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# Tricentis training

4 days (28 hours)

## Presentation

Master this automated software testing platform with our Tricentis training course. This tool is designed to optimize and accelerate testing processes. Adding functional, security or performance testing capabilities will make the tool complete to ensure reliability and quality for applications.

Tricentis simplifies [test automation](#) through its template-based technology, which enables multiple test cases to be created and maintained efficiently. This reduces code dependency and improves test coverage, ensuring more reliable and robust applications.

You can also test application performance and security. These tests will identify bottlenecks and ensure the application's ability to handle traffic peaks, while security tests detect potential threats.

Tricentis can be integrated with many application lifecycle management (ALM) and software development tools.

Like all our training courses, this one will use the [latest](#) Tricentis [functionalities](#).

## Objectives

- Create and manage workspaces and users
- Integrate Tricentis Tosca with CI/CD solutions
- Developing and running tests with Tricentis Tosca

## Target audience

- Developers
- Software testers

## Prerequisites

- Basic understanding of software development lifecycle and testing practices
- Knowledge of test automation concepts and CI/CD tools

# TRICENTIS TRAINING PROGRAM

## INTRODUCTION

- Introducing Tricentis Tosca and its main components
- Understanding the architecture of Tricentis Tosca
- AI data use policy
- User interface overview
- Importance of test automation

## INSTALLATION AND CONFIGURATION

- System requirements for Tricentis Tosca
- Installing Tricentis Tosca and Tosca Server
- License management
- Initial configuration via Tosca Administration Console
- Installation check

## WORKSPACE AND USER MANAGEMENT

- Workspace creation and management
- User and group administration
- Authentication and security
- Controlling access rights
- Recommended practices for collaboration

## TEST DEVELOPMENT WITH TRICENTIS TOSCA

- Creating modules and TestCases
- Using best practices to structure tests
- Video recording of tests
- Test planning and execution
- Error and validation management

## USING ENGINES AND EXTENSIONS

- Understanding of different Engines (API, Database, Excel, etc.)
- Configuration and use of extensions (Salesforce, SAP, etc.)
- Creating customized modules
- Integration with external systems
- Case studies in the use of Engines

## AUTOMATION AND CI/CD INTEGRATION

- Integrate Tricentis Tosca with CI/CD solutions
- Tosca Execution Clients
- Runtime API configuration
- Test automation strategies
- CI/CD integration case studies

## TEST DATA MANAGEMENT

- Create and manage test data
- Test data synchronization
- Using TestCase-Design for efficient management
- Data profiling techniques
- Data import and export

## REPORTS AND ANALYSES

- Report design and customization
- Test configuration for detailed analysis
- Interpreting test results
- Trend and performance monitoring
- Export data for external audits

## SERVICE VIRTUALIZATION AND CLOUD

- Understanding Tosca Orchestrated Service Virtualization (OSV)
- Installing and configuring Tosca OSV
- Managing test environments in the cloud
- Integration and test execution in Tricentis Cloud
- Monitoring and managing virtualized services

## TRICENTIS DATA INTEGRITY

- Configuring and using Tricentis Data Integrity
- Creation of data reconciliation and profiling tests
- Data integrity management
- Using Data Integrity modules
- Data validation and compliance tests

## USING TRICENTIS VISION AI

- Setting up and configuring Tricentis Vision AI
- Creation of user-identified controls
- Using Vision AI for test automation
- Define self-healing techniques for test cases
- Examples of Vision AI applications in real-life scenarios

## SPECIFIC INTEGRATIONS

- Integrate with SAP Solution Manager and qTest
- Configuration and synchronization with external tools
- Specific extensions (SAP, Salesforce)
- Event and system interaction management
- Practical integration cases involving complex environments

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.