

Updated 06/19/2024

Sign up

## DataGalaxy training

2 days (14 hours)

### Presentation

Consolidate all your company's information with the [Data Catalog](#). DataGalaxy is the leading tool for ensuring lineage and simplified access to your organization's essential insights.

Our DataGalaxy training course will teach you how to create useful and robust data catalogs for all your departments. To do this, we'll review the tool's essential functionalities.

First, we'll introduce you to data modeling in DataGalaxy, and how to ensure data compliance and security. Next, we'll take a closer look at the concepts of data lineage and cataloging.

You will then know how to ensure the quality of your data before sharing it with your entire organization. This course will be based on the latest version of the program, [DataGalaxy 2.25](#).

### Objectives

- Create and manage data catalogs on DataGalaxy
- Tracing data flows
- Ensuring data quality and security on DataGalaxy

### Target audience

- Project managers
- Data analysts
- Data scientists
- Data engineers
- Business analysts
- System administrators

# Prerequisites

Knowledge of Big Data.

## DATAGALAXY TRAINING PROGRAM

### INTRODUCTION TO DATAGALAXY

- Introducing DataGalaxy
- Main features
- The importance of data governance
- Interface presentation
- Key concepts
- Typical use cases

### DATA MODELING

- Basic concepts
- Creating data models
- Entity and relationship management
- Using diagrams
- Update and maintain data models

### DATA GOVERNANCE

- Fundamentals of data governance
- Implementation of governance policies
- Managing roles and responsibilities
- Compliance monitoring
- Documentation

### DATA CATALOGUING

- The importance of data cataloguing
- Data catalog creation and management
- Data classification and organization
- Data search and discovery
- Using metadata to improve cataloguing

### DATA LINEAGE

- What is data lineage?

- Data flow traceability
- Data path visualization
- Identifying sources
- Data destinations
- Impact analysis of data modifications

## DATA QUALITY

- What is data quality
- Assessing data quality
- Solving quality problems
- Apply data validation rules
- Monitoring

## DATA SECURITY AND CONFIDENTIALITY

- Data security standards
- Access and permissions management
- Protecting sensitive data
- Regulatory compliance
- Good data security practices

## 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 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.