NTP Software Storage Investigator[™] Pro

User Manual







This guide details the method for using NTP Software Storage Investigator™ Pro. Upon completion of the steps within this document, NTP Software Storage Investigator Pro can be used to scan your Windows® directories and display useful information about storage usage on the file systems.

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Executive Summary

NTP Software Storage Investigator[™] Pro is a powerful, compact, Windows application tool that quickly scans Windows[®] directories, displaying information about the scanned directories. NTP Software Storage Investigator Pro enables users to manage the disk space on their home directories effectively and easily.

This guide describes typical usage of NTP Software Storage Investigator Pro.

NOTES:

Contact your system administrator if the current layout is different from the standard layout outlined in this document.

If you want to scan a remote share, then map a drive to the share and restart NTP Software Storage Investigator. The remote drive will appear in the directory tree.

Overview of NTP Software Storage Investigator Pro

The following screenshot shows the standard layout of NTP Software Storage Investigator Pro.

Reference Storage Investigator				
Eile Help				
O May	NTP Soft	ware St	orage Investigator™	
Sub-Folders Files Exts Dupes	Oldest Aging	Sector Contraction	an Export	
Computer Computer Concel Disk (C) Computer Concel Disk (C) Computer Concel Disk (C) Concel Di	Largest Files pagefile.sys en_office_professional_plu NTP5oftwareFileReporterD 1940162b.msp FRDB.bak ProPsWW2.cab ProPsWW2.cab ProPsWW.cab ProPsWW.cab NTP5oftwareFileReporterD 18017c.msp frdb driver.cab MSORES.DLL MSORES.DLL MSORES.DLL MSORES.DLL MSORES.DLL MSORES.DLL MSORES.DLL MSORES.DLL PptLR.cab 28a85da.msp 17fde0.msp data1.cab data1.cab data1.cab	Logical Size V 1,572,864 KB 665,886 KB 462,011 KB 234,690 KB 193,296 KB 193,296 KB 193,296 KB 193,296 KB 193,296 KB 193,296 KB 134,5781 KB 134,5781 KB 134,264 KB 134,264 KB 134,264 KB 134,264 KB 70,822 KB 69,323 KB 69,323 KB 69,323 KB 69,323 KB 65,243 KB 53,990 KB 53,869 KB 53,869 KB	Sub-Folder cl(Office 2010 Program Files/Microsoft SQL Server/MSSQL.1[MSSQL]Backup WINDOWS/Installer cl(FR8kup MSOCache/All Users}(90140000-0011-0000-0000-0000000FF1CE)-C cl(Office 2010)2010 Installation/ProPlus.WW WINDOWS/Software/Distribution/DataStore cl(Office 2010)2010 Installation/ProPlus.WW MSoCache/All Users}(90140000-0011-0000-0000-0000000FF1CE)-C Program Files/Microsoft SQL Server/MSSQL.1[MSSQL]Data WINDOWS/Installer Program Files/VITPSoftware}(Storage MAAI(MAGDB WINDOWS/Installer/Spatch.caches/Wanaged(000041091100000000000000000 WINDOWS/Installer/Spatch.caches/Wanaged(00004109110000000000000000 dl(Office 2010[2010 Installation/PowerPoint.en-us MINDOWS/Installer/Spatch.caches/Wanaged(0000410911000000000000000 dl(Office 2010[2010 Installation/PowerPoint.en-us MINDOWS/Installer WINDOWS/Installer WINDOWS/Installer WINDOWS/Installer WINDOWS/Installer Bocuments and Settings/Administrator.NITPGREAT/Desktop/FileReporter Documents and Settings/Administrator.NITPG	
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	Copyrig One or m	pht © 2001-2011 by N ore United States and	TP Software. All rights reserved. Jor International patents pending.	vare®

NTP Software Storage Investigator Pro can scan a drive or folder and display the results based on any one of the following criteria:

- Largest sub-folders
- Largest files
- Largest files by file type
- Duplicate files
- Oldest files
- Aged file counts
- File owners

NOTE: The user can use the features of NTP Software Storage Investigator through the buttons of the NTP Software Storage Investigator toolbar or by right-clicking the selected directory and choosing the desired functionality from the pop-up menu as shown.



NTP Software Storage Investigator Pro Results File

Results File

The results file contains a list of most of the files that were found during a scan of the selected drive or folder. NTP Software Storage Investigator Pro creates this file during each scan. The Storage Investigator Pro version gives you the ability to upload this file to NTP Software via FTP for further analysis of your storage environment. Navigate to **File** > **Set Results File** to select the location to save the results file.

Upload Results File

Navigate to **File > Upload Results File** to upload a results file. To upload an already existing results file, provide the information as shown below and click **Upload**.

	an hafara sala di	an the file to MITO Cofficient's CTO	-11
Since Manage *	lion perore upioauli	ig the file to MiP Softwares FiP	site
user		Last Name: *	
Job Title: *		Company: *	
System Analyst	•	NTP Software	
Email Address: *		Telephone: *	
cuser01@ntp.com		216-489-9935	
Couptry: *		State (Province (US or (anada): *
United States	•	Nevada	•
Size of Storage Environmen	t: *		
0 - 5 TB			

Listing Files by Chosen Criteria

NTP Software Storage Investigator Pro offers a number of options for listing files by type, age, or other chosen criteria. The following sections describes these reports.

Producing Data for the Reports

- 1. In the left pane of NTP Software Storage Investigator Pro, select the drive or folder you want to scan.
- 2. Click **Rescan** on the NTP Software Storage Investigator Pro toolbar.
- 3. Select the report you want to view by choosing a report on the toolbar or using the right-click menu.
- 4. Click the column headings in the right pane to sort the information displayed in either ascending or descending order.

Listing the Largest Sub-Folders

The **Largest Sub-Folders** report displays a list of the largest sub-folders within the folder that was scanned.

To view the largest sub-folders report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available. The right pane of the NTP Software Storage Investigator Pro window displays the folder names, total logical size, and file count.

NTP Software Storage Investigator					_ 🗆 🗙
The Tab	NTP Soft	ware Stora	age Inves	stigator™	
Sub-Folders Files Exts Dupe	s Oldest Aging	Sources Rescan	i Export		
Construction C	Largest Sub-Folders C.(WTNDOWS C.(Program Files C.(Ad) C.(Md) C.(Documents and Settings C.(Md) C.(Md) C.(Molammad Diab C.(Menn) C.(Molammad Diab C.(Menn) C.(Molammad Diab C.(Menn) C.(Molammad Diab C.(Menn) C.(Molammad Diab C.(Menn) C.(Me	Total Logical Size 7 9,705,887 KB 3,004,714 KB 2,124,993 KB 701,628 KB 108,641 KB 32,627 KB 128,627 KB 13,323 KB 128,641 KB 6,773 KB 13,723 KB 12,641 KB 6,773 KB 12,640 KB 3,725 KB 12,777 KB 118 KB 20 KB 118 KB 0 KB 0 KB 0 KB	File Count 90,872 11,916 792 792 86 2,343 60 67 162 13 26 33 14 14 4 28 7 26 6 0 0		
	= Copyri One or n	ght © 2001-2011 by NTP Sof nore United States and/or Int	tware. All rights reserve ernational patents pendi	ł. ng.	NIP Software

NOTE: Double clicking any directory from the list of the Largest Sub-Folders displays a list with the largest sub-folders within the double-clicked directory.

Listing the Largest Files

The **Largest Files** report displays a list of the largest files within the folder that was scanned.

To view the largest files report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available. The right pane of the NTP Software Storage Investigator Pro window displays the filename, total logical size, and sub-folder in which each file is located.

RTP Software Storage Investigator				
<u>File</u> <u>H</u> elp				
0 Mart	NTP Soft	ware Sto	rage Investigator™	
Sub-Folders Files Exts Dupe	s Oldest Aging	Si Comers Resca	Export	1
E Gr Ueskop E Gr Ueskop E Gr Ueskop E Gr Ueskop	Larget Files pagefile.sys en_office_professional_plu 1930162b.msp FR06.bak ProPeWW2.cb DataStore.edb ProPeWW.cab DataStore.edb ProPeWW.cab MTPSoftwareFileReporterD 18017c.ms frdb MSORES.DLL MS	Logica See 1 3 1,572,684 K8 645,886 K8 445,011 K8 445,011 K8 13,256 K8 13,256 K8 14,578 K8 14,578 K8 145,781 K8 145,	6-Folder Office 2010 ogram Files/Microsoft SQL Server/MSSQL 11/MSSQL/Backa INDOWS/Installer FRibup INDOWS/Software Desited and International Internation International Internation Internation International International Internation Inte	p FFICE)-C FFICE)-C 2000000000000000 00000000000000 FFICE)-C (FI
	Copyrig One or n	ght © 2001-2011 by NTF nore United States and/o	Software. All rights reserved. International patents pending.	Software

NOTE: To view a file's contents right click on the file and choose open or double click on the file.

Listing the Largest Files by Extension

The **Largest Files by Extension** report displays a list of the file types consuming the most space within the folder that was scanned.

To view the largest files by extension report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available. The right pane of the NTP Software Storage Investigator Pro window displays the extension name, total logical size, and count of files having the specified file type .

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Eile Help					
	NTP Soft	ware Stora	ae Investia	ator™	
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		S S			
Sub-Folders Files Exts Dupe	es Uidest Aging	Owners Rescan	Export		
E gr Desktop	Largest Extensions	A 796 452 VP	Hie Count		
- My Computer	CAB	4,700,403 ND 2 182 007 KB	238		
EUcarDisk (C)	EXE	1 743 774 KB	2 742		
	SYS	1.690.429 KB	778		
	LOG	1,292,893 KB	906		
	MSP	1.260.003 KB	169		
	BAK	699.140 KB	22		
	MSI	403,595 KB	172		
		302,082 KB	3,397		
	MDF	218,560 KB	9		
	TXT	174,345 KB	927		
	EDB	162,832 KB	2		
	INI	156,699 KB	1,429		
	3643236F_FC70_11D3_A5	96,775 KB	217		
	CHM	86,860 KB	591		
	RLL	82,052 KB	390		
	HXS	79,477 KB	26		
	DAT	75,136 KB	218		
		73,866 KB	309		
	ZIP	65,54U KB	51		
	LEA	61,763 KB	32		
	DOTY	56,526 KB	13		
	CC149/CE9 27D1 4D29 P	57,752 KD	10		
	VSS	57,373 KD	3		
	A33	57,240 KD	5		
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	1				
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	One or m	ore United states and/or Inte	rnational patents pending.		- pointire

NOTES:

- Double-clicking any extension from the Largest Extensions list displays a list with the largest files for the double-clicked extension. Note that not all files having this extension will be displayed due to memory limitations.
- Click on the Largest Extensions report again to redisplay the largest extensions.

Listing Duplicate Files

The **Duplicate Files** report lists the duplicate files within the folder that was scanned, along with their names, total logical size, and sub-folders in which they are located.

To view the duplicate files report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available.

RTP Software Storage Investigator		
<u>File</u> <u>H</u> elp		
000	NTP Soft	tware Storage Investigator ™
Sub-Folders Files Exts Dupes	i Oldest Aging	Owners Rescan Export
E G Deskop G S Conculor B C Local Disk (C)	Euglicate Files softun. cab softun. cab Softwin. cab Soft	Logical Size Y Sub-Pader 28,648 WINDOWS[ServicePadeFiles[servicepadekache/compents]/2 28,648 WINDOWS[ServicePadeFiles[servicepadekache/compents]/2 26,774 MSS0[Latest-Setup]/msdb[Setup 26,774 MSS0[Latest-Setup]/msdb[Setup 26,774 MSS0[Latest-Setup]/msdb[Setup 26,774 MSS0[Latest-Setup]/msdb[Setup 26,774 MSS0[Latest-Setup]/msdb[Setup 26,774 WINDOWS[ServicePadeFiles]/386 15,812 WINDOWS[ServicePadeFiles]/386 15,812 WINDOWS[ServicePadeFiles]/386 15,607 Program Files/Wincosht 5Q, Server[90]/Shared 15,607 Program Files/Wincosht 5Q, Server[90]/Shared 15,607 Program Files/Wincosht 5Q, Server[90]/Shared 14,308 WINDOWS[ServicePadeFiles]/386 14,308 WINDOWS[Ser
	Copyrig One or m	rright © 2001-2011 by NTP Software. All rights reserved. r more United States and/or International patents pending.

NOTES:

- a. To view a file's contents, right-click on the file and choose **Open** or doubleclick on the file.
- b. Files having the same name, the same size, and the same modification date are considered duplicates.

Listing Files by Oldest Dates

The **Oldest Files** report lists the oldest files by date within the scanned folder.

To display information about files by date, follow these steps:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. In the File Date Options dialog box, choose Date Created, Date Modified, or Date Accessed and then click OK.

File Date Options	<
Select a file date C Date Created C Date Modified C Date Accessed	
OK Cancel	

D-Folders Files Exts	Dupes Oldest Agin	g Owners Rescan		
Local Disk (C) B ← Local Disk (C)	Odest Files EQNEDI32.CHT GRBGLRY, GRA VRL232.CLB DI230676.WHF MSARTI.BDR MSARTI.BDR MSARTI.BDR MSARTI.BDR MSARTI.BDR MSARTI.BDR MSARTI.BDR MSARTE.BDR	Logical Stee 434 KB 33 KB 33 KB 37 KB 32 KB 31 KB 32 KB 31 KB 32 KB 31 KB 31 KB 52 KB 54 KB 54 KB 54 KB 54 KB 54 KB 54 KB 54 KB 54 KB 28 KB 54 KB 28 KB 2	Date Modified > Sub-Folder D(H/1996 10:56 AM Program Files/ 06/071996 12:52 PM Program Files/ 06/071996 12:52 PM Program Files/ 06/071996 02:50 PM Program Files/ 07/11197 12:00 AM Program Files/ 07/11197 13:7 AM Program Files/	Common Files/Microsoft Shared/PROOF Common Files/Microsoft Shared/EQUATION Microsoft Office/Unite 41(3033) stem32 Microsoft Office/Unite 41(30ACAT10 Microsoft Office/Unite 41(30ACBERS Microsoft Office/Unite 41(30ACBERS Microso

3. The report opens. You can see whatever information is available.

NOTE: To view a file's contents, right-click on the file and choose **Open** or doubleclick on the file.

Listing File Counts by Oldest Date

The **Aging** option lists general file-aging information in four columns in the right pane. The four columns are **0 - 6 months**, **6 - 12 months**, **12 - 18 months**, and **Over 18 months**. For example, if NTP Software Storage Investigator Pro finds 534 files that have all been modified in the last month, it lists the number 534 in the 0 - 6 months column.

To view the file counts by oldest dates report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available. For aging files, the scan results should look like the following screenshot.

NTP Soft	ware Storag	e Investig	ator							_ _ X
	A AN	1	-	NTP	Sof	tware	Stora	ge Inve	stigator™	
Dub-Folders	Files	<u></u> Exts	Dupes	Oldest	Aging	Second Se	2 Rescan	C Export		
	rop ∳ Computer ● Local Disk (¢	Ð		Aging Based on Jose Accessed Jose Modified Jose Created		0 - 6 moths 21,838 3,705 4,395	6 - 12 months 1,123 2,983 3,466	12 - 18 months 1,634 3,302 2,589	Over 18 months 21,691 36,496 36,036	
					Copy One o	vright © 2001-20 r more United St	011 by NTP Softw ates and/or Inter	vare. All rights reserve national patents pend	d. Ing.	Software [®]

Listing Files by Largest File Owner

The **Largest Owners** option shows who owns the largest files within the folder that was scanned.

To view the files by largest file owner report:

- 1. Please refer to the section entitled *Producing Data for the Report*.
- 2. The report opens. You can see whatever information is available.

NOTE: This option works only on NTFS partitions.

RNTP Software Storage Investigator					
O CAT	NTP Soft	ware Stora	ige Inves	tigator™	
Sub-Folders Files Exts Dupe	s Oldest Aging	Owners Rescan Total Logical Size	Export File Count		
E 🥌 Local Disk (C)	EUILTINJAdministrators Unknown NT AUTHORITY/NETWORK DOTINETIAdministrator NTFGREATUsenhol NTFGREATUsenhol NTFGREATUsenhol NTFGREATUsenhol NTGREATUSENhol S-1-5-21-2855741-1043 NT AUTHORITY/LOCAL SE	16,164,970 KB 1,577,564 KB 132,938 KB 2,942 KB 2,942 KB 2,585 KB 2,315 KB 1,515 KB 1,651 KB 1,651 KB 1966 KB	43,534 1 2,560 99 72 72 72 75 1		
	E Copyrig One or m	ht © 2001-2011 by NTP Soft ore United States and/or Inte	ware. All rights reserved. ernational patents pending	j.	NTP Software

Exporting Reports

The **Export** option enables the user to save the results of the current listing to a commaseparated value (CSV) file. The user can then open this file using most commonly used spreadsheet programs.

To save the results of a scan to a CSV file, follow these steps:

- 1. Click on the report that you want to export using the toolbar or right-click menu.
- 2. Click **Export** on the NTP Software Storage Investigator Pro toolbar to display a standard Windows **Save** dialog box.
- 3. Enter the name of the file and click **Save**.
- 4. Two CSV files will be created. One contains report summary information and the other contains report detail information.

Opening Files

NTP Software Storage Investigator allows administrators to open files.

Right-click or double-click on any file within a desired report and select the **Open** option to open the file.

NOTES:

- 1. The following file types will not open to prevent executing or opening binary files: exe, com, dll, lib, sys, drv, ocx, tlb, msi.
- 2. If a user double clicks a file having one of the following file types (bat, cmd, js, lnk, vbs, wsf), it will be opened in Notepad.
- 3. Opening a file marked as "Offline" will recall the file. However, if Storage Investigator is being run on the same server as either NTP Software ODDM Task Service for NetApp or NTP Software QFS for NAS (NetApp) and the file is located on the NetApp device, then the file will be opened without being recalled and will display as an empty file.

oldere Eller Evtr	Durger Oldest Anion	ee Doorden Errort
Desktop	Largest Files	Logical Size V Sub-Ender
My Computer	pagefile.svs	2.096.696 KB
🗄 🧼 Local Disk (C)	MEMODY DAM	233.367 KB Windows
🗄 🧝 home on 'Vfiler1' (Z)	W Rescan	164.445 KB Recovery\44a516a6-9b84-11df-8448-e5a65c511cb4
	WI Open	99,299 KB ProgramData\Microsoft\Windows\WER\ReportQueue\AppCrash w3wp.exe 5
	\$R Open With	94,717 KB \$Recycle.Bin\5-1-5-21-283555741-1043541260-3028413178-500
	PII	65,409 KB Windows\winsxs\amd64 microsoft-windows-ie-trigramdictionary 31bf3856a
	PII About	65,409 KB Windows\IME\IMESC5\DICTS
	DataStore.edb	57,408 KB Windows\SoftwareDistribution\DataStore
	ssee_10.msi	49,252 KB Windows\winsxs\amd64_microsoft-windows-wssee_31bf3856ad364e35_6.1.7
	ssee_10.msi	49,252 KB Windows\SysMsiCache\WSSEE
	rt.jar	44,193 KB Program Files (x86)\Java\jre6\lib
	rt.jar	43,346 KB Program Files (x86)\EMC\UIClient\jre\lib
	6cee8754d570a485a40e6	36,384 KB Windows\SoftwareDistribution\Download
	amd64_microsoft-windows	33,014 KB Windows\winsxs\Backup
	mingliub.ttc	33,014 KB Windows\winsxs\amd64_microsoft-windows-font-truetype-mingliub_31bf3856
	mingliub.ttc	33,014 KB Windows\Fonts
	data1.cab	32,979 KB \$Recycle.Bin\5-1-5-21-283555741-1043541260-3028413178-42833\\$RH0P2FO
	mingliu.ttc	31,463 KB Windows\winsxs\amd64_microsoft-windows-font-truetype-mingliu_31bf3856a
	mingliu.ttc	31,463 KB Windows\Fonts
	M1033D5K.C5D	29,100 KB Windows\winsxs\wow64_microsoft-windows-mulanttsvoiceenudsk_31bf3856a
	M1033D5K.C5D	29,100 KB Program Files (x86)\Common Files\SpeechEngines\Microsoft\TTS20\en-US\enu
	SqlRun.cab	26,754 KB \$Recycle.Bin\S-1-5-21-283555741-1043541260-3028413178-42833\\$RB7R4F
	WER36EB.tmp.hdmp	23,748 KB ProgramData(Microsoft)Windows\WER\ReportQueue\AppCrash_stgsent.exe
	System.serviceModel.ni.dl	23,254 KB Windows\assembly\NativeImages_v2.0.50727_64\System.ServiceModel\18d1
	msyh.ttr	21,258 KB Windows\Fonts

About NTP Software

NTP Software puts users in charge of their file data and is the only company providing file data management solutions that deliver all of the enterprise-class features needed to understand, manage, monitor, and secure file data completely. NTP Software is a global leader and has been chosen by the majority of Fortune 1000 companies and thousands of customers in private and public sectors for providing leadership through superior solutions, professional services, experience, and trusted advice. NTP Software delivers a single solution across the entire data storage environment, from individual files and users to an entire global enterprise across thousands of systems and sites. NTP Software reduces the cost and complexity associated with the exponential growth of file data and is located on the web at www.ntpsoftware.com.

NTP Software Professional Services

NTP Software's Professional Services offers consulting, training, and design services to help customers with their storage management challenges. We have helped hundreds of customers to implement cost-effective solutions for managing their storage environments. Our services range from a simple assessment to in-depth financial analyses.

For further assistance in creating the most cost-effective Storage Management Infrastructure, please contact your NTP Software Representative at 800-266-2755 or 603-622-4400.

The information contained in this document is believed to be accurate as of the date of publication. Because NTP Software must constantly respond to changing market conditions, what is here should not be interpreted as a commitment on the part of NTP Software, and NTP Software cannot guarantee the accuracy of any information presented after the date of publication.

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