Welcome to the getting started guide for Backblaze B2 and CloudBerry! With Backblaze B2 and CloudBerry, you can automate your server backups to secure them offsite. The following guide explains how to set up CloudBerry on a single server. If you are interested in managing multiple servers, please take a look at our <u>CloudBerry MBS guide</u>.

Once you have completed the steps below, you will have a true set-it-and-forget-it backup solution in place.

## Step 1: Setup your Backblaze B2 account

If you haven't done so already, create an account at https://www.backblaze.com/b2/sign-up.html

1. Enter your email address and password to create your Backblaze account.



2. You can then verify your phone number to begin using B2. You'll automatically be prompted to go to My Settings to set up a phone number for your account. The mobile phone number you enter MUST be able to receive SMS messages.



Note: If you already have a Backblaze account, you can log in at <u>https://secure.backblaze.com/user\_signin.htm</u> and click on My Settings.

3. Once in the My Settings area, you'll need to enter your Backblaze account password and the mobile phone number (remember - it must support SMS messages!). Then, click Send Code. Once you receive the 6 digit code on your mobile phone, type it into the verification field and click to Verify.

|                             | × Verify Phone Number                                  | e b2aalexander, Sign C |
|-----------------------------|--|------------------------|
| B2 Cloud Storage<br>Buckets | Current Password                                       |                        |
| Browse Files<br>Snapshots   |  | Imail Address          |
| Reports                     | Phone Number   | ne Number              |
| Caps & Alerts               | Send Code  |                        |
| Account                     |  | Password               |
| My Settings                 | Enter the 6-digit verification code sent to your phone | ussword                |
| Billing                     |  | ettings                |
|                             | Verify Cancel  |                        |

You can now retrieve your Application Key and Key ID. You will need these to setup your CloudBerry account.

1. Click on App Keys and then click on the link that reads 'Add A New Application Key'.

|                  | Application            | Keys   |
|------------------|------------------------|--|
| B2 Cloud Storage | /                      |  |
| Buckets          | Application keys       | are used as a pair: Key ID and Application Key. This allows B2 to communicate      |
| App Keys 🖌       | securely with diff     | erent devices or apps. Once you generate your Master Application Key, this key has |
| Browse Files     | full capabilities. C   | Treate your own Application Keys to limit features like read/write. Learn more.    |
| Snapshots        |                        |  |
| Reports          | Master Application Key |  |
| Caps & Alerts    |                        |  |
| Fireball         | keyID:                 | 8¢   |
| Account          | keyName:               | Master Application Key   |
| My Settings      | bucketName:            |  |
| Billing          | capabilities:          | listKeys, writeKeys, deleteKeys, listBuckets, writeBuckets,                        |
|                  |                        | deletebuckets, listriles, readriles, shareriles, writeriles, deleteriles           |
|                  | expiration:            | Never  |
|                  | namePrefix:            | (none)   |
|                  |                        | Generate New Master Application Key  |
|                  |                        | Warning: Generating a new key will cancel the old key.                             |
|                  |                        |  |
|                  | Vera Application Mere  |  |
|                  | Your Application Reys  |  |
|                  |                        | *  |

2. You can then enter a Name for the key and click on the button that says "Create New Key".

| BACKBLAZE |                                      |   | Deseased Dealure Dualmass Dealure P                                  | Marcinud Storage Blog Help My Accoun   |
|-----------|--------------------------------------|---|--|--|
|           | Buckets<br>App Keys                  | Add Ap  | plication Key  | o communicate<br>ton Key, this key has |
|           | Browse Files<br>Snapshots<br>Reports | Name of Key:  | CloudBerry   | e. Learn wore.                         |
|           | Caps & Alerts<br>Fireball            | Allow access to Bucket(s):<br>(optional)<br>(bucketName)    | All  |  |
|           | Account<br>My Settings<br>Billing    | Type of Access:<br>(optional)<br>(capabilities)             | Read and Write     Read Only     Write Only                          | kets.                                  |
|           |                                      | File name prefix:<br>(optional)<br>(namePrefix)             | Allow access to file names that start with this.                     | es, deleteFiles                        |
|           |                                      | Duration (seconds):<br>(optional)<br>(validDurationSeconds) | Positive integer less than 1000 days (in seconds).<br>Create New Key | у.                                     |
|           |                                      |   | Cancel   |  |
|           |                                      |   | Add a New Application Key  |  |

3. When you have the Key ID and the Application Key, be sure to copy them and keep both of these in a safe location. Once you close this window, the current Application Key will

not display again and you will need both of these numbers to set up your CloudBerry account.

| keyld:          | 90(              |   |
|-----------------|------------------|---|
| keyName:        | CloudBerry       |   |
| applicationKey: | K9(              | + |
|                 | Coputo Cliphoard |   |

**IMPORTANT**: If you lose the Application Key, you will need to create another Application Key. **The new key that you create will invalidate the old one.** 

Your B2 account is now created and ready to be used with CloudBerry.

## Step 2: Create Your CloudBerry account

Now that you have created a Backblaze account, you can begin setting up your CloudBerry backup client.

1. Get started with CloudBerry by going to the <u>CloudBerry</u>, website, entering your email address, check the Captcha form and clicking on the green "Download" button.

| #1 Cross-Platform Cloud Backup                               | PRODUCTS                            | SOLUTIONS                          | RESOURCES                             | SUPPORT      | COMPANY                | *                  |
|--|-------------------------------------|------------------------------------|---------------------------------------|--------------|------------------------|--------------------|
| 🏠 > Products > CloudBerry Backup                             | > Windows > Ser                     | ver > Download                     |                                       |              |                        |                    |
| Download CloudBer  | ry Backup                           |                                    |                                       | /            |                        |                    |
| Windows Server Edit  | tion Choose ar                      | nother edition ~                   |                                       |              | RESOURCES & G          | UIDES              |
| Please leave your email                                      |                                     |                                    | /                                     |              | FAQ<br>Video Tutorials |                    |
|  |                                     |                                    |                                       |              | Release Notes          |                    |
| Your Email   |                                     | Download                           | -                                     |              | Installation and       | Configuration Guid |
|  | C                                   | urrent version: 6.0.1              | .66                                   |              | Command Enter          | Internation        |
|  | <b>2</b>                            |                                    |                                       |              | SUPPORTED OS           | ^                  |
| I'm not a robot  | reCAPTCHA                           |                                    |                                       |              | Windows Server         | 2008/2008 R2       |
|  | Privacy - Terms                     |                                    |                                       |              | Windows Server         | 2012/2012          |
| CloudBerry Backup for Windo                                  | ws Server prov                      | ides reliable and                  | cost-effective                        |              | Windows 7/8/10         |                    |
| backup for your Windows des<br>supports multiple cloud stora | sktop computer<br>ige options, incl | s and servers. T<br>uding Amazon S | his backup solut<br>33, Microsoft Azı | tion<br>ure, | SYSTEM REQUIR          | REMENTS 🗸          |
| soogle Cloud and other.                                      |                                     |                                    |                                       |              |                        |                    |

2. Once you have signed up successfully, the installer will automatically download to your computer. You can then click on the activation code to copy it. You can then double click on the Installer.



- 3. Double-click on the Installer to open it and click "Next".
- 4. Select the destination for your backup software and click on the "Install" button.

| 🎒 Online Backup 6.0 Setup  | -         |             | ×    |
|--|-----------|-------------|------|
| Choose Install Location<br>Choose the folder in which to install Online Backup 6.0.  |           |             |      |
| Setup will install Online Backup 6.0 in the following folder. To install in a Browse and select another folder. Click Install to start the installation. | different | : folder, c | lick |
| Destination Folder<br>C:\Program Files\Pawnee Parks\Online Backup  | Brov      | vse         |      |
| Space required: 58.3MB<br>Space available: 102.8GB<br>Nullsoft Install System v2.51  |           |             |      |
| < Back Inst  | all       | Can         | cel  |

5. Click on the "Finish" button to run the backup software.



## Step 3: Create Your Backup Plan

Your backup plan will allow you to specify B2 cloud storage, set encryption, and schedule it accordingly.

1. Click on the "Files" button to start setting up your backup plan.



2. Select Local or Cloud Backup. Click "Next".



3. Click on "Add New Storage" and a cloud storage selector will pop up.



4. Select Backblaze B2 as your storage target.

| ð• Ho       | ome Tools   |        |
|-------------|---|--------|
| Files 6     | Beter Cloud Storage                                     | × y La |
|             | Popular Storage Providers                               |        |
| We          |   |        |
| Last Re     | Amazon S3 Amazon Glacier Azure Backbiaze B2 File System | (      |
|             | Google Cloud OpenStack Wasabi                           |        |
| Т           | Other Providers [Show more]                             | ns     |
| Settine     |   | € ⊕    |
| Bandwid     |   |        |
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| Process pro | onty. Inonnaij ceneral Process monty                    |        |
| 2.2         | mputer from sleeping while plan is running: On          |        |
| Prevent co  |   |        |

5. Enter a Display name. If you have copied your Key ID and Application Key, you can enter them now.

| He          | ome Tools           |   |            |
|-------------|---------------------|---|------------|
|             | MS SC               | Backblaze B2 Account                                      | ×          |
|             | Crasta Dashum       | B2 Storage Account Cost Estimates Consistency Check       | y La       |
| riles       | langle Select Cloud | Setup Backblaze B2 Storage account settings               | X ud Back  |
|             | Popular St          |   |            |
| We          |                     | You can import an account from one of CloudBerry products |            |
|             |                     | Display name:   |            |
| Last Re     |                     | Account ID/   |            |
|             | Ar                  | Application key Id:                                       |            |
|             |                     | Application key:  |            |
|             |                     | Bucket name: <specify bucket=""> ~</specify>              |            |
|             | 1                   | Advanced setting  |            |
|             | God                 | Specify Proxy Setting                                     |            |
|             |                     |   |            |
|             | Other Prov          |   |            |
|             | other mot           |   | ns         |
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| Seruni      |                     |   | <b>G 6</b> |
| Bandwid     |                     |   |            |
| Retry att   |                     |   | 1          |
| Use MD5     |                     | Don't have an Backblaze B2 account?                       |            |
| Thread co   |                     | Secore an account - it will take just a few millities:    |            |
| Chunk siz   | 122                 |   |            |
| Deserve     | onty. [itomi        | OK Cancel   |            |
| Process pro | and the factor of a |   |            |

Note: If you do not have access to your Application Key and Key ID, you will need to create a new one within your <u>Backblaze</u> account.

6. Then, you can create a new bucket and assign a name to it.

| Но           | me loois         | -                                  |  |   |     |
|--------------|------------------|------------------------------------|--|---|-----|
|              | 🗾 🧧 MS SC 🖉      | Backblaze B2 Accor                 | unt  | × |     |
| Files        | Select Cloud     | B2 Storage Account                 | Cost Estimates Consistency Check blaze B2 Storage account settings |   |     |
|              | Popular St       | You can import an                  | a account from one of CloudBarry products                          |   |     |
| Wel          |                  | Display name:                      | cloudberry   |   | -   |
| Last Re      | Ar               | Account ID/<br>Application key Id: | 24   | m | Œ   |
|              |                  | Application key:                   | ••••••   |   |     |
|              |                  | Bucket name:                       | <specify bucket=""> ~</specify>                                    |   |     |
|              | God              |                                    | <create bucket="" new=""><br/>cloudberrybackups123</create>        |   |     |
| т            | Other Prov       |                                    | $\mathbf{i}$   |   | ns  |
| Settin       |                  |                                    |  |   | ÷ 4 |
| Bandwid      |                  |                                    |  |   |     |
| Retry att    |                  |                                    |  |   |     |
| Use MD5      |                  | Don't have an Ba                   | ckblaze B2 account?  |   |     |
| Thread co    |                  | Create an account                  | - It will take just a few minutes!                                 |   | -   |
| Chunk si:    |                  |                                    |  | - |     |
| Process priv | nity. [Itonin    |                                    | OK Cancel  |   |     |
| Prevent con  | nputer from slee |                                    |  |   |     |

7. You can now select Backblaze B2 and click on the "Next" button.

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| Files Create   | Backup Plan Wizard         |   | ×                                     | y Lak     |
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|  |                            | Select Backup storage or create a new one |                                       |           |
| We   |                            | -   | CloudberryLab                         |           |
|  |                            | cloudberry                                |                                       |           |
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| Ti<br>Setting<br>Bandwid<br>Retry att<br>Use MDS<br>Thread c<br>Chunk siz<br>Process promy.    | Troumany central while all | < Back                                    | Add new Storage Account Next > Cancel | ns<br>⊕ ⊄ |

8. You can either choose a name for your backup plan or click on "Next" to keep the default backup plan name.

| Files Forme               | MS SQL Server         | Local to Cloud                         | plan name<br>CloudberryLab  | y Lal<br>ud Backt          |
|---------------------------|-----------------------|--|---|----------------------------|
| Files Cre<br>We<br>Last R | MS SQL Server         | Plan Name<br>Specify a r<br>Plan name: | plan name<br>CloudberryLab  | ( <b>y</b> Lal             |
| Files Cre<br>We<br>Last R | te Backup Plan Wizard | Plan Name<br>Spedfy a r<br>Plan name:  | plan name<br>CloudberryLab  | ( <b>y</b> Lal<br>ud Backt |
| we<br>Last R              |                       | Plan Name<br>Specify a p<br>Plan name: | plan name QQ<br>CloudberryLab   | ud Backt                   |
| we<br>Last R              |                       | Pian Name<br>Specify a ;<br>Plan name: | plan name<br>CloudberryLab  |                            |
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| Last R                    |                       | Plan name:                             | 2adup plan on 4/23/2019 1:36:21 PM  | 6                          |
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| Setting                   |                       | ✓ Save bac                             | ckup plan configuration to the backup storage   | Ψé                         |
| Bandwid                   |                       | Note: If<br>security r                 | Your plan has encryption, the encryption password will not be stored by<br>reason. You will have to specify the encryption password during restore. | -                          |
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| Process priority.         | Internal ceneral r    | Toccas Thomas                          |   |                            |
| Prevent compute           | r from sleeping while | plan is running:                       | Dn  |                            |
| Logging level:            | Low level             |  | ~   |                            |
| Backup Service et         | arted                 |  |   | Build: 6.0                 |

9. Click "Next" to leave the backup plan in Advanced Mode, which offers encryption, versioning, and block level backup.



10. If you would like to automatically backup deleted files, mark the checkbox next to "Track local file deletes in backup storage". You can also select VSS Shadow Copy if you would like to backup files that are in use. However, please note that this may take additional system resources. Click the "Next" button.



11. In this step, you have to specify data to back up. You can browse the file tree and choose whether to back up all of the files or some specific folders. After making a selection click "Next".

| CloudBerry Backup Server Edition       | - Trial expires 4/30/2019                                     | - 0 ×            |
|--|---|------------------|
| Home Tools                             |   |                  |
| MS SQL Server                          | Local to Cloud  |                  |
| Files Create Backup Plan Wizard        |   | × <b>y</b> Lab   |
|  | Backup Source<br>Specify files and folders you want to backup | CloudberryLab    |
| We                                     |   |                  |
| Last R                                 | ▷   | •                |
| T                                      |   | ns<br>• Ø        |
| Bandwid                                |   | =                |
| Retry att<br>Use MD5                   |   | Advanced Options |
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| Longing laugh                          | ~   |                  |
| Lodding level: Low level               |   |                  |

12. To ensure that all data is secure, leave the selection as "Backup all files in selected folders". You can then click on the "Next" button to proceed.



13. You can now choose to encrypt your data and set a password for that encryption. Confirm the password by entering it again. Then check "Encrypt filenames" and click "Next".



14. In this step, you can set a number of versions for your files or specify the amount of time to keep versions. You can also choose to delete prior versions of your files. By default, CloudBerry will keep three versions of your files. Click "Next" to proceed.



15. You can now set a backup schedule for backups to occur automatically in real-time or on a schedule. We recommend continuous, real-time backup as that gives you the greatest level of protection. However, you can also choose to schedule your backups or to backup on click.



16. Here, you can set an alert for failing backups. Enter an email address for notifications in case the backups fail and click "Next".



17. Once you review your created backup plan settings, you can click "Next".



18. Click on "Finish" to begin the first backup.

| CloudBerry Backup Server Edition - Trial expires 4/30/2019 |                                      |              |
|--|--------------------------------------|--------------|
| Home Tools   |                                      |              |
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| Bandwid<br>Retry att<br>Use MD5<br>Thread c<br>Chunk siz   | Run backup now                       | Ξ            |
| Process priority. Internal concrarity                      | Seess monty                          |              |
| Prevent computer from sleeping while plan is running: On   |                                      |              |
| Logging level: Low level                                   |                                      |              |
| O Backup Service started Build: 6.0.1.66                   |                                      |              |

Now that you have completed your setup, there is nothing left for you to do. Your backups are automated and your server data will shortly be secure in our B2 cloud.