



# SNOWFLAKE ADVANCED

3-DAY COURSE

20H05

## OVERVIEW

This 3-day course covers advanced Data Movement, Performance, Security, Agile Development and Data Sharing design considerations and best practices in the Snowflake Platform. This advanced course will consist of lectures, demos and labs.

## ACQUIRED SKILLS

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- Evaluate Snowflakes advanced architectural concepts
- Discuss various ingestion methods for streaming data
- Design a comprehensive program ensuring user, network & data integrity
- Employ strategies and best practices for agile development
- Develop a methodology for performance tuning
- Share data in or outside of your organization securely

## WHO SHOULD ATTEND

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- Data Analysts
- Data Engineers
- Data Scientists
- Database Architects
- Database Administrators

## PREREQUISITES

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Snowflake Fundamentals

## DELIVERY FORMAT

Instructor-led Public or Private classes are available

## TOPICS COVERED

### Advanced Architecture

- Technical deep dive of three-tiered architecture
- Connector and APIs for applications (Python)

### Ingesting and Streaming Data

- Snowpipe
- Streaming & Tasks

### Managing Security

- Data Encryption & Network Security
- User and Application Authentication
- Designing a Role Hierarchy
- Advanced Snowflake Account Security Features

### Agile Development & Continuous Data Protection

- Continuous Data Protection
- Agile Development use cases & best practices

### Data Sharing

- Data Providers and Consumers
- Sharing outside your organization
- Sharing within your organization

### Advanced Performance Tuning

- Designing Tables for High Performance
- Designing High-Performance Queries
- Advanced Performance Tuning
- Query Profile Optimization
- Data Clustering
- Materialized Views
- Monitoring