

Source Data Integration (NL)

Group Training

Training code	CGASDAINCD
Spoken Language	Dutch
Language Materials	English
Dayparts	2
Price	€800,00 excl. VAT No extra costs.

What is Source Data Integration

With today's data abundance, gaining insights from data is an essential step for companies to make fact-based decisions. Business-related data is recorded in various source systems. By collecting data from different source systems and linking it to each other, interesting insights can arise. And in principle, the more data is collected, the more insights can be extracted.

Collecting and copying this source data is called Source Data Integration.

During the training the application of what you learn is central and you are challenged to work with the given theory in practical cases. The training is given by people who work in practice within Data Engineering and know what it is about. They would like to transfer that practical knowledge.

Who should attend Source Data Integration

The Source Data Integration training is suitable for:

- Starters at the beginning of their career
- People making a career switch to Data Engineering
- People working in IT, especially in departments such as BI and DWH
- Business Analysts
- Information Analysts

Prerequisites

There are no specific requirements to participate in this training.

The use of a laptop is required for this training.

Objectives

After this training, the participant is able to answer the questions:

- When should a new source be integrated?
- What different delivery techniques and delivery methods are there?
- What is ETL?
- How to guarantee the completeness and correctness of source data?

Within the Source Data Integration course you will learn, among other things:

- The process in which, based on the information needs of customers, it is ascertained whether new data sources should be unlocked or expanded.
- The different delivery techniques with which data can be obtained from source systems. This includes file delivery, web-based delivery through an API, an export of a database table, the direct extraction of data from a source table or Change Data Capture (CDC).
- The technique with which data can be processed and stored in, for example, a data warehouse. You will be introduced to Extract, Transform and Load (ETL).
- The different delivery methods in which data can be delivered. You will be introduced to the full, incremental, stackable and event-driven delivery methods.
- How history of source data can be built up in a data warehouse. How the “deltas” or new and changed source data can be derived based on the delivery method.
- The agreements that must be made with the source to specify which data must be supplied, in which formats, with which delivery technique, method, frequency and times. You will learn the terms interface, metadata and Service Level Agreements (SLA).
- How and why the quality of the data delivery should be determined.
- The benefits of standardizing and reusing ETL jobs. How can these be made generic and metadata-driven?

If a third-party copyright applies to this course, you will find the copyright on <https://academy.capgemini.nl/en/topic/trademarks/>

Capgemini Academy's general terms and conditions are applied to all products and services mentioned within this document. For the latest version please check <https://academy.capgemini.com/>. The rates of products and services mentioned in this document are subject to change. For the most recent rates, please also visit our website.

About Capgemini Academy

Capgemini Academy's professionals offer what people in IT need. Our professionals have a keen eye for motivation, talent and are aware of specific contexts and circumstances. They move people to move. Programmes and courses that originate from daily experience of our both didactical and substantively strong trainers, light a fire within the individual IT professionals. Real life stories of our professionals' experience that tell how to solve problems and work with the people around it, do the rest.

An organization, like ours, helps people and their organizations day by day to get the best out of themselves and each other. We prepare them to defy tomorrow's challenges. We stimulate learning and curiosity. In order for individual IT professionals and their employers, to build better, longer and more intensive relationships. For mutual benefit.

Capgemini Academy. We transform IT professionals
academy.capgemini.nl

IN/3A-018.18