# CloudBerry Backup for Windows 5.6

## Release Notes

**May 15, 2017**

These release notes provide information about the latest release of CloudBerry Backup for Windows (5.6).

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## About CloudBerry Backup 5.6

CloudBerry Backup 5.6 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 5.6.

## Hybrid Backup

Many of our users like to perform local and cloud backup of the same files so as to follow the industry's best practice. The hybrid backup combines these two backup plans into one which naturally makes it easier to do the setup process. Further, encryption and compression are only performed once during the initial backup to the local storage. The already encrypted and compressed files are then uploaded to the cloud storage. Compare that to double encryption and compression with the old way!

## Chain Backup

As you may know, CloudBerry Backup already allows for extensive automation of certain procedures that take place prior to and right after the execution of a backup plan. In CloudBerry Backup 5.6 we take things further and enable users to specify a backup plan that is to be executed following the execution of the plan that's being created. Naturally, you can do it for any backup plan and thus create a sort of a *chain* that will let you automatically execute all of your backup plans in a specified order.

## Enhancements for Backblaze B2

CloudBerry Backup supports block-level backup for numerous cloud storage providers. In release 5.6 we expand the list and bring the functionality over to Backblaze B2. Block-level allows you to back up only modified parts of the files instead of running a full backup every time the file is changed. Needless to say, block-level backup utilizes substantially less bandwidth for regular backups and reduces the backup time. We've also added filename encryption to further enhance the security aspect of backup. Last but not least is the support for detailed reporting.

## Encryption and compression for Google Drive and Amazon Cloud Drive

Encryption and compression have been available in CloudBerry Backup for most cloud storage services for quite some time. In release 5.6 we take things further and expand the list with Google Drive and Amazon Drive.

## Support for Minio

Minio is an S3-compatible distributed object storage built for cloud application. It is available free of charge, released under Apache license v2.0. Yet what sets apart Minio from the competitors the most is unquestionably its simplicity and effortless deployment. Being an open-source project, Minio has an active developer and user community. Configuring a Minio storage in CloudBerry Backup 5.6 is easy as adding a regular storage account.

## Expanded list of cloud storage services that support detailed reporting

Detailed reporting is available to select storage services for the time being: Amazon S3, S3-compatible storage providers, Google Cloud with Service Account authentication, OpenStack, Azure, and starting with version 5.6 — BackBlaze B2 and local file system.

# Resolved Issues

## In CloudBerry Backup 5.6

The following table illustrates issues addressed in release 5.6.

| Resolved Issue | Issue ID |
|---|---|
| Lack of file-level restore for VMWare | 2822 |
| Lack of file-level restore for Hyper-V | 2823 |
| Lack of file-level progress bar | 1676 |
| Unrestricted silent installation with no Visual C++ 2010 installed | 2807 |
| Insufficient log detailing (no block-level file content) | 2918 |
| Inability to set up notifications in cloud-to-cloud and cloud-to-local plans | 1279 |
| Lack of support for Google regions when creating buckets | 2945 |
| App malfunction on .NET framework 4.7 (Windows 10 Creators Update) | 3067 |
| Improper support for OS encrypted by BitLocker | 2478 |
| Outdated used space information following consistency check | 2735 |
| Failure to restore a VMware VM from a Dedup Server | 3017 |
| Lousy handling of buckets containing dots in the name | 3103 |
| Failure to restore from S3 to Glacier | 1403 |
| Failure to restore Exchange database from Glacier / Oracle Archive | 2054 |

# 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 |
| ESXi 5.0 malfunction (5.5 and newer work just fine) | 3021 |
| 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 |
| T-log backups for SQL during full backup | 1004 |

# System Requirements

Before installing CloudBerry Backup 5.6, 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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