How To Create a Private Streaming Bucket with CrossFTP

By Rudolf Boogerman – Author of S3Media Stream for Joomla and WordPress.

Open CrossFTP and select the bucket you want to transform into a Private streaming distribution. Then right click with your mouse on that bucket to open the context menu:



and select Manage CloudFront Distributions. An empty window opens.

00		List	Distributions				
	Query Any	Delivery Method 🛟	Any Status 🛟	orpressvids	Search		
Delivery Method	Domain Name	Comments	Origin		Status	Enabled	Last Modified
	-		\frown		_		
	C	lew Delete (Edit Refr	resh Clo	se		11.

Click the button *New* at the bottom of the window.

This opens the Distribution window:

00	Distribution
	General Private Content
Main	
🗹 Enable Amazo	on CloudFront Distribution
Delivery Metho	d 💿 Streaming 🔘 Download
Origi	n worpress-tutorials.s3.amazonaws.com
Comment	s 5/15/11 5:03 PM
CNAM	E

Make sure you tick the *Enable Amazon CloudFront Distribution* box if it is not ticked already. For *Delivery Method*, select *Streaming*.

If you change your mind about which bucket to transform, you can switch to another bucket in the **Origin** drop-down list:

🗹 Enable Amazon	CloudFront Distribution
Delivery Method	💿 Streaming 🔘 Download
Origin	worpress-tutorials.s3.amazonaws.com
Comments	wordpress-tutorial.s3.amazonaws.com wordpress-video.s3.amazonaws.com
CNAME	wordpress21.s3.amazonaws.com wordpress21century.s3.amazonaws.com wordpressmovies.s3.amazonaws.com
	 ✓ worpress-tutorials.s3.amazonaws.com worpressvids.s3.amazonaws.com wp21century.s3.amazonaws.com H11PS Connections Only (H11PS price is different)
Default root object	e.g., index.htm

Otherwise, leave it as is. Now select the *Private Content* tab at the top:

00	Di	stribution	
	General	Private Content	

The following dialog box opens:

000	Distribution
	General Private Content
Criginal A	Private Distribution
ID	•
S3 Cano	nical User ID
Comme	nt
Trusted S	igners
Add	l Myself as a Trusted Signer
+	
	OK Cancel

Tick the box *Enable Private Distribution*. CrossFTP will fill in couple of fields automatically when you do that:

0 0		Distribution
	Gener	al Private Content
	✓ Enable Private Distrib Original Access Identity	ution
	ID	E2JSMEJJNKEEG9
	S3 Canonical User ID	0ba9dc51c6ea195f963a6d855
	Comment	
	Trusted Signers	rusted Signer
	+ -	
	0	K Cancel

Now, tick **Add Myself as a Trusted Signer** and press **OK** at the bottom.

The private streaming distribution is now in progress. It takes about 10 minutes before the distribution is active. You can see its status in the window that opened when you clicked **OK**.

00		List	t Distributions				
	Query Any Delivery	Method 🛟	Any Status 🛟	ss-tutorials	Search		
Delivery Method	Domain Name	Comments	Origin		Status	Enabled	Last Modified
	s3393neu31aw8d.cloudfront				InProgress		5/15/11 5:0
	New	Delete (Edit Ref	resh Clo	se		

As long as the *Status* is *InProgress*, the distribution is not ready yet. Use the *Refresh* button at the bottom to check the status after 10 minutes or so.

Note that in this stage, the tick-box *Enabled* is not ticked. When the Status is *Deployed* (see screen shot below) the tick-box is automatically ticked:

00		List Distrib	utions			
	Query Any Delivery	Method 🛟 🛛 Any St	tatus 🗘 ss-tutorials (Search		
Delivery Method	Domain Name	Comments	Origin	Status	Enabled	Last Modified
Streaming	s3393neu31aw8d.cloudfront		worpress-tutorials.s3.ama	Deployed		5/15/11 5:0
	New	Delete Edit	Refresh Close	\supset		1.

Click the *Close* button at the bottom. We return now to the bucket list. Select again the bucket you are working with, and right click with the mouse button to open the context menu again:

🎯 wordpress-	video		4/12/11
🔗 worpress-* 🞯 worpressvi	itorials _{Is} Tab	÷	4/12/11 4/12/11
豰 wp21centu	Transfer/Copy Queue Queue to	F5 (1)₩E (06)	4/12/11 (1 Idle(s)]
l Remaining	URL Search Web "worpress" PRO Search	жU	R
-	New Refresh Rename Delete Roo Move to	▶ 策R F2 企区	
	PRO Synchronized Browsing Mount External Bucket ACL Setting Log Setting		

Select A*CL settings*. You will see a dialog box with the permission attributes of your bucket. This should include a fifth attribute, namely the *CloudFront Origin Access Identity*, to use an expensive word:

		Pro	operties		
	Genera	I PE	O Advanced	S3	
Basics	_				
	3	worpr	ress-tutorials	5	
	Type:	Direct	tory		
	Path:	/ 0h			_
	ast Modified:	4/12/	11 2:09 PM		_
-	S3 Location	US Sta	andard		-
	55 Location.	05 50	andard		
Attributes					
	Full Control Re	ad	Write	Read ACP	Write ACP
Owner(ra					
Public					ă II
Log Deliv					
Cloud Fro					
				v changes t	o subfolders
Ţ				ly changes t	o subioliders
				L	PRO Commit

CloudFront Origin Access Identity should be set to *Read*, like this:

	Funcontrol	Read	Write	Read ACP	Write ACP
Owner(ra	\checkmark	\checkmark	\checkmark	\checkmark	
Authentic					
Public					
Log Deliv					
Cloud Fro		\checkmark			
+	-		🗹 Арр	ly changes t	o subfolde

Also tick **Apply changes to subfolders**. Finally, click **Commit** to apply the change. Your bucket is now ready for private streaming.

You can upload your media and protect them using the signed URL feature from S3 Amazon in combination with streaming.