



Incremental Data Processing Architecture

## Project Assignment: Building an Incremental Data Processing Pipeline with AWS

1. s3 bucket - incrementaldataprocessing
2. Event bridge notification is enabled
3. Event bridge rule (**incrementalDataProcessing**) is defined that captures the events - create file/upload file to s3 bucket
4. The event triggers step function (**incrementalDataProcecssing**) which in turn invokes lambda function(**incrementalDataProcessing**)
5. Function interacts with redshift with the help of library pg8000 to perform upsert operation using merge.
6. python scrip (`generate_dummy_data.py`) generates the transactions file