

CloudBerry Backup for Windows 5.7

Release Notes

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These release notes provide information about the latest release of CloudBerry Backup for Windows (5.7).

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About CloudBerry Backup 5.7

CloudBerry Backup 5.7 is a major release, featuring new functionality and enhanced performance. See **New and Updated features** to get a closer look at the novelties. CloudBerry Backup is a cross-platform, cost-effective, flexible, and versatile backup and recovery solution that enables businesses and ordinary users to perform automatic backups to various cloud storage services. Advanced features like encryption, compression, and synthetic backups facilitate more efficient, swift, and secure file transfer between your local computer and the cloud. Ultimately, the result is an unmatched conflation of reliable backup, automatic scheduling, and highly customizable backup configuration.

Key benefits

- Cloud backup to Amazon S3, Glacier, Microsoft Azure, Google Cloud, OpenStack, Rackspace, and various other cloud storage services.
- Local backup to hard drives and NAS-like storage solutions.



- Cloud to cloud backup.
- Image-based backup.
- Encryption and compression for more secure and swift backups.
- Flexible backup & restore plans.
- Restoration of image-based backups as instances of Amazon EC2 and Microsoft Azure VM.
- Easy setup of backup plans with the ability to configure schedule, email notifications, retention policy, and email notifications.
- Initial backup with the help of AWS Snowball.
- Synthetic and block-level backup for expedited upload.

New and Updated Features

New and updated features in CloudBerry Backup 5.7.

All-Inclusive Support for Hybrid Backup

In release 5.7 we've decided to cover the remaining types of backup that hadn't yet supported Hybrid Backup. Among them are: **Image-based backup**, **Microsoft Exchange backup**, **Hyper-V and ESXi backup**, and finally **Microsoft SQL Server backup**. The case of **SQL Server Backup** is particularly interesting, since it eliminates a few issues that emerge when utilizing SQL Server's proprietary backup mechanism. As you may recall, we've recently published an article that cautions against using multiple backup plans to back up a single database, as that may lead to unintentional data corruption. Thankfully, that has changed now, and you can perform simultaneous back up of your SQL Server to first local and then cloud storage.

Restoring image-based backups to Google Cloud Platform

CloudBerry Backup 5.7 comes with the option to restore image-based backups to Google Cloud Platform. The list of cloud computing services we heretofore supported featured only Amazon EC2 and Microsoft Azure VM. Now it has been expanded to include Google Cloud Platform as well. That means you can



essentially deploy any of your current computers in the cloud with just a few clicks using CloudBerry backup 5.7.

Restoring image-based backups as VMware virtual machines

CloudBerry Backup 5.7 enables you to restore your image-based backups as VMware virtual machines in just a few clicks. The process is as simple as any other restoration procedure. If you're performing regular backups of your vSphere virtual machines, it'd be easy to restore them with CloudBerry Backup 5.7 in case you experience any software or hardware malfunction.

Fast NTFS scan

In CloudBerry Backup 5.7 we've added an option to use our own proprietary file scanning & search mechanism. In essence, our method — as opposed to Windows's NTFS file scanning method — generates a file tree. Navigating through the said file tree is considerably faster, resulting in overall faster backups. Needless to say, performance varies depending on the type of storage device you're using and the number of files targeted for backup.

Transaction logs backup during full backup

Previous versions of CloudBerry Backup had a critical disadvantage — inability to simultaneously perform full and transaction logs backup. In other words, if a full backup starts, all scheduled transaction logs backups are automatically put on hold. Let's consider the following case: **you schedule daily full backups and quarter-hourly transaction logs backups**. Suppose one of those full backup takes an hour to complete; in that case no transaction logs backup will occur during that hour. This is unacceptable for organizations that handle sensitive data and conduct numerous transactions every minute. With that in mind, in CloudBerry Backup 5.7 we've implemented simultaneous full & transaction logs backup. From now on full backups will not impede transaction logs backup and will be performed side-by-side.



Support for Backup Operators API

Members of Backup Operators group can back up and restore files on a computer, regardless of any permissions that protect those files. This is because the right to perform a backup takes precedence over all file permissions.

Members of this group, however, cannot change security settings.

By default CloudBerry Backup service is running under the **Local System** account, which not only sometimes forbids reading of NTFS permissions, but also has an excessive number of various other permissions — that could be a concern for some administrators. Taking that into consideration, it makes sense to consider starting the service under a user that is part of the **Backup Operators** group. It takes a while to perform this procedure, that's why we've written a [lengthy tutorial](#) that demonstrates just how to do that.



Resolved Issues

In CloudBerry Backup 5.7

The following table illustrates issues addressed in release 5.7.

Resolved Issue	Issue ID
ESXi 5.0 malfunction	3021
Failure to list subscriptions for Microsoft Personal account for Azure VM	3142
SQL database backup omission	3112
Poor support of hi-dpi monitors in the Options dialogue screen	2992
Poor support of hi-dpi monitors in the History tab	2802
Failure to restore an image-based backup from S3-to-Glacier archive	2344
Lack of support for Restore plan chains	3322
No consolidation after VM backup	3400



Known Issues

The following table displays known issues that are to be addressed in the future releases of CloudBerry Backup.

Issue	Issue ID
NTFS permissions of deleted files remain in the cloud	2245
High DPI issues	1735
Compression indicator shows n/a for SQL backups following repository sync	2707
Preservation of deleted files' data in the cloud	2168
App-level bandwidth limit	1807



System Requirements

Before installing CloudBerry Backup 5.7, ensure that your computer meets the following minimum software and hardware requirements.

Hardware requirements:

- 1.4 GHz 64-bit processor;
- 512 MB RAM;
- 100 MB of free disk space;
- Internet connection.

Software requirements:

- Windows 7/8/10 or Windows Server 2003/2008/2012/2016.



Getting Started

Installation Instructions

1. Get the universal installer on our [website](#).
2. Double-click on the **.exe** file to launch the Windows installer. If some required software frameworks are missing, the installer will prompt you to fix it.
3. On the first launch, select the requisite licensing option.
4. After launching the program, you can begin configuring backup & restore plans. Read our comprehensive [installation guide](#) that exhaustively explains all the pitfalls of setting up CloudBerry Backup.

Additional Resources

You can get the latest information on our products, various tutorials, and other similar information on our blog at <http://www.cloudberrylab.com/blog>.

Also, check out our knowledge base that features various workarounds for frequently experienced issues as well as some tips on how to enhance your interaction with our flagship backup solution at <kb.cloudberrylab.com>.



About CloudBerry Lab

Established in 2011 by a group of experienced IT professionals, CloudBerry Lab™ provides cloud-based backup and file management services to small and mid-sized businesses (SMBs).

CloudBerry's offerings include powerful, easy-to-use backup management capabilities and military-grade encryption using customer-controlled keys. Customers can choose to store their backup data with more than 20 online storage providers, including Amazon S3, Microsoft Azure & OneDrive, Google Cloud, HP Cloud, Rackspace, IBM Softlayer, and many others. CloudBerry also partners with thousands of VARs and MSPs to provide them with turnkey, white-label data protection services. CloudBerry Lab is an Amazon Web Services Advanced Technology Partner.

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