# Restoring Windows using a Windows Vista or Windows 7 32-bit installation DVD.

## Introduction

A 32-bit version of the Windows Vista or Windows 7 installation DVD may be used to restore the following operating systems':

- Windows 2000 and Windows Server 2000.
- 32-bit and 64-bit Windows XP and Windows Server 2003.
- 32-bit and 64-bit Windows Vista, Windows Server 2008 and Windows 7.

### *Constraints*

- You must use the 32-bit version of the set-up DVD; the 64-bit version of the set-up DVD will not work. If you cannot acquire a 32-bit version of the set-up DVD then consider making an AISBackup restore CD instead.
- A minimum of 500 MB RAM is required on the PC to be restored.
- The PC must support the installation of Windows Vista or Widows 7 using a bootable DVD.
- AISBackup must be made available on CD, DVD, External drive or USB flash drive by using the Tools / Extra Tools / Copy AISBackup to CD or the Tools / Extra Tools / Copy menu option.

Prepare for disaster recovery
-------------------------------

AISBackup Cue Card	AISBackup	1	Running as Admir Reg	nistrator) gis <u>t</u> er AISE	Backup <u>M</u> ana	age Backup View Tools Help Exit
<ul> <li>Click one of the red bu to select.</li> </ul>	Select Job:	PC (BARRY	(-PC7ENT) to Net	twork 💌	Run Backup	Open Job From FTP Server
은 You do not need to ma	All Jobs	Job Lo	g <u>S</u> essions	Note	New Job	Disk to Disk Copy
choice from this menu, selecting an option from AISBackup will display appropriate cue card.	Backup Job: Last Backup: Job Filename	0	PC (BARRY-PC7EN 06 October 2009 1 PC (BARRY-PC7EN	4:34:39		Restore Registry
Tutorial 1 - Getting Sta		e Data Disc				Extra Tools ->
<ul> <li>Tutorial 2 - Advanced</li> <li>Options.</li> </ul>	Copy AI	SBackup to US	D (For use with ) SB gash Drive ne Copy Shadow S			Default Excluded Files & Folders List Do <u>n</u> ot Compress File List
Backup Options.	Type of Back		Session Based			Archive Management Find a File
Restore Options.	Retaining: Test Backup:	. 4	All Sessions /es: File Integrity I	Method.		Auto Running AISBackup Show MS Task Scheduler
🔴 Registry Options. 🍋 Other Job/Backup Opti	NTFS Securit Compression Password Pro	n: H otected: N	/es High No			Edi <u>t</u> Windows Boot Menu <u>W</u> indows Drive Assignments
AISBackup Maintenand Options.	Files to Back Already Back Excluded:		Backup Complete	ed OK. Tot	al Time: 1 Hou	Create AISBackup Restore CD
🙆 Glossary.						Menu Administration
For Help press F1 on the keyboard.	Backup Conte Preparing Bac					Program Settings and Options Program Activation Options
<u>Close</u> Always On <u>T</u> op	File Progress: Backup Progr Drive Not Ma					ing contract_contractor
1	Ready	ppea				VSS Enabled Not Mapped
\varTheta 🙆 📋	0	6				▲ 🏴 🛱 🕩 14:35 06/10/2009

To prepare for disaster recovery make a copy of AISBackup to CD by using the **Tools / Extra Tools / Copy AISBackup to CD (for use with Vista/7 set-up DVD)**. Alternatively a copy of AISBackup may be made to USB flash drive or the backup external drive by using **Tools / Extra Tools / Copy AISBackup to USB Flash Drive**.

## Instructions

The objective when using the Windows set-up DVD is to use the system options recovery tool's command prompt option to enable a copy of AISBackup to be started. The set-up DVD automatically attempts to identify and repair Windows problems, these options must be skipped or cancelled as shown in the next few pages.

Boot the PC using the Windows Vista or Windows 7 installation DVD.

Once the PC has booted the Windows set-up DVD may be removed from the drive making it possible to restore a backup that was made to CD or DVD.

😽 Install Windows		
	Windows 7	
	vviriuovvs /	
Langua <u>ge</u> to inst	tall: English	<b></b>
Time and currency form	nat: English (United States)	<b>.</b>
<u>K</u> eyboard or input meth	od: US	
Enter your langua	ge and other preferences and click "Next" to	
Copyright © 2009 Microsoft Corporation.	All rights reserved.	Next

Choose the language option and keyboard then click Next.



Select the Repair your computer option.

Set-up DVD Scan for Windows and detection of boot problems.

System Recovery Options  Use recovery tools that can help fix problems starting Window Select an operating system to repair.  System Recovery Options  Windows found problems with your computer's startup options. Do you want to apply repairs and restart your computer?  Wew details  Repair and restart	×
earlier.	

The first *Repair you computer* action is to scan the local disks for Windows operating systems and to determine if there is an error in the boot procedure. If you PC contains a hidden recovery partition (and most OEM computers do) the *Repair and Restart* form will be displayed, click **No** to skip the repair.

AISBackup Restore using Windows Vista / Windows 7 set-up DVD

# System Recovery Options

The next action depends on the status of the disk you are restoring to. If the disk is blank or unformatted the following System Recovery Option is displayed:

System Recovery Options	×
<ul> <li>Use recovery tools that can help fix problems starting Wind Select an operating system to repair.</li> <li>If your operating system isn't listed, click Load Drivers and install drivers for your hard disks.</li> </ul>	lows.
Operating System Partition Size Location	
C Restore your computer using a system image that you createriler.	sted

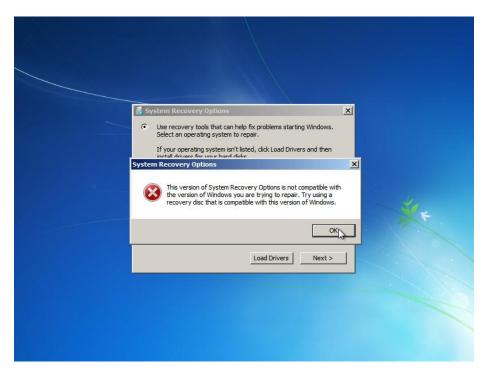
Select the Use recovery tools that can help fix problems starting Windows ... then click Next.

If you are restoring a 32-bit version of Windows the operating system will be pre selected, as shown below

🚺 5y	stem Recovery Options			×
¢	Use recovery tools that of Select an operating system If your operating system install drivers for your har	m to repair. isn't listed, <mark>c</mark> lick Load E		
	Operating System	Partition Size	Location	
	Windows 7	129943 MB	(D:) Windows7	
¢	Restore your computer us earlier.	sing a system image th		

Select the Use recovery tools that can help fix problems starting Windows ... then click Next.

**64-Bit Restore**: If you are restoring a 64-bit version of Windows the following procedure must be used:



Dismiss the warning screen by clicking **OK**.

<b>5</b> y	stem Recovery Option	5		×
0	Use recovery tools that c Select an operating system If your operating system install drivers for your had	m to repair. isn't listed, click Load D		
	Operating System	Partition Size	Location	
	Windows 7	51097 MB	(D:) Local Disk	- the second sec
۰	Restore your computer us earlier.			
4		Load Drivers	Next >	3 I

On the System Recovery Options screen select *Restore your computer using a system image that you created earlier* the click **Next**. Note that we are not actually going to use this option.

🚛 Re-image you	r computer			×	
-	1	Select a system	image backup		
		This computer will be rest Everything on this compu nformation in the system	ter will be replaced with	nage. the	
Re-imag	e Your Comput	er		×	
4	Attach the bac	ot find a system image or kup hard disk or insert th etry. Alternatively, dose	e final DVD from a backu	p	ž.
			Retry Can		
		Select a system image	i	1.2	
		< Bac	k Next >	Cancel	

On the *Select a system image backup* form click **Cancel**, the recovery tools form will then be displayed, as shown on the next page.

System Recovery Options      Choose a recovery tool      Operating system: Unknown on (Unknown) Local Disk      Startup Repair      Automatically fix problems that are preventing Windows from starting
Operating system: Unknown on (Unknown) Local Disk
Startup Repair
Butomotically in providing which be preventing which is a fully
System Restore
Restore Windows to an earlier point in time
System Image Recovery
Recover your computer using a system image you created earlier
Windows Memory Diagnostic Check your computer for memory bardware errors
Check your computer for memory hardware errors
Command Prompt
Open a comma prompt window
Shut Down Restart

Ensure that AISBackup is made available either by plugging in a copy of AISBackup on a USB flash drive, external drive or swap the Windows set-up DVD with a copy of AISBackup on CD.

AISBackup Restore using Windows Vista / Windows 7 set-up DVD

Select the **Command Prompt** option.

Microsoft Windows [Ve	s\system32\cmd.exe ersion 6.1.7600]		
X:\Sources>d:\aisbac]			
n. obu cessa aussues	<b>&gt;</b>		
open	a command prompt window		
		Shut Down Resta	art

Start AISBackup by typing [Drive]:\aisbackup, where [Drive] is usually D:\, examples: d:\aisbackup, e:\aisbackup; you may have to try several drive letters depending on the location of AISBackup.

Select Job:	<click jo<="" new="" th=""><th>b or Quick Job&gt;</th><th>• •</th><th>Run <u>B</u>ackup</th><th>Preview</th><th>Restore from Ba</th><th></th></click>	b or Quick Job>	• •	Run <u>B</u> ackup	Preview	Restore from Ba	
All Jobs <u>J</u>	ob Log	Sessions 1	Note	New Job	Quick Job	Backup Report	rts
Job name 🔺 🛛	ast run date	Next MS schedul	le La	st run status			
	AISB	ackup: Plea	se Wa	it	<b>\$</b>	×	
					G		
			ing AISE				
		Copying	from CD	to Disk.			
			÷.,				
					C3		
<u>_</u>							
Backup Conten							
Calculating Rac	Kup.						
Calculating Bac File Progress:							

If AISBackup is started from a DVD it is copied to disk to enable the CD/DVD drive to be used for restoring disc based backups.

.crosoft	AISB	ackup	Start Netwo	ork <u>M</u> anage Bao	kup <u>V</u> iew	<u>T</u> ools <u>H</u> el	p E <u>x</u> it	
\Source	Select	AISBackup	Restore CD:	Options.		⊕ ×	ackup	
\Source	Selects	Select an option	to proceed.			•		
voource	A <u>l</u> l Job	• 1/ Restore fro	om a backup.				rts	
	Job na	C 2/ Disk Mainte	enance.					
		O 3/ File Viewer.						
		O <u>4</u> / Load a devi	ice driver.					
		O 5/ Check and	Change Boot Menu.					
		C 6/ Check and	Change Disk Drive Assi	gnments.				
		O Z/ Command I	Prompt.					
		0 <u>8</u> / Turn Off / R	Restart PC.					
								*
	Backup							
	Calculat							
	File Pro	Press F1 for Help			Next	Cancel		
	Backup CD Usage	-				<u></u>		
	co osage							

Choose Restore from a backup.

AISBackup Start Network Manage Backup View Iools Help Exit select 3 Select 3 AISBackup Restore CD: Source of backup. Select source of backup data then click Next. AIJ Job Job na C 2/ Restore from a networked drive. C 3/ Restore from a FTP Server. Select this option if the backup is on a network drive.	i Administ icrosoft	-		Running as Administrato					
Source All Jot John C. J. Restore from a local drive, CD, DVD, External drive etc. C. J. Restore from a networked drive. C. J. Restore from a FTP Server.	10103010						<u>T</u> ools <u>H</u> e	lp E <u>x</u> it	
All Jot     © 1/ Restore from a local drive, CD, DVD, External drive etc.       Job na     © 2/ Restore from a networked drive.       © 3/ Restore from a FTP Server.	:\Source	Select J	AISBackup	Restore CD: S	ource of bac	kup.	-\$+ ×	ackup	
Ap Jul       (* 1/ Restore from a local drive, CD, DVD, External drive etc.         Job na       (* 2/ Restore from a networked drive.         (* 3/ Restore from a FTP Server.	:\Source							rts	
C 3/ Restore from a FTP Server.			• 1/ Restore fro	om a local drive, CD, DVD	N				
		Job na	C 2/ Restore fro	om a networked drive.	4				
					rive.			-	*
Calculat		File Pro	I						
		Backup	Press F1 for Help		<u>B</u> ack	Next	<u>C</u> ancel		
Duran Et faultala David Haut Canad		CD Usag	e:						
Duran Et fan Unite									

Choose the restore option depending on the location of the backup, e.g. local drive or network options. In this example we are using **Restore from a network drive**.

( Aliy (	Computer Computer	REA DEF	is wirds ap	DVD Labels	AISDateMo	Invoices from Otter	Photos	Shortcut ( CompanyA		Logon-Log. xls	Shortcut t OpenExclus
			W - Microsoft V	irtual PC 20	07						
Re	200325252	Edit CD I	Floppy Help								
		Administ	AISBackup V	ersion: 2.7 (R	unning as Adr	ministrator)					
1		crosoft	AISBack			art Network	<u>M</u> anage	Backup <u>V</u> i	ew <u>T</u> ools <u>H</u> e		
ites	X:	\Source	Select Job:	<click j<="" new="" td=""><td>ob or Quick Jo</td><td>ob&gt; 💌 🖪</td><td>in <u>B</u>ackup</td><td>Preview</td><td>Restore from</td><td>Backup</td><td></td></click>	ob or Quick Jo	ob> 💌 🖪	in <u>B</u> ackup	Preview	Restore from	Backup	
	X÷	\Source	All Jobs 🤰	ob Log	Sessions	Note	New Job	Quick Job	Backup Rep	oorts	
			Job name 🔺 🛛	ast run date	Next MS sche	edule Last ru	un status	ſ			
PT											
								•			
C R				AISI	Backup	k has not beer	initializad	\$	× I		
ľ						start network?		· • • •	•		
Up					1.5	cure network:					
Цр 8:1		_					Yes	5 <u>N</u> O		×	
								3			
(											
			Backup Conten	ts File:							
Alfs			Calculating Bac	kup:							

The first time the network is used it must be initialised, this may take a few minutes. If the network is not available you may have to install the appropriate device drives, see page xxx

AISBackup Version: 2.7 (Running as Administrator)         Posoft         AISBackup       Manage Backup View Tools Help Exit         Source         Source         Source         AISBackup: Map Network Drive         AISBackup: Map Network Drive         Map Share:         Vswordfish/backups-data3         To Drive:       Z         Username:       backup         Dive       Share
AISBackup       Planage backup       Jobs       Perview       Tools       Perview       Restore from Backup         Source       Select Job: <click job="" new="" or="" quick="">       Run Backup       Perview       Restore from Backup         All Jobs       Job       Log       Sessions       Note       New Job       Quick Job       Backup Reports         All Jobs       Job       Log       Sessions       Note       New Job       Quick Job       Backup Reports         All Sbackup:       Map Network Drive  <!--</th--></click>
Source Celevier of the solution of cale solution of the soluti
All Jobs Job Log Sessions Note Hew Job Quick Job Backup Reports          AISBackup: Map Network Drive         Map Share:       \/\swordfish\backups-data3         To Drive:       Z         Username:       backup         Password:       ******
AISBackup: Map Network Drive Map Share: \\swordfish\backups-data3 To Drive: Z Username: backup Password: ******

Type the name of the network share and the username and password of an authoirised account, then click **Map**.

AISBackup Restore using Windows Vista / Windows 7 set-up DVD

dminist [ Posoft	атэраски	Version: 2.7 (Running as Admi	instrator)		<u>- 0 ×</u>	
rosoft A	ISBac	kup	<u>M</u> anage Backup <u>V</u>	iew <u>T</u> ools	<u>H</u> elp E <u>x</u> it	
Source 5	elect Job:	<click job="" job<="" new="" or="" quick="" th=""><th>Run <u>B</u>ackup</th><th>Restore f</th><th>rom Backup</th><th></th></click>	Run <u>B</u> ackup	Restore f	rom Backup	
Source	A <u>l</u> l Jobs	💽 Open Job From Backup M	edia	×	p Reports	
	Job name 🗠	Look in: 🚺 Virtual XP		<b>.</b>		
		Name 🔺		Туре		
		VirtialXPPro	· · · · ·	AISBackup B		
		VirtialXPPro.bdb	8/15/2009 4:40 AM 8/15/2009 4:40 AM	AISBackup A AISBackup F		
		•		Þ		
		File name: VirtialXPPro		Open		
		Files of type: Backup, E-mail a	and Archive Backups	Cancel		*
		These stype. [Backup, E-mail a		//.		
	ackup Conte					
	alculating B ile Progress					
	ackup Prog					
C	D Usage:					

Select and **Open** the backup job using the *Open Job From Backup Media* form.

АТЭвас	kup: Select session	×
Session:	All Sessions	<b></b>
Commen	: Select All Sessions when restoring individual files and you want to choose from all versions that have been backed up.	
	Choose a dated session to restore files and folders back to a selected date.	
Session:	35 Date: Saturday, August 15, 2009 1:40:12 PM	
Comment	: Scheduled Backup: Completed successfully	
Session:	34 Date: Friday, August 14, 2009 1:40:11 PM	
Comment	: Scheduled Backup: Completed successfully	
Session:	33 Date: Saturday, May 23, 2009 1:40:56 PM	
Comment	: Scheduled Backup: Completed successfully	
Session:	32 Date: Tuesday, April 21, 2009 1:40:16 PM	
Comment	: Scheduled Backup: Completed successfully	
		<b>_</b>

Select the dated session to be restored, do not select *All Sessions* for disaster recovery, and then click **Next**.

a Administ 💓 AISBackup Version: 2.7 (Runn 🕽 AISBackup: Restore	ing as Administrator)		<u> </u>	
AISBackup: Select files to	restore			
⊡¶ Virtial XP Pro	Name 🗠	Gen	Size Type	Modified
B Ø WINXP (F:) on DOTTIEDOG	Documents and Settings Program Files ECYCLER Boot.ini For NtDETECT.COM NtDETECT.COM Ntldr	11 0 0		8/3/2004 9:38:
· · · ·	4			F
Eind         Print Files         Restore From           35: Saturday         35: Saturday	1 Session: 7. August 15. 2009 1:40:12 PM		<u>B</u> ack <u>N</u> e	xt
оренніў васкир				

Select the drives you wish to restore, for Windows 7 this is usually two drives where one drive holds the boot files and the second drive holds the copy of Windows 7 and your data. After selecting the drives click **Next**.

	RY-PC7ENT) to Network - sw 🔽 Run Ba	ckup Preview Restore fr	
AISBackup: R	estore destination		⊕ ×
AISBackup: M	ultiple Drive Restore De	estination	⇔ ×
	olume{d0d97553-b06d-11de-828d		lestination drive
Source drive: C: O	riginal destination drive not found.	(Disk size: 65432MB)	E S
			<b></b>
	drive for each drive been restore	d. The destination drive lett e letter assignments can be	
after restore.	as the source trive as logical trive		corrected
		<u>B</u> ack Nex	
after restore.			ct <u>C</u> ancel

In this example we are restoring to a brand new unformatted. Click the 🖻 button to open the restore destination dialogue. If the original disk drives are present on the PC AISBackup automatically selects them as the default destination, the automatic selection can, of course, be changed.

on Adm Micros		kup Version: 2.7 (Running as Administrator) Ackup Manage Backup View Tools Hi		
X:\Sou	urce Select Job			
X : \Sou		Select Directory	-	
	AISBac	Select Restore Destination	<b>⊕</b> ×	
	Source dr	B C D Drive (D:) AlsbackupC B Boot (X:) (system) [Disk Free: 27.67 MB] B C Backups (\\swordfish) (Z:)		
	Choose a ( have to be		loes not rected	
	after rest		<u>Cancel</u>	
	Press F1 fo	New Folder         Refresh         QK         Cancel	<u>Cancel</u>	
	Backup Pr CD Usages Opening	ogress:		

Select the Unallocated Disk Space option, and then click OK.

	kup Version: 2.7 (Running a	s Administrator)	
		Manage Backup View Tools !	
	Create and format drive Drive Size MB:	Same as original drive: 🔽 71	
AISBac		Select or enter the size (in MB) ☑ <u>M</u> ake Active	⊕ ×
Source dr	Drive Letter:	Current Boot (Active) Drive = None.	ination drive
Source dr	File System: Allocation Unit Size:	NTFS  Default allocation size	
Choose a ( have to be after rest	Volume Label:	New Volume	loes not rected
Press F1 fo	Ready	1	<u>Cancel</u>
Press F1 fc		<u>Create</u>	Cancel
Backup Pr CD Usage: Opening			

If the original disk size is known to AISBackup<sup>\*</sup> it is set as the default for the *Create and format disk* dialogue. Other options include 50% disk size or remaining disk space, or the disk size may be entered manually. Note in this example of restoring Windows 7 the boot files only occupy a 71MB disk and Windows several gigabytes; it would be a waste of disk space to allocate more than 71MB to the boot files, however you may want to allocate the remaining unallocated disk space for the Windows partition.

The drive letters at this stage arte logical and it does not matter that the boot partition that did not have an original drive letter and Windows that was allocated drive C:\ are restored to different drive letters, when the restored Windows is booted the drive letters will be back to normal. In this example we are assigning drive letter E:\ to the boot files restore.

### Important

The boot files must also be restored to a Primary / Active drive or the PC will not boot, to set this option check the option **Make Active**.

Once the disk parameters have been set click Create.

Notes:

\* The original disk size was only stored in AISBackup from build 2.7 (348) and for disk drives without a logical drive letter from build 2.7 (359).

Select Job: PC (BARRY-PC7ENT) to Network - sw 🔻 Ru	<u>Manage Backup</u> <u>View</u> <u>Tools</u> <u>H</u> elp <u>Exit</u>
AISBackup: Restore destination	<del>\$</del> ;
AISBackup: Multiple Drive Restore	Destination $\Leftrightarrow$ :
Source drive: \\?d0d97553-b06d-11de-82	
Source drive: C: Original destination drive not fou	ınd. (Disk size: 65432MB)
Choose a destination drive for each drive been rest have to be the same as the source drive as logical of after restore.	
Press F1 for Help	<u>Back</u> <u>N</u> ext <u>C</u> ancel
Press F1 for Help Press F1 for Help	Back Next Cancel

In this example we are restoring the Windows C:\ drive to a brand new unformatted disk. Click the second 🖻 button to open the restore destination dialogue.

AISBac	Select Restore Destination	
Source dr E:\ Source dr Choose a c have to be after rest	Computer Unallocated Disk Space on Internal disk 0, size: 126.92 (B) CD Drive (D:) AISBackupCD New Volume (E:) [Disk Free: 59.27 MB] Boot (X:) (system) [Disk Free: 26.04 MB] Dackupdata (\\barry-pc) (Z:) loes not rected	lrive
Desare Fit for F	revious Selections:	

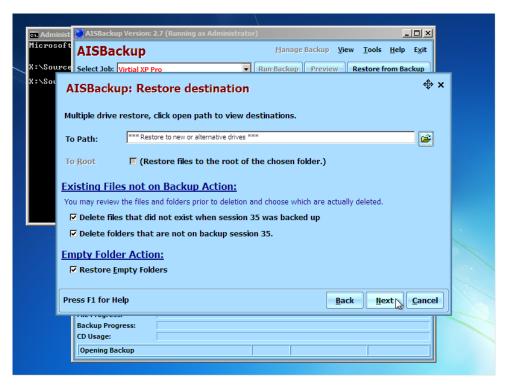
AISBackup Restore using Windows Vista / Windows 7 set-up DVD

AISB	kup Version: 2.7 (Running a ackup	Manage Backup View I	
	Create and format drive	Available Space:	ere from Backup
AISBac		Select or enter the size (in MB)	⊕ ×
Source dr	Drive Letter:	Current Boot (Active) Drive = E:\	ination drive
Source dr	File System: Allocation Unit Size:	NTFS	
Choose a c have to be after rest	Volume Label:	New Volume	ioes not rected
Press F1 fo	Ready		
Press F1 fc Backup Pr	ogress:	<u>C</u> reate <u>C</u> a	ncel
CD Usage: Opening			

For the Windows disk the remainder of the disk space may be selected for restore, the Volume name may also be changed from *New Volume*, e.g. *Windows7*. Click **Create** to continue.

AISBackup: Res	PC7ENT) to Network - sw V			<b>⊕</b> ×
AISBackup: Mul	tiple Drive Restore			<b>⇔</b> ×
	me{d0d97553-b06d-11de-			lestination driv
E:\				
LOIS NO				
	nal destination drive not fo	ound. (Disk size: 65	432MB)	
Source drive: C: Origi		•	•	er does not
Source drive: C: Origi	nal destination drive not fo ive for each drive been re the source drive as logica	stored. The destina	ition drive let iments can be	er does not corrected
Source drive: C: Origi	ive for each drive been re	stored. The destina	tion drive let	er does not corrected
Source drive: C: Origi	ive for each drive been re	stored. The destina	ition drive let iments can be	e corrected

The destination drives have been selected, click Next.



The restore destination form has been completed, see AISBackup help for details of the remaining options.

	AISBackup Version:	2.7 (Running as Administrate	ər)			-DX	
	AISBackup		<u>M</u> anage	Backup <u>V</u> iew	Tools	<u>H</u> elp E <u>x</u> it	
	Select Job: PC (BARRY	-PC7ENT) to Network - sw 💌	Run <u>B</u> ackup	Preview	R <u>e</u> store fro	om Backup	
	All Jobs Job	Log Sessions Note	New Job	Quick Job	<u>B</u> ackup I		<b>_</b>
	AISBackup: Dup	licate file action	and NTFS	Security	,	\$	× –
D	Juplicate File Actio	<u>n:</u>	6				
	C 1 Do Not Replace Dupli	cates					
	C 2 Always Prompt						
	O 3 Replace Duplicates						
	€ <u>4</u> Replace Duplicates w	vith Different Files Only (Olde	er or Newer)				
	C 5 Replace Duplicates w	ith Newer Files Only					
N	ITEC Cocutity Cott						
<u>N</u>	ITFS Secutity Setti	<u>ngs:</u>					
	Restore NTFS Secur	ity Settings					
	♥ Restore NTFS Secur Press F1 for Help	ity Settings		Back	( <u>N</u> e)	t <u>C</u> ance	
		ity Settings		Back	( <u>N</u> ex	t <u>C</u> ance	
	Calculating Backup: File Progress:	ity Settings		Back	( <u>N</u> ex	Cance	
	Calculating Backup: File Progress: Backup Progress:	ity Settings		Back	( <u>N</u> e)	t <u>C</u> ance	
	Calculating Backup: File Progress:	ity Settings		Back		t <u>C</u> ance	

If the *Duplicate file action and NTFS security settings* form is displayed click **Next**. It is highly recommended that NTFS security settings are restored when making a disaster recovery or new disk installation restore.

crosoft	AISBackup			<u>M</u> anage	Backup View	v <u>T</u> ools	<u>H</u> elp E <u>x</u> it	
\Source	Select Job: Virtial XP	° Pro	-	Run <u>B</u> ackup	Preview	R <u>e</u> store f	rom Backup	
Source	All Jobs Job	Log Sessions	Note	New Job	Quick Job	<u>P</u> ause	Abort	
	Disk 0 is now the selec		inges (		(			
	DiskPart succeeded in	mobuchup						
	DiskPart successfully a				- K			
	DiskPart successfully fi	Res	storing: Wind	ows XP				
	Leaving DiskPart		to restore: 2	2851 Files				
	Restore Started: Wed Temporary OS Restore		estoring C:\ f	to C:\				
	Temporary files: X: \AI	-	estoring F:\ I					
	Restore Confirmation: Restoring F:\ to E:\ -	3	25 Empty Fo	ders		g C:\ to	C:\- - Okav to     ▼	
	Collecting File Details,	NTFS File and fo	der security	, attributes wi	ill be	tored -		
	Preparing Files		restored					
	Sorting Selected Files Preparing Folders pass		kay to conti	nue?				*
	Preparing Folders pass Checking Destination F		view the re	store file celev	ction			
	Checking Deschadorn	Click Preview of	view the re	store me selet	cuon.			
		Ask before rest	oring protec	ted or in-use f	iles.			$\sim$
	Backup Contents File		Prev	view Yes	No			
	Preparing Backup:				45			
	File Progress:							
	Backup Progress:							
	CD Usage:							

Confirm the restore by clicking Yes.

		_
es. Administ	🔁 AISBackup Version: 2.7 (Running as Administrator)	
Microsoft	AISBackup Manage Backup View Tools Help Exit	
X:\Source	Select Job: Virtial XP Pro	
X:\Source	All Jobs Job Log Sessions Note New Job Quick Job Pause Abort	
	Checking Boot Menus	
	Checking E: \WINDOWS\ boot menu: Restored: Microsoft Windows XP (E: \WINDOWS\) Checking Boot Menus	
	Checking C:\WINDOWS\ boot menu: Restored: Microsoft Windows XP (C:\WINDOWS\)	
	Checking Boot Menus Checking E:\WINDOWS:\boot menus Destanded Microsoft Micr	
	Checking Boot Menus AISBackup	
	Checking C:\WINDOW	
	0 files deleted from res Restore completed	
	Restore Ended: Wedn	
	Empty Folder Restored	
	Empty Folder Restored	
	Empty Folder Restored	*
	Empty Folder Restored	
	Empty Folder Restored: E: \vurupOvvs\systemsz\wpem\nongoou\	
	Empty Folder Restored: E:\WINDOWS\system32\wbem\snmp\ Empty Folder Restored: E:\WINDOWS\system32\xircom\	
	Empty Folder Restored: E: \WINDOWS\Systems20urcom\ Empty Folder Restored: E: \WINDOWS\WinSxS\InstallTemp\	
	Setting Folder Dates	
	Backup Contents File:	
	Preparing Backup:	
	File Progress:	
	Restore Progress	
	Z: Drive Usage	
	Setting Folder Dates 0:00 4735 of 4735 Z:\ Drive	

When the restore completes click  $\ensuremath{\text{OK}}$  .

	Backup Manage Backup View	Tools Hel	p E <u>x</u> it
Select I	AISBackup Restore CD: Options. Select an option to proceed.	⊕×	ackup
All Job X: \wind partitio X: \wind partitio X: \wind -addlas X: \wind operati Update 0 files o	C 2/ Disk Maintenance. C 3/ File Viewer. C 4/ Load a device driver. C 5/ Check and Change Boot Menu. C 6/ Check and Change Disk Drive Assignments. C 2/ Command Prompt.		rts
Restore Empty Empty Empty Empty Empty Empty Empty Empty Setting	Use this option to check and make changes to the boot menu on the PC. If the PC is not booting then use this option to repair the boot menu files.		
Backup Prepari File Pro		Cancel	
Backup Z: Drive			

AISBackup restores Windows with a default menu heading, select **Check and Change Boot Menu** to alter the default values.

Boot Menu Manager	n an			
Vista Legacy		Dfit Yes	Path	Parameters
Restored: Windows 7 Ente	a prise	Tes	C:\windows\system32\winload.exe	nx:OptIn
Edit	Boot Menu Item		6	×
Move Up	enu Name: Windows rameters: nx:OptIn	; 7 Enterpris	e	partition: C:
Additional Operating Pro	ess F1 for help with t		u parameters.	Cancel ent Boot
Name		11	Path	
Add To Menu Ba	ase On: Restored: Windo	ows 7 Enterprise	ID={default}	<b>_</b>
Menu Timeout: 30	0 = Boot Default -1 = No Timeout	No Wait	Copy Boot Menu	<u>Save</u> <u>Close</u>

In this example *Restored Windows 7 Enterprise* is changed to *Windows 7 Enterprise*. The menu should then be saved by clicking **Save**, and then the form closed by clicking **Close**.

Administ crosoft	AISBackup Version: 2.7 (Running as Administrat			
	АІЅВаскир	<u>M</u> anage Backup <u>V</u> iew	<u>T</u> ools <u>H</u> elp E <u>x</u> it	
\Source		)ptions.	🕀 🗙 ackup	
\Source	Select an option to proceed.		rts	1
	All Job O 1/ Restore from a backup.			
	Checkir O 2/ Disk Maintenance.			
	Checkir O 3/ File Viewer.			
	Checkir Checkir O <u>4</u> / Load a device driver.			
	Checkin C 5/ Check and Change Boot Menu.			
	0 files c Restore 6 Check and Change Disk Drive Assig	nments		
	Restore brokenit O Z/ Command Prompt.			
	bcdedit			
	Empty i		[	<u> </u>
	Empty I			
	Empty i Empty i			*
	Empty i			
	Empty			
	Empty i Empty i			
	Setting			
	Backup			
	Prepari			
	File Pro			
	Backup Press F1 for Help	<u>N</u> ext	<u>Cancel</u>	
	Z: Drive Usage			
	Ready	4735 of 4735	Z:\ Drive	

Click Turn off / Restart PC to restart the PC.

P.4	n: 2.7 (Running as Administrator		
AISBackup		<u>M</u> anage Backup <u>V</u> ie	w <u>T</u> ools <u>H</u> elp E <u>x</u> it
Select Job: Virtial XP	Pro 💌	Run <u>B</u> ackup <u>P</u> review	Restore from Backup
A <u>l</u> l Jobs <u>J</u> ob	Log <u>S</u> essions Note	New Job Quick Job	Backup Reports
Checking Boot Menus	i		
Checking C:\WINDOWS Checking Boot Menus	S\boot menu: Restored: Microsoft W	indows XP (C:\WINDOWS\)	
	) boot menu: Restored: Microsoft W	indows XP (E:\WINDOWS\)	
Checking Boot Menus			
	S\boot menu: Restored: Microsoft W	indows XP (C:\WINDOWS\)	
0 files deleted from res		•	
Restore Ended: Wedne bcdedit The boot conf		÷	×
bcdedit. The boot conf		boot option. 🧳	
bedealt me boot com			
Empty Folder Restored			
Empty Folder Restored			
Empty Folder Restored		rn Off <u>R</u> estart <u>C</u> ancel	
Empty Folder Restored	: E: \WINDOWS \system32 \wbem \mo		
	: E: \WINDOWS \system 32 \wbem \mo : E: \WINDOWS \system 32 \wbem \snn		
	: E:\WINDOWS\system32\xircom\	(Ju)	
	: E:\WINDOWS\WinSxS\InstallTemp	k	
Setting Folder Dates			
Backup Contents File	:		
Preparing Backup:			
File Progress:			
Backup Progress:			
Z: Drive Usage			

Conform by clicking Restart.



When booting from the Windows 7 or Vista installation DVD youmay also have to click **Restart** on the *System Recovery Options*