

# Setting Up the Video App with Zencoder and Amazon S3



This tutorial requires advanced knowledge. We recommend you get professionals to do this if you are not at an advanced level.

The video app provided with phpFox requires a [Zencoder](#) and an [Amazon S3](#) account if you want your users to upload videos.



## Tip

The purpose of this document is to provide detailed steps to set up the Video app with Zencoder and Amazon S3 for using the video upload feature of phpFox. If you only want your users to share videos from video-sharing sites such as YouTube, Vimeo, etc, you don't need to do the following steps. All you need to do is go to the app in your AdminCP and click Enable the Videos app.

## Set up Zencoder

1. [Sign up](#) for Zencoder
2. [Login](#) at Zencoder.
3. Visit the [API section](#).
4. On this page look for your **Full Access API Keys**. It should be a 32 character alphanumeric key.
5. Copy the key and log into your phpFox AdminCP and navigate to **Apps > Videos**
6. Enter your key for the setting **Zencoder API Key**
7. Configure credentials of AWS S3 Service for Zencoder

## Account

[SUBSCRIPTION](#)[USERS](#)[CREDENTIALS](#)

### Add S3 Credentials

**Add external credentials.**

Nickname

s3

Default credentials for transfers with s3

☐

S3 Access Key ID

S3 Secret Access Key

**NOTE:** Unlike credentials sent in the [url](#), special characters should not be [percent-encoded](#).

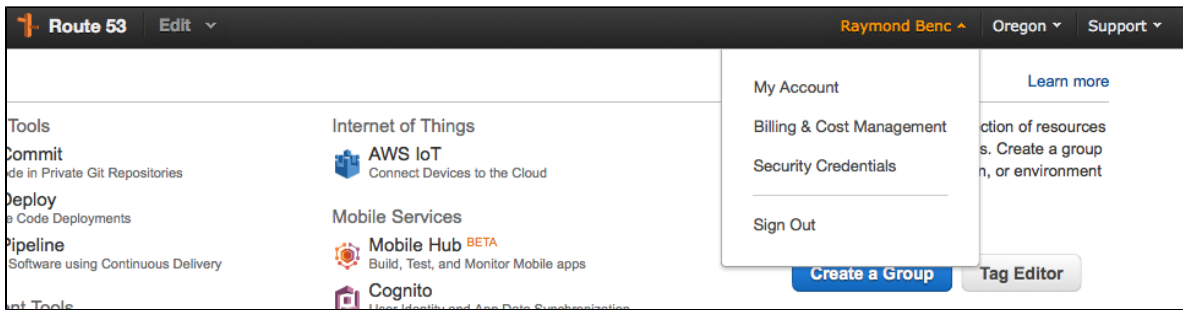
SAVE CREDENTIALS

[cancel](#)

## Set up Amazon S3 & Access Keys

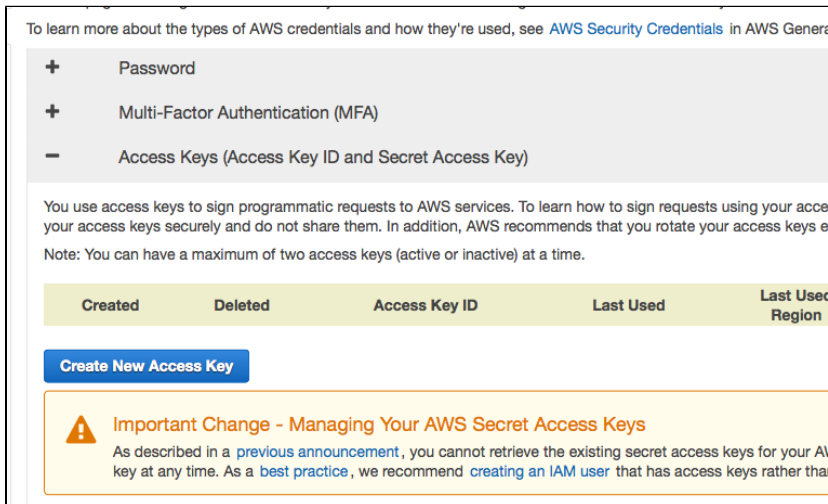
If you don't have one already, [Sign up](#) for Amazon account and then [Login](#).

Once you have logged in, visit the **Security Credentials** section.



## Amazon Access Keys

If you don't have Amazon access keys already set up, you need to click **Access Keys (Access Key ID and Secret Access Key)**, this will open up

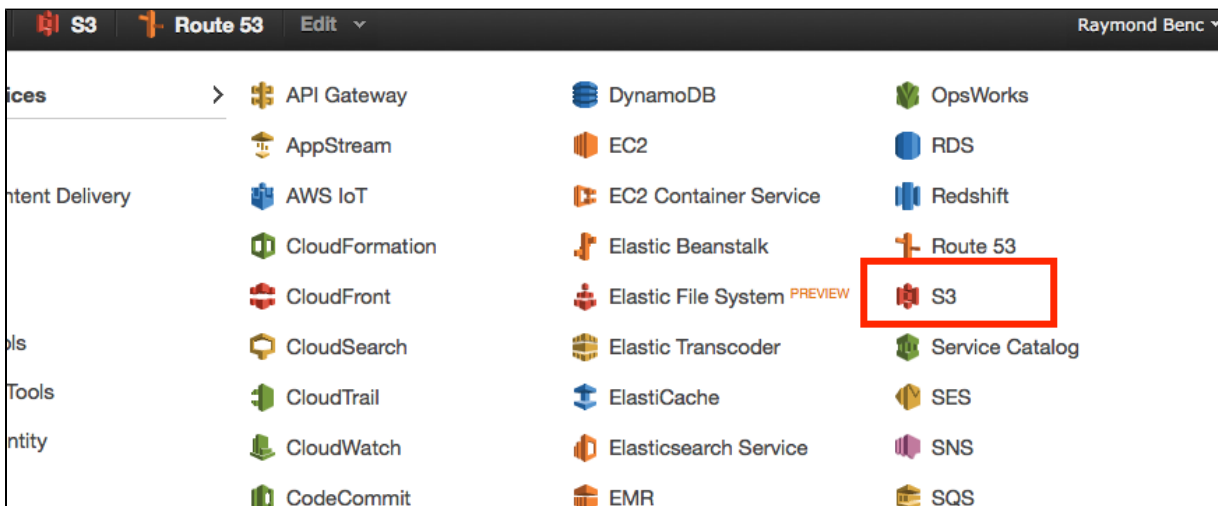


Once you click the **Create New Access Key** button, you will get a popup where you can download your access keys. You can also click on **Show Access Key**. Keep this information in a safe place.

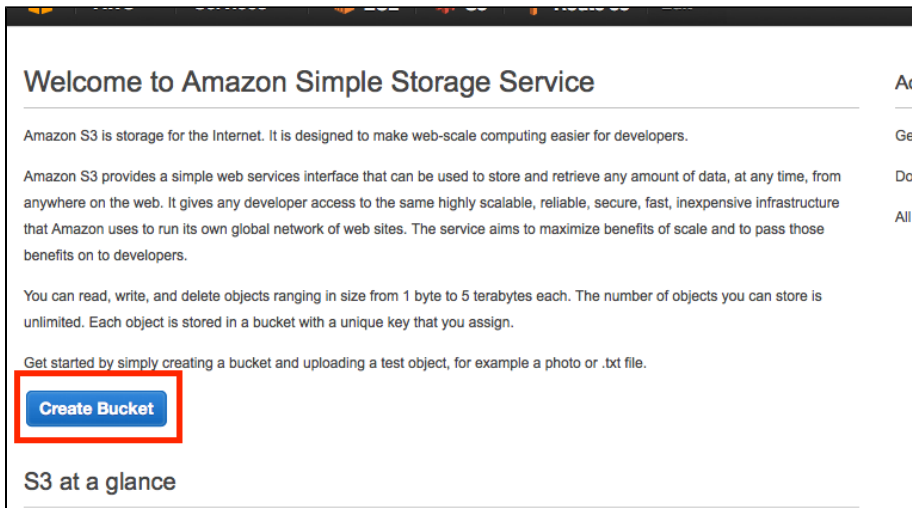
Now that you have your access keys, log into your AdminCP and navigate to **Apps > Videos** and fill out the settings **Amazon S3 Access Key** and **Amazon S3 Secret** with the new keys you created.

## Amazon S3 Bucket

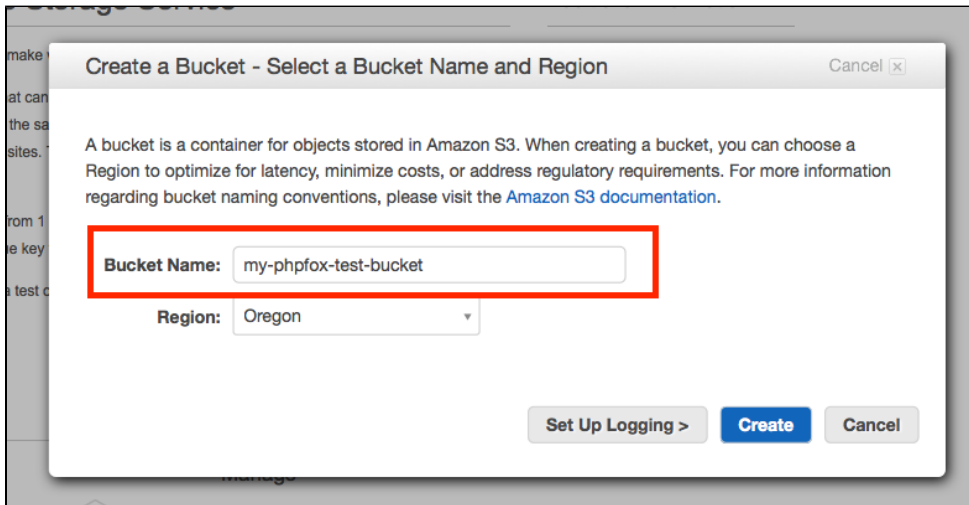
Next we need a bucket to store any videos uploaded to your site. From your [Amazon Console](#), click on **Services** and look for and click on **S3**.



If this is your first time creating a bucket, you will see a welcome back with a button to **Create Bucket**. Click on this button to get things started.



Once you have clicked this button you will get a popup where you can enter a **Bucket Name**. You need to enter something unique.



## Bucket Policy

With your bucket created you now need to give Zencoder access to your bucket so they can upload files that have been encoded. To do this click on your new bucket and then click **Properties**. Then click on **Permissions**.

None
Properties
Transfers

Bucket: phpfox-test-video

Bucket: phpfox-test-video
Region: US Standard
Creation Date: Sun Nov 29 08:28:54 GMT+100 2015
Owner: phpfox

Permissions

You can control access to the bucket and its contents using access policies. [Learn more.](#)

Grantee: phpfox
☒ List
☒ Upload/Delete
☒ View Permissions
☒ Edit Permissions

Grantee: Everyone
☒ List
☐ Upload/Delete
☐ View Permissions
☐ Edit Permissions

Add more permissions
Edit bucket policy
Add CORS Configuration

Save
Cancel

Static Website Hosting

We are looking for the **Edit bucket policy** link. Click on that to get a popup where you can enter your policy. Here is a sample policy

```
{
  "Version": "2008-10-17",
  "Id": "ZencoderBucketPolicy",
  "Statement": [
    {
      "Sid": "Stmnt1295042087538",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::395540211253:root"
      },
      "Action": [
        "s3:GetObjectAcl",
        "s3:GetObject",
        "s3:PutObjectAcl",
        "s3:PutObject",
        "s3:ListMultipartUploadParts"
      ],
      "Resource": "arn:aws:s3:::MY-BUCKET/*"
    },
    {
      "Sid": "Stmnt1295042087538",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::395540211253:root"
      },
      "Action": [
        "s3:ListBucketMultipartUploads",
        "s3:GetBucketLocation"
      ],
      "Resource": "arn:aws:s3:::MY-BUCKET"
    }
  ]
}
```

**Before Pasting:** You need to change the words **MY-BUCKET** with the name of the bucket you just created. Once you have done that paste it into the bucket policy editor and hit **Save**.

## Updating App Settings

Now that we have all the details we need to enable our app. Navigate to **Apps > Videos** and for the setting **Amazon S3 Bucket** enter the bucket name. For the setting **Provide the S3, CloudFront or Custom URL** you can enter the default S3 URL with the bucket name after it. So in this example, we created a bucket called **my-phpfox-test-bucket**, location: **US Standard**. So for the URL setting, we enter:

```
https://s3.amazonaws.com/my-phpfox-test-bucket/
```

If you select other location, please do more step to know your bucket url:

Upload a file to that bucket, click to view file detail, you will see your bucket URL.

None

Properties

Transfers

Object: 15936115.jpeg

Bucket: get-location

Name: 15936115.jpeg

Link: <https://s3-ap-southeast-2.amazonaws.com/get-location/15936115.jpeg>

Size: 82415

Last Modified: Mon Mar 14 16:42:40 GMT+700 2016

Owner: admin

ETag: e85f92cbadf30ac6aa73303fdeac2ea2

Expiry Date: None

Expiration Rule: N/A

Your bucket URL

Details

Permissions

Metadata

Now that we have all the settings in place for the setting **Video App Enabled** you can click **Yes**.