Snowflake Snowpipe with AWS S3 – AWS SQS

Reference: <https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html>

* [Configuring Secure Access to Cloud Storage](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#configuring-secure-access-to-cloud-storage)
  + [Step 1: Configure Access Permissions for the S3 Bucket](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-1-configure-access-permissions-for-the-s3-bucket)
  + [Step 2: Create the IAM Role in AWS](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-2-create-the-iam-role-in-aws)
  + [Step 3: Create a Cloud Storage Integration in Snowflake](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-3-create-a-cloud-storage-integration-in-snowflake)
  + [Step 4: Retrieve the AWS IAM User for your Snowflake Account](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-4-retrieve-the-aws-iam-user-for-your-snowflake-account)
  + [Step 5: Grant the IAM User Permissions to Access Bucket Objects](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-5-grant-the-iam-user-permissions-to-access-bucket-objects)
* [Determining the Correct Option](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#determining-the-correct-option)
* [Option 1: Creating a New S3 Event Notification to Automate Snowpipe](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#option-1-creating-a-new-s3-event-notification-to-automate-snowpipe)
  + [Step 1: Create a Stage (If Needed)](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-1-create-a-stage-if-needed)

For all the steps till this, refer <https://github.com/hihisuresh/AWS-S3-External-Stage-For-Snowflake>

[Step 2: Create a Pipe with Auto-Ingest Enabled](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-2-create-a-pipe-with-auto-ingest-enabled)

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* + [Step 3: Configure Security](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-3-configure-security)
  + [Step 4: Configure Event Notifications](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-4-configure-event-notifications)

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* + [Step 5: Load Historical Files](https://docs.snowflake.com/en/user-guide/data-load-snowpipe-auto-s3.html#step-5-load-historical-files)
  + Step6 : Auto ingestion

Upload a file to S3 bucket

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