

QA

INTERMEDIATE

5 DAYS

Complete Automation Testing with TOSCA

Build a strong foundation in test automation using TOSCA to model business processes and design scalable, maintainable test cases. Learn how to generate and customize automated tests, manage test data, execute across platforms, and produce comprehensive test reports for enterprise testing needs.

Why TOSCA?

Efficiency and Time Savings

TOSCA's model-based approach and script generation capabilities lead to increased efficiency and faster test execution, allowing for quicker feedback on the quality of your software.

Reusability and Maintainability

TOSCA promotes the reusability of test assets through its model-based approach and test script generation.

Comprehensive Test Coverage

TOSCA enables end-to-end testing by supporting various target platforms. This ensures that your tests cover all aspects of your software, providing comprehensive test coverage.

What you'll be able to do

- ✓ Gain a comprehensive understanding of TOSCA and its key features, functionalities, and benefits.
- ✓ Learn how to create models of business processes using TOSCA's graphical modeling capabilities.
- ✓ Learn the best practices for designing effective and efficient test cases in TOSCA.
- ✓ Learn how to generate test scripts from TOSCA models and customise them to add validations, error handling, and other test logic.
- ✓ Learn how to define and manage test data sets and variations in TOSCA.
- ✓ Understand how to execute automated tests using TOSCA on different target platforms.
- ✓ Learn how to generate comprehensive test reports using TOSCA's reporting features.

Who this is for

- Software Testers
- Automation Testers
- Quality Assurance Engineers

Curriculum

01 Tosca Foundations

- Apply Tosca foundations using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

02 Setup

- Apply setup using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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03 Model-Based Testing

- Apply model-based testing using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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04 Test Case Design

- Apply test case design using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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05 Script Enhancement

- Apply script enhancement using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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06 Test Data

- Apply test data using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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07 Execution and Monitoring

- Apply execution and monitoring using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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08 Reporting

- Apply reporting using Tosca in practical test workflows
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09 CI/CD

- Apply ci/cd using Tosca in practical test workflows
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10 Maintenance and Versioning

- Apply maintenance and versioning using Tosca in practical test workflows
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11 Best Practices and Advanced Features

- Apply best practices and advanced features using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
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