
Curriculum

Syllabus of Snowflake Online Training Course

Module 1: Cloud Data Warehousing

- 1. Data warehousing: past to present
- 2. Understanding the benefits of a cloud data warehouse
- 3. Recognizing where cloud data warehousing fits in today's economy

Module 2: Why the Modern Data Warehouse Emerged

- 1. Adapting to increasing demands for data access and analytics
- 2. Adjusting to how data is created and used today
- 3. Tackling the challenges with new and improved technologies

Module 3: Selecting A Modern Data Warehouse

- 1. Choosing the right data warehouse solution
- 2. Getting a high performance-to-price ratio
- 3. Making data security and protection a priority

Module 4: Comparing Cloud Data Warehouse Solutions

- 1. Evaluating differences between cloud data warehouse options
- 2. Considering factors that affect performance
- 3. Choosing a solution that ensures data protection and security
- 4. Gauging your savings in administrative costs
- 5. Listing your data warehouse needs and success criteria
- 6. Considering all factors in the total cost of ownership
- 7. Taking your data warehouse for a test drive before you buy

Module 5: Introduction and Connecting To Snowflake

- 1. Downloading / Integrating the JDBC Driver
- 2. Configuring and Using the JDBC Driver
- 3. JDBC Driver Diagnostic Service
- 4. ODBC Driver
- 5. Downloading the ODBC Driver
- 6. Installing and Configuring the ODBC Driver for Windows
- 7. ODBC Configuration and Connection Parameters
- 8. ODBC Driver API Support
- 9. ODBC Driver Diagnostic Service
- 10. Client Considerations
- 11. Diagnosing Common Connectivity Issues

Module 6: Loading / Unloading Data Into/From Snowflake

- 1. Overview of Data Loading/Unloading
- 2. Data Loading/Unloading Considerations
- 3. Preparing to Load/Unload Data
- 4. Bulk Loading/Unloading from a Local File System
- 5. Bulk Loading/Unloading from Amazon S3
- 6. Bulk Loading /Unloading from Microsoft Azure
- 7. Loading Continuously Using Snow pipe
- 8. Loading Using the Web Interface (Limited)
- 9. Querying Data in Staged Files

- 10. Querying Metadata for Staged Files
- 11. Transforming Data During a Load



Module 7: Using and Sharing Data In Snowflake

- 1. Using the Web Interface
- 2. Virtual Warehouses
- 3. Databases, Tables & Views
- 4. Queries
- 5. Date & Time Data
- 6. Semi-structured Data
- 7. Binary Data
- 8. Snowflake Time Travel & Fail-safe
- 9. Introduction to Data Sharing
- 10. Data Providers
- 11. Getting Started with Data Sharing
- 12. Working with Shares
- 13. Using Secure Objects to Control Data Access
- 14. Managing Reader Accounts
- 15. Configuring a Reader Account
- 16. Data Consumers
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Module 8: Managing Your Snowflake Account

- 1. System Usage & Billing
- 2. Understanding Snowflake Credit and Storage Usage
- 3. Understanding Snowflake Data Transfer Billing
- 4. Monitoring Account-level Credit and Storage Usage
- 5. Working with Resource Monitors
- 6. Parameter Management
- 7. User Management

Module 9: Customer Concepts

- Introduction to Snowflake Connector
- Snowflake Connector Task and Object Types
- Snowflake Connections
- Snowflake Connection Properties
- Rules and Guidelines for Snowflake objects