

Course : Snowflake Advanced (ILT-ADV)

Official Course: Preparation for SnowPro Advanced Certifications

Practical course - 3d - 21h00 - Ref. SNA

Price : 2050 € E.T.

NEW

In this course, you will gain a deeper understanding of Snowflake's advanced features for manipulating and moving data. You will learn how to use specialized table types, build advanced queries, optimize performance, and apply the operational best practices recommended by Snowflake.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Master the advanced concepts of the Snowflake AI Data Cloud architecture
- ✓ Design, Optimize, and Troubleshoot Bulk Data Loads
- ✓ Optimize Performance and Implement Data Sharing in the Snowflake AI Data Cloud
- ✓ Analyze semi-structured data and perform advanced queries
- ✓ Analyze logs and events to monitor and troubleshoot processes

Intended audience

Data Analysts, Data Engineers, Data Scientists, Database Administrators, Database Architects.

Prerequisites

It is recommended that you have completed the "Snowflake Multi-Factor Authentication (MFA) Essentials" online training course. You must have completed the "Snowflake Fundamentals" training course (ref. SNF) or have equivalent knowledge of Snowflake. Good written English skills.

Course schedule

1 Managing Dates, Times, and Time Series

- Dates, times, and timestamps.
- Working with Dates and Times.
- Time Series and ASOF Joins.

PARTICIPANTS

Data Analysts, Data Engineers, Data Scientists, Database Administrators, Database Architects.

PREREQUISITES

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TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

2 Use of Geospatial Data

- Overview of geospatial data.
- Geography and Geometry Data.
- Introduction to Geospatial Functions.

3 Unstructured Data Management

- Presentation of Unstructured Data.
- Fundamental Concepts.
- Process flow.

4 Snowflake Advanced Tables

- Dynamic Tables.
- Hybrid Tables.
- External tables: querying data lakes, creating tables, virtual columns, and partitions.
- Apache Iceberg™ and Apache Polaris™ Tables / Snowflake Open Catalog.

5 Data Flows and Ingestion

- Streams: Principles and Usage for the CDC and SCD Approaches.
- Loading and processing semi-structured data.
- Inference and the Evolution of Schemas.

6 Advanced SQL Queries

- GROUP BY and Grouping Sets.
- Subqueries and Common Table Expressions (CTEs).
- Window functions (cumulative and moving).
- Queries on hierarchical data.

7 Development and Automation

- Snowflake Notebooks.
- Configuring and managing alerts and notifications.

8 Performance Optimization

- Automatic clustering.
- Search Optimization.
- Faster query processing.

9 Data Collaboration

- Data sharing.
- Creating Listings.
- Provider Studio.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

10 Artificial Intelligence and Machine Learning

- Introduction to Snowflake ML.
- Cortex AI.
- Cortex Search.
- Cortex Analyst.
- Cortex Agents and Snowflake Intelligence.

11 Data Quality

- Data Metrics Functions (DMFs).
- Workflow and metric monitoring.

Options

Certification : 210€ H.T.

SnowPro® Advanced: Data Engineer

[Comment passer votre examen ?](#)

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Dates and locations

REMOTE CLASS

2026 : 7 Dec.

2027 : 27 Jan., 28 Apr., 5 July, 18 Oct.

PARIS LA DÉFENSE

2027 : 27 Jan., 28 Apr., 5 July, 18 Oct.