

Apache Superset Training

COURSE CONTENT

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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Apache Superset Training by Multisoft Systems offers a comprehensive, hands-on learning experience designed to help professionals master one of the fastest-growing open-source business intelligence platforms. This program equips learners with the essential skills required to explore complex datasets, create interactive dashboards, and generate powerful visual analytics without relying heavily on coding.

Module 1: Introduction to Apache Superset

- ✓ Overview of Superset as an open-source BI tool
- ✓ Key features and capabilities
- ✓ Architecture and workflow understanding
- ✓ Superset vs other visualization tools

Module 2: Installation and Environment Setup

- ✓ System requirements and installation methods
- ✓ Local setup using Python and virtual environments
- ✓ Installing Superset with Docker
- ✓ Initial configuration and server start-up

Module 3: Connecting Data Sources

- ✓ Supported databases and connectors
- ✓ Configuring SQLAlchemy connection strings
- ✓ Setting up database connections
- ✓ Managing datasets and metadata

Module 4: Dataset Exploration

- ✓ Exploring tables and views
- ✓ Defining columns, metrics, and filters
- ✓ Using the Data Explore interface
- ✓ Creating virtual datasets

Module 5: SQL Lab – Querying and Analysis

- ✓ SQL Lab overview
- ✓ Writing and executing SQL queries
- ✓ Saving queries and creating virtual datasets
- ✓ Using the Visualize feature for results

Module 6: Creating Charts and Visualizations

- ✓ Overview of chart types
- ✓ Configuring chart settings and parameters
- ✓ Applying filters, drill-downs, and advanced options
- ✓ Chart formatting and customization

Module 7: Building Interactive Dashboards

- ✓ Creating new dashboards
- ✓ Adding and arranging charts
- ✓ Applying global filters
- ✓ Dashboard layout, theming, and sharing options

Module 8: Advanced Features

- ✓ Time-series charts and filters
- ✓ Cross-filtering and dashboard interactions
- ✓ Annotation layers and tags
- ✓ Alerts and reports configuration

Module 9: Permissions, Security & User Management

- ✓ Managing users, roles, and permissions
- ✓ Role-Based Access Control (RBAC)
- ✓ Securing dashboards and datasets
- ✓ Authentication methods overview

Module 10: Superset Administration

- ✓ Configuring Superset for production
- ✓ Caching, performance tuning, and optimization
- ✓ Logging and monitoring
- ✓ Backup and maintenance best practices

Module 11: Integration with Modern Data Ecosystems

- ✓ Superset with cloud databases (AWS, GCP, Azure)
- ✓ Integration with data warehouses (Snowflake, BigQuery, Redshift)
- ✓ Superset with ETL/ELT pipelines