

An introduction to the BI/DWH functions within Tricentis Tosca

OVERVIEW

This flexible training can be delivered by an instructor or alternatively as a self paced online training course.

As an online training It is especially suitable for individuals and groups who need to fit their Tosca learning around a busy schedule.

Our training is comprised of numerous training resources, available when and where you need it. It includes exercises, case scenarios and much more.

Learn by example with step by step tutorials that guide you through new tasks from start to finish.

Master Tricentis Tosca by yourself with these on-demand resources at your fingertips!

TRAINING

The training course consists of two integrated training modules.: Automation Principles & BI

These training modules are different in scope and length and are designed to be taken successively to build up your knowledge of Tosca BI. Each lesson within the two modules contains multiple challenging exercises for you to complete.

Once these modules have been completed*, you will earn a Tricentis certificate for BI Specialist!

More information on the training modules can be found on page 2 of this data sheet.

** Online certification exam has been passed. It is required to take and pass assessments after each lesson and a final exam.*

SUMMARY

BI Specialist is an introduction to the principles of data warehouse (DWH) / Business intelligence (BI) testing using Tricentis Tosca BI.

As well as core BI functionality such as Database queries, File tests and using the Vital Checks Wizard, you will also learn the basics of automation within Tricentis Tosca, allowing you to create basic automated TestCases as well as expand the knowledge to fully test the BI process.

By the end of the course you will have the understanding to test at all key stages of the BI process.

DELIVERY METHOD

- ▶ Instructor led & Self-paced learning
- ▶ Learning material is provided online

PACKAGE CONTENT

- ▶ 15 Lessons and with accompanying exercises
- ▶ 7 online assessment exams
- ▶ 1 online final exam and certification

TARGET AUDIENCE

- ▶ Professionals who plan to become BI specialists

SUITABILITY

- | | |
|---|---|
| <input type="checkbox"/> Test lead | <input checked="" type="checkbox"/> Tester |
| <input type="checkbox"/> Test analyst | <input checked="" type="checkbox"/> Test automation developer |
| <input checked="" type="checkbox"/> Test designer | <input type="checkbox"/> Test administrator |

PREREQUISITES

- ▶ General IT knowledge
- ▶ The following programs need to be installed on the machine for training purposes:
 - ▶ MS SQL Server (2014+)
 - ▶ Adventure Works 2014 Database
 - ▶ DB Browser for SQLite and SQLite Driver (32 and 64 bit)
 - ▶ MS SQL Server Management Studio
 - ▶ Basic knowledge of SQL (to generate SQL/SQLite queries) is also required to successfully complete the course

DURATION

- ▶ Approx. 15-20 hours (average)

LANGUAGE

- ▶ Training materials are in English
- ▶ Certification exam is in English

ENROLLMENT

- ▶ Purchase access online directly from Tricentis web shop

MINIMUM SYSTEM REQUIREMENTS

- ▶ HTML5 compatible browser
- ▶ PDF viewer & Adobe Flash
- ▶ Broadband/ high-speed internet connection
- ▶ Network to support WebSockets Port 443, SSL
- ▶ Speakers or headphones

Master the essential Tricentis Tosca skills needed to become a BI specialist.

COURSE TOPICS

- 1. Automation Principles**
 - ▶ Steering HTML controls
 - ▶ Creating and structuring TestCases
 - ▶ Use of Dynamic Values
 - ▶ Use of different ActionModes
- 2. Database Queries**
 - ▶ Execute database queries
 - ▶ Verify results
 - ▶ Compare results
- 3. Pre-Screening File Tests**
 - ▶ Load csv files into a caching db
 - ▶ Test for completeness, uniqueness, field type
 - ▶ Generate tests with wizards
- 4. Wizard – Vital Checks**
 - ▶ Checking metadata
 - ▶ Completeness, uniqueness, referential integrity, nullness
- 5. Wizard – Field Tests**
 - ▶ Generate tests with wizards
 - ▶ Test field for custom formats (e.g. email, product ids)
- 6. Dataset comparisons**
 - ▶ Reconciliation Tests on one database
 - ▶ Comparing datasets between in files and databases
 - ▶ Generate error reports
 - ▶ Test the transformation of a dataset
- 7. Parallel Execution**
 - ▶ Executing Tosca BI TestCases in parallel
- 8. Hadoop**
 - ▶ Executing tests against Hadoop databases

MORE INFORMATION

For additional information about on-site classes, including facility requirements, go to <http://www.tricentis.com/academy/>
Contact us at academy@tricentis.com