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Sign up

PrestoDB training: The SQL engine for data analysis

2 days (14 hours)

Presentation

Our PrestoDB training course will introduce you to this fast, efficient and reliable large-scale open source SQL query engine. You'll be able to run interactive queries with sub-second performance for your applications.

At the end of our course, you'll be able to use [ANSI SQL](#) to analyze your data, but also for your interactive workloads.

PrestoDB allows you to discover the origin of all types of data, and also to combine data from several sources, enabling you to analyze your entire organization.

Take advantage of the efficient ANSI SQL interface for all your data in various partitioned data systems, helping you to join your data ecosystem. What's more, PrestoDB is faster and more efficient than other engines, because it's optimized for a large number of small queries.

Our PrestoDB course will teach you the latest features of [version 0.283](#).

Objectives

- Query data on multiple resources to create a Presto view
- Be able to execute interactive queries
- Understanding how PrestoDB works

Target audience

- Data engineer
- Database administrators
- Data analysts
- Project managers

Prerequisites

Knowledge of databases.

PrestoDB training program

Introduction

- What is PrestoDB
- Use cases
- Presto concepts

PrestoDB installation

- Presto deployment
- Command line interface
- JDBC driver
- Reference pilot
- Web connector for Tableau
- Running Presto on Spark

Connectors

- Accumulo connector
- BigQuery connector
- Hive security configuration
- Hudi connector
- JMX connector
- Kafka connector

SQL language

- Data types
- Reserved keywords

Query optimization

- Table statistics
- Cost in EXPLAIN
- Cost-based optimization

Administration

- Web interface
- Configure Presto
- Property reference
- Presto checker
- Materializing exchanges
- Resource groups
- Session property managers
- Function namespace managers
- Distributed sorting

Security

- Kerberos Authentication Coordinator
- Kerberos CLI authentication
- LDAP authentication
- Password file authentication
- Java key and trust stores
- Integrated system access control
- Secure internal communication
- Authorization

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.

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.