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# Data Quality and Integrity Training

2 days (14 hours)

## Presentation

With the explosion in the amount and variety of data, the establishment of a data quality assurance policy is essential. Data quality and data integrity are also important to your company's compliance. In the age of Big Data, data protection laws are multiplying. Keeping correct, qualitative data will enable you to offer better services to your customers in record time. It will also enable you to avoid errors that may occur during the data ingestion process. Our data quality and integrity training will teach you the key importance of data in a company, the regulations in force, a presentation of data governance. And the steps you need to take to guarantee the quality and integrity of your data.

## Objectives

- Understand the strategic role and business value of data
- Understanding the regulatory environment for data
- Know how to establish a data quality measurement approach
- Know the associated tools
- Understand the methodology applied to data quality management
- Understand the principles and organization of data governance

## Target audience

- Data analysts
- Data quality analysts
- Consultants
- IT Architects
- Project managers
- IS Manager
- Quality method experts
- Data scientists
- Data engineers
- Data miners

# Prerequisites

Basic knowledge of information systems and mass data processing issues

## Our data quality and integrity training program

### Introduction

- The limits of Big Data
  - The ever-increasing volume of data to manage
  - The number of people involved is growing all the time
  - A wide variety of unformatted data
  - New regulations in force
- The importance of data integrity for the company and the user

### The regulatory environment for data

- Introduction to the RGPD
- Fundamental concepts
- Server regulations
- Obligations defined by the RGPD
- Maintain and update a data processing register
- Appointing a DPO
- Enhancing data security
- Ensuring subcontractor compliance
- Risks of non-compliance

### Data governance

- What is data governance, and what does it involve?
- The difference between governance and data security
- The benefits of good data governance
- The benefits of cloud-based data governance
- Data lifecycle overview
- Good safety practices
- Good privacy practices
- Monitor the quality of data integrity

### The tools

- Choosing the right tool for your business needs
- Introducing Oracle Enterprise Metadata Management
- Presentation of Master Data Governance on SAP S/4HANA
- Introducing Talend Data Catalog
- Introducing Informatica Master Data Management

## Ensuring data quality

- Make integrity an important part of your system
- Involve your human resources
- Maintain data quality throughout the entire data pipeline
- Best practices for dealing with large-scale data formatting errors
- Use automation

## 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.

## 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.