

Origin Storage

Origin Storage Management Console User Guide

2018-09

Information herein, including the URL and other Internet website references, is subject to change without notice. Unless otherwise noted, the companies, organizations, products, domain names, email addresses, logos, people, locations, and events depicted herein are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, location or event is intended or inferred. The user is responsible for complying with all applicable Copyright laws. Without limiting the rights under Copyright law, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Limelight Networks, Inc.

Limelight Networks, Inc. may have patents, patent applications, Trademarks, Copyrights, or other intellectual property rights covering the subject matter herein. Unless expressly provided in any written license agreement from Limelight Networks, Inc., the furnishing of the information herein does not give you any license to patents, Trademarks, Copyrights, or other intellectual property.

© 2018 Limelight Networks. Limelight Networks is a registered Trademark of Limelight Networks, Inc. in the United States and/or other countries. All rights reserved.

Table of Contents

Using this Guide	5
Origin Storage Management Console Overview	6
Working in the Console	7
Understanding the Initial View	7
Bucket Storage	7
Non-Bucket Storage	7
Navigating Content	8
Bucket Storage	8
Non-Bucket Storage	9
Viewing Content in the Files and Folders List	10
Filtering	10
Controlling List Content	10
Sorting	10
Paging	11
Working with Files	12
Deleting Files	12
Deleting a Single File	12
Deleting Multiple Files	12
Previewing Images	13
Getting Direct Links to Files	13
Downloading Files	14
Uploading Files	14
Uploading by Drag and Drop	14
Uploading Using the Upload Button	15
Viewing Upload Progress	15
Viewing Uploaded Files	16
Canceling Uploads	16
Working with Folders	17
Creating Folders	17
Deleting Folders	18
Working with Buckets	19
Overview	19

Understanding Data Replication and Constraints	19
Understanding Bucket Controls	20
Understanding Fields Displayed in Buckets	20
Filtering	20
Adding a Bucket	21
Deleting a Bucket	21
Adding Replication to an Existing Bucket	22
Removing Replication from a Bucket	22
Accessing Bucket Content	23
Logging Out	24

Using this Guide

This User Guide details instructions for two kinds of storage: Bucket Storage and Non-Bucket Storage. You need to know which type of storage you have to effectively use this document. If you're not sure which type of storage you have, contact your account manager. Unless otherwise stated, instructions apply to both types of storage. When content applies to only one storage type, that information will be in a separate section.

Origin Storage Management Console Overview

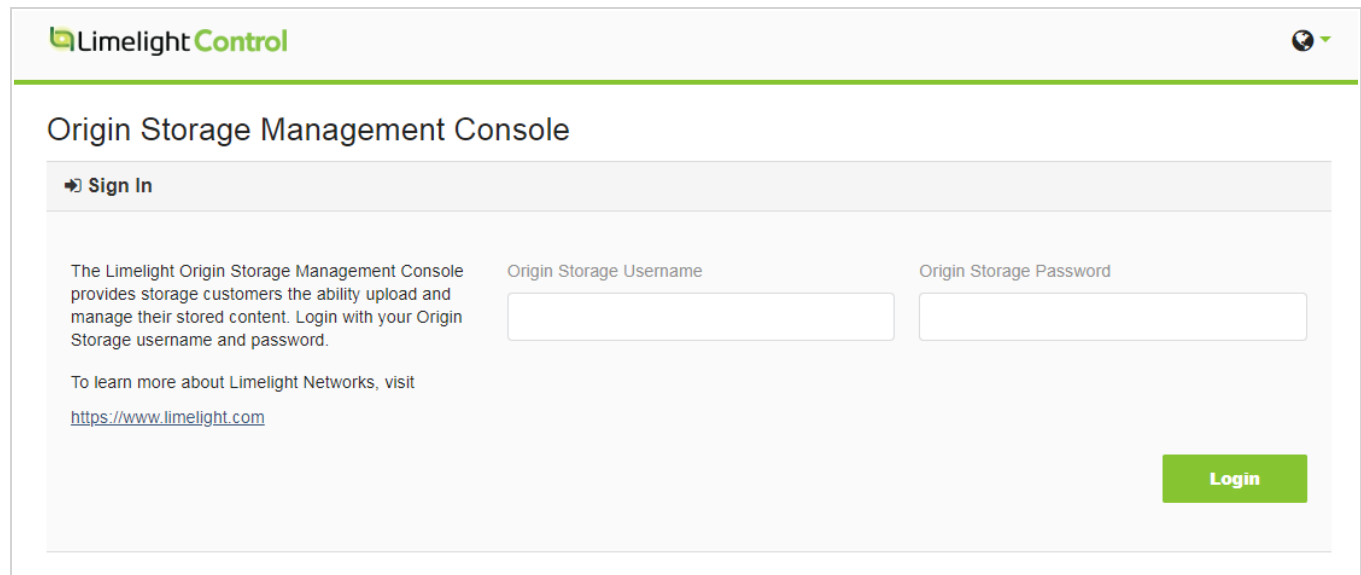
The Origin Storage Management Console (the Console) is the user interface to *Origin Storage* that lets you perform many of the same tasks you might do through APIs, such as uploading files, creating directories and subdirectories, and so on. Depending on the speed of your internet connection and file size, you can populate your selected storage locations around the world in minutes.

If you already have an *Origin Storage* user account, you can access and use the Console; it mirrors your content. You can still access your *Origin Storage* account via the API.

If you are new to *Origin Storage*, you have the option to use either (or both) the Console or the *Origin Storage* API to store data in Limelight's many geographic locations around the world that best meet your business requirements.

Note: The Console is intended for ad-hoc work only and should not be part of normal CDN work flows. Whenever possible, we recommend that customers leverage the Origin Storage API due to its feature-rich ingest workflow and its superior performance.

To access the Console, follow this link: <http://control-storage.lnw.com/#/login>



The screenshot shows the 'Origin Storage Management Console' login interface. At the top, the 'Limelight Control' logo is on the left and a user profile icon is on the right. Below the header, the title 'Origin Storage Management Console' is displayed. A 'Sign In' link with a right-pointing arrow is located on the left. The main content area contains a descriptive paragraph about the console's functionality, a link to the Limelight Networks website, and two input fields for 'Origin Storage Username' and 'Origin Storage Password'. A green 'Login' button is positioned at the bottom right of the form.

Limelight Control

Origin Storage Management Console

[➔ Sign In](#)

The Limelight Origin Storage Management Console provides storage customers the ability upload and manage their stored content. Login with your Origin Storage username and password.

To learn more about Limelight Networks, visit <https://www.limelight.com>

Origin Storage Username

Origin Storage Password

Login

Log in with your Origin Storage credentials.

Working in the Console

[Understanding the Initial View](#)

[Navigating Content](#)

Understanding the Initial View

[Bucket Storage](#)

[Non-Bucket Storage](#)

Bucket Storage

This view has controls for working with buckets:

The screenshot shows the 'Buckets' view in the console. On the left is a sidebar with a home icon and a bucket icon. The main area is titled 'Buckets' and contains a '+ new' button and a search bar labeled 'Filter by name, region or tier'. There are four bucket cards displayed in a 2x2 grid:

- uswestworld**: Replicates from: uswest, us-west, infrequent_access, 381.67 KB, 102 Files.
- uswest**: Replicates to: uswest2, uswestworld, us-west, standard, 985.73 KB, 101 Files.
- uswestworld2**: Replication: None, us-west, standard, 4.00 B, 1 Files.
- uswest2**: Replicates from: uswest, us-west, standard, 16.00 B, 4 Files.

Each card has a small icon in the bottom right corner.

For more information see [Working With Buckets](#).

Non-Bucket Storage

This view has controls for working with files and folders.

The screenshot shows the 'Files' view in the console. On the left is a sidebar with a home icon and a file icon. The main area is titled 'Files' and contains an 'upload' button, a list icon, a folder icon, a file icon, and a search bar labeled 'Filter by name'. Below these are buttons for 'Delete' and 'Add'. A summary bar shows '367 folders 525 files 39.34 GB'. Below this is a table of files and folders:

	Name	
/		
📁	zoya	Mar 7, 2018
📁	x	Dec 5, 2017

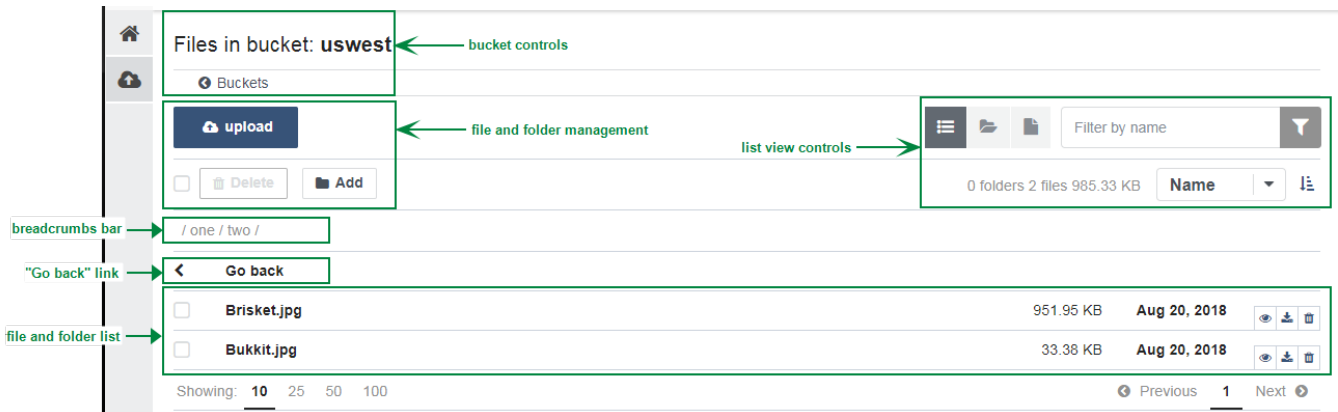
Each row has a trash icon in the rightmost column.

Navigating Content

[Bucket Storage](#)

[Non-Bucket Storage](#)

Bucket Storage



bucket controls: Show the current bucket name. Also contain the **Buckets** link that allows you to return to the bucket storage initial view.

file and folder management: Contains controls for file- and folder- management tasks such as uploading and deleting files and creating folders. (You can also [delete files](#) while viewing them in the files and folders list.)

list view controls: Allows you to manipulate the content of the file and folder list.

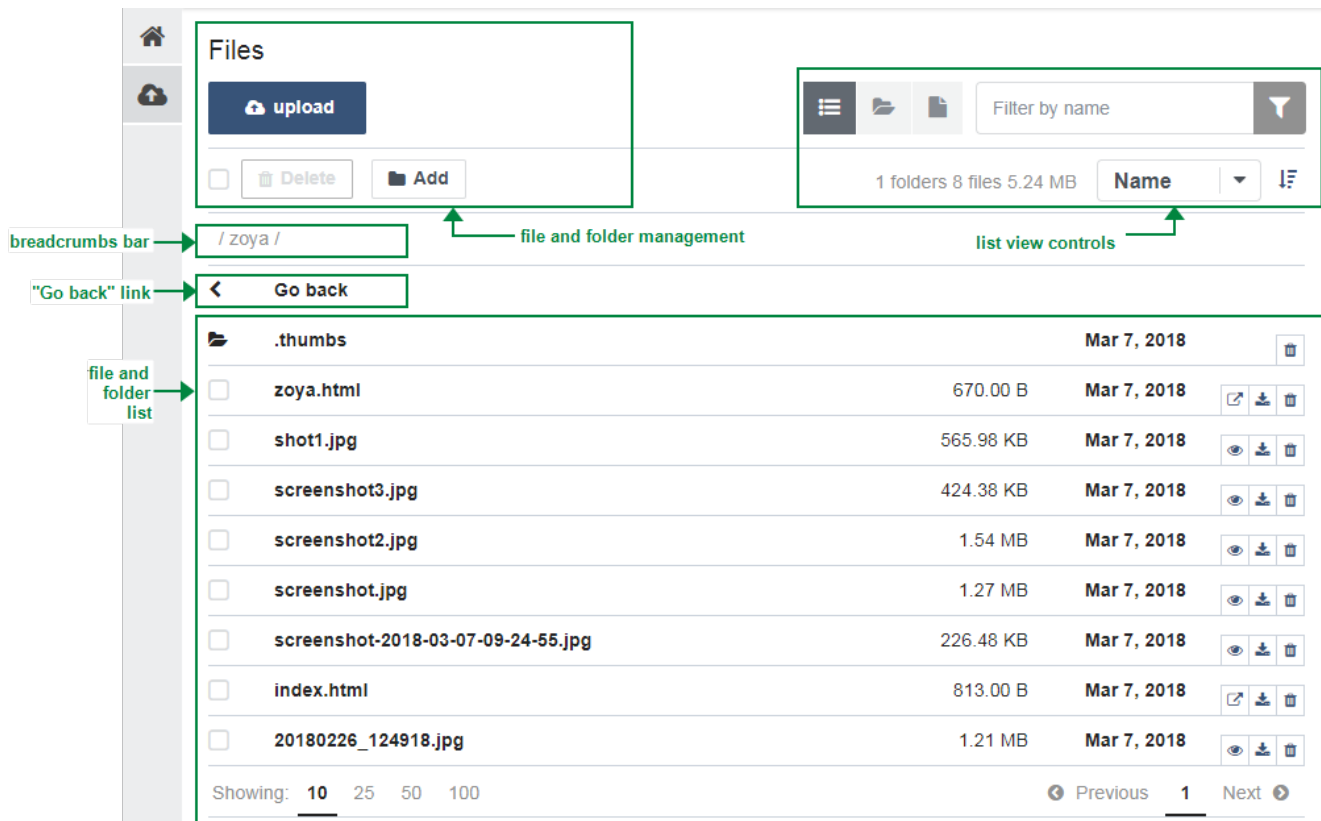
breadcrumbs bar: Shows your place in the content structure and allows you to navigate by clicking path segments. Each segment in the breadcrumbs bar is a link to that segment in the folder structure. Click a link to move to that location in your content structure.

Go back link: Visible only when you are one or more levels from the root folder, the link takes you to the previous path segment listed in the breadcrumbs bar.

file and folder list: Shows files / folders contained in the folder currently shown in the breadcrumbs bar.

Additionally, the Home and Cloud icons allow you to navigate to the Control Dashboard and back to the Console.

Non-Bucket Storage



file and folder management: Contains controls for file- and folder- management tasks such as uploading and deleting files and creating folders. (You can also [delete files](#) while viewing them in the files and folders list.)

list view controls: Allows you to manipulate the content of the file and folder list.

breadcrumbs bar: Shows your place in the content structure and allows you to navigate by clicking path segments. Each segment in the breadcrumbs bar is a link to that segment in the folder structure. Click a link to move to that location in your content structure.

Go back link: Visible only when you are one or more levels from the root folder, the link takes you to the previous path segment listed in the breadcrumbs bar.

file and folder list: Shows files / folders contained in the folder currently shown in the breadcrumbs bar.

Additionally, the Home and Cloud icons allow you to navigate to the Control Dashboard and back to the Console.

Viewing Content in the Files and Folders List

[Filtering](#)

[Controlling List Content](#)

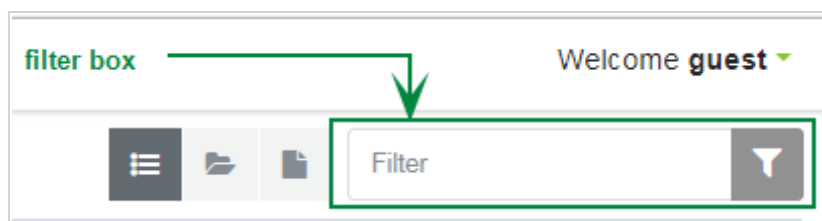
[Sorting](#)

[Paging](#)

Filtering

You can filter the contents of the files and folders list by typing text in the **Filter box** in the top right corner of the page.

Note: The filter applies only to the folder you are currently viewing as reflected in the breadcrumbs bar, and not the entire directory structure of your content as a whole.



The Console matches files and folders as specifically as possible to your filter. The Console applies the filter to file and folder names.

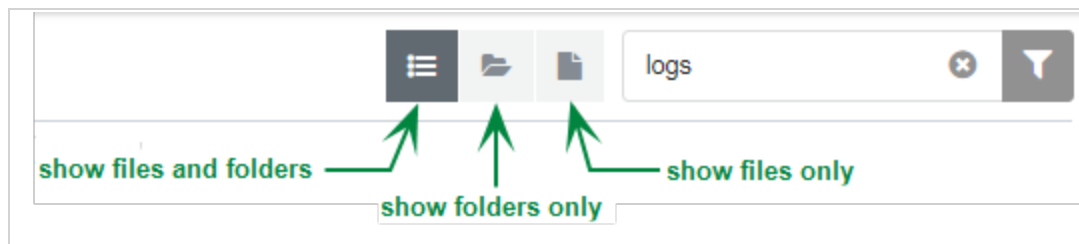
As you type, the Console modifies the files and folders list to match your filter.

Filtering is case insensitive.

Controlling List Content

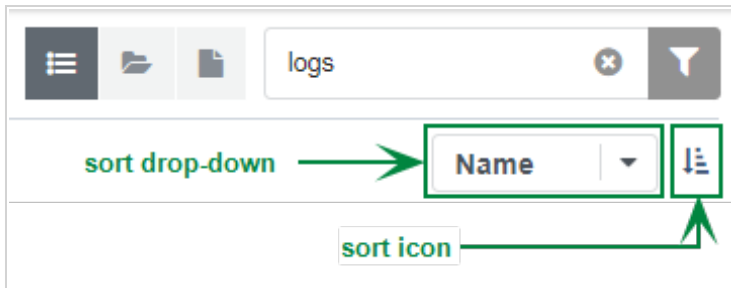
Using the following list options icons in the top right corner of the page, you can view:

- files and folders
- folders only
- files only



Sorting

Using the **sort drop-down** and **sort icon**, you can arrange the contents of the files and folders list.



Choose a field to sort by in the **sort drop-down**:

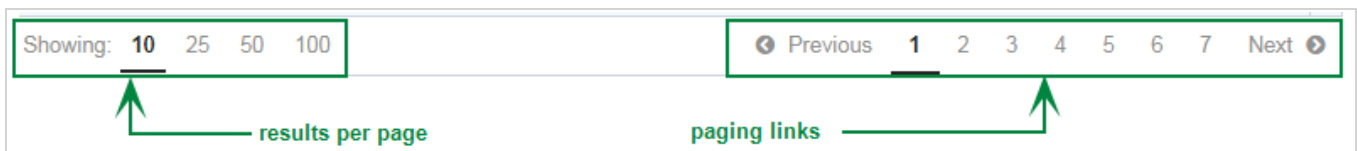
- **Name**
- **Date Uploaded**
- **File Size.**

For folders, **Date Uploaded** is the folder creation date.

Click the **sort icon** to toggle between ascending (default) or descending order.

Paging

Use the **results per page** links at the bottom of the page to control the number of items visible per page. The **paging links** allow you to page through the **files and folders list** by selecting the page number you want to view.



Working with Files

[Deleting Files](#)

[Previewing Images](#)

[Getting Direct Links to Files](#)

[Downloading Files](#)

[Uploading Files](#)

Deleting Files

You can delete a single file or multiple files.

Deleting a Single File

1. [Navigate](#) to the folder that contains the file you want to delete.
2. Click the **delete icon**.



3. Click **Delete** in the dialog that asks you to confirm the deletion.
4. The Console deletes the file.

Note:

You can also delete a file using the *Origin Storage* deleteFile API.

Deleting Multiple Files

1. [Navigate](#) to the folder that contains the files you want to delete.
2. Choose files you want to delete. You have two options:
 - Individual: Select individual files by clicking the checkboxes to the left of the file names.
 - All: To select all files currently visible in the **files and folders** list (based on the results per page setting), Click the checkbox to the left of the **Delete** button.

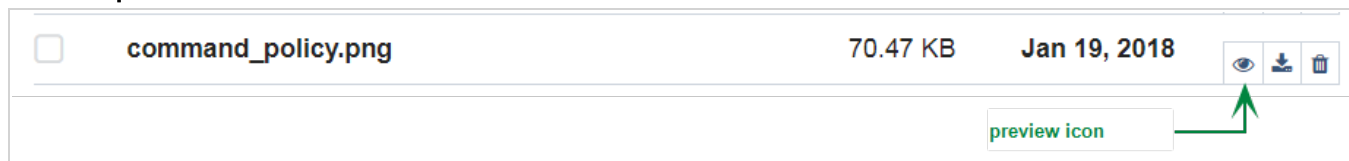


Note: The button to delete files is inactive until you select one or more files.

3. Click the **Delete** button.
4. Click **Delete** in the dialog that asks you to confirm.

Previewing Images

1. [Navigate](#) to the folder that contains the file.
2. Click the **preview icon**.



3. The image appears in a dialog along with its [direct link](#).

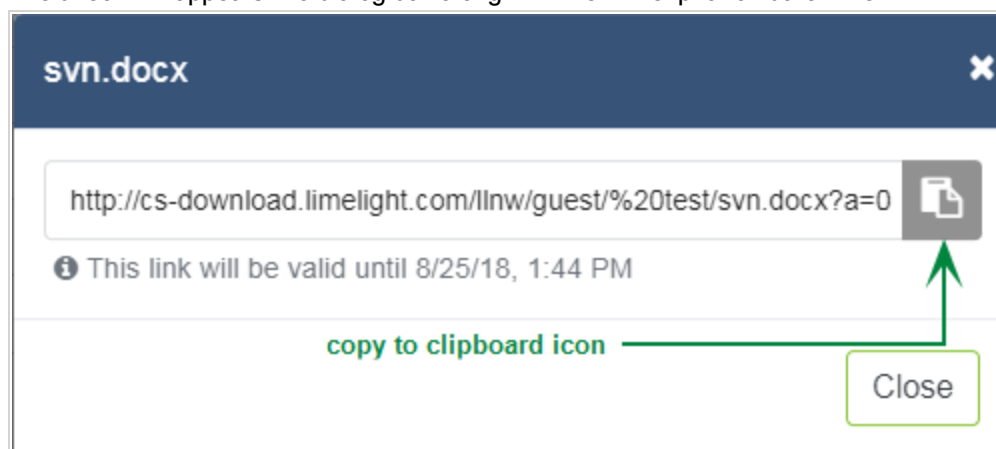
Getting Direct Links to Files

The Console allows you to obtain a file's URL that you can share by copying and pasting. The URL allows users to directly download the file from *Origin Storage*. For security purposes, the link is valid for 24 hours only.

1. [Navigate](#) to the folder that contains the file.
2. Click the **generate link icon**.



3. The direct link appears in a dialog box along with the link expiration date/time.



4. Click the **copy to clipboard icon** to get a link you can paste.

Note:

The *Origin Storage* API does not provide a means for obtaining a file's URL.

Downloading Files

1. [Navigate](#) to the folder that contains the file you want to download..
2. Click the **download icon**.



3. Your browser downloads the file.

Uploading Files

You can upload by drag and drop or by selecting individual files. The Console fully supports file names with UTF-8 characters.

Notes:

The Console allows you to upload a zero-byte file and imposes no file size limits.

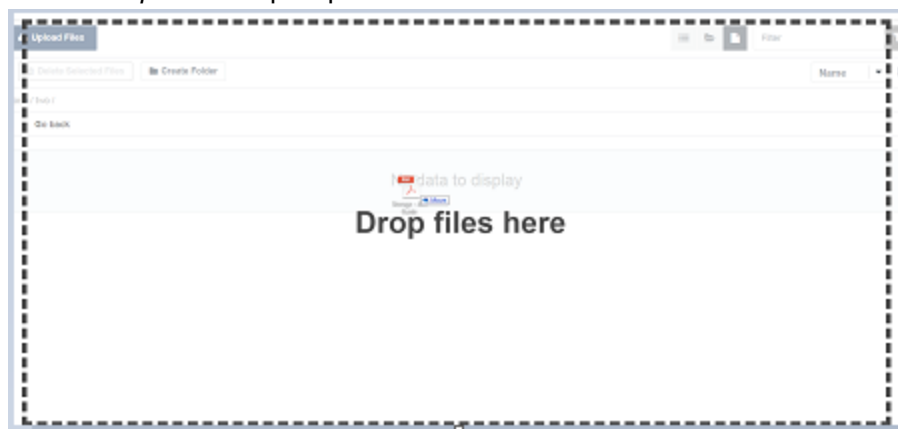
The Console allows you to upload no more than 50 files at once. At any given time, the Console uploads only two files concurrently. The rest of the files are in an upload queue.

If you attempt to upload a file in a directory that already contains the file name, the Console overwrites the existing file.

There is no limit to the number of files that you can store in a directory, but the Console displays a maximum of 10,000, so anything over that limit will not be visible within the Console.

Uploading by Drag and Drop

1. [Navigate](#) to the folder to which you want to upload files.
2. Select one or more files from your desktop and drag them over the Console. As you hover over the Console, you see the *Drop files here* prompt:

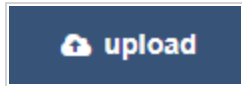


3. Release the files.
4. The Console uploads your files.

See also [Viewing Upload Progress](#) and [Canceling Uploads](#).

Uploading Using the Upload Button

1. [Navigate](#) to the folder to which you want to upload files.
2. Click the **upload** button.

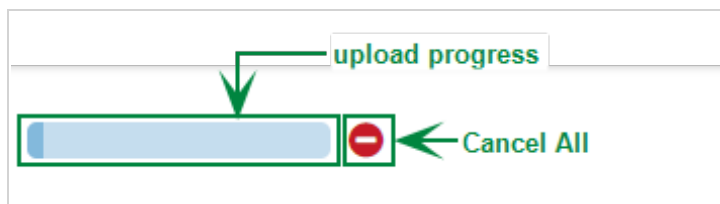


3. The **Open** dialog appears. Use the dialog to browse to the location of your files and select the desired files.
4. Click the **Open** button in the dialog.
5. The Console uploads your files.

See also [Viewing Upload Progress](#) and [Canceling Uploads](#).




Viewing Upload Progress

During file upload, the Console displays the **upload progress** bar and the **Cancel All** icon:



Note: Small files are generally uploaded very quickly and the progress bar goes away almost immediately.

If you are uploading multiple files, you can click the **upload progress** bar to show *upload details*—the status of each file in the upload:

	✓ Competitor 2.pdf	975.84 KB
	✓ Competitor.pdf	975.84 KB
	✗ Data Sheet 2.pdf	3.60 MB

For uploads with more than five files, the *upload details* includes the **Show all uploading** link:

<div></div>	✓ about.jpg	6.62 KB
<div></div>	✓ ...Architecture_86864220.jpg	164.65 KB
<div></div>	✓ burlington-office.jpg	1.48 MB
<div></div>	✓ case_study_ICV.jpg	265.73 KB
<div></div>	✓ case_study.jpg	128.49 KB
Show all uploading_(46 files)		

Click the link to view details for the remaining files.

Viewing Uploaded Files

After the Console uploads a file, the Console flags the file with the *New icon*:

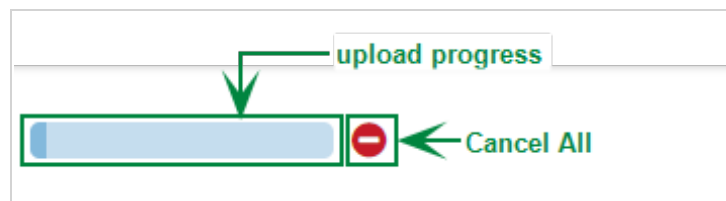
<input type="checkbox"/>	NEW new-file.txt	3.00 B	Mar 15, 2018	Link Download Delete
	 NEW icon			

The file is placed at the start of the files and folders list.

If you don't see your uploaded files in the files and folders list, the list might be set to **show folders only**. Click the **show files and folders** button or the **show files only** button (see [Controlling List Content](#)).

Canceling Uploads

You can cancel a single file upload or cancel all files in a multi-file upload by clicking the **Cancel All** icon:



You can also cancel individual files in a multi-file upload:

1. Click the **upload progress** bar to show progress details.

<div></div>	✓ Competitor 2.pdf	975.84 KB
<div></div>	✓ Competitor.pdf	975.84 KB
<div></div>	✗ Data Sheet 2.pdf	3.60 MB

2. Click the **Cancel** icon for any individual uploads you want to stop.

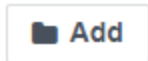
Working with Folders

[Creating Folders](#)

[Deleting Folders](#)

Creating Folders

1. [Navigate](#) to the folder where you would like to create the new folder.
2. Click the **Add** button.



3. Enter a name in the *Create* dialog and click **Create**.

A dialog box titled "CREATE" with a close button (X) in the top right corner. It contains a label "Folder Name" above a text input field that also contains the placeholder text "Folder Name". At the bottom right, there are two buttons: "Close" and "Create".

Note:

If you attempt to create a directory with a / slash in the name one of two things happens:

- 1) If the folder name before the slash exists, the Console creates a new directory in that folder.
- 2) If the folder name before the slash does not exist, the Console displays an error informing you that the parent path does not exist.

For example, if you are in the root directory and a folder named `test` exists and from the root directory you click **Create Folder** and enter `test/sub-test`, the Console creates the folder `sub-test` under `/test`.

Note:

You can also create directories using the *Origin Storage* API. Use any of the following:

- `makeDir`
- `makeDir2`
- `post/directory`

Deleting Folders

Notes:

- You can only delete empty folders. To delete files in a folder, see [Deleting Files](#).
- The Console does not support recursive deletes (deleting a folder's subfolders, all their subfolders, and so on).
- You can also delete a folder using the *Origin Storage* deleteDir API.

1. [Navigate](#) to the folder that you want to delete.
2. Click the **delete icon**.



3. Click **Delete** in the dialog that asks you to confirm the deletion.
4. The Console deletes the folder.

Working with Buckets

[Overview](#)

[Understanding Data Replication and Constraints](#)

[Understanding Bucket Controls](#)

[Understanding Fields Displayed in Buckets](#)

[Filtering](#)

[Adding a Bucket](#)

[Deleting a Bucket](#)

[Adding Replication to an Existing Bucket](#)

[Removing Replication from a Bucket](#)

[Accessing Bucket Content](#)

Overview

Existing buckets are arranged in a grid. The grid is responsive and changes shape as you resize your browser.

Using the controls in the grid, you can filter the grid contents, create new buckets, delete buckets, and add/remove replication between buckets. You can also access bucket content.

Understanding Data Replication and Constraints

One of the key bucket capabilities is the ability to replicate data from a bucket (the provider) to another (the recipient). Replication is optional.

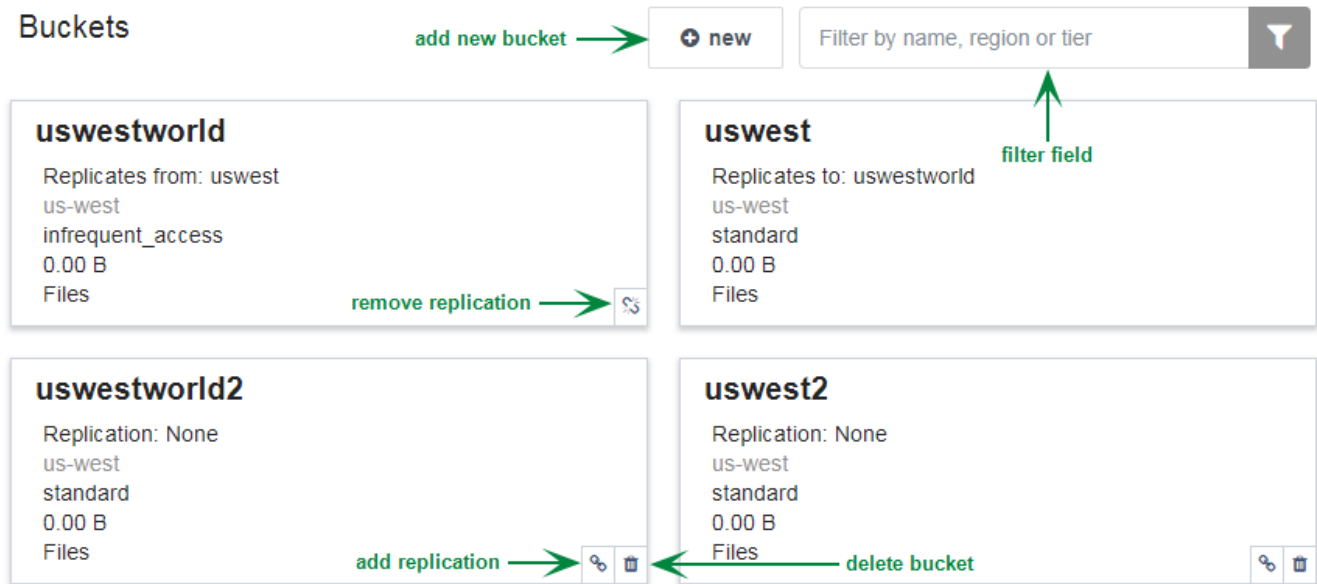
As you [add](#) and [remove](#) replication keep the following in mind:

- A bucket can be a replication recipient of at most one other bucket. A bucket that is already a recipient does not have an **add replication** icon.
- A bucket can be a replication provider to multiple buckets.
- A bucket that is a provider cannot also be a recipient from any other buckets. A bucket that is already a provider does not have any replication icons.
- A bucket that is a recipient cannot also be a provider.
- Buckets involved in replication cannot be deleted and do not have a **delete** icon.

Note: You can visually identify buckets already involved in replication by hovering your mouse over a bucket. Any buckets that are involved in replication with that bucket turn light gray.

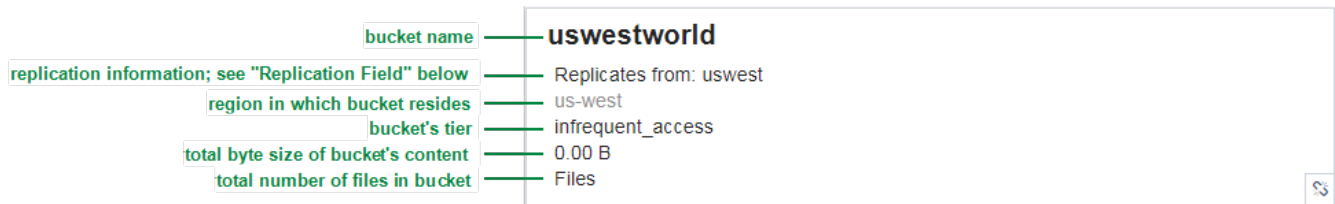
Understanding Bucket Controls

Here is a sample bucket grid showing the controls that allow you to work with buckets:



Understanding Fields Displayed in Buckets

The following screenshot explains the fields displayed in a bucket:



Replication Field

The replication field provides information about the bucket's replication involvement (if any). Possible values:

Replicates from: bucket for which this bucket is a replication recipient.

Replicates to: names of buckets for which this bucket is a replication provider.

Replication: None: bucket is not involved in any replication.

See also [Data Replication and Constraints](#).

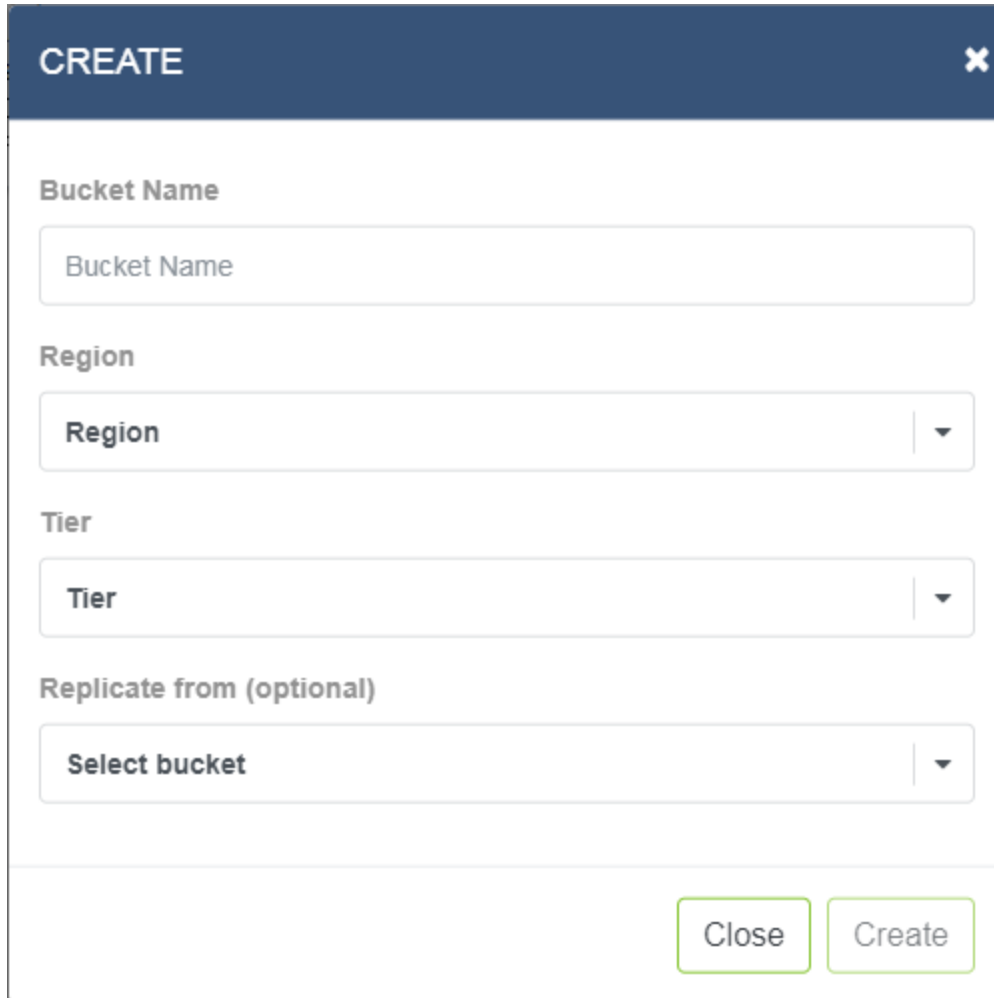
Filtering

You can filter the list of buckets by typing text in the **filter** field.

- You can filter by name, region, or tier. Wildcard characters and regular expressions are not allowed.
- The UI matches buckets as specifically as possible to your filter. As you type, the UI modifies the visible buckets to match your filter.
- Filtering is case-insensitive.

Adding a Bucket

1. Click the **new** button and enter settings in the *CREATE* dialog:



The screenshot shows a 'CREATE' dialog box with a dark blue header bar containing the word 'CREATE' and a close button (X). The dialog has four input fields: 'Bucket Name' (a text box), 'Region' (a dropdown menu), 'Tier' (a dropdown menu), and 'Replicate from (optional)' (a dropdown menu with 'Select bucket' as the placeholder). At the bottom right, there are two buttons: 'Close' and 'Create'.

2. Enter a name for the bucket; then select a region and tier.
Names must:
 - be unique
 - be 3 to 50 characters in length
 - consist only of digits, lowercase letters, and hyphens
 - start and end with a letter or number
3. Optionally select a bucket to replicate content from. (See also [Adding Bucket Replication to an Existing Bucket.](#))
4. Click the **Create** button to create the bucket and add it to the bucket grid.

Deleting a Bucket

Notes:

You cannot delete a bucket that contains content. You must first [access the bucket's contents](#) then delete the contents. See [Deleting Files](#) and [Deleting Folders](#).

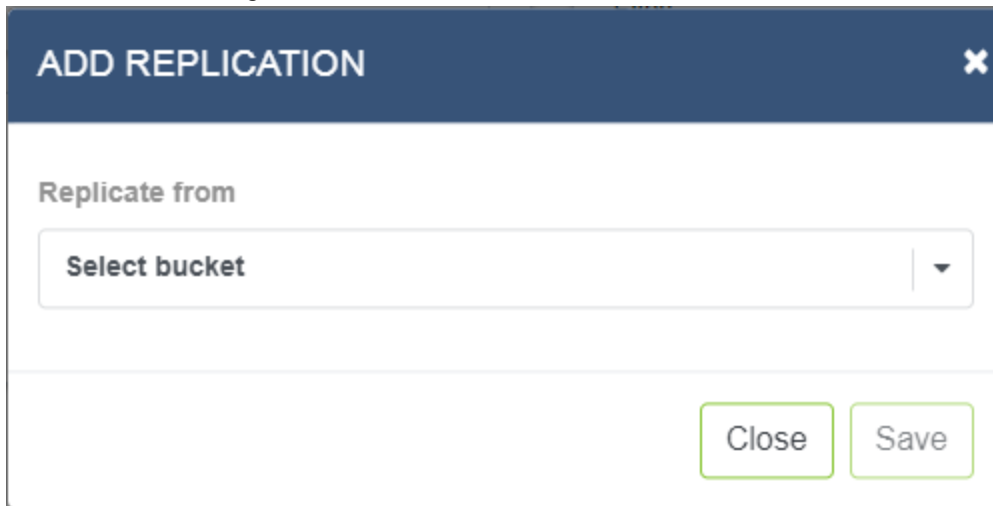
You also cannot delete a bucket that is a replication provider or recipient. To remove replication, see [Removing Replication from a Bucket](#).

1. Locate desired bucket.
2. Click the **delete** icon in the lower right corner of the bucket.
3. Click the **Delete** button in the confirmation dialog.

Adding Replication to an Existing Bucket

In addition to adding replication when you create a bucket, you can also configure replication to an existing bucket.

1. Locate the desired bucket.
2. Click the bucket's **add replication** icon and choose a bucket to be the provider of data replication in the *ADD REPLICATION* dialog:



Only buckets that are eligible to be a replication provider according to [Data Replication and Constraints](#) are available to choose from.

3. Click the **Save** button.

For additional information, see [Data Replication and Constraints](#).

Removing Replication from a Bucket

If needed you can configure a bucket to no longer be a replication recipient.

1. Locate the desired bucket.
2. Click the bucket's **remove replication** icon and click **OK** in the confirmation dialog.

For additional information, see [Data Replication and Constraints](#).

Accessing Bucket Content

To work with content in a bucket, click the bucket. The bucket workspace appears, which identifies the current bucket and provides a link to return to the bucket initial view:

The screenshot shows a web interface for managing a bucket. At the top left, there is a home icon and a 'Buckets' link. The main header area displays 'Files in bucket: bucket-1' and a green arrow points to it with the label 'current bucket'. Below this, a green arrow points to the 'Buckets' link with the label 'return to bucket initial view'. The interface includes an 'upload' button, a 'Filter by name' search bar, and a 'Delete Selected Files' button. A table lists the contents of the bucket, including a folder named 'test' and two files: 'IMG_2587.jpg' and 'fried-chicken.jpg'. The table columns are Name, Size, and Date. The 'test' folder is listed with a date of 'Apr 9, 2018'. The files are listed with sizes of '982.88 KB' and '79.17 KB' and dates of 'Apr 6, 2018'. At the bottom, there is a 'Showing: 10 25 50 100' selector and a pagination bar with 'Previous', '1', and 'Next' buttons.

Name	Size	Date
/		
test		Apr 9, 2018
IMG_2587.jpg	982.88 KB	Apr 6, 2018
fried-chicken.jpg	79.17 KB	Apr 6, 2018

Continue with information in [Navigating Content](#).

Logging Out

Click the **Welcome** link at the top right part of the Console and select **Logout**:

