# SNOWFLAKE PARTNER TECHNICAL FOUNDATIONS

SNOWFLAKE ON-DEMAND TRAINING

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## **KEY BENEFITS**

- Flexibility to learn at your own pace and schedule
- Ability to access content and learning materials on an unlimited basis and from just about anywhere during the Term

## **ACQUIRED SKILLS**

- Outline the unique and differentiated architecture of the Snowflake AI Data Cloud.
- Load and transform data.
- Summarize query constructs, DDL, and DML operations.
- Use Snowflake's extensive SQL capabilities for data analysis.
- Describe how user and application access can be easily managed.
- Apply Snowflake-recommended best practices for working with semi-structured data.
- Discuss Snowflake's unique approach to caching.
- Implement the options provided to connect and interact with the Snowflake AI Data Cloud.
- Employ Snowflake's continuous data protection features.
- Utilize data sharing to send your data in real-time to Customers and Partners.
- Scale your virtual warehouses to improve performance and address concurrency needs.
- Explain the different ways you can manage and monitor your Snowflake account.
- Summarize Snowflake's AI and ML capabilities.

### WHO SHOULD ATTEND

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### **Overview and Architecture**

- Overview
- Snowflake Structure
- Using Snowsight
- Storage Layer
- Compute Layer
- Cloud Services Layer
- Snowgrid

#### **Connecting to Snowflake**

- Connection Options
- SnowSQL
- Visualizations in Snowsight

#### **Data Protection Features**

- Cloning
- Time Travel
- Fail-safe
- Introduction to Replication

### **SQL Support in Snowflake**

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#### **Query Performance**

- Using Explain
- Query Profile
- SQL Performance Tips

#### **Data Loading and Unloading**

- Data Loading Objects
- Data Loading Process
- Transformations and Copy Options
- Data Loading Recommendations
- Continuous Data Loading
- Unloading Data

#### **Functions, Procedures, and Snowflake Scripting**

- User-defined Functions
- Stored Procedures
- Snowflake Scripting

#### Using Tasks, Streams, and Dynamic Tables

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## **Access Control and User Management**

- Concepts
- Types of Roles
- Ownership
- View Grants

#### **Semi-structured Data**

- Overview
- Query Semi-structured Data

#### **Introduction to Data Sharing**

- Snowflake Data Sharing Overview
- Shares

#### **Virtual Warehouse Scaling**

- Types of Virtual Warehouse Scaling
- Auto-scaling Policies

#### **Cost Management**

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