Redeploying with Development UI - Data Migration Process Instructions

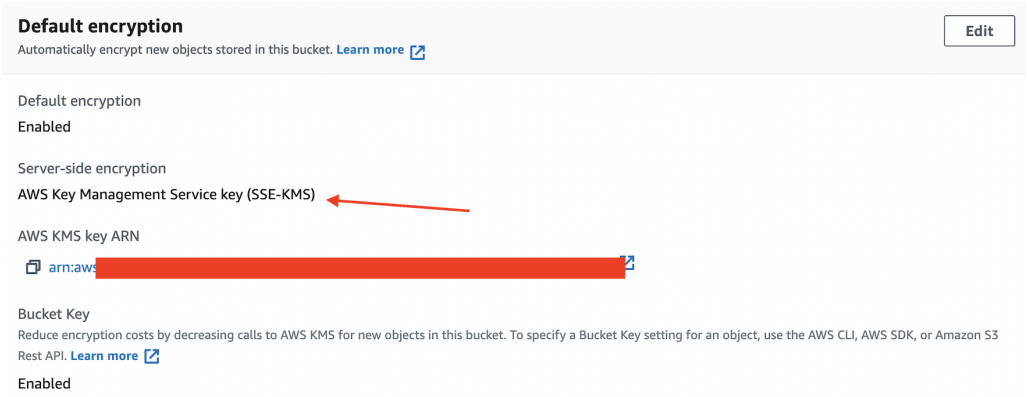
For those advertisers who have onboarded to Private Computation products and would now like to redeploy with the Deployment UI, please read and follow the instructions detailed below. These instructions apply, when an advertiser, after first onboarding where their data is ingested into a data bucket, would then like to redeploy, where the new data will be ingested into a new, separate data bucket created by the Deployment UI. In order to query the data that is in the initial data bucket, the advertiser will need to go through the data migration process detailed in these instructions.

Note:

- The “old data bucket” is the bucket created before. In this doc, the name for this old data bucket is “fb-pc-data-<OLD TAG>”.
- The “new data bucket” is the bucket created by the Deployment UI. In this doc, the name for the new data bucket is “fb-pc-data-<NEW TAG>”.
- The goal is to move the data from the “old data bucket” (fb-pc-data-<OLD TAG>) to the “new data bucket” (fb-pc-data-<NEW TAG>).
- **DO NOT** undeploy any resources before the data migration is done.

Case 1: If you are NOT using the AWS credentials generated with policy fb-pc-policy-<TAG>,

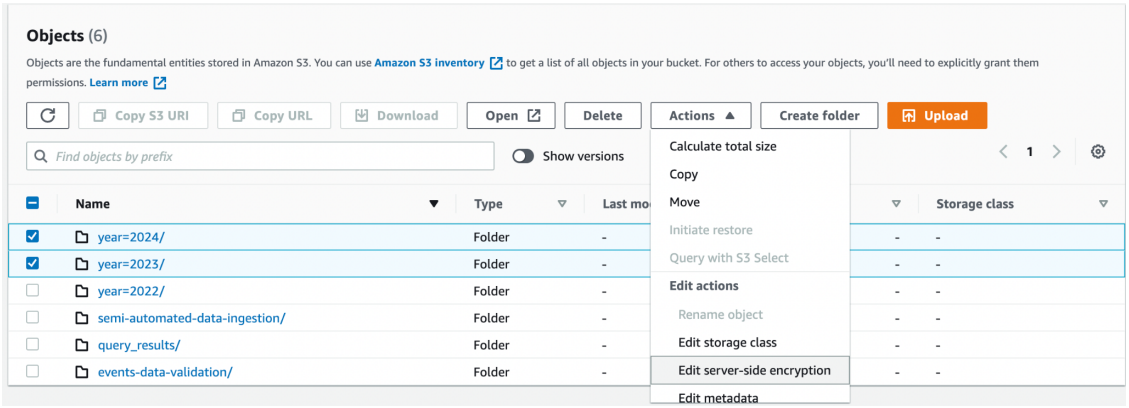
1. After the deployment with the Deployment UI is done, wait at least 15 mins. This is to allow the leftover data to be ingested to the old data bucket (fb-pc-data-<OLD TAG>).
2. Check if the SSE-KMS type encryption is enabled on the old data bucket (fb-pc-data-<OLD TAG>).
    a. Go to the bucket and click the “Properties” tab.
    b. Scroll to the “Default encryption” section, and if the SSE-KMS encryption is enabled, it should look like this:



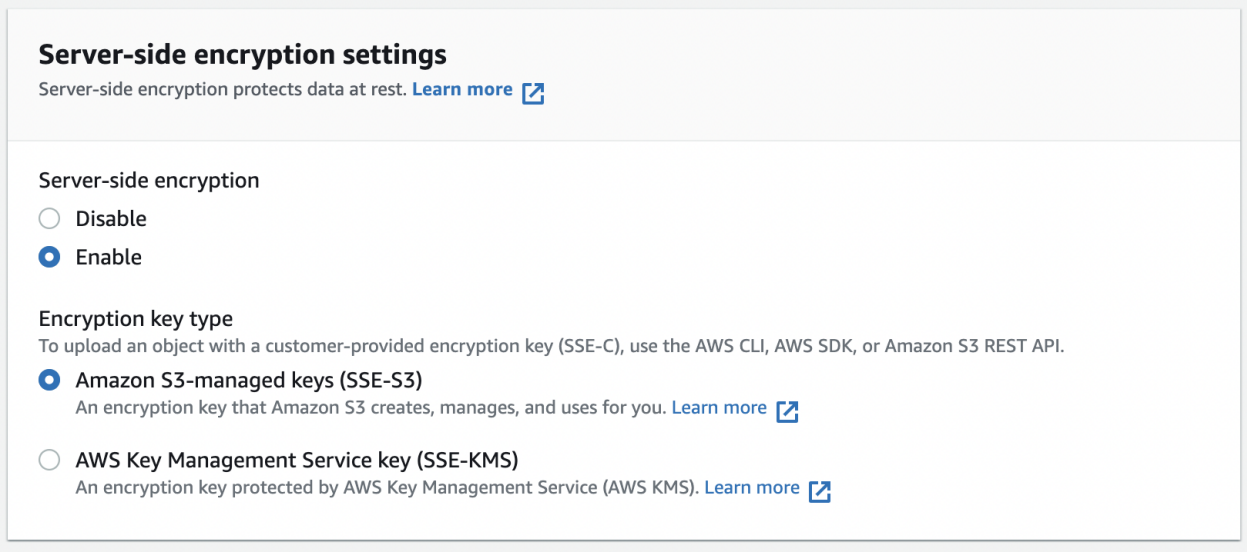
c. If the SSE-KMS is enabled, you have to do step 3 to change the encryption type.

3. Edit server-side encryption (Only do this step if you verified it's SSE-KMS in step 2). In the old data bucket (fb-pc-data-<OLD TAG>), select all the folders with name matches "year=<YEAR>/". For example, "year=2022/", "year=2021/", etc.

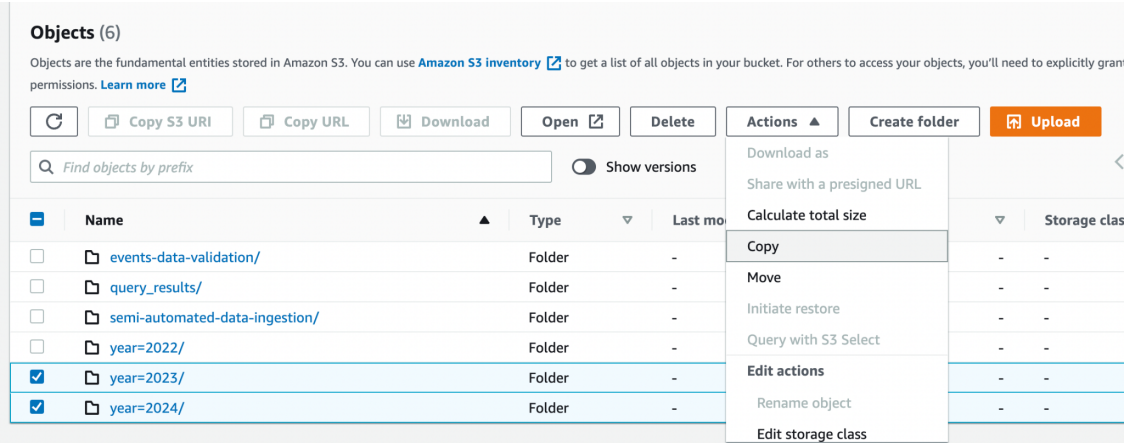
   a. Click the "Edit server-side encryption" button under the "Actions" dropdown list.



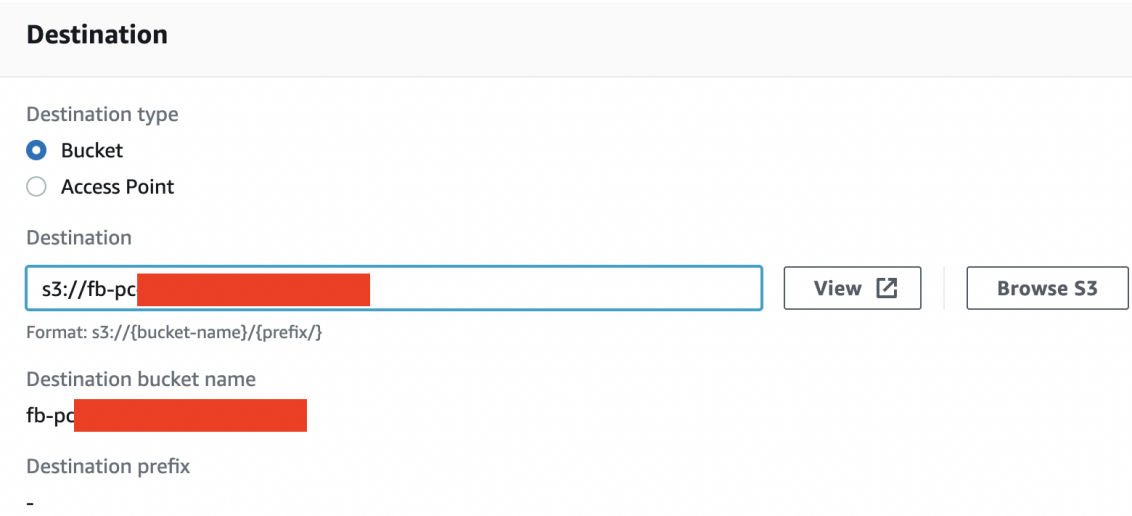
   b. Change it to the "SSE-S3" type and click "Save changes".



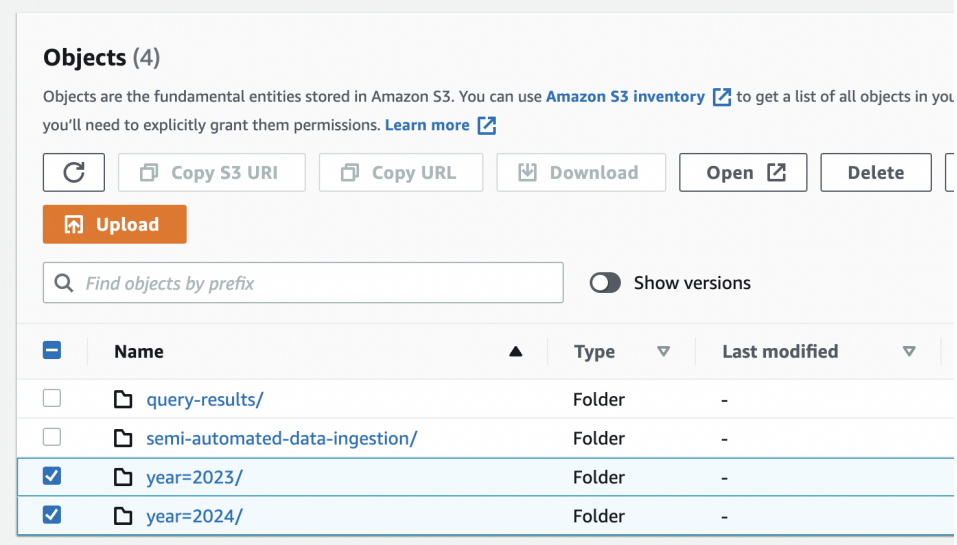
4. Copy the folders. In the old data bucket (fb-pc-data-<OLD TAG>), select all the folders with name matches “year=<YEAR>/”. For example, “year=2022/”, “year=2021/”, etc.
    a. Click the “Copy” button under the “Actions” dropdown list.



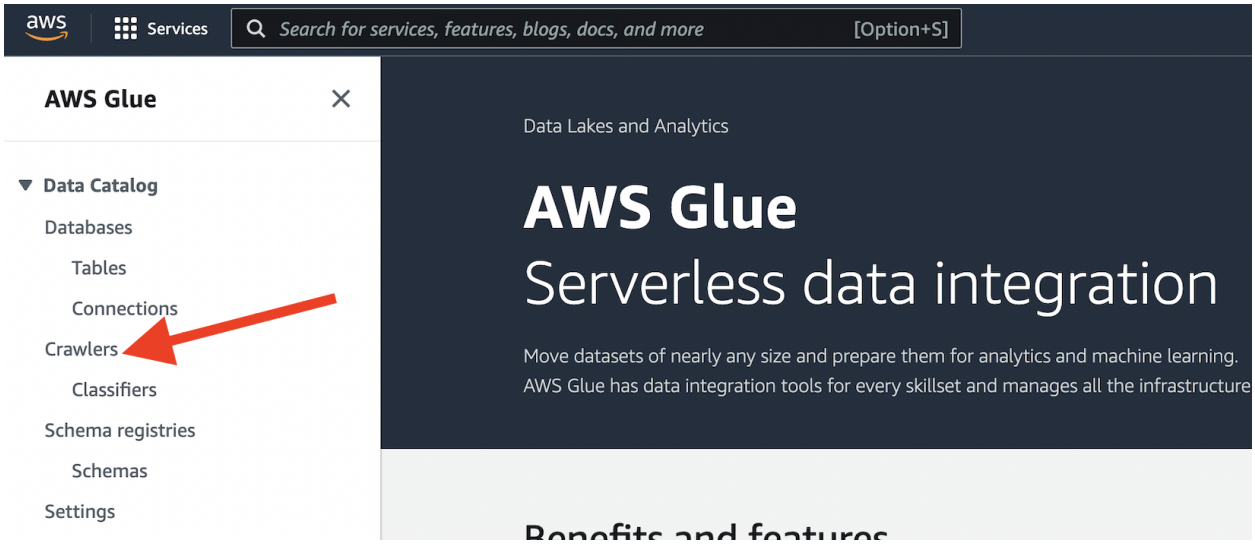
    b. Copy them to the new data bucket (fb-pc-data-<NEW TAG>) by choosing the new data bucket in the “Destination”, and click the “Copy” button.



5. Check the copied folders are showing in the new data bucket (fb-pc-data-<NEW TAG>).

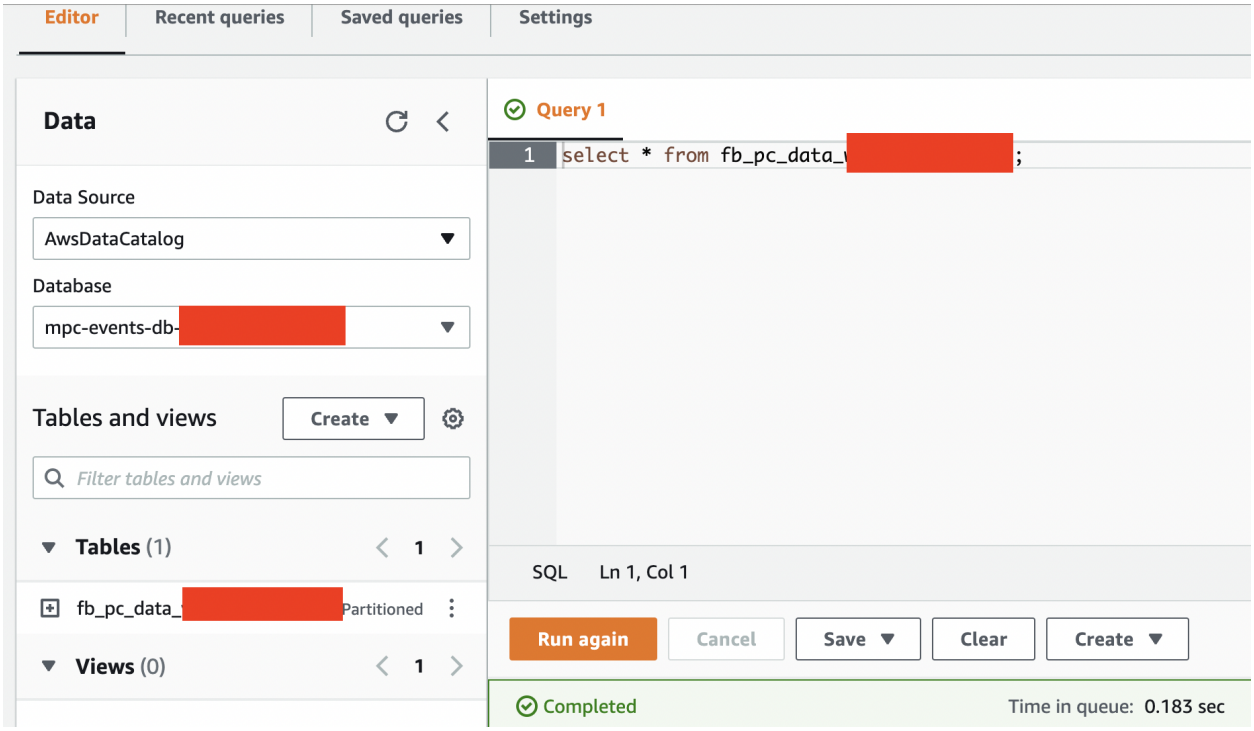


6. Run the Glue crawler.
    a. Go to AWS Glue and click the “Crawlers” on the left side.



   b. Find the crawler with the name “mpc-events-crawler-<NEW TAG>”.
   c. Click “Run Crawler”.
   d. Wait until the crawler finishes.

7. Verify the data can be queried in Athena.
   a. Go to AWS Athena.
   b. Choose the database “mpc-events-db-<NEW TAG>”.
   c. A table with the name “fb_pc_data_<NEW TAG WITH UNDERSCORE>” should show up in the “Tables” section.
   d. Run a simple query.



Case 2: If you are using the AWS credentials generated with policy fb-pc-policy-<OLD TAG>,

1. After the deployment with the Deployment UI is done, attach the new policy fb-pc-policy-<NEW TAG> as soon as possible.
2. Follow step 2 to step 7 in “case 1”.