

Training Course Content

Certified Tester Model-Based Testing

Duration : 2 days

Languages : EN & FR

The course will focus on how to:

- Optimize analysis, design and implementation of tests with a model-based approach for testing based on business requirements.
- Professionalize and enhance test activities and make the transition from requirements to test cases and their implementation more efficient.

Learning Objectives

- Be more effective on testing activities using templates for test analysis, design and implementation
- Know and know how to implement the activities of the MBT in a test process
- Be able to evaluate and deploy a Model-Based Testing approach in a team or test centre
- Master the concepts, vocabulary, activities and roles of Model Based Testing

Pre-requisites

Basic understanding or exposure to requirements concepts.

Audience

This course is ideal for anyone involved in software testing such as:

- Test Analyst
- Functional testers
- Test Managers
- Business Testers

Course Content

- 1. Objectives and motivations of Model-Based Testing**
 - Why introduce the MBT in a test process?
 - What are the pitfalls to avoid?
- 2. MBT Activities and products**
 - Main modelling activities, test generation and adaptation
 - Elements used as input and products of a test process with MBT
- 3. Integration of MBT into the development process**
 - Integration of MBT in agile and phased processes
 - Link between requirements engineering and Model-Based Testing. Situation: You have integrated the MBT into your testing process, what will change
- 4. Modeling MBT (modelling activities, languages, best practices)**
 - Understand and practice MBT modeling (business and state machine workflows)
 - Know the families of modeling languages used for the MBT
 - Know the best practices of MBT modeling
- 5. Implementing and running tests with Model-Based Testing**
 - Transition from test generation to manual or automated execution
 - Know the good practices of test adaptation
- 6. Evaluation and deployment of an MBT approach**
 - Be able to measure the progress of a project using Model-Based Testing
 - Know the different types of tool categories used for MBT

Practical exercises

This training consists of practical exercises to illustrate the subjects discussed and provides trainees with the opportunity to learn through practice.

Trainer skills

Our experts who run our training courses or those we organize with a partner are specialists in the subjects covered. They are validated by our internal teams, both in terms of business knowledge and pedagogy, for each course they teach. They have at least five to ten years of experience in their field and hold or have held positions covering business topics.