Mobile Apps Ads.txt Lambda Function Specifications

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**Environment Variables for all 3:**

data\_access\_key - AKIAIIJUEWN2Q2ZZRWCQ

data\_secret\_access\_key - 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

region - us-east-1

s3\_bucket\_name - thetradedesk-groupbucket

**File\_split\_lambda**

Purpose: This lambda function accesses the data files located in the bucket of our 3rd party provider 42matters and downloads it from there in chunks to a TTD owned S3 bucket.

Function Runtime: 5 minutes with chaining to itself. If it reaches time limit without having downloaded all the data, it will call itself and start at the most recent checkpoint in datafile.

Memory: 1024 MB (Can be increased to download data faster)

Concurrency: 5

Function Handler: Included in zip file - lambda\_function.file\_split\_lambda\_handler

Function Triggers: Cloudwatch Events trigger (function is written in test account so you can view the triggers there)

Permissions: This accesses our S3 buckets and 42matters data bucket (accessed via AWS keys)

**File\_process\_lambda**

Purpose: This lambda function processes a small data file and writes that information into the corresponding DynamoDB table

Function Runtime: Average is about 100 seconds, but there is a large variance so I set it to 5 minutes

Memory: 256 MB

Function Handler: Included in zip file - lambda\_function.process\_into\_dynamo\_lambda\_handler

Permissions: Access to our S3 buckets and DynamoDB tables

**Text\_file\_write\_lambda**

Purpose: Outputs the items in a DynamoDB file to a text file stored in S3

**Function Runtime: 3 minutes**

**Memory: 512 MB**

Function Handler: Included in zip file - lambda\_function.text\_file\_write\_lambda\_handler

Permissions: Access to our S3 buckets and DynamoDB Tables