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Sign up

Informatica training

2 days (14 hours)

Presentation

Combine your source and target data with our Informatica training, which links multiple connectors that recognize metadata, making complex integrations easier to execute.

Informatica offers a [complete suite of tools](#) for data management, including data integration, data quality, metadata management and data control.

The platform is scalable and flexible, adapted to the needs of small and large companies alike, making it easy to adapt to technological and business changes.

You can use this tool for a wide range of sectors, including healthcare, finance, retail and utilities, as well as for projects such as data migration, integration of data from multiple applications, and customer data quality management.

As with all our training courses, we'll be using the latest stable version of the program and the latest resources: [Informatica 10.5](#).

Objectives

- Understanding basic concepts and ETL/ELT models
- Manage and feed data warehouses and data lakes
- Integrate multi-cloud data and manage APIs in workflows
- Configure and use cloud connectors for various data sources

Target audience

- IT professionals

- Data engineers
- Data analysts
- Architects

Prerequisites

- Knowledge of NoSQL databases
- Understanding ETL concepts
- Experience with data management or BI tools

INFORMATICA TRAINING PROGRAM

INTRODUCTION TO INFORMATICA AND ETL/ELT MODELS

- Introducing Informatica Cloud Data Integration
- Fundamental AND model differences between L and ELT
- Tool benefits
- Typical use scenarios
- Introduction to the Informatica interface and basic tools
- Reduce overheads

CONFIGURING AND USING CLOUD CONNECTORS

- Explore available connectors
- Configuration of connectors for various data sources (SaaS, on-premise)
- Best practices for data extraction with connectors
- Handling errors and connectivity problems
- Practical demonstration: Connecting a data source to Informatica

OPTIMIZING COSTS AND PERFORMANCE

- Using an economic optimization engine
- Techniques for reducing total cost of ownership
- Accelerate processing with low-code/no-code tools
- Real-time performance monitoring and adjustment
- Case study: Optimizing a data integration workflow

MANAGING LARGE VOLUMES OF DATA AND FEEDING DATA WAREHOUSES

- Advanced techniques for processing large volumes of data
- Feeding data warehouses and data lakes
- Use data replication and differential capture
- Setting up a data pipeline for a data lake

- Monitor and maintain data flows

MULTI-CLOUD INTEGRATION AND API MANAGEMENT

- Strategies for multi-cloud data integration (AWS, Azure, Google Cloud)
- Using and managing APIs in integration workflows
- Data security and compliance in a multi-cloud environment
- Integrate data between different clouds
- Access and identity management

ANALYSIS, VISUALIZATION AND MAINTENANCE OF INTEGRATION PROCESSES

- Integrated data analysis and visualization tools
- Techniques for creating dashboards and reports
- Use monitoring tools to monitor processes
- Manage updates and maintenance of integration workflows

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 is used to check correct acquisition.

skills.

Sanction

A certificate will be issued to each trainee who completes the course.