

# BUSINESSOBJECTS DATA INTEGRATOR XI 3.0: CORE CONCEPTS

DI320V3.0

## Course Description

BusinessObjects™ Data Integrator XI 3.0 enables you to integrate disparate data sources to deliver more timely and accurate data that end users in an organization can trust. In this three-day course, you will learn about creating, executing, and troubleshooting batch jobs, using functions, scripts and transforms to change the structure and formatting of data, handling errors, and capturing changes in data.

As a business benefit, by being able to create efficient data integration projects, you can use the transformed data to help improve operational and supply chain efficiencies, enhance customer relationships, create new revenue opportunities, and optimize return on investment from enterprise applications.

## Course Audience

This course is designed for individuals responsible for implementing, administering, and managing data integration projects.

## Prerequisite Education

Not applicable for this offering.

## Prerequisite Knowledge/Experience

To be successful, learners who attend this course should have experience with the following:

- Knowledge of data warehousing and ETL concepts
- Experience with MySQL and SQL language
- Experience using functions, elementary procedural programming, and flow-of-control statements such as If-Then-Else and While Loop statements
- Data Warehouse Fundamentals: *TCO Starts with the End User and Fact Tables and Dimension Tables*
- Data Warehouse Architecture and Modeling: *There Are No Guarantees*
- Advance Dimension Table Topics: *Surrogate Keys, It's Time for Time, and Slowly Changing Dimensions*
- Industry- and Application-Specific Issues: *Think Globally, Act Locally*
- Data Staging and Data Quality: *Dealing with Dirty Data*

It is also recommended you review the following articles, which can be found at:

<http://www.rkimball.com/html/articles.html> .

- Data Warehouse Fundamentals: *TCO Starts with the End User and Fact Tables and Dimension Tables*
- Data Warehouse Architecture and Modeling: *There Are No Guarantees*

- Advance Dimension Table Topics: *Surrogate Keys, It's Time for Time*, and *Slowly Changing Dimensions*
- Industry- and Application-Specific Issues: *Think Globally, Act Locally*
- Data Staging and Data Quality: *Dealing with Dirty Data*

### **Additional Education**

Not applicable for this offering.

### **Level, Delivery, and Duration**

This instructor-led core offering is a three-day course.

### **Applicable Certification**

Not applicable for this offering.

### **Additional Information**

Visit: <http://www.businessobjects.com/services/training>.

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## **Course Topics**

### **1 Describing Data Services**

- Describe the purpose of Data Services
- Describe Data Services architecture
- Define Data Services objects
- Use the Data Services Designer interface

### **2 Defining Source and Target Metadata**

- Use datastores
- Use datastore and system configurations
- Define file formats for flat files
- Define file formats for Excel files
- Define file formats for XML files

### **3 Creating Batch Jobs**

- Work with objects
- Create a data flow
- Use the Query transform
- Use target tables
- Execute the job

### **4 Troubleshooting Batch Jobs**

- Use descriptions and annotations
- Validate and tracing jobs
- Use View Data and the Interactive Debugger
- Use auditing in data flows

### **5 Using Functions, Scripts, and Variables**

- Define built-in functions
- Use functions in expressions
- Use the lookup function
- Use the decode function
- Use variables and parameters
- Use Data Services scripting language
- Script a custom function

### **6 Using Platform Transforms**

- Describe platform transforms
- Use the Map Operation transform
- Use the Validation transform
- Use the Merge transform
- Use the Case transform
- Use the SQL transform

### **7 Setting up Error Handling**

- Set up recoverable work flows

## 8 Capturing Changes in Data

- Update data over time
- Use source-based CDC
- Use target-based CDC

## 9 Using Data Integrator Transforms

- Describe the Data Integrator transforms
- Use the Pivot transform
- Use the Hierarchy Flattening transform
- Describe performance optimization
- Use the Data Transfer transform
- Use the XML Pipeline transform

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