

Acronis True Image Software Development Kit (SDK)

Overview

The Acronis True Image Software Development Kit (SDK) provides an extensible set of components that allow core Acronis True Image and disk management functionality to be embedded within your custom software applications. Enterprise IT developers, system integrators, independent software vendors (ISVs) and others can leverage the core capabilities of Acronis True Image and disk management functionality to develop custom solutions that integrate into existing applications.

Supports multiple programming languages to ease development

You do not need to learn new programming languages to unlock the capabilities within the Acronis True Image SDK. You can develop using familiar programming languages such as VBScript, JavaScript, Visual Basic and C#.

Enables comprehensive system protection, recovery and disk management

The Acronis True Image SDK allows you to create a comprehensive system protection and recovery solution that is completely integrated with an existing application. The Acronis True Image SDK uses the same core technology in the Acronis True Image product line. Once you have developed a solution using the SDK, it will perform the same functions as Acronis True Image. Your application will read the sectors of your hard disk with data, creating an image of the entire disk, including everything your system needs to run. It will also be able backup individual files and folders on your hard disk.

You will have peace of mind knowing that not only your data but an entire system, including the operating system, databases, applications, and system configurations, are protected and can be recovered in any situation. Restoring a system from an image will let you get back to business as quickly as possible because no reinstallation or reconfiguration is required, minimizing downtime. Moreover, with Acronis Universal Restore you can restore to different hardware or to virtual systems in case your system is damaged beyond repair.

In addition, you will also be able to create, resize, delete, and move partitions by leveraging our disk management capabilities. Better yet, the solution you build will be part of your existing management system.

Supports remote management of systems in your network

The Acronis True Image SDK allows you to perform operations not only on local systems, but on remote systems as well. You can perform remote operations in two different modes:

1. Using the Acronis Agent remote connection functionality
2. Using the Distributed Component Object Model (DCOM). DCOM extends the Component Object Model (COM) to support communication among objects on different computers – on a LAN, a WAN, or even the Internet

Acronis True Image SDK architecture

Acronis True Image SDK architecture includes the following components:

- Acronis True Image Agent – The master Acronis component that performs the Acronis True Image SDK operations on a computer where it is installed.
- Acronis True Image SDK Automation Components – Enables scripts or applications you create to control the Acronis True Image Agent. Automation components must be installed on each computer where the Acronis True Image Agent is installed except for the case of the Acronis True Image Management Console.
- Acronis True Image SDK Management – Installs on an administrator's computer to enable the remote operation of the Acronis SDK Automation Components throughout the local network.
- Acronis Secure Zone – Installs along with the Acronis True Image Agent in case you want to have the Acronis Secure Zone on the computer.
- Acronis True Image SDK Documentation – A reference for you, containing step-by-step instructions and examples of how you can create scripts for the most typical cases.
- Sample scripts written in VBScript and JavaScript.

Acronis True Image SDK Features Table

Programming Languages Support

Script languages	Any script language is supported including the most common ones such as VBScript, JavaScript and others
Compiler languages	C#

Remote Capabilities

Acronis True Image Agent	Connect to a remote computer in your network
Remote backup	Backup the data and the operating system on remote computers
Remote recovery	Recover the operating system and all data on remote computers in your network
Remote operations with disk partitions	Create, resize, delete, and move partitions on remote computers
Operation progress status	View the status of scheduled tasks on remote computers

System Protection

Backup	Acronis True Image provides two options: 1) image an entire disk or partition or 2) backup specific files and folders
Create incremental backup	Backup only changes since the last backup
Create differential backup	Backup changes since the last full backup
Exclude files	Exclude specific types of files from the file/folder backup option
Compress backups	Select from 1 of 4 compression levels when creating backup files
Create Acronis Secure Zone	Create the Acronis Secure Zone. The Acronis Secure Zone is a special hidden partition on a local system where you can store backups
Manage Acronis Secure Zone	Allows you to resize and delete the Acronis Secure Zone
Validate backup file	Checks backup file for errors

Online Protection

Throttling	Set hard disk writing speed, CPU priority, or network bandwidth during backup tasks
Online database backup	Talk to the VSS service to allow databases to be imaged while online

Recovery

Recover image	Recover an entire disk or a specific partition
Recover files/folders	Recover specific files and folders
Activate the Acronis Startup Recovery Manager	Allows a failed system to be booted by selecting the F11 key
Use Acronis Snap Restore	Boot a system from an image
Acronis Universal Restore	Restore an entire system to new hardware

Acronis True Image SDK Features Table

Administration

Create task	Create a task to run backups automatically
Show tasks	Display backup tasks
Show log	Displays a log of all Acronis True Image events
Store events	Allows you to store events in the Windows Event Manager
Update agent	Updates an agent running on a remote machine with more recent versions of Acronis True Image

Storage Media

Select storage media	Acronis True Image allows you to save to a wide variety of storage media: DAS, SAN, NAS, RAID, tapes, network drives, FTP/SFTP, USB and IEEE-1394 (FireWire) storage devices, CDs, DVDs, and removable drives
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Documentation and Sample Scripts

Documentation	Includes tutorials, a common script cookbook, a complete reference, index, and search engine
Sample scripts	For VBScript, JavaScript and C#

Availability

The Acronis True Image SDK is available for purchase by enterprise IT customers, system integrators, OEMs, independent software vendors (ISVs) and partners. To purchase the Acronis True Image SDK please contact Acronis enterprise sales.

Support and Maintenance

Full developer support is provided for all Acronis True Image SDK licensees. Acronis True Image SDK maintenance updates are released on a regular basis and are available to all current licensees.

Supported Operating Systems

- Windows 2003 Server x64 Editions , Windows 2003 Server , Windows 2000 Advanced Server , Windows 2000 Server, Windows NT 4.0 Server
- Windows XP Professional x64 Edition, Windows XP, Windows 2000 Professional, Windows Me, Windows NT 4.0 Workstation Service Pack 6, Windows 98

For additional information, please visit
<http://www.acronis.com/enterprise/products/ATIESWin/>

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