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Apache Druid Administrator Training

2 days (14 hours)

Presentation

Use Apache Druid to analyze your data efficiently, thanks to fast OLAP queries with low latency. The tool can be used for a wide range of applications, including web and mobile traffic analysis, fraud detection, business intelligence and supply chain analysis. Major companies already use this program, including Airbnb, Alibaba, Bokking.com and Netflix. This Apache Druid Admin training course will introduce you to the Apache Druid tool and its specific features, show you how to configure the program to optimize its performance, learn how to exploit its tools and how to strengthen the security of your databases. This Apache Druid Adminstrator training course will teach you the latest version of the tool, Apache Druid 0.21.

Objectives

- Security on Apache Druid
- Know how to improve tool performance
- Understand program architecture and operation
- Using the many tools on Druid

Target audience

- Data Scientists
- Directors
- Data Analysts
- Data Engineers
- Project managers
- Consultants
- Business Analysts

PREREQUISITES

- Knowledge of safety and production
- Knowledge of databases

Apache Druid Administrator training program

Introduction

- Introducing Apache Druid
- The benefits of the tool
- Installation
- Configuration
- Druid cluster presentation
- Architectural overview
- Description of individual components

Druid design

- Data sources and segments
- Processes and servers
- Dependencies

Apache Druid Tuning

- Improving cluster performance
- Configuration for high availability
- Updating clusters
- Automate data management
- Monitoring
- Troubleshooting

Enhancing safety

- Safety system description
- Good safety practice with Druid
- Authentication and authorization
- Set up LDAP authentication
- Configuring the TLS protocol
- Adding passwords

Using Druid tools

- Segments insert tool
- The dump-segment tool
- liquidm/druid-dumbo
- housejester/druid-test-harness
- spaghettifunk/druid-prometheus-exporter
- The pull-deps tool
- The reset-cluster tool
- Metadata export tool

Companies concerned

This training 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.