

QA

INTERMEDIATE

4 DAYS

Desktop Testing with TOSCA

Build a strong foundation in desktop application testing using TOSCA by understanding testing principles, challenges, and best practices. Learn how to design and automate desktop test cases, manage test data, create automation scripts, and execute reliable desktop testing using TOSCA's capabilities.

Why TOSCA?

Increased Efficiency

Automating desktop testing with TOSCA allows for faster test execution, reducing the time and effort required for repetitive manual testing tasks.

Enhanced Accuracy

Automation eliminates human errors and inconsistencies that can occur during manual testing. TOSCA's precise automation scripts ensure the accurate execution of test cases, leading to reliable and consistent results.

Improved Test Coverage

With TOSCA's automation capabilities, businesses can achieve broader test coverage by executing a larger number of test cases within a shorter timeframe.

What you'll be able to do

- ✓ Understand desktop application testing principles, challenges, and best practices clearly.
- ✓ Learn about the features, functionalities, and capabilities of TOSCA as a tool for desktop automation testing.
- ✓ Develop skills in designing effective test cases for desktop applications and executing them using TOSCA's automation capabilities.
- ✓ Learn how to manage test data for desktop testing scenarios.
- ✓ Acquire the skills to create automation scripts using TOSCA's scripting capabilities.
- ✓ Understand the techniques and practices for performing cross-browser testing with TOSCA.

Who this is for

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

Curriculum

01 Introduction to Desktop Automation Testing

- Understanding the fundamentals of desktop automation testing and its benefits for software development.
- Hands-on practice for introduction to desktop automation testing
- Validate results and handle common failures
- Capture reusable patterns for the framework

02 Overview of TOSCA

- Getting acquainted with TOSCA as a powerful tool for desktop automation testing.
- Hands-on practice for overview of tosca
- Validate results and handle common failures
- Capture reusable patterns for the framework

03 Test Case Design with TOSCA

- Learning how to design effective and comprehensive test cases using TOSCA's visual modeling environment.
- Hands-on practice for test case design with tosca
- Validate results and handle common failures
- Capture reusable patterns for the framework

04 Test Execution and Reporting

- Executing desktop tests and generating detailed reports to track test progress and results.
- Hands-on practice for test execution and reporting
- Validate results and handle common failures
- Capture reusable patterns for the framework

05 Automation Scripting with TOSCA

- Developing automation scripts using TOSCA to interact with the desktop application's user interface.
- Hands-on practice for automation scripting with tosca
- Validate results and handle common failures
- Capture reusable patterns for the framework

06 Test Data Management in TOSCA

- Efficiently managing test data for desktop testing scenarios, including import, manipulation, and parameterization.
- Hands-on practice for test data management in tosca
- Validate results and handle common failures
- Capture reusable patterns for the framework

07 Cross-Browser Testing with TOSCA

- Ensuring desktop application compatibility across different browsers using TOSCA's cross-browser testing capabilities.
- Hands-on practice for cross-browser testing with tosca
- Validate results and handle common failures
- Capture reusable patterns for the framework

08 Integration with Test Management

- Integrating TOSCA with test management tools to streamline test case management, result tracking, and defect reporting.
- Hands-on practice for integration with test management
- Validate results and handle common failures
- Capture reusable patterns for the framework

09 Continuous Integration and Delivery (CI/CD) Integration

- Integrating TOSCA into CI/CD pipelines to automate desktop testing in the software delivery process.
- Hands-on practice for continuous integration and delivery (ci/cd) integration
- Validate results and handle common failures
- Capture reusable patterns for the framework

10 Test Maintenance and Reusability

- Strategies for maintaining and reusing desktop test cases in TOSCA to adapt to application changes and maximize efficiency.
- Hands-on practice for test maintenance and reusability
- Validate results and handle common failures
- Capture reusable patterns for the framework

11 Best Practices and Tips for Desktop Automation Testing

- Exploring industry best practices, advanced techniques, and tips for optimizing desktop automation testing with TOSCA.
- Hands-on practice for best practices and tips for desktop automation testing
- Validate results and handle common failures
- Capture reusable patterns for the framework