

QA

INTERMEDIATE

4 DAYS

API Automation Testing with SoapUI

Build a strong foundation in API testing using SoapUI, covering core API concepts and advanced tool capabilities. Learn how to design, automate, and integrate API tests to ensure reliable and high quality API validation across enterprise systems.

Why SoapUI?

Faster API coverage

Automate SoapUI suites for consistent regression on services.

Reusable suites

Parameterize and share test assets across environments.

Earlier defect detection

Validate contracts and responses before UI testing.

CI-ready quality gates

Run SoapUI automation in pipelines with clear reporting.

What you'll be able to do

- ✓ Gain a solid understanding of the fundamentals of API testing
- ✓ Gain a comprehensive understanding of the features and functionality of SoapUI
- ✓ Learn how to create and execute automated API tests using SoapUI
- ✓ Learn how to integrate SoapUI with other tools and technologies
- ✓ Gain insights into the advanced SoapUI features

Who this is for

- Software testers
- Software developers
- Quality assurance (QA) professionals
- IT professionals
- DevOps professionals
- Technical leads or managers

Curriculum

01 API Testing Foundations

- Apply api testing foundations using SoapUI 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 Tool Setup

- Apply tool setup using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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03 Auth and Security

- Apply auth and security using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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04 Request/Response Validation

- Apply request/response validation using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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05 Data-Driven Tests

- Apply data-driven tests using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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06 Suites and Reuse

- Apply suites and reuse using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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07 Contract Testing

- Apply contract testing using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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08 CI/CD Integration

- Apply ci/cd integration using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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09 Reporting and Debugging

- Apply reporting and debugging using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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10 Framework Design

- Apply framework design using SoapUI in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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11 Best Practices and Case Studies

- Apply best practices and case studies using SoapUI 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