

## Duration

- 2 Weeks (time-boxed)

## Activities & Tasks

- OneTeam unified kickoff call to gather application requirements, ingestion and consumption patterns
- Validate Schema/Table Design including sort keys, distribution keys, encoding, etc.
- Identify the top resource consuming queries and validate the appropriate usage
- Identify the existing maintenance procedures including vacuuming, analyzing, etc.
- Recommend “Best Practices” for Ingestion, Storage, Processing and Consumption
- Validate and recommend optimizations for ETL/ETL and BI tools that interact with Redshift
- Identify performance bottlenecks for the existing Redshift system
- Identify resource consumption patterns for optimizing concurrency and Workload Management Queues
- Validate existing monitoring tools/mechanisms and provide recommendations
- Identify Logging and Auditing requirements and validate the existing setup
- Identify and assess security, access controls and governance

## Outcomes/Deliverables

- Documented recommendations to optimize and tune Redshift for the targeted Applications (including architectural changes that may be necessary)
- Provide a plan to implement the recommendations and go-forward assistance

## Assumptions

- NorthBay’s remote team is granted access to system tables in Redshift
- NorthBay’s remote team is granted access to AWS account read-only permissions for checking Redshift settings
- NorthBay’s remote team is granted access to documentation/tools that are used for ingestion/consumption

## About NorthBay

NorthBay is an AWS Advanced Consulting Partner. Our intense focus is unparalleled in the areas of Big Data, Data Lakes and Enterprise Data Warehouse Solutions.

## Key Statistics

- Big Data Competency, Mobile Competency and Education Competency
- 200+ customers
- 300+ solutions developed
- First AWS partner WW to achieve the Certified AWS Big Data Competency

## Certifications/Expertise

- S3
- Redshift
- Redshift Spectrum
- EMR w/ Spark
- DynamoDB
- Kinesis
- Lambda
- Athena
- Glue
- ML



## NorthBay

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