

QA

INTERMEDIATE

4 DAYS

API Automation Testing with TOSCA

Build a strong foundation in API automation testing using TOSCA, starting with core API fundamentals and automation concepts. Learn how to install, configure, design, and automate effective API test cases using TOSCA to support scalable and reliable enterprise testing.

Why TOSCA?

Accelerated Testing

With TOSCA, you can quickly design and automate API test cases, leading to accelerated testing cycles and faster time to market for your applications

Improved Quality

With TOSCA's automation capabilities, you can execute API tests consistently and reliably.

Enhanced Test Coverage

TOSCA enables comprehensive test coverage for your APIs. This ensures that your APIs are thoroughly tested, reducing the risk of potential issues in production.

What you'll be able to do

- ✓ Gain an overview of API automation testing and its importance in software development.
- ✓ Gain a solid understanding of the API Fundamentals.
- ✓ Get introduced to TOSCA as a tool for API automation testing.
- ✓ Learn the process of installing and configuring TOSCA for API testing.
- ✓ Learn how to design effective API test cases using TOSCA
- ✓ Learn how to automate API tests using TOSCA's automation capabilities.

Who this is for

- Software Testers
- Test Automation Engineers
- Quality Assurance (QA) Engineers
- Developers

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
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

03 Model-Based Testing

- Apply model-based testing 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

04 Test Case Design

- Apply test case design 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

05 Script Enhancement

- Apply script enhancement 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

06 Test Data

- Apply test data 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

07 Execution and Monitoring

- Apply execution and monitoring 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

08 Reporting

- Apply reporting 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

09 CI/CD

- Apply ci/cd 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

10 Maintenance and Versioning

- Apply maintenance and versioning 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

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
- Capture reusable patterns for team frameworks