

IAM: To manage access control.

CloudWatch: For monitoring and logging.



Databases

Boto3 module and
python scripts



S3:

To store historical
and
real-time air quality data.
The S3 bucket is used to store
the OpenAQ air quality data.

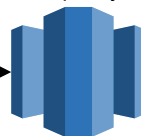
Lambda: For data processing,
and ETL.



Glue: For data quality checks



Redshift is used
as the data mart
to store and analyze
the air quality data.



AWS Glue: AWS Glue is used to extract,
transform, and
load (ETL) the data from the S3 bucket into Redshift.
Transformation done as per
client requirements.
And for business analysis.



SNS: To receive real-time updates.