

3DBACKUP

3DBackup® Protect

An on-premise comprehensive backup solution for businesses.

New and Innovative

3DBACKUP is a new and innovative on-premise solution for protecting group of servers, desktops and laptops. It uses source-based Deduplication, Differential Encoding, and a hybrid file-block approach to ensure that each backup is small, and data requirements are manageable. Total storage needs can be as low as 15GB per client (for daily backups of back-office workers), and backups are fast yet low impact.

3DBACKUP is simple to deploy, easy to manage, and offers self-service capabilities for users to recover their own files and folders. Configuration is achieved via policies so that large groups of computers can be managed with the minimum of effort.

3DBACKUP ensures that all your files are included in the backup unless you specifically exclude them, and uses snapshots to capture open files and databases (subject to support from the DB vendor).

Deduplicated and “Complete Always”

3DBACKUP uses a deduplicated data store called a Repository to store all backups, and all backups are Complete Backups. Complete Backups include all file-system metadata and any unique data (not already in the repository). This means that backups can be incredibly small and fast. A Complete Backup of a 64-bit system can be as small as 5MB. Restores are also fast and don't suffer from a “rehydration” penalty. Repositories are compacted daily so that old backups are removed automatically, subject to a retention policy. This saves you time and storage space.

Bare Metal Recovery

If your hard drive crashes, we've got you covered. **3DBACKUP** will restore an exact* copy of your old system including the operating system, applications, data, preferences, and email settings. This allows you to recover everything as it was on your old hard drive onto a new hard drive or new computer. All your data can be restored in one simple operation to physical or virtual hardware.

Application Support

3DBACKUP makes it easy to backup Microsoft Active Directory, Exchange, SharePoint, Skype for Business, and SQL Servers. Granular restore for Microsoft Exchange allows for restoring individual mailboxes or messages. Transaction log truncation can be performed for Exchange and SQL Server databases in Full Recovery mode.

Local & Cloud Replication

A disk-based backup solution also demands that disk-based replicas are available for disaster recovery - as a backup for your backup. **3DBACKUP** can create encrypted replicas of your data to in-LAN servers, or NAS, or to the cloud including popular SAAS platforms Amazon S3 and Microsoft Azure. Any number of replicas can be created and all managed by policy.

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Easy Administration

Policy-based administration makes administering large groups a breeze. Simply set and forget policies for backup schedules, ignore rules, throttling, and compaction. Users can be given the right to create backups on demand in addition to scheduled backups.

Administrators and Users can login to the Web Application with their usual Active Directory credentials to administer the system (Administrators only) or browse and restore their files (all users).

Self-Service Recovery frees IT resources from dealing with requests to recover deleted data.

Workstation Backup

Workstation Backup is an often overlooked requirement of a modern business. Data is created and modified on workstations and may exist in no other place in your enterprise unless steps are taken to protect it. In addition, when workstations crash, getting your employees back to work quickly is a top priority.

Old style block-based images, used for Bare Metal Recovery, are simply too bulky to keep and too difficult to maintain for even small populations of users. **3DBACKUP** is the right solution for workstations. It's policy-based administration, small and fast backups, and user self-service recovery are a perfect combination.

Features at a glance

- On-premise, managed backup, with replication to the cloud.
- Complete-always, deduplication, and differential-encoding technology means small, fast backups.
- VSS (snapshots) allow backup of in-use files and databases.
- Granular restore; only restore what you need.
- Web-based self-service recovery; Users can recover their own files.
- Bare Metal Recovery – restore entire systems to physical or virtual hardware.
- Near-continuous protection of data.
- Differential-restore for high speed rollback and roll-forward restores.
- Supports the latest Windows versions, and earlier versions back to XP.
- Supports MBR & GPT/uEFI, SSD's, AFD, 2TB+ volumes and non-512b sectors.
- Supports NTFS, FAT & ReFs
- Active Directory Integration

3DBACKUP (as part of an effective disaster recovery program) can prevent loss of credibility and goodwill, enabling you to maintain your business and your reputation.

* Typically, many files are excluded from a backup as required by Microsoft recommendations or user policy.

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System Requirements

3DBACKUP Server

The product must be installed onto a computer that acts as the 'Server'.

The following operating systems are supported for the Server:

Windows 7 or later.

Windows Server 2008 R2 or later.

A minimum of 8GB RAM.

A minimum of 2 CPU cores.

A 1GbE network connection (1 Gigabit Ethernet).

Disk storage is required for backups on a volume that is NOT the boot volume – the size of which depends on the number of clients to be protected and data on each. Volume(s) set aside for backup repositories should be dedicated to storing repository data and not used for any other purpose (i.e., do not create repositories on the server's C drive).

Storage on the server's boot volume will also be needed to store repository metadata, budget on approximately 2% of backed-up data. The ultimate allocation will depend on the number of files, volumes and Client computers involved.

All Clients

For all protected computers, whether they be servers or workstations, the minimum operating system is any version of Microsoft Windows from XP SP3 and later including 32-bit, 64-bit, up to and including Windows 10 and Server 2016.

The minimum hardware requirements are as follows:

- Processor: x86 or x64.
- RAM: 1GB for XP, 2GB for 32-bit Windows 7, and 4GB for 64-bit versions of Windows.
- Disk space: approximately 200MB.
- Ensure there is at least 10% free disk space to enable the creation of Windows Volume Shadow Copy Service (VSS) snapshots.
- Ethernet or Wi-Fi network connection
- Be a member of an Active Directory corporate network (required for user self-service).

Supported configurations include: BitLocker and hardware with Trusted Platform Modules.