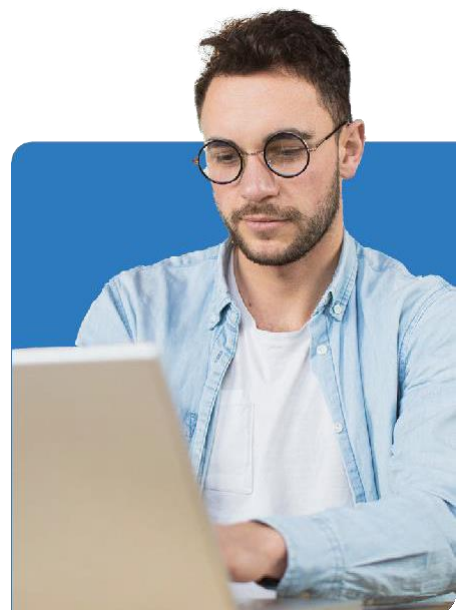




Data Transformation with DBT

TDXBI-110



ThriveDX Data Transformation with DBT

Time Commitment

7 days (total of 55 hours / 8 hours per day)

Skill Level

Advanced Level

Course Category

BI & Big Data

DBT is an open-source command line tool designed for data transformation in the context of data warehousing.

This course equips data professionals with the skills to build and manage robust data pipelines using DBT, to achieve efficient data transformation and optimized ETL processes.

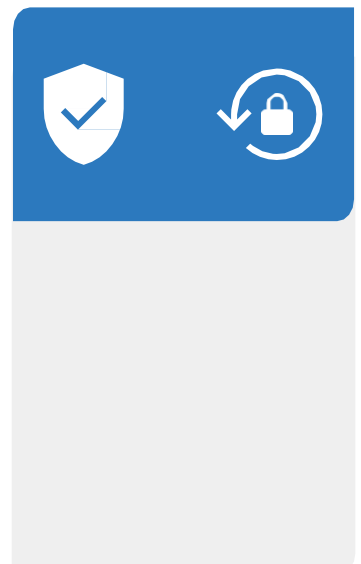
Through lectures and hands-on exercises, participants will gain a comprehensive understanding of the core concepts, methodologies, and practical applications of DBT.

Target audience

This course is designed for data engineers, BI developers, DBA, ETL developers, and data analysts who want to streamline their data transformation workflows using DBT.

Prerequisites

- SQL – must
- Python – nice to have.
- Git – nice to have.



Objectives:

- Understand the fundamental concepts and principles of DBT.
- Learn to set up and configure DBT projects effectively.
- Master the creation and management of models using DBT.
- Explore advanced features and capabilities of DBT.
- Apply DBT to real-world scenarios through hands-on case studies and practical exercises.

Program Structure

Module 01: Introduction to DBT

- Introduction to DBT
- key concepts
- Installation
- DBT project structure and environment

Module 02: Modeling with DBT

- Models
- Materialization
- jinja
- Macros
- Hooks
- Seeds
- snapshots

Module 03: Advanced Topics in DBT

- Testing
 - Sources
 - Variables
 - Packages
 - DBT run options
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