



6 WEEKS

# Modern Data Warehouse via Data Lake with Amazon Redshift Jumpstart

A 6-week set of packaged professional services to help AWS customers prove-out, pilot, and accelerate their cloud data warehouse initiatives. The Jumpstart Bundle includes: Needs Assessment, Capacity Planning, Environment Setup and Deployment, Data Modeling and Loading, Report Migration, Training and Knowledge Transfer

## What You Get

- Selection of Modern Data Warehouse via Data Lake Pilot Use Case (fits into the 6-week window)
- Implementation of agreed upon use case from ingestion to consumption in a Development environment
- Tactical Plan to Operation
- Foundations of the Data Lake Reference Architecture for your enterprise that includes Amazon Simple Storage Service (S3) & Amazon Redshift
- "NorthBay Data Lake Toolkit" (Code snippets, Accelerator Scripts and Libraries)
- Validate/Suggest Ingestion, Transformation, and Reporting platforms and tips on identifying gaps
- Visualization/Reporting connected via Amazon QuickSight, Tableau or Looker
- Catalog, ability to search and visualize the datasets in the Data Lake
- Strategy Consulting with stakeholders for medium and long term data platform and analytics needs
- Roadmap for subsequent use case implementations

## AWS Managed Service Included

- Ingestion & Storage - Amazon S3 for Raw File/Object Storage and enhanced (if applicable)
- Data Warehousing - Amazon Redshift
- Transformation - Basic transformations with EMR/Matillion
- Analytics/Visualization - Amazon QuickSight
- Orchestration - Data Pipeline/step functions
- Monitoring - Amazon CloudWatch
- Metadata & Data Lake
- Data Catalog - Amazon DynamoDB
- Exploration - Exploration/visualization with Elasticsearch/Kibana
- Governance and Access - IAM (if applicable)
- Automation - AWS CloudFormation
- Microservices - Amazon API Gateway & AWS Lambda (if applicable)

\*\*The JumpStart package configuration is based on this specific set of AWS Cloud Tools and Data Source attributes. If changes are required in the services or data sources NorthBay will gladly consult with client to reconfigure the package, services and pricing to their unique requirements.

\*\*\*NorthBay will provide the client with preparatory tasks that need to be completed before the start of the Jumpstart to ensure it launches correctly.

## Schedule

### Weeks 1-3

- Gather requirements and validate with stakeholders
- Identify and characterize the data sources involved in the exercise
- Finalize ETL or Amazon EMR solution for ingesting the data into Amazon Redshift
- Work on the end results and determine how the collected data appears when viewing the results

### Weeks 3-5

- Complete the technical design and leverage the NorthBay Data Lake Toolkit
- Implement the data collection (ETL / Amazon EMR)
- Iterate based on what the real data delivers
- Build BI/Portal front-end using Amazon QuickSight, Tableau or Looker

### Weeks 5-6

- Demonstrate results and iterate
- Final delivery of JumpStart solution

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## Customer Ready Solutions

Discover secure, scalable solutions that help you achieve your business needs through a combination of AWS services and APN Partners that have attained AWS Competency designations. Based on architectures validated by AWS to accelerate your cloud transformation, you can deploy solutions quickly with AWS Quick Starts and optional Jumpstart consulting offers provided by APN Partners.

[Visit Data Warehouse Modernization on AWS.](#)