

## BusinessObjects™ Data Integrator XI: Extracting, Transforming and Loading Data – DM370

### IN BRIEF

**Delivery:** Instructor-led course

**Duration:** Four Days

**Class size:** 10 Students Max.

**Cost:** \$4200 per person + GST

**Inclusions:** BusinessObjects expert instructor, comprehensive course manual, individual computer access, and fully catered lunch, morning and afternoon tea breaks.

**Prerequisites:** To be successful, learners who attend this course must have:

- Knowledge of data warehousing concepts
- Experience with Microsoft SQL Server
- Knowledge of normal forms of data and SQL language
- Experience using functions, elementary procedural programming and flow-of-control statements. For example: If, Else, While, Loop

**Products Covered:**

BusinessObjects Data Integrator

**Previous Training:** Business Objects XI: Universe Design DM310

### Course Description

Using Data Integrator you can create jobs that Extract, Transform and Load (ETL) data from disparate sources to deliver more timely and accurate data that end users at your organisation can trust. This course provides hands-on activities that walk you through setting a connection to your data source, creating and troubleshooting an ETL batch job, managing metadata, and using the Web Administrator to administer batch jobs. In this course you will also learn how to collaborate with others when creating ETL jobs in a multi-user environment.

As a business benefit, by being able to create efficient ETL jobs, your end users can use this transformed data to help improve operational and supply chain efficiencies, enhance customer relationships, create new revenue opportunities, and optimise your return on investment from enterprise applications.

### Audience

This course is designed for individuals responsible for implementing projects involving the extraction, transformation and loading of data in batch jobs, administering and managing projects that involve Data Integrator.

### Topics Covered

#### Data Warehousing Concepts

- Describe normal forms of data
- Explain dimensional modeling

#### Understanding Data Integrator

- Understand Data Integrator Architecture and Interface and development process
- Define objects

#### Explain relationships between objects, projects and jobs

- Describe the Data Integrator development process

#### Defining Source and Target Metadata

- Use datastores
- Import metadata
- Define a file format

#### Creating a Batch Job

- Create a batch job
- Create a simple data flow
- Add source and target objects to a data flow
- Use the Query transform
- Execute the job
- Add a new table to a data flow using template tables

#### Validating, Executing and Debugging Jobs

- Use descriptions and annotations
- Validate and trace jobs
- Debug jobs

.....Topics Covered Continued

**Using built-in Transforms**

- Describe built-in transforms
- Create an embedded data flow

**Using built-in Functions**

- Define and use built-in functions
- Use functions in expressions

**Optimising Data Flow**

- Optimise source and target based performance
- Optimise job performance
- Understand table partitioning and parallel execution in data flows

**Using Variables, Parameters and Scripting**

- Understand Variables, Parameters and DI Scripting Language
- Script a custom function
- Capturing Changes in Data Use source-based and target-based Changed Data Capture

**Handling Errors and Exceptions**

- Understand recovery systems
- Process data with problems

**Supporting a multi-user environment**

- Set up and work in a multiuser environment
- Describe common tasks in a multi-user environment

**Migrating Projects between Design, Test and Production Phases**

- Understand migration mechanisms and tools
- Use datastore configurations and migration
- Migrate a multi-user and single user environment
- Use datastore configurations to improve job portability

**Using the Web Administrator**

- Use the Web Administrator
- Implement central repository security
- Manage batch jobs with the Administrator
- Understand server groups

**Managing metadata**

- Understand metadata
- Use metadata reporting
- Use the Metadata Reporting tool