



# *Acronis<sup>®</sup> Backup & Recovery<sup>™</sup> 10 Server for Windows*

*Installation Guide*

# Table of Contents

<b>1.</b>	<b>Installation of Acronis Backup &amp; Recovery 10.....</b>	<b>3</b>
1.1.	Acronis Backup & Recovery 10 components .....	3
1.1.1.	Agent for Windows .....	3
1.1.2.	Bootable components and media builder.....	4
1.1.3.	WinPE ISO Builder .....	4
1.1.4.	Management Console.....	4
1.2.	Supported operating systems .....	5
1.3.	License policy .....	5
1.4.	Trial product version .....	5
1.5.	Local installation (Windows).....	6
1.5.1.	Preparation.....	6
1.5.2.	Installation procedure.....	6
1.5.3.	Specifying credentials for Acronis services.....	6
1.5.4.	Update .....	7
1.6.	Upgrading to stand-alone editions of Acronis Backup & Recovery 10 .....	7
<b>2.</b>	<b>Index.....</b>	<b>9</b>

# 1. Installation of Acronis Backup & Recovery 10

Acronis Backup & Recovery 10 installation documentation helps answer questions that might arise before and during the product installation.

## 1.1. Acronis Backup & Recovery 10 components

This section contains a list of Acronis Backup & Recovery 10 components with a brief description of their functionality.

### **Components for a managed machine (agents)**

These are applications that perform data backup, recovery and other operations on the machines managed with Acronis Backup & Recovery 10. Agents require a license to perform operations on each managed machine. Agents have multiple features, or add-ons, that enable additional functionality and so might require additional licenses.

### **Console and tools**

The console provides Graphical User Interface and remote connection to the agents and other Acronis Backup & Recovery 10 components. With bootable media builders, you can create bootable media in order to use the agents and other rescue utilities in a rescue environment. Availability of the agent add-ons in a rescue environment depends on whether an add-on is installed on the machine where the media builder is working.

#### 1.1.1. Agent for Windows

This agent enables disk-level and file-level data protection under Windows.

### **Disk backup**

Disk-level data protection is based on backing up either a disk or a volume file system as a whole, along with all the information necessary for the operating system to boot; or all the disk sectors using the sector-by-sector approach (raw mode). A backup that contains a copy of a disk or a volume in a packaged form is called a disk (volume) backup or a disk (volume) image. It is possible to recover disks or volumes as a whole from such backup, as well as individual folders or files.

### **File backup**

File-level data protection is based on backing up files and folders residing on the machine where the agent is installed or on a network share. Files can be recovered to their original location or to another place. It is possible to recover all files and folders that were backed up or select which of them to recover.

### **Other operations**

#### **Conversion to a virtual machine**

Rather than converting a disk backup to a virtual disk file, which requires additional operations to bring the virtual disk into use, Agent for Windows performs the conversion by recovering a disk

backup to a new virtual machine of any of the following types: VMware Workstation, Microsoft Virtual PC, Parallels Workstation or Citrix XenServer virtual appliance. Files of the fully configured and operational machine will be placed in the folder you select. You can start the machine using the respective virtualization software or prepare the machine files for further usage.

## Disk management

Agent for Windows includes Acronis Disk Director Lite - a handy disk management utility. Disk management operations, such as cloning disks; converting disks; creating, formatting and deleting volumes; changing a disk partitioning style between MBR and GPT or changing a disk label, can be performed either in the operating system or using bootable media.

### 1.1.1.1. Universal Restore

The Universal Restore add-on enables you to use the restore to dissimilar hardware functionality on the machine where the agent is installed, and create bootable media with this functionality. Universal Restore handles differences in devices that are critical for Windows start-up, such as storage controllers, motherboard or chipset.

### 1.1.2. Bootable components and media builder

Bootable components of the agent enable operations with reboot, such as recovery of the volume containing the currently active operating system. Once the operations are completed, the machine boots into the operating system again. The bootable components are based on the Linux kernel. You can choose not to install the bootable components and perform operations that require reboot using bootable media.

Acronis Bootable Media Builder is a dedicated tool for creating bootable media containing the bootable components. The media builder, delivered with Agent for Windows, creates bootable media that represents volumes and network in the Windows-like style (C:, D:, \\server\share).

The Universal Restore add-on enables you to use the restore to dissimilar hardware functionality on the machine where the agent is installed, and create bootable media with this functionality. Universal Restore handles differences in devices that are critical for Windows start-up, such as storage controllers, motherboard or chipset.

### 1.1.3. WinPE ISO Builder

Acronis WinPE ISO Builder is a dedicated tool for creating bootable media based on Windows preinstallation environment. This tool can be installed only on machines running Windows.

### 1.1.4. Management Console

Acronis Backup & Recovery 10 Management Console is an administrative tool for remote or local access to Acronis Backup & Recovery 10 agents, and in the product editions that include the centralized management capability, to the Acronis Backup & Recovery 10 Management Server.

The console has two distributions for installation on Windows and installation on Linux. While both distributions enable connection to any Acronis Backup & Recovery 10 agent and Acronis Backup & Recovery 10 Management Server, we recommend that you use the console for Windows if you have a choice between the two. The console that installs on Linux has limited functionality:

- remote installation of Acronis Backup & Recovery 10 components is not available
- the Active Directory-related features, such as browsing the AD, are not available.

## 1.2. Supported operating systems

### Acronis Backup & Recovery 10 Management Console

- Windows Professional 2000 SP4/XP Professional SP2
- Windows Server 2000/Advanced Server 2000/Server 2003/ SBS 2003/ SBS 2008/ Server 2008
- Windows XP Professional x64 Edition/Home Edition, Windows Server 2003/2008/ x64 Editions
- Windows Vista all Editions

### Acronis Backup & Recovery 10 Agent for Windows

- Windows Professional 2000 SP4/ Professional XP SP2
- Windows Server 2000 /Advanced Server 2000 /Server 2003 /Server 2008/SBS 2003/ SBS 2008
- Windows XP Professional x64 Edition, Windows Server 2003/2008 x64 Editions
- Windows Vista all Editions except for Vista Home Basic and Vista Home Premium

*Remote connection to the agent is not possible.*

## 1.3. License policy

Acronis Backup & Recovery 10 licensing is based on the number of machines managed and protected by the product. Acronis Backup & Recovery 10 agents require a license to perform operations on each managed machine.

### Acronis Backup & Recovery 10 Server for Windows (ABR10 SW)

### Acronis Backup & Recovery 10 Workstation (ABR10 W)

The license key for the appropriate Acronis Backup & Recovery 10 edition is required to install an agent delivered with any of these editions. The license key has to be entered during the agent installation.

## 1.4. Trial product version

Installation of Acronis Backup & Recovery 10 trial version does not require a license server. The trial key required at installation can be obtained on the Acronis Web site.

The Acronis Backup & Recovery 10 trial version has the following limitation:

- Universal Restore functionality is disabled.

Additional limitations for bootable media:

- The disk management functionality is available, but there is no option to commit the changes
- Besides disk management, only the recovery functionality is available.

To upgrade from the trial version to the standard product you do not need to re-download the software. When the trial period is over, the product GUI displays a notification offering to specify a standard license key.

To specify the standard license key for a stand-alone product edition, run the installation package and follow the wizard's instructions. For editions with centralized management you need to install Acronis License Server and import the standard license keys.

## 1.5. Local installation (Windows)

You have a choice between downloading a full installation package and a small executable package that will download from Acronis Web site, only those components that you select to install.

### 1.5.1. Preparation

Acronis Backup & Recovery 10 uses TCP port 9876 for local installation and for communication between components. The setup program automatically opens this port through Windows Firewall. If you use a different firewall, make sure that the port is open for both incoming and outgoing requests through that firewall.

### 1.5.2. Installation procedure

Do the following to install Acronis Backup & Recovery 10:

1. Run the Acronis Backup & Recovery 10 setup file.
2. Click **Install Acronis Backup & Recovery 10**.
3. Type your license key.
4. Select the components and specify the component features that you want to install.
5. Specify credentials for the Acronis Backup & Recovery 10 Agent for Windows service. By default, the setup program will create a dedicated user account for the service. See "Specifying credentials for Acronis services (p. 6)".

### 1.5.3. Specifying credentials for Acronis services

Acronis Backup & Recovery 10 Agent for Windows runs as service. When installing this component, you need to specify the account under which the agent's service will run.

You can either create a dedicated user account or specify an existing account of a local or domain user.

If you choose to create a dedicated user account for the service (recommended), the setup program will create the following user account:

- **Acronis Agent User**

For security purposes, this account will be assigned only the user rights that are necessary to run the corresponding service and perform backup and recovery:

- The account is assigned the **Log on as a service** right.
- The account is additionally assigned the **Log on locally**, **Back up files and directories**, **Restore files and directories**, and **Shut down the system** user rights.

If you choose to specify an existing local or domain user account—for example, **.\LocalUser** or **DomainName\DomainUser**—make sure that the account is assigned the user rights listed above.

If the machine is part of an Active Directory domain, make sure that the domain's security policies do not prevent the account (whether existing or newly created) from having these user rights. The same applies to the `__acro_subst_user__` account—an auxiliary account which has the **Log on as a service** right.

**Important:** After the installation, you cannot specify a different user account for a component's service.

## 1.5.4. Update

To update one or more Acronis Backup & Recovery 10 components:

1. Run the installation package, containing the updated version of Acronis Backup & Recovery 10.
2. Click **Install Acronis Backup & Recovery 10**.
3. Click **Update**.
4. Follow the on-screen instructions.

## 1.6. Upgrading to stand-alone editions of Acronis Backup & Recovery 10

This section describes how to upgrade Acronis True Image Echo Server for Windows to Acronis Backup & Recovery 10 Server for Windows.

### Preparation

Before proceeding with the upgrade, make sure that:

- You have a license key for Acronis True Image Echo Server for Windows.
- You have an upgrade license key for Acronis Backup & Recovery 10 Server for Windows.

### Installing components

1. Run the Acronis Backup & Recovery 10 setup file.
2. Click **Install Acronis Backup & Recovery 10**.
3. Specify the upgrade license key and the license key for Acronis True Image Echo Server for Windows.
4. Confirm deletion of Acronis True Image Echo Server for Windows.
5. To import old tasks at the time of installation, select the **Import existing tasks** check box. Or you can import them later at any time. For details, see "Importing tasks" later in this section.
6. Follow the on-screen instructions. For details, see "Local installation (Windows) (p. 6)".

### Result:

- The Acronis True Image Echo components are replaced with the Acronis Backup & Recovery 10 components.

### Importing tasks

You might want to import Acronis True Image Echo backup tasks and validation tasks to Acronis Backup & Recovery 10—either during installation or manually later at any time. If you do not import them, these tasks will no longer run.

**Note:** The tasks that back up data to Acronis Backup Server or validate archives stored on it will not be imported to Acronis Backup & Recovery 10.

To import the old tasks manually, use Acronis Backup & Recovery 10 Upgrade Tool. This command-line utility is located in the Acronis Backup & Recovery 10 installation directory, in the **UpgradeTool** subdirectory.

1. Install the upgrade tool by running the Acronis Backup & Recovery 10 setup file.
2. Change the current folder to the folder where the upgrade tool is installed—by default: **C:\Program Files\Acronis\UpgradeTool**  
If Acronis Backup & Recovery 10 is installed in a folder other than the default folder, change the path accordingly.
3. Run the following command:

```
cscript UpgradeTool.vbs Agent
```

**Result:**

- Tasks that were present in Acronis True Image Echo are converted to Acronis Backup & Recovery 10 tasks and appear in the **Backup plans and tasks** view.
- Each backup task's schedule, items to back up, and backup destination are the same as before, but the task will create a new archive to perform further backups.
- Each backup task is part of a backup plan. You can edit the backup plan to change the task's schedule or other parameters.

### Using backup archives created with Acronis True Image Echo

After the upgrade to Acronis Backup & Recovery 10, you have the ability to recover data from backups created with Acronis True Image Echo.

To facilitate access to these backups, you may want to create a personal vault where the backups are located. For instructions on how to create a personal vault, see the "Actions on personal vaults" section in the User's Guide.

A personal vault can store both Acronis True Image Echo archives and Acronis Backup & Recovery 10 archives. You can specify this vault as a destination for new backup plans.



## 2. Index

### A

Acronis Backup & Recovery 10  
components • 3

Agent for Windows • 3

### B

Bootable components and media builder •  
4

### I

Installation of Acronis Backup & Recovery  
10 • 3

Installation procedure • 6

### L

License policy • 5

Local installation (Windows) • 6, 7

### M

Management Console • 4

### P

Preparation • 6

### S

Specifying credentials for Acronis services  
• 6

Supported operating systems • 5

### T

Trial product version • 5

### U

Universal Restore • 4

Update • 7

Upgrading to stand-alone editions of  
Acronis Backup & Recovery 10 • 7

### W

WinPE ISO Builder • 4