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SnowPro Training: Core Certification (COF-C02)

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

3 days (21 hours)

Presentation

Our preparation for SnowPro® Core certification (COF-C02) will help you validate the basic knowledge and technical skills of the Snowflake platform. You'll explore tools and user interfaces for efficient data management.

You'll learn how to configure and manage certain security aspects of Snowflake, such as role and entity definition and data governance capabilities. You should be able to implement security best practices to protect sensitive data.

The course also covers performance concepts for using query profiles, configuring virtual warehouses and optimizing query performance, so you can ensure fast, efficient data management.

In addition, modules on data transformations will cover how to work with structured, semi-structured and unstructured data, and on data protection with Snowflake.

As with all our training courses, this one will introduce you to the latest Snowflake developments.

Objectives

- Present the main features of Snowflake Data Cloud
- Describe the security principles and roles used in Snowflake
- Explain how to use the query profile to optimize performance
- Define concepts and best practices for loading and unloading data
- Explain how to work with structured and unstructured data

- Pass the SnowPro® Core certification exam

Target audience

- Data Analysts
- Data Engineers
- Data Scientists
- Application developers

Prerequisites

- Basic knowledge of SQL
- Experience with database management systems
- Data warehouse basics
- Test My Knowledge

Note: Ambient IT is not the owner of SnowPro® Core; this certification belongs to Snowflake Inc.

OUR **SNOWPRO®** CORE TRAINING PROGRAM

Features and architecture of Snowflake Data Cloud

- Present the main features of Snowflake Data Cloud
- Describe Snowflake's main tools and user interfaces
- Present the Snowflake catalog and objects
- Overview of Snowflake storage concepts

Account access and security

- Presenting safety principles
- Defining the entities and roles used in Snowflake
- Introducing Snowflake's data governance capabilities

Performance concepts

- Explain how to use the query profile
- Explain virtual warehouse configurations
- Introducing virtual warehouse performance tools
- Optimize query performance

Loading and unloading data

- Define concepts and best practices to be taken into account when loading data
- Describe the various commands used to load data and indicate when they are used. must be used
- Define concepts and best practices to be taken into account during data offloading
- Describe the different commands used to download data and when they are used. must be used

Data transformation

- Explain how to work with standard data
- Explain how to work with semi-structured data
- Explain how to work with unstructured data

Data protection and sharing

- Describing continuous data protection with Snowflake
- Describe Snowflake's data sharing capabilities

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.