Setting Up the Video App with Zencoder and Amazon S3

A 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

Accol	Int	
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 <u>url</u> , special characters should not be <u>percent-encoded</u> .
	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.

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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

Password Multi-Factor Authentica			
Multi-Factor Authentica			
	ation (MFA)		
Access Keys (Access k	Key ID and Secret Access Key)		
cess keys to sign program s keys securely and do not an have a maximum of tw	matic requests to AWS services. To I share them. In addition, AWS recom o access keys (active or inactive) at a	earn how to sign requests inmends that you rotate you a time.	using your acce Ir access keys e
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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 Amazo n 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.

Welcome to America Simple Storage Service	
weicome to Amazon Simple Storage Service	
Amazon S3 is storage for the Internet. It is designed to make web-scale computing easier for developers.	G
Amazon S3 provides a simple web services interface that can be used to store and retrieve any amount of data, at any time, from	D
anywhere on the web. It gives any developer access to the same highly scalable, reliable, secure, fast, inexpensive infrastructure	
that Amazon uses to run its own global network of web sites. The service aims to maximize benefits of scale and to pass those	A
benefits on to developers.	
You can read, write, and delete objects ranging in size from 1 byte to 5 terabytes each. The number of objects you can store is	
unlimited. Each object is stored in a bucket with a unique key that you assign.	
Get started by simply creating a bucket and uploading a test object, for example a photo or .txt file.	
Create Bucket	
S3 at a glance	

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

Create a Bucke	t - Select a Bucket	Name a	nd Region	Cancel
A bucket is a contai Region to optimize regarding bucket na	ner for objects stored in for latency, minimize cos aming conventions, pleas	Amazon S sts, or addr se visit the	3. When creating a bucket ess regulatory requiremen Amazon S3 documentatio	t, you can choose a ts. For more informatior n.
Bucket Name:	my-phpfox-test-bucket			
Region:	Oregon	٣		

Bucket Policy

With your bucket created you know 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**.

Bucket: Region: Creation Date:	phpfox-test-video US Standard Sun Nov 29 08:28:54 G	GMT+100 2015		
 ✓ Permissi 	ons			
You can contro Grantee:	ol access to the bucket	t and its contents using acco	ess policies. Learn mor	e.
Grantoo: (Everyone	☑ List □ Upload/Delete	e 🗌 View Permissions	Edit Permission

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": "Stmt1295042087538",
     "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": "Stmt1295042087538",
     "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:



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