

Updated on 11/10/2024

Sign up

Presto training

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, as well as 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 Presto 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 Presto works

Target audience

- Data engineer

- Database administrators
- Data analysts
- Project managers

Prerequisites

Knowledge of databases.

PrestoDB training program

Introduction

- What is Presto
- Use cases
- Presto concepts

Presto 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.

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 training: 60% Practical, 40% Theory. Training material distributed in

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.