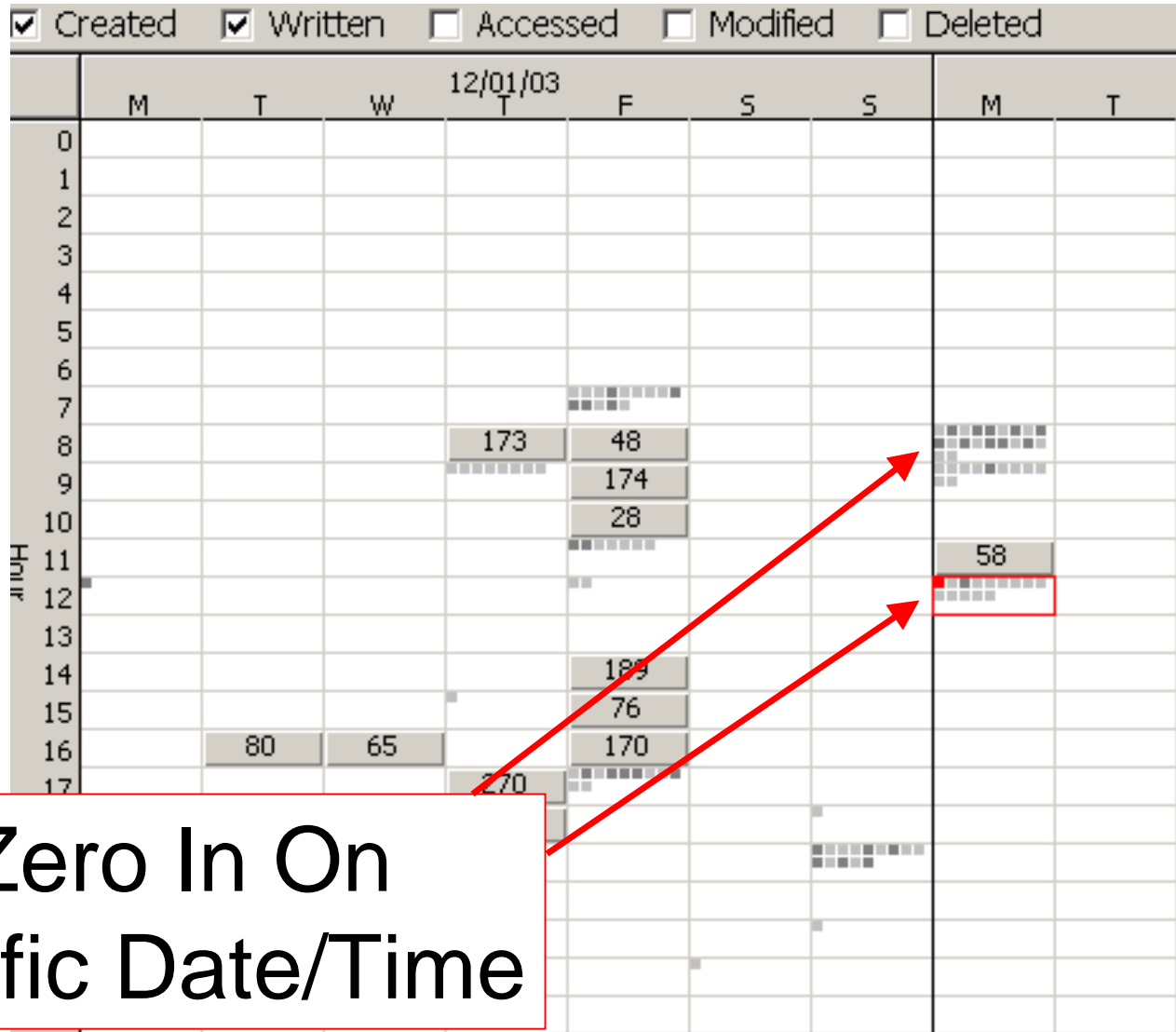




Timeline Examples



Wide Range Of Dates To Search



Can Zero In On Specific Date/Time



Web-Based Email



- Hotmail and Yahoo are widely used
- Mostly used for personal mail
- Messages are read while on the internet
- Pages are in “HTML” format



Instant Messaging

- Widely used in corporate environments
- May or may not record conversations on hard drive of computer





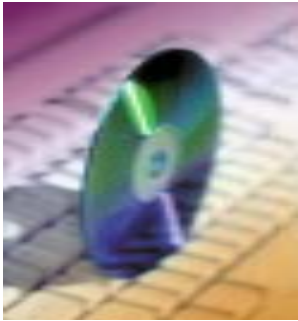
Voice Mail

- May be stored on hard drives
- Text searchable
- The next frontier in discoverable data



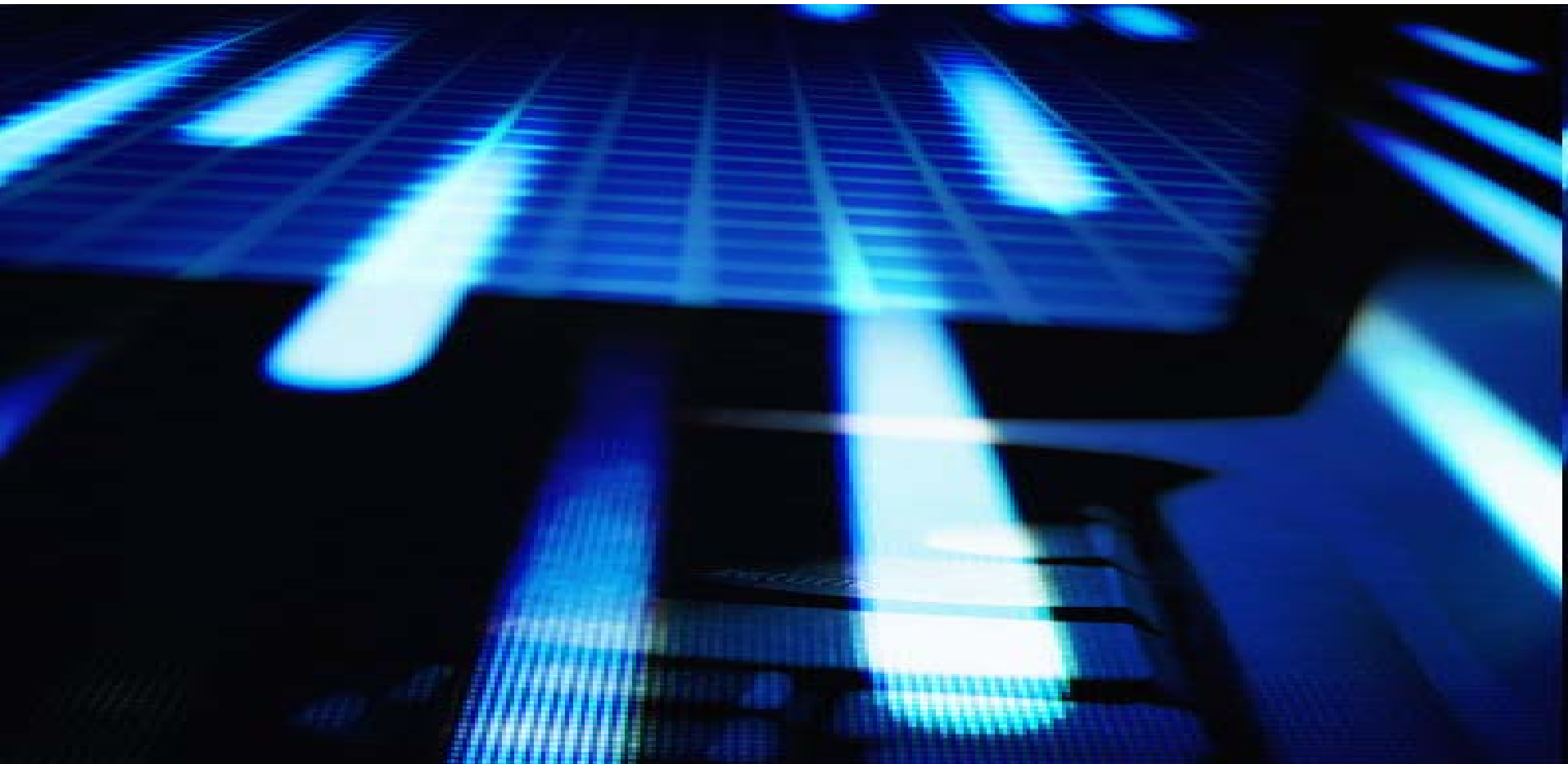


Removable Storage Media



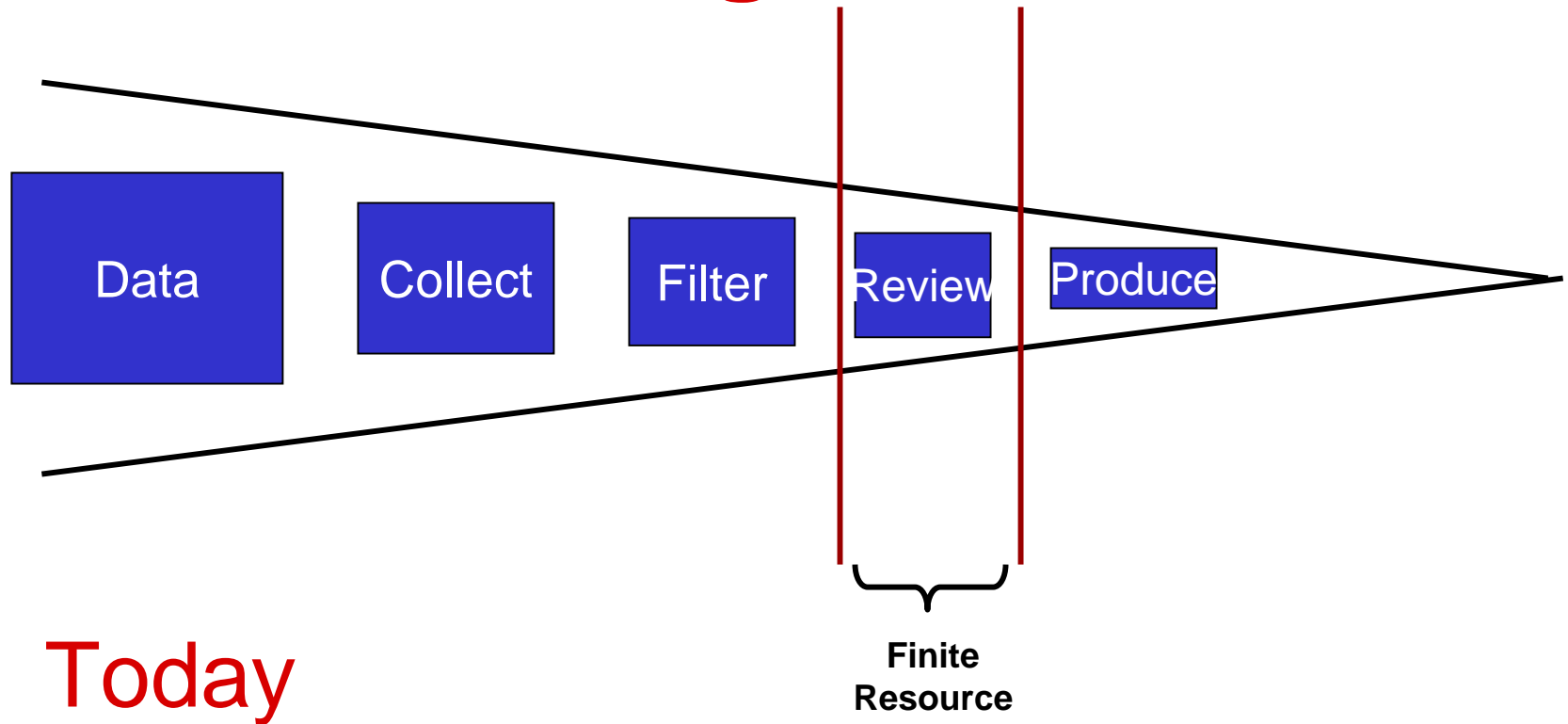


E-Risk Management



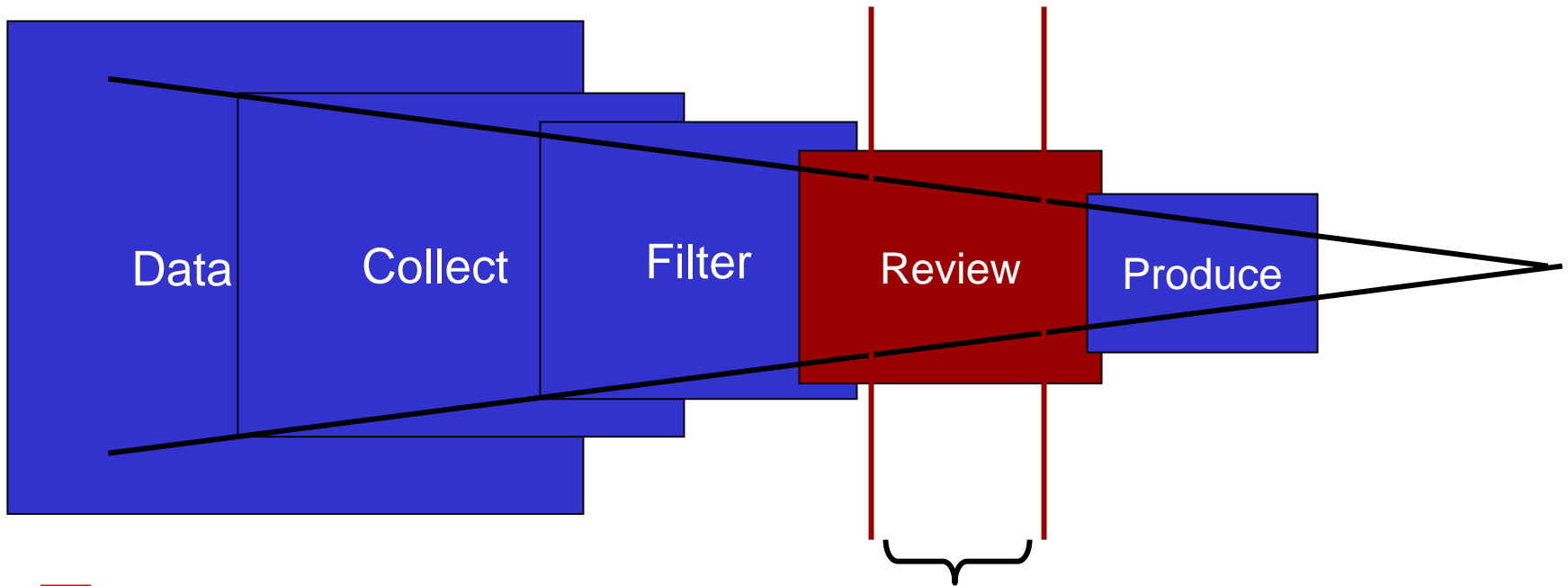


Controlling Costs & E-Risk Management





Controlling Costs & E-Risk Management

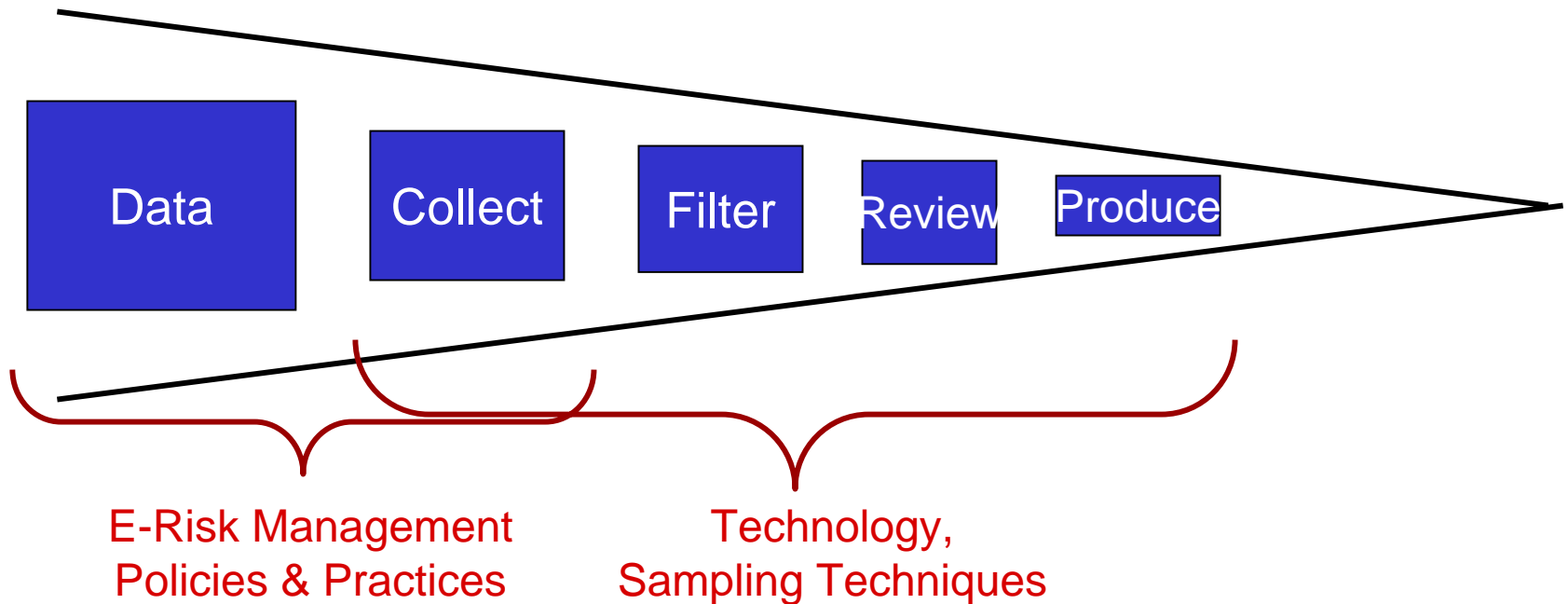


Tomorrow...

Exceeding Resources



Controlling Costs & E-Risk Management





Save Me Some Money

- Electronic risk management plans offset discovery costs
- Average annual savings \$25,000-\$100,000



Elementary My Dear...

- Surveys
- Interviews
- Reports
- Implementation





Surveys and Interviews



- Managers and staff
- Information Services
- What to ask
- Casting a wide net via surveys
- Collating responses



The Risk Control Report



- Present initial draft
- Incorporate review team's comments
- Outline recommendations



Implementation - Best Practices

- Retention and destruction schedules
- Organization
- Identification
- Audits
- Compliance





Content Control

- Policies of use
- Monitoring use
- Sampling data





Retention and Destruction Schedules

- Backup tape rotation cycles
- Assign retention periods to file types
- Periodic wiping of drives





Data Custodians

- Defining role
- Identifying
- Training
- Supporting





Compliance

- Policy
- Education
- Audits
- Sanctions



Who Can Help



- Consultants
- Attorney
“Specialists”



Preservation/Spoliation

- Respond quickly to identify and preserve electronic data
- Large amounts of data can disappear quickly





Gates Rubber Co. V. Bando Chemical Indus., Ltd.,

- Court defined a mandatory legal duty on the part of litigants to perform proper computer forensic investigations
- One expert made a “file-by-file” copy instead of evidentiary image resulting in lost information
- Court criticized errant examiner for failing to make an image copy as imaging software was available



The Future of Electronic Discovery



- Increased attorney understanding
- Wider use of expert/consultants/ attorney “specialists”
- Advanced technology in litigation support
- Educated judiciary
- Faster response time



Contact Information

David P. Stenhouse, Vice President

Computer Forensics Inc™

1749 Dexter Ave. N.

Seattle, WA 98109

Phone: 206-324-6232

Fax: 206-322-7318

dstenhouse@forensics.com