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Sign up

Apache Superset training: Administration and security

1 day (7 hours)

Presentation

Our Apache Superset security and administration training course will teach you how to install, secure and manage your Apache Superset environment efficiently.

Our program will introduce you to this technology, starting with its installation and configuration in a Business Intelligence context. You'll learn about the different installation methods, including Docker Compose and Kubernetes.

You'll also be able to administer your users and manage access to different parts of your environment.

As always, our Apache Superset training course will be based on the latest version of the tool: Apache Superset 4.1.

Objectives

- Understand the architecture and key components of Apache Superset.
- Create and customize interactive dashboards adapted to business needs.
- Configure secure connections to different data sources.
- Use advanced features to optimize your data analysis.
- Integrate Superset securely into your production environments.

Target audience

- Data Analysts
- BI Engineers

- Data Scientists
- Data Engineers
- Developers

PREREQUISITES

- Basic knowledge of SQL.
- Previous experience in data analysis and visualization.
- Familiarity with relational databases.
- Apache Superset training or familiarity with the tool

Technical requirements

- A computer with 8GB RAM and Docker installed.

Program of our Apache Superset training course: Administration and Security

Architecture and deployment

- Architecture overview (UI, Workers, cache, Beat)
- Deployment with Docker Compose
- Presentation of alternatives: Kubernetes and installation via source
- Practical work: Deploying a local instance with Docker Compose

Role management

- Directors
- Alpha
- Gamma
- SQL_Lab
- Public

Customization

- Permissions
- Restricting access
  - to data sources
  - to metrics

Security and administration

- Configuring user roles and permissions
- Best practices for securing access and integrating corporate directories (LDAP, OAuth)
- Practical work: Configuring user permissions with an existing directory

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 enabling 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 with regard to 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, 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.