

Acronis® True Image Home 2011

Reviewer's Guide



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Introduction

This guide is intended for members of the media and others who will be evaluating Acronis® True Image™ Home 2011 disk imaging, backup and recovery solution. We will look at the features and benefits of the product, as well as some of use cases where the solution might be helpful, plus describe the installation of Acronis True Image Home 2011.

Based on Acronis' award-winning patented disk imaging technologies, Acronis True Image Home 2011 is our next-generation disaster recovery product designed for advanced home users and the 'man on the street'. The aim of this version of the solution is to make backup and recovery available for everyone with a redesigned easy-to-use interface for novice users, as well as an advanced feature set for advanced users.

What is Acronis® True Image™ Home 2011?

Acronis True Image Home 2011 is an integrated software suite that ensures security of all the information on your PC. It can back up your system partition or even entire disk drives, as well as all of your data, while also securely destroying any confidential data you no longer need. Acronis Online Backup allows you to store your most important files on a remote storage, so they will be protected even if your computer gets stolen or your house is affected by a natural disaster. Acronis Nonstop Backup continuously saves changes in your system and files (as often as every five minutes) allowing you to rollback easily to any point in time if the need arises.

- **Disk Imaging** - Acronis True Image Home includes our patented disk imaging backup technology. You can copy your entire PC, including the operating system, applications, user settings, and all data. In the event of a system or disk crash, virus attack or other fatal failures you can restore the entire disk contents in minutes - no reinstallations required!
- **Back up your documents, music, video, photos, and e-mails** - Protect your digital memories from a fatal system failure. Unlike traditional printed pictures or music CDs if your PC crashes those memories will be lost forever without Acronis True Image Home.
- **Try&Decide** - Create a temporary, safe place on your hard disk where you can perform changes to your system that otherwise might not be advisable, such as installing new software, downloading files from the Internet, or opening e-mail attachments. If the operations are successful, you can apply those changes to the real system or discard the changes as you wish.
- **Security and privacy tools** - Use Acronis Drive Cleanser®, File Shredder and System Clean-up utilities to protect your privacy by safely destroying sensitive data, cleaning up your system, or securely wiping the entire hard drive.
- **Support for Zip format** – Create file-level backup archives as zip files. Zip is one of the most widely used and popular archiving formats. In addition, Microsoft Windows has built-in support of this file format making it possible to extract files from backups created by Acronis True Image Home without using the program itself.

What's New in Acronis True Image Home 2011?

- **New user interface** – Redesigned user interface and usability enhancements, based on the results of usability testing from our customers, make Acronis True Image Home easier to use than ever before.
- **Predefined backup schemes** – Acronis True Image Home offers you predefined backup schemes designed for specific user needs - from a disk space-efficient scheme suitable for users with limited backup storage capabilities to a scheme for those users who need higher security for their data and system. The program offers different backup schemes for disk and file type backups. You just select a scheme and the program automatically manages your backups. In addition, you can create a custom backup scheme which will exactly suit your needs.
- **Check points** – The Acronis Backup Explorer timeline shows Windows and software installation and update dates. Moving your mouse over a check point opens a balloon with information about the update or software. With check points you can check the changes to your system and recover the system to a specific backed up state.
- **USB 3.0 support** – Acronis True Image Home supports the new USB 3.0 standard. If your motherboard can work with USB 3.0 hard disk drives, you can use the high data transfer speed offered by the new standard to make your backups run much faster.
- **Enhanced Acronis Nonstop Backup** – Now you can use Acronis Nonstop Backup for protecting both partitions and individual files and folders. Protection of individual folders by Acronis Nonstop Backup usually requires much less storage space. In addition, the current version of Acronis True Image Home allows you to use the Acronis Secure Zone as Nonstop Backup storage. This may be desirable for notebook users with a single hard disk drive.
- **Automatic update notification** – By default, Acronis True Image Home will automatically inquire about the availability of a program update at every program start. When an update is available, Acronis True Image Home will offer to download and install it. You can also check for availability of updates manually through the Help menu.
- **New Backup Explorer** – Now you can use the Acronis Backup Explorer's time line for exploring not only Acronis Nonstop Backup and Acronis Online Backup contents, but contents of all other backups as well. Clicking My backups in the main window will show all your backups on the time line. In addition, you can start recovery of disks and partitions right from the time line.
- **Enhanced scheduler** – The completely redesigned scheduler makes scheduling much easier. In addition, it now allows you to wake up the sleeping/hibernating computer to perform a backup. The "At system shutdown" and "At user logoff" options are now available to users of Windows Vista and Windows 7.
- **Drag & Drop functionality** – You can recover backed up files by dragging them from Acronis Time Explorer to your Desktop or a folder of your choice. In addition, you can create shortcuts for backups by dragging their boxes from the My backups area on the main screen to your Desktop. This will allow you to run a backup by simply double-clicking on its shortcut. You can also copy to the Desktop shortcuts for frequently used Acronis tools by dragging them from the Start menu.
- **Integration with Windows 7 Control Panel** – Acronis True Image Home replaces Windows Backup in the Backup and Restore item. The Backup and Restore window will show the Nonstop Backup and your oldest disk or partition backup. You will be able to recover the backed up data, refresh the backups, and pause/start Nonstop Backup directly from the Control Panel.

Minimum system requirements

The hardware requirements of Acronis True Image Home 2011 correspond to the minimum requirements for the operating system installed on the computer to be used for running Acronis True Image Home.

Note! Using Acronis Nonstop Backup requires at least 1 GB RAM.

In addition Acronis True Image Home requires the following hardware:

- CD-RW/DVD-RW drive for bootable media creation
- Mouse or other pointing device (recommended).

Installing Acronis True Image Home 2011

Installation is straight-forward. To install Acronis True Image Home:

- Run the Acronis True Image Home setup file.
- Before installation, you can check for a newer Acronis True Image Home build on the Acronis web site. If available, the newer version will be offered for installation.
- In the Install Menu, select the program to install: Acronis True Image Home.
- Follow the installation wizard instructions on the screen



Typical, Custom and Complete installation is available. Having pressed **Custom**, you can choose not to install **Rescue Media Builder**.

With **Rescue Media Builder** you can create bootable rescue disks. Installing the **Bootable Rescue Media Builder** will allow you to create bootable media or its ISO image at any time from the main program window or by running **Bootable Rescue Media Builder** on its own.

Backing up a system partition

The easiest way of backing up your system and continuously protecting your personal data is using the One-Click Backup either during the first start of Acronis True Image Home after installation, or later. This tool is intended for backing up the system partition, as well as for protecting your personal data by Acronis Nonstop Backup. Here is the procedure for using the One-Click Backup tool (cannot be used during the first start).

Hint! If you want to use your external drive for storing the backup data, attach and power it on before starting Acronis True Image Home.

1. Click Tools & Utilities on the toolbar and then click One-Click Backup on the Tools & Utilities screen to open the Acronis One-Click Backup window.
2. By default Acronis One-Click Backup offers to back up your system partition and to continuously protect your personal data by Nonstop Backup.

Note! If you want to try Acronis Nonstop Backup, do not clear the Documents, Desktop, Favorites, etc check box.

3. Acronis True Image Home will offer the destination for storing your backup data (if you use an external hard drive, the destination will be the attached external drive). If you would prefer another backup destination, click the down arrow at the right end of the Destination: field and select the storage location most suitable for you



4. After you finish settings, click Back up now to start the backup.

The One-Click Backup tool schedules subsequent full backups of your system partition once a month (by default, at 12:00 PM on the fourth Friday of the month).

Note! After the selected items are backed up, you can change the default settings for **My computer** backup and **My personal data** (Nonstop Backup). To do this, select the appropriate backup on the main screen and then click **Edit backup settings** in the **Operations** menu.

Hint! It is recommended to validate the created system partition backup by performing a validation. To validate the backup, click **Operations ---> Validate** backup in the **My System backup** box on the main screen.

Creating Linux-based rescue media

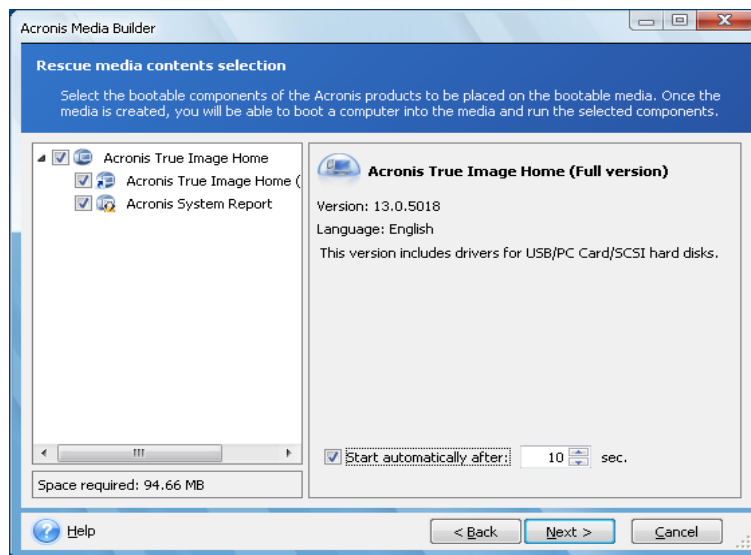
Even if you start recovery of the active partition in Windows, the program will reboot into the Linux environment after the recovery process starts because Windows cannot be left running while the recovery of its own partition is being carried out. So you will recover your system partition under the recovery environment in all cases. Due to this reason, we recommend recovering the system partition when booting from the rescue media.

Let's create a rescue media. For this, you will need a blank CD-R/RW.

Hint! Acronis True Image Home also provides the ability to create an ISO image of a bootable disc on the hard disk. Having created an ISO disc image, you will be able to burn it onto any kind of recordable DVD, using DVD recording software. Creating a bootable DVD directly from Bootable Media Builder is impossible.

1. Select **Programs -> Acronis -> Acronis True Image Home -> Bootable Rescue Media Builder** from the Start menu.

2. Select which components of the Acronis program you want to place on the bootable media.



Acronis True Image Home offers the following components:

Acronis True Image Home full version

Includes support of USB, PC Card (formerly PCMCIA) and SCSI interfaces along with the storage devices connected via them.

Acronis System Report

This component allows you to generate a system report after booting from the rescue media when both Windows and Acronis True Image Home full version cannot start.

The **Start automatically after** parameter specifies the timeout interval for the boot menu. If this parameter is not specified, the program will display the boot menu and wait for you to select whether to boot the OS or the Acronis component. If you set, for example, 10 sec for Acronis rescue media, the standalone Acronis True Image Home will launch 10 seconds after the menu is displayed.

3. Select the type of bootable media (CD-R/RW) to create. You can also choose to create a bootable disk ISO image.
4. Insert a blank disc so the program can determine its capacity. If you choose to create a bootable disc ISO image, specify the ISO file name and the folder in which to place it. If you use the file name generator (a button to the right of the line), the file will be named AcronisMedia.iso.
5. When you are finished, click Proceed.

Note! If you have created an iso file, burn the file to a CD/DVD using a program that can handle iso files such as Nero.

Testing bootable rescue media

To maximize the chances of your computer's recovery if need arises, you must test that your computer can boot from the rescue media. In addition, you must make sure that the recovery media contains all drivers required for operation of your mass storage devices and network adapter.

1. You must configure your computer so as to enable booting from the rescue media and make your rescue media device (CD-ROM/DVD-ROM drive) the first boot device.
2. In case you have a rescue CD/DVD, press a key to start booting from the CD, as soon as you see the prompt "Press any key to boot from CD". If you fail to press a key within five seconds, you will need to restart the computer.
3. After the computer boots into the recovery environment, check that it detects all the hard drives you have in your system, including external ones, if you use them for storing backups.

Hint! You must attach the external drive(s) before booting from the rescue media, otherwise the recovery environment might not detect the drive(s).

4. If you store your backups on the network, you should also check that you can access the network in the recovery environment. When booted from the rescue media, Acronis True Image Home might not detect the network. If no computers are visible on the network, but the Computers near me icon is found under My Computer, ensure that a DHCP server is running on your network. If you don't use a DHCP server, specify network settings manually in the window available at **Tools & Utilities --> Options --> Network adapters**.

If the Computers near me icon is not available under My Computer, there may be problems either with your network card or with the card driver shipped with Acronis True Image.

Recovering your system partition

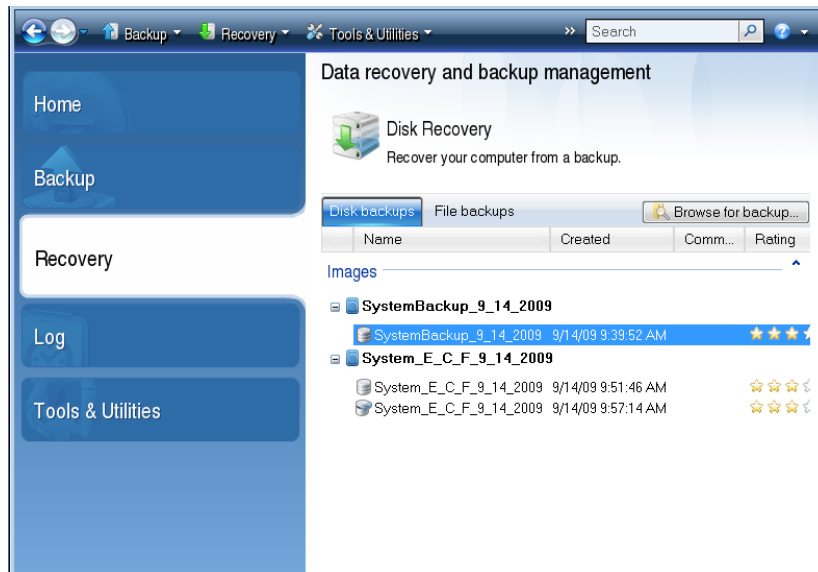
Let's consider the simplest case - recovery of the system partition to the original location on the original hard disk drive.

As recovery of the system partition is one of the most important operations, it requires careful preparation even when you just want to recover a previous "known good" Windows state. While preparing for recovery you need to:

- A. Create and test Acronis bootable rescue media (see above).
- B. Boot from the rescue media and validate the backup you want to use for recovery. Such validation is very important because Acronis True Image Home deletes the target partition (the system partition in this case) when starting partition recovery, so you may find yourself without your system and applications if the backup file is corrupted. In addition, there were reports from users that a backup archive that has been successfully validated in Windows is declared corrupted when being validated in the recovery environment. This may be due to the fact that Acronis True Image Home uses different device drivers in Windows and the recovery environment.
- C. Assign unique names to the disks and partitions used on your computer. This is strongly recommended because the drive lettering in Windows and in the recovery environment may differ. If you have not done this before making the backup, you can assign names now. The names will help you in finding the drive containing your backups as well as the target system partition.

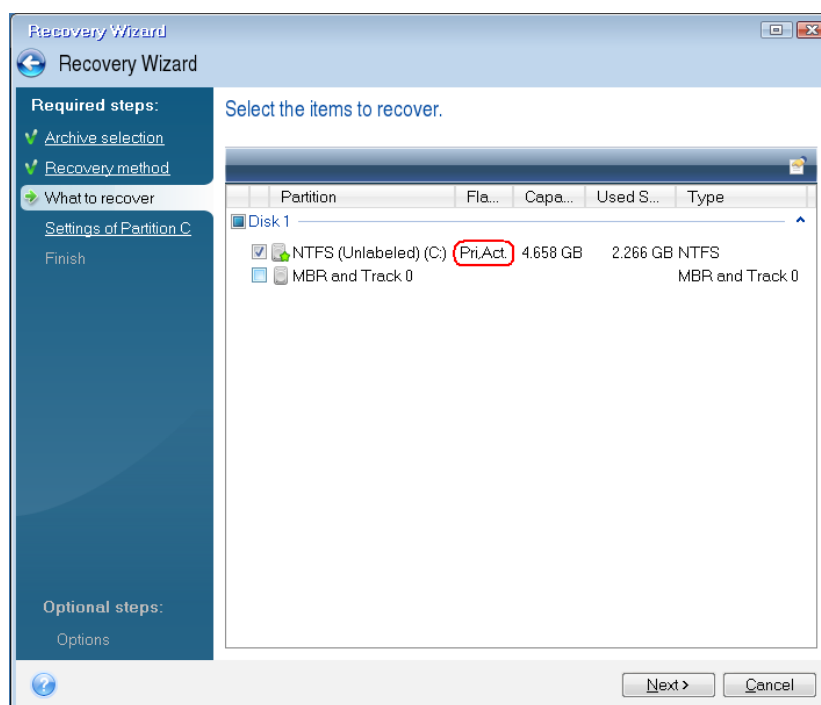
Hint! Attach the external drive if it contains the backup to be used for recovery and make sure that the drive is powered on. This must be done before booting from Acronis rescue media.

1. Arrange the boot order in BIOS so as to make your rescue media device (CD/DVD-drive) the first boot device.
2. Boot from the rescue media and select Acronis True Image Home (Full version).
3. Click Recovery on the sidebar and then select on the Disk backups tab the image backup of your system partition that you want to use for recovery. Right-click on the backup and choose Recover in the shortcut menu.

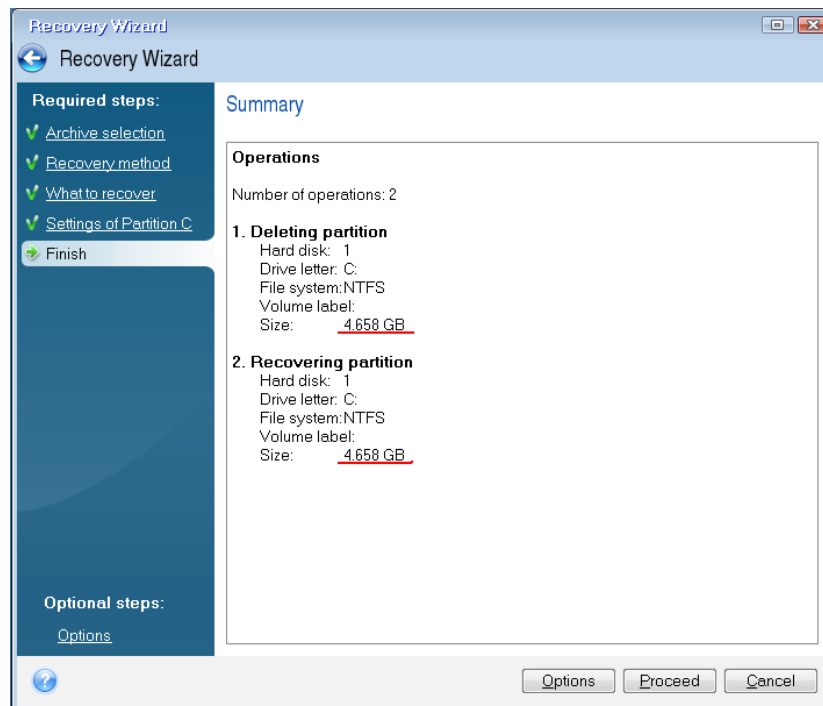


If the disks have different disk letters in Windows and the recovery environment, the program will display the following error message: “Acronis True Image Home cannot detect volume N of “Name” archive”, where Name is the name of the required image backup and volume number (N) may be different depending on the number of backup versions in the backup archive. Click **Browse** and show the path to the backup.

4. Select **Recover whole disks and partitions** at the Recovery method step.
5. Select the system partition (usually C) on the **What to recover** screen. If the system partition has a different letter, select the partition using the Flags column. It must have the **Pri, Act** flags. As you are recovering the system partition to the original hard drive, there is no need to select the “MBR and Track 0” box.



6. At the “Settings of partition C” (or the letter of the system partition, if it is different) step check the default settings and click **Next** if they are correct. Otherwise change the settings so as to suit you before clicking **Next**.
7. Carefully read the summary of operations at the **Finish** step. If you have not resized the partition, the sizes in the **Deleting partition** and **Recovering partition** items must match. To start the recovery process, click **Proceed**.



8. When the operation finishes, exit the standalone version of Acronis True Image Home, remove the rescue media and boot from the recovered system partition. After making sure that you recovered Windows to the state you need, restore the original boot order.

Using Acronis Nonstop Backup

We presume that you have not cleared the Documents, Desktop, Favorites, etc check box on the Acronis One-Click Backup screen, so you are already using Nonstop Backup for protecting your personal data.

Acronis Nonstop Backup is a feature that provides convenient protection of your files and partitions, and allows you to recover both entire partitions and individual files and even their versions.

Note! To be able to recover entire partition(s), you need to use Nonstop Backup in the partition protection mode. Once you have started Acronis Nonstop Backup, it performs an initial full backup of the data or partition(s) selected for protection. Having finished this task, Acronis Nonstop Backup will then save changes in your files (including open ones) as often as every five minutes, so you will be able to recover your files or system to an exact state in time.

Note! If you do not make changes in the files protected by Nonstop Backup, the data will be backed up less frequently than every 5 minutes. Backups will be performed only when data changes occur.

States of the protected data will be backed up at 5-minute intervals for the last 24 hours. The older backups will be consolidated in such a way that Acronis True Image Home will keep daily backups for the last 30 days and weekly backups until all Acronis Nonstop Backup storage space is used.

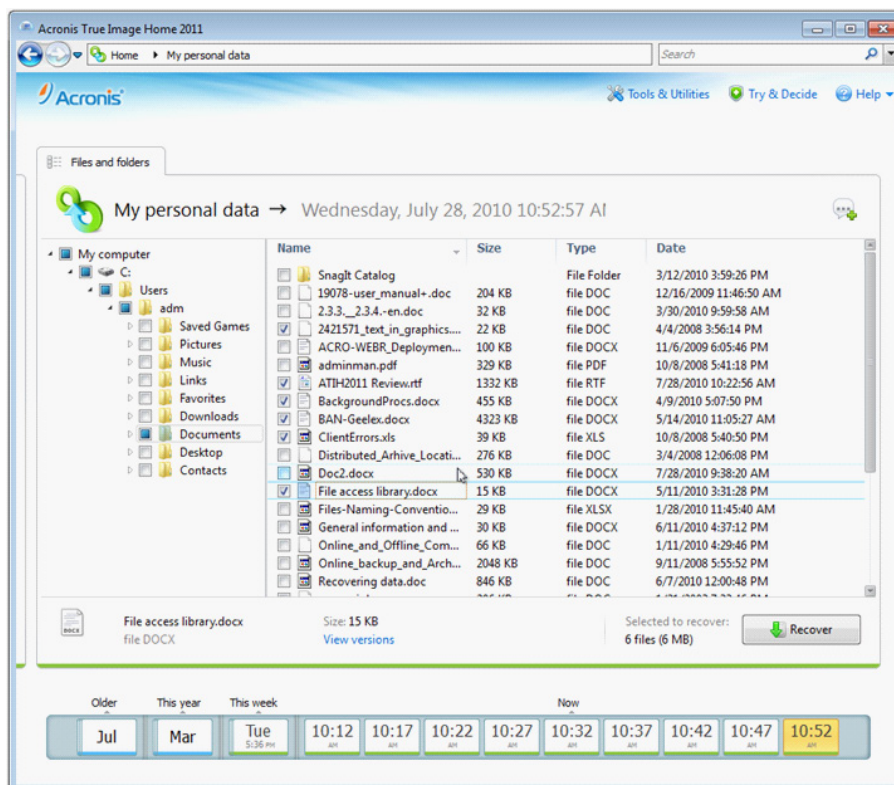
To evaluate the operation of Acronis Nonstop Backup and its ability of recovering files and their versions, create a Word file and work with the file as usual and save it to the My Documents folder. For instance, you may create a draft of Acronis True Image Home 2011 review and start describing your first impressions. Do not forget to save the draft file from time to time, as if you do not use the “Save” operation e.g. for an hour, changes in the Word document will not be backed up every five minutes, because the program checks file changes on the disk and not in the memory.

Recovering files from Acronis Nonstop Backup with Acronis Time Explorer

After working with the file for some time and saving changes, try to recover the file and/or its versions using Acronis Time Explorer.

But first you can try to recover several files at once.

1. Click **Explore and recover** in the Nonstop Backup box on the Home screen to open Acronis Time Explorer.

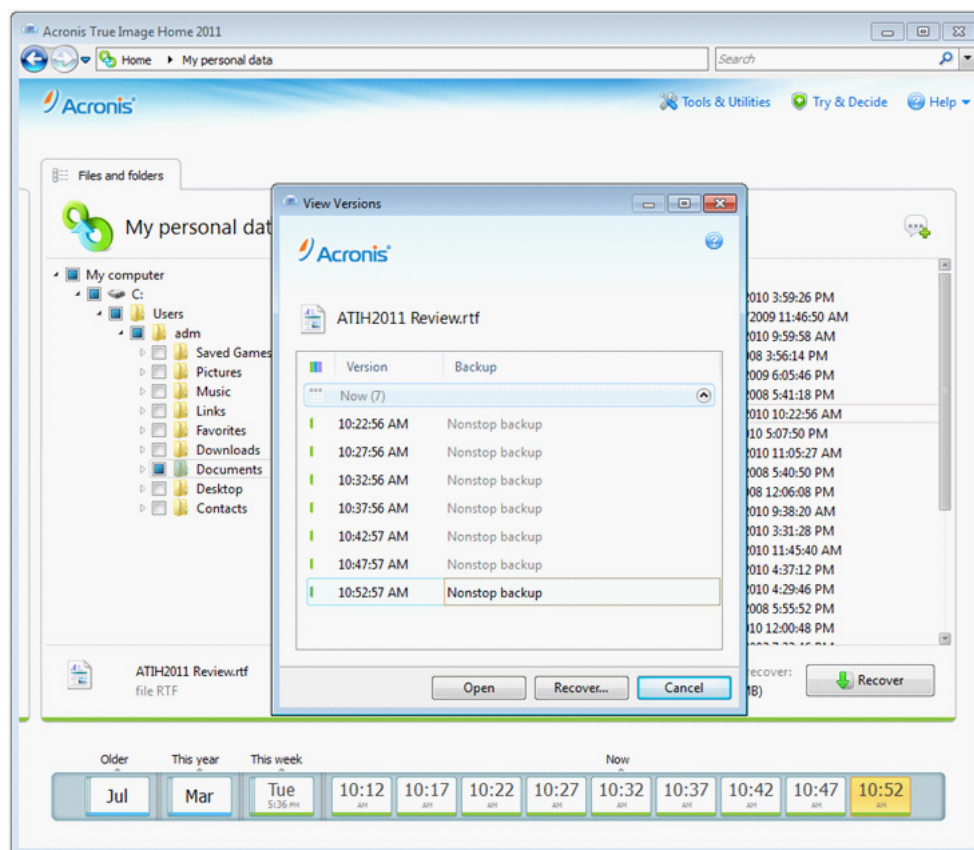


2. Select the folder that contains the files you want to recover on the directory tree in the left pane. The right pane lists the files in that folder. Select the files to recover by selecting their check boxes, and then click the **Recover** button.
3. Acronis True Image Home opens the **File Recovery** window. By default the original location from which the files were backed up will be selected. If necessary, you can select a new location then browse to a folder for the files to be recovered or create a new folder by clicking the **Make New Folder** button. After selecting the folder click **Recover** to proceed with recovery.

If you recover the files to the original folder and Acronis True Image Home finds a file there with the same name, by default it will not overwrite the more recent original file. If the original file is older, it will be overwritten.

Note! It is impossible to overwrite the files which are being used or locked by the operating system at the moment of recovery.

Now let's recover a specific version of a file. Select the file in Time Explorer, right-click and choose **View versions** in the shortcut menu. This opens the **View Versions** window. Select the required version by its backup time and click **Recover...**



To choose the right version, you can open the version in the associated application and view the file contents. Select the file in the right pane and the backup times for all its versions kept on the Nonstop Backup Storage will be shown in the bottom line of Time Explorer. Choose a version by its backup time then click the **Open** button. Acronis True Image Home will recover the file version to a temporary folder and then will open the file using the associated application.

Creating an Online backup account

Performing backups to Acronis Online Storage requires subscription to the **Online Backup** service. Click Online Backup in the Home window of Acronis True Image Home and then click the **Subscribe to Online Backup service** link on the Online Backup Login window. This will open your web browser and take you to the main Acronis Web site to continue registration.

If you already have an Acronis account, type the e-mail address and password for that account under “Log in to Your Account” to the right. You will be taken to your account page where you will be able to subscribe to the Online Backup Service.

If you do not have an Acronis account, fill in the appropriate fields, and the account will be created for you. Provide your first and last names and e-mail address. You will be offered a country selected on the basis of the IP address of your computer, though you can select another country, if you wish. Then provide a password for your new account and confirm the password by retyping it once more in the appropriate field.

Select the subscription plan (by default you will get for free 2 GB on the Online Storage for 30 days). If you require more, please contact your local Acronis PR representative.

When you perform all actions necessary for account registration, please wait for an e-mail message describing the details of your subscription plan and expiration date.

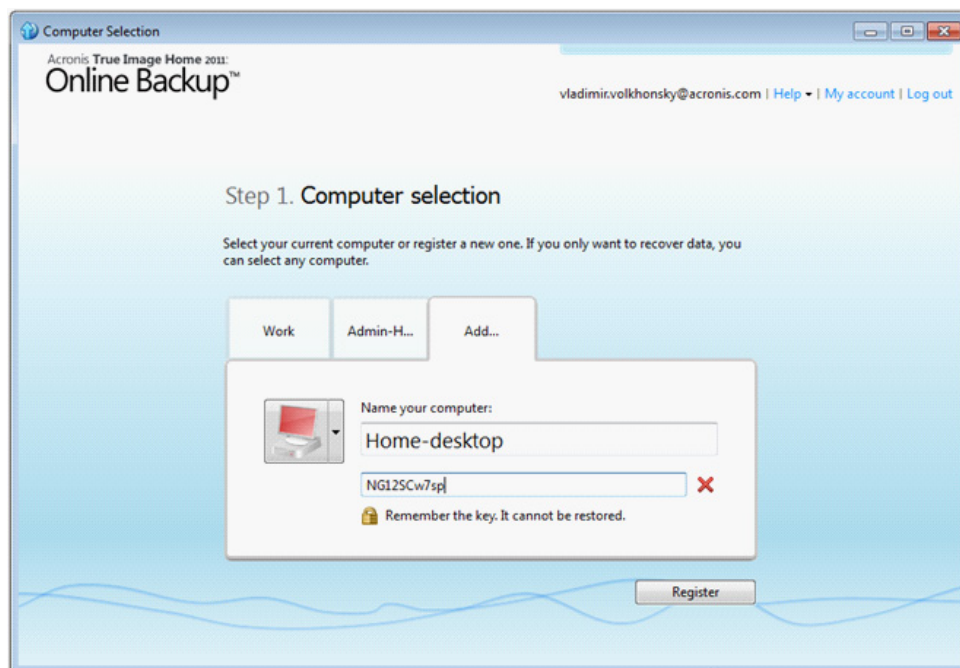
Backing up to Acronis Online Storage

To perform an online backup, log on to your Online Backup service account by clicking Online Backup in the Home window of Acronis True Image Home and entering your e-mail address used for opening the account and the password. To not enter the password during subsequent logons, you may want to select the **Remember the password** check box. Make these settings and click **Log In**.

***Hint!** You can also start Online Backup without starting Acronis True Image Home. Simply double-click on the Acronis Online Backup shortcut on your Desktop.*

After the program connects to Acronis Online Backup Server, select a computer for connection to the Online Storage. When logged on to the online backup service for the first time, register a computer for work with Online Backup. To do this, click **Add...**, then type in the computer name.

If you want to use encryption for the data to be stored on the Online Storage, enter an encryption key to be used for encrypting your data. Entering the encryption key automatically enables encryption of all data stored on the Online Storage. The encryption key is similar to a password, but it is used for unlocking access to your encrypted data. Acronis Online Backup uses the industry-standard AES-256 encryption algorithm. The data will be encrypted before transferring through the Internet to the Online Storage and will be stored in encrypted form.



Having made all the necessary settings, click **Register**.

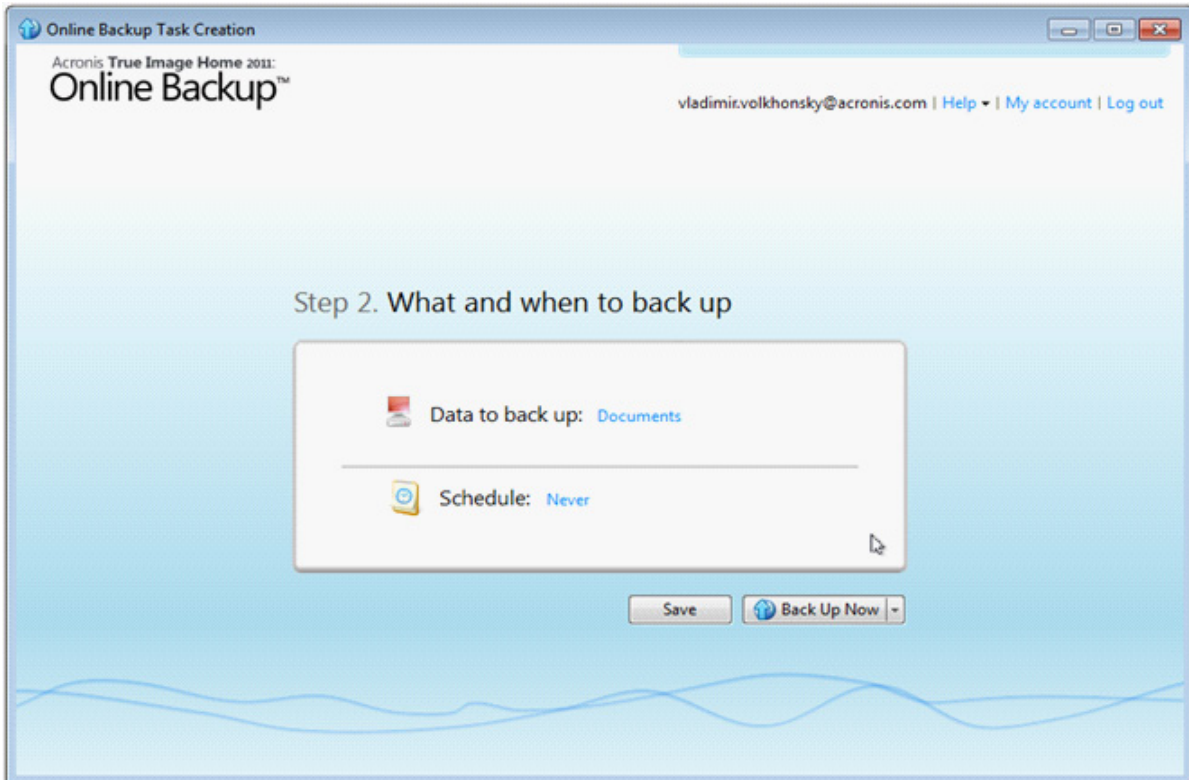
Until you log off, subsequent connections to the Online Storage from this computer will occur automatically - you just need to click **Online Backup**.

After registering a new computer on Acronis Online Storage is complete, you are offered to specify what to back up from this computer and when to do that. Clicking the appropriate link opens the **What to back up** window, where you can specify the files and folders you want to back up on the Online Storage. Having made the selection, click the **Save and Close** button to return to the previous window for setting a schedule for online backup or for starting the backup manually.

To set an online backup schedule, click the link with the default backup schedule settings (Never) and then turn on the scheduler by clicking the **Turn On** button.

Clicking the **Save** button will save the online backup task you have set and take you to the main program window. The backup will run according to the set schedule.

To start backup immediately, click **Back Up Now**. You can also delay online backup start for up to 6 hours by clicking the down arrow to the right of this button and selecting a delay interval from the dropdown list.



If you have performed backup on this computer before, you will see how much Online storage space is occupied by the backed up files and folders. The screen also shows the space occupied by the data backed up from other computers (if any) and the remaining free space on the Online storage in accordance with your quota.

When you need to change the files and folders selected for online backup, click **Options --> What to Back Up**. This will open the **Items to Back Up Selection** window.

Including items

Specify items to include by selecting the corresponding check boxes:

You can include both file categories and individual files and folders.

When selecting the file category(ies) to back up, you can include the following default categories: Documents, Finance, Images, Video, and Music. Each category represents all files of associated types found on the computer's hard drives. Furthermore, you can add any number of custom categories containing files and folders. The new categories will be saved and displayed along with the above. You can change the contents of any custom or default file category (edit the category) or delete it. The default file categories cannot be deleted.

- To include an entire folder, select the folder's check box in the folders pane.
- To include particular items in a folder, click the folder's name in the folders pane, and then select the item's check boxes in the folder contents pane

Excluding items

File filtering can be applied to manually added folders by specifying which files to exclude from backup.

Excluding unnecessary files from online backup may be useful as the data transfer rate and available storage space are limited.

To exclude files, click the corresponding link at the bottom of the Items to Back Up Selection window.

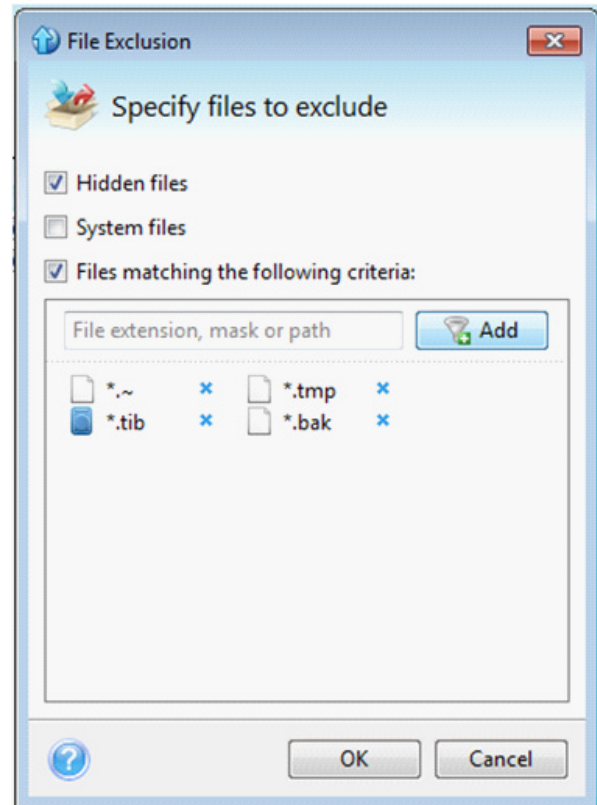
You can exclude hidden and system files from online backup by selecting the corresponding check boxes.

In addition, you can exclude files meeting the criteria you specify. To do this, select the **Files matching the following criteria** check box, enter the exclusion criterion, and then click **Add**.

By default, the program excludes from backups files with the following extensions: **.~, .tmp, and .tib**.

Having finished selecting files and folders for backing up to the Online storage and for excluding from backup click **Back Up Now** to start online backup immediately.

Otherwise click the **Save and Close** button to save the selection for backing up later or on schedule.



Recovering data from Online Storage

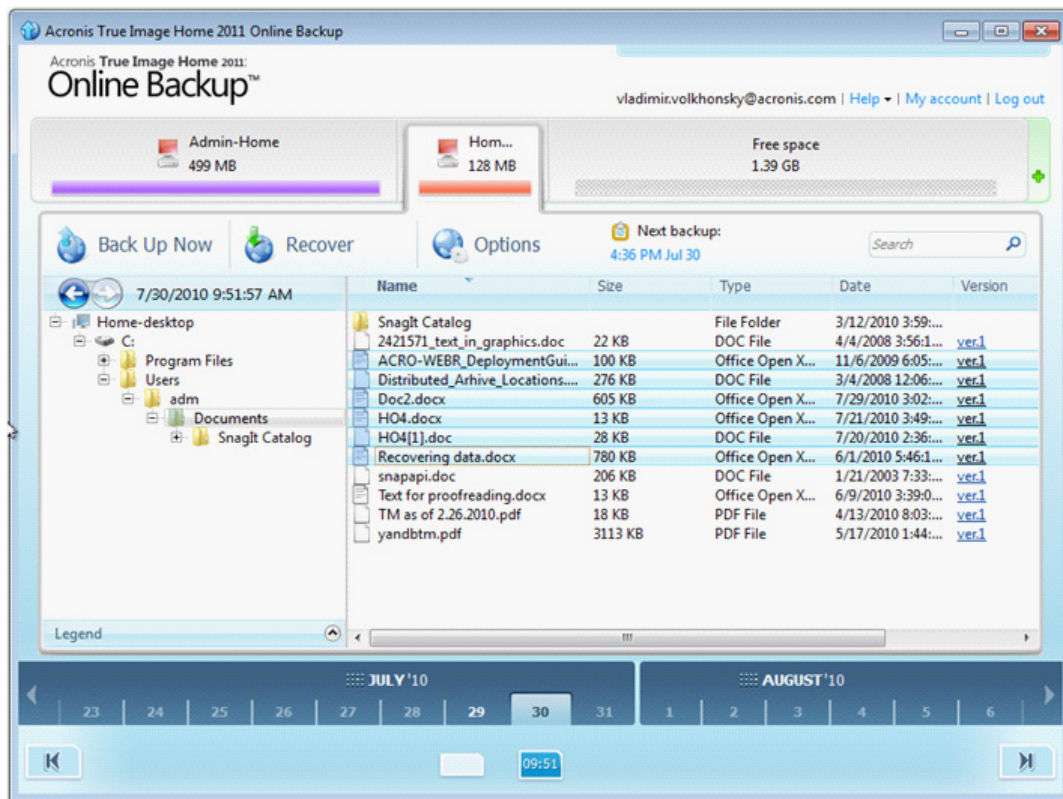
Log on to your online backup account by clicking **Online Backup** in the Home window of Acronis True Image Home and entering your e-mail address used for opening the account and the password.

Note! If you've selected the **Remember the password** check box, the program will connect to Acronis Online Backup Server without the login procedure.

After the program connects to Acronis Online Backup Server the Online storage screen opens with the current computer selected. If you have data backed up from more than one computer, you can select on this screen the computer from which to recover required files. Naturally, you can only browse and recover the data backed up from other computers.

Note! If you encrypted data on another computer, you will be asked to enter the encryption key for the computer to get access to its data on the Online Storage.

1. By default the state of the Online Storage after the latest backup is displayed, so the latest versions of the files and folders will be recovered. If you need to recover earlier versions, select the date and time on which you want to recover the state of the files and folders.
2. Select the folder containing the files you want to recover in the left pane. The right pane lists the files in that folder. Select the files to recover. When selecting multiple files you can use the Ctrl and Shift keys like in Windows Explorer. Having finished selection, click the Recover icon on the toolbar.



3. Acronis True Image Home opens the **Browse for folder** dialog. By default the original location from which the files were backed up will be selected. If necessary, you can select another folder or create a new folder for the files to be recovered to by clicking the **Make New Folder** button. After selecting the folder click **OK**.

If you recover the files to the original folder and Acronis True Image Home finds a file with the same name there, it will open a dialog window where you can choose what to do with the file: **Recover and replace** the file on the disk, **Do not recover** (to keep the file on the disk), and **Recover, but keep both files** (the recovered file will be renamed). If you want to use the choice for all files with identical names, select the **Apply to all files** check box

What is Acronis True Image Home 2011 Plus Pack?

Acronis True Image Home 2011 Plus Pack is an add-on to Acronis True Image Home 2011. It is purchased separately, has a separate license, and is installed from its own setup file. Acronis True Image Home 2011 must be installed on your computer before the Acronis True Image Home 2011 Plus Pack can be installed. Acronis True Image Home 2011 Plus Pack adds the Acronis Universal Restore option for use during recovery. Acronis True Image Home 2011 Plus Pack also installs Acronis WinPE ISO builder and provides support for dynamic/GPT disks.

Here are the features of Acronis True Image Home 2011 Plus Pack in more details:

- Support of dynamic/GPT disks – operations with dynamic/GPT disks expand the range of hard drive configurations supported by Acronis True Image Home 2011. Dynamic disks offer greater flexibility for volume management and may provide benefits in computers with more than one hard drive. GUID Partition Table (GPT) is a new hard disk partitioning scheme providing advantages over the old MBR partitioning scheme. It was introduced as a part of the Extensible Firmware Interface (EFI) initiative.
- Users of Acronis True Image Home 2011 Plus Pack have the Universal Restore feature available to them. Acronis Universal Restore lets you restore an image of a Windows operating system to a different hardware environment. You can restore information on independent computers regardless of the hardware used on the original independent computer. This may come in handy, for example, after replacing a damaged motherboard or when deciding to migrate your system from a desktop to a laptop.

- Acronis WinPE ISO builder – This program adds Acronis True Image Home 2011 plug-in to WinPE (Windows Preinstallation Environment) distributions based on any of the following kernels: WinPE 2.x and 3.0. To be able to create or modify PE 2.x and 3.0 images, you must have Windows Automated Installation Kit (AIK) installed. Running Acronis True Image Home 2011 in the preinstallation environment may provide better compatibility with your computer’s hardware because the preinstallation environment uses Windows drivers

Installing Plus Pack for Acronis True Image Home 2011

Note! *Acronis True Image Home 2011 Plus Pack will not install on a PC that does not have Acronis True Image Home 2011 installed.*

To install Acronis True Image Home 2011 Plus Pack:

- Run the Acronis True Image Home 2011 Plus Pack setup file.
- In the Install Menu, select **Install Plus Pack for Acronis True Image Home 2011**.
- Follow the installation wizard instructions on the screen.

Creating WinPE-based rescue media

You need to re-create bootable media in order to make the newly installed Universal Restore add-on operational in the bootable recovery environment. You can create both a new Linux-based rescue media and WinPE-based rescue media. As you have already tested creation of Linux-based rescue CD, here we describe creation of WinPE-based rescue CD.

Acronis Plug-in for WinPE can be added to WinPE distributions based on any of the following kernels:

- Windows Vista (PE 2.0) (also suitable for Windows XP SP2 with KB926044 or later)
- Windows Vista SP1 (PE 2.1) (also suitable for Windows XP SP2 with KB926044 or later)
- Windows 7 (PE 3.0)

To be able to create or modify PE 2.x and 3.0 images, you must have Windows Automated Installation Kit (AIK) installed.

If you do not have Windows AIK installed on your PC, prepare as follows:

1. Download and install Windows Automated Installation Kit.
AIK for Windows Vista and Windows XP with Service Pack 2 or later (PE 2.0):
<http://www.microsoft.com/Downloads/details.aspx?familyid=C7D4BC6D-15F3-4284-9123-679830D629F2&displaylang=en>
AIK for Windows Vista SP1 (PE 2.1):
<http://www.microsoft.com/downloads/details.aspx?FamilyID=94bb6e34-d890-4932-81a5-5b50c657de08&DisplayLang=en>
AIK for Windows 7 (PE 3.0):
<http://www.microsoft.com/DOWNLOADS/details.aspx?familyid=696DD665-9F76-4177-A811-39C26D3B3B34&displaylang=en>
2. [Optional] Burn the Windows AIK to DVD or copy to a flash drive.
3. Install the Microsoft .NET Framework v.2.0 from this kit (NETFXx86 or NETFXx64, depending on your hardware).
Note! *Users of Windows 7 can omit this step because .NET Framework v.2.0 is installed during Windows 7 installation.*
4. Install Microsoft Core XML (MSXML) 6.0 Parser from this kit.
5. Install Windows AIK from this kit.

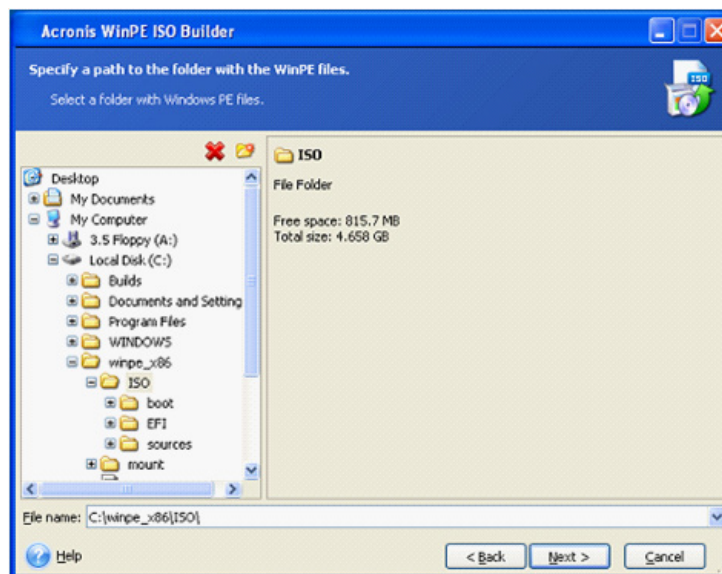
Creating a Win PE 2.x or PE 3.0 ISO with the Acronis Plug-in

Creating a new Win PE 2.x or PE 3.0 ISO with the Acronis Plug-in begins from creating a Windows PE build directory:

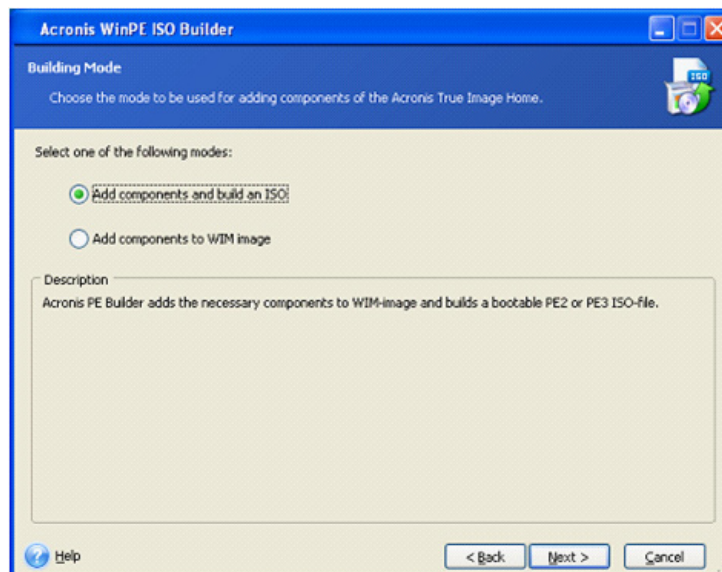
1. Select **Microsoft Windows AIK --> Windows PE Tools Command Prompt** from the Start menu.
(Users of Windows 7 should select **Microsoft Windows AIK --> Deployment Tools Command Prompt** from the **Start** menu).
2. Run the **copype.cmd** script to create a folder with Windows PE files. For example, from a command prompt, type: `copype x86 c:\winpe_x86`

When the operation finishes, create an ISO:

3. Select **Acronis --> Plus Pack for Acronis True Image Home 2011 --> Acronis WinPE ISO Builder** from the Start menu.
4. Specify the path to the folder WinPE\ISO, e.g. `c:\winpe_x86\ISO`

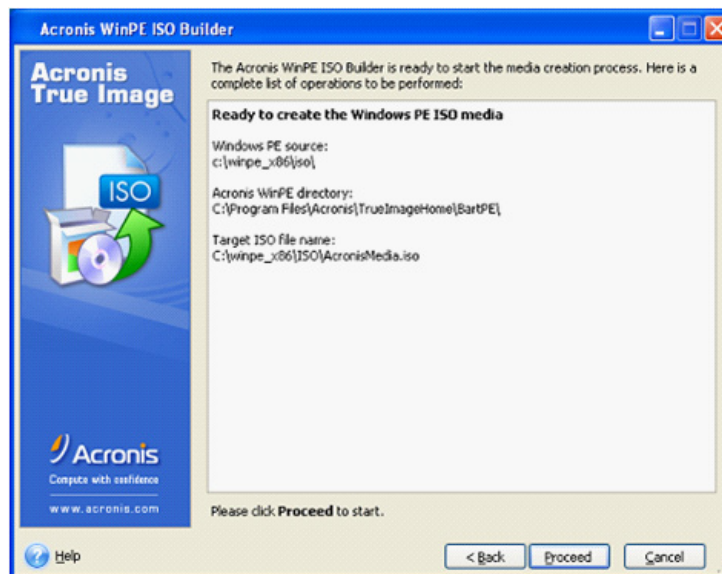


5. On the next screen choose the **Add components and build an ISO** option and click **Next**.



6. Specify the full path to the resulting image file including the filename or leave the default path and filename (AcronisMedia.iso).

7. Check your settings in the summary screen and click **Proceed**.
8. Burn the .ISO to a CD using a third-party tool (for example, Nero) and you will have a bootable Windows PE disc with Acronis True Image Home 2011



Testing Acronis Universal Restore

Warning! Before trying to use Acronis Universal Restore, we strongly recommend to back up the system disk of the PC to which you intend to recover a backup created on a different PC. This backup will be your safeguard if something goes wrong during recovery with Acronis Universal Restore. Such a backup is better to be done after booting from the WinPE CD. In addition, please validate the backup after its creation.

Using Acronis Universal Restore will help you create a bootable system clone on different hardware. Use this feature when recovering your system disk to a computer with a dissimilar processor, different motherboard or a different mass storage device than in the system you originally backed up. This may be useful, for example, after replacing a failed motherboard or when deciding to migrate the system from a desktop to a laptop.

Limitations when using Acronis Universal Restore

The system recovered by Acronis Universal Restore might not start if the partition structure in the image or the target disk partitioning does not coincide with that of the source disk. The loader restored from the image will point to the wrong partition and the system will not boot or will malfunction.

This may occur if you:

- Back up only selected partitions but not the entire source disk
- Recover only selected partitions and not the entire source disk. In some cases, especially if your system resides on a partition other than the original one, this can confuse the loader and prevent the recovered system from booting.

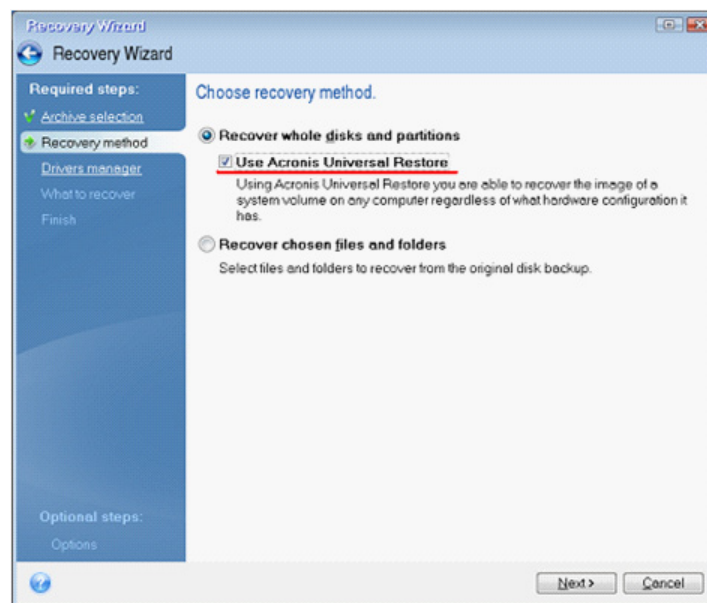
To avoid this problem, we recommend that you back up and recover the entire system disk.

Recovering to different hardware

*Hint! Before proceeding with testing, make sure you have drivers for the hard disk drive controller or chipset drivers for the motherboard. These drivers are critical for booting the operating system. You can download the drivers for your motherboard on the vendor's web-site. Please note that if you downloaded the drivers in *.exe, *.cab, *.zip format, you should extract them first. The driver files should have *.inf, *.sys or *.oem extensions.*

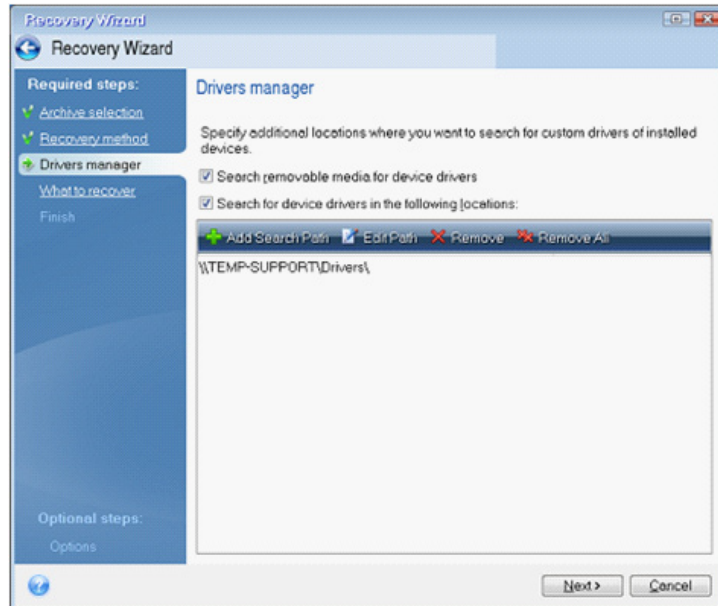
To test Acronis Universal Restore, proceed as follows:

1. Create a backup of the system disk you will recover on another PC.
Hint! Save the backup on an external hard drive and then detach the drive from the PC.
2. Attach the external hard drive to the PC you will use for recovery.
3. Make your WinPE rescue CD with Acronis add-on the first boot device in BIOS.
4. Boot from the WinPE CD.
Note! Once a machine boots into WinPE, Acronis True Image Home 2011 starts automatically. Be aware that startup may take a considerable amount of time.
5. Click the **My Disks** link below **Recover** on the Welcome screen to start the Recovery Wizard. Then, choose the image of the system disk for recovery. Because drive letters in the standalone Acronis True Image Home may differ from the way Windows identifies drives, you may need to specify the path to the image file. Click **Browse** and select the external disk that stores the image.
6. Choose Recover whole disks and partitions and select the Use Acronis Universal Restore check box.



7. If the target hardware has a specific mass storage controller (such as an SCSI, RAID, or Fibre Channel adapter) for the hard disk(s), specify where to find the driver(s) for the specific hardware at the **Drivers manager** step. If the driver(s) is stored on a diskette or CD, select the **Search removable media for device drivers** box. If some drivers are stored on a local hard disk or a network share, select the **Search for device drivers in the following locations** box (when it is not selected by default). Specify the path to the driver(s) after clicking Add **Search Path**.

Hint! Acronis Universal Restore patches the registry and installs the new drivers after the system is recovered. Therefore, make sure that the driver location will still be available. For example, do not specify the search path for the drivers on the same disk to which you are recovering the backup. We recommend that you place the drivers on a USB flash stick or on a network share.



When both boxes are selected at this step, Acronis Universal Restore will use three sources for drivers:

- the removable media;
- the drivers storage folder(s) specified at this step; and
- the Windows default driver storage folders (in the image being recovered).

The program will find the most suitable of all available drivers and install them into the recovered system.

8. Select the system disk at the **What to recover** step. Then, specify the destination of the disk being recovered (new system disk). At this point the program checks whether the destination disk is free. If not, you will be prompted by the Confirmation window stating that the destination disk contains partitions, perhaps with useful data. To confirm deletion of the partitions, click **OK**.
9. Carefully read the summary of operations at the **Finish** step. If you do not want to validate the backup, click **Proceed**. Otherwise click **Options** on the sidebar and select the **Validate backup archive before recovery** box before clicking **Proceed**.

***Note!** If the capacities of the source (backed up) disk and the destination disk are different, the new disk space will be proportionally distributed between the recovered partitions.*

After successfully recovering the system, exit Acronis True Image Home. Enter the BIOS, make the system hard disk the first boot device, and boot to the recovered Windows.

Summary

Acronis True Image Home 2011 is the next generation backup and recovery product that will be useful to both novices and advanced PC users. For more information or for support assistance, please contact your local PR representative who can be found here: <http://www.acronis.com/company/media-contacts.html>.

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