

Acronis® Backup & Recovery™ 10 Deduplication

The Acronis® Backup & Recovery 10 Deduplication option allows seamless integration of data deduplication in the backup process. Available as an option with any of the Acronis Backup & Recovery 10 advanced products, it is integrated for ease of use and will reduce storage costs and network bandwidth utilisation. Priced for SMB, Acronis has brought this cost saving technology to organisations that, until now, could not afford the significant implementation investment required.

The resulting benefits to all size organisations are:

- Reduction of data up to 90% with deduplication and compression, saving storage space
- Elimination of data deduplication-specific hardware saving capital expense
- Reduction of network traffic resulting in higher communications efficiencies

The Acronis® Backup & Recovery™ 10 family of products simplify and automate backup and disaster recovery of Microsoft and Linux workstations and servers in physical and virtual environments. Based on patented disk imaging and bare metal restore technologies, these products are the next generation of Acronis® True Image.

Significant storage and network savings through data deduplication

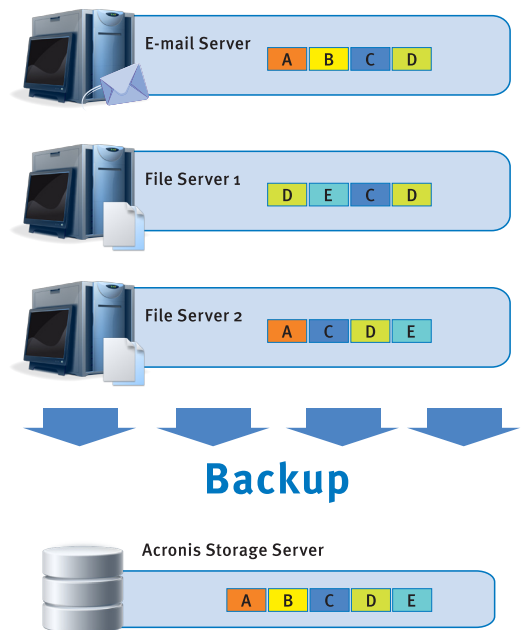
Eliminating duplicate copies of data from multiple computers during the backup process results in substantial storage and network cost savings. The Acronis Backup & Recovery 10 Deduplication option provides affordable file and block-level software deduplication functionality for both workstations and servers, so organisations of all sizes can make better use of their storage infrastructure and save costs.

Data deduplication managed from a central location

Unlike compression, which reduces the size of a single backup image or file, data deduplication actually eliminates redundancy data across all workstations and servers scheduled to be backed. For example, when full weekly backups are performed with a data retention period of 12 months, the “traditional” backups will contain a significant amount of duplicated data. However, when including data deduplication in the backup process, only the unique data are stored on an Acronis Storage Node. Depending on type of data, the recurrence of data change, and the data retention policy, it is possible to achieve, using data deduplication, compression ratios of 1:20 or higher. The diagram illustrates how deduplication works when used as part of an organisations backup and restore process. With the Acronis Backup & Recovery Deduplication option, and based on policy set by the organisation, deduplication can take place at the source (machine being backed up) or the target (receiving Acronis Storage Node).

Main Features

- File- and block-level deduplication
- Deduplication at source on the client
- Deduplication at target on the storage node
- Deduplication for full, incremental and differential backups
- Deduplication for virtual machines
- Centralised management of data deduplication across all machines
- Encryption of data



Key Features

Deduplication Options

Deduplication for image backup: Acronis Backup & Recovery 10 is the only backup software that provides deduplication for image based backup. Only unique 4k blocks of data are stored on a Storage Node.

Deduplication for file backup: For file-level backup only unique files are stored on a Storage Node.

Deduplication at source: In addition to savings of storage capacity for backups, deduplication on a Client provides the benefit of reducing the network traffic because only unique blocks or files are sent from a Client to a Storage Node.

Deduplication at target: If CPU on a backup Client is a bigger constraint than network bandwidth, Acronis gives you the option to perform deduplication on a Storage Node instead of providing deduplication on a Client.

Support for virtual environments

Since Virtual Machines are often very similar to each other, deduplication works well for virtual environments.

Security of deduplicated data

Deduplicated data on Acronis Storage Node could be encrypted using storage industry standard 128-bit, 192-bit and 256-bit AES encryption.

Manageability

Deduplication can be performed on a Client or on a Storage Node with just a few clicks. Backup policies don't have to be changed because Acronis Backup & Recovery 10 Deduplication works for full, incremental and differential backups.

Acronis deduplication option is available for the Acronis advanced edition products*:

Acronis Backup & Recovery 10 for Advanced Workstation

Acronis Backup & Recover 10 for Advanced Server

Acronis Backup & Recovery 10 for Advanced Server Virtual Edition

Acronis Backup & Recover 10 for Advanced Server Microsoft SBS Edition

* see specific product datasheet for details

Partners



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