

**Introduction to Amazon Redshift**

**Course Number:** ARS-100  
**Duration:** 2 days

**Overview**

This Amazon Redshift training prepares attendees for success with the Amazon Redshift data warehouse in the AWS cloud. Students learn the benefits of Redshift and how Redshift compares to other analytics tools, as well as the fundamentals of Redshift, including data loading, data distribution, and tuning query performance.

**Prerequisites**

No prior experience is required.

**Materials**

All Amazon Redshift training students receive comprehensive courseware in electronic format.

**Software Needed on Each Student PC**

Internet access via Firefox, Chrome, or Microsoft Edge is required in order to access the remote environment used for this training.

**Objectives**

* Create an AWS account
* Create a Redshift Cluster
* Configure SQL Workbench
* Load data into S3
* Load data into a Redshift Cluster
* Query a Redshift Cluster
* Connect with and use Tableau

**Outline**

* Introduction
  + What Is A Data Warehouse?
  + Shortcomings Of Self-Owned Data Warehouses
  + Benefits Of A Public Cloud Data Warehouse
  + Benefits Of Redshift
  + How Companies Use Redshift
  + Third Party Visualization Tools Overview
  + How Redshift Compares To Other Analytics Tools
  + How To Use The Working Files
* Redshift Basics
  + Architecture
  + Data Loading
  + Data Distribution Concepts
  + Basic Redshift Usage
* Advanced Topics
  + Data Loading Best Practices
  + Tuning Query Performance
* Conclusion