

Introduction to the API Scan

OVERVIEW

This online training is especially suitable for individuals and groups who need to fit their Tosca learning around a busy schedule.

Our training is comprised of numerous training resources, available when and where you need it. It includes exercises, case scenarios and much more.

Learn by example with step-by-step tutorials that guide you through new tasks from start to finish.

Master Tricentis Tosca on your own with these on-demand resources at your fingertips!

TRAINING

The training course consists of a brief theoretical introduction to Web Services and API Testing. It is then followed by an in-depth exploration of the functions offered by the API Scan feature within Tricentis Tosca.

This course also details how to use the API Scan for SOAP and REST Web Services and for XML/JSON files. Additionally, the course will also introduce self-created SOAP Web Services. In order to fully complete this course, it will be necessary to have a valid copy of Tricentis Tosca installed and activated.

Once these modules have been completed*, you will earn a Tricentis certificate for Automation Specialist for API!

More information on the training modules can be found on page 2 of this data sheet.

* *Online certification exam has been passed. It is required to take and pass assessments after each lesson and a final exam.*

SUMMARY

Automation Specialist for API is an introduction to the API Scan from Tricentis as well as the automation of the resulting API scans.

This course will teach how to set up and administrate API Testing Sessions; Scan Web Services' APIs, as well as XML/JSON files, and build TestCases within Tricentis Tosca using the scanned results. Additionally, this course will teach you how to create and automate tests for self-created SOAP Web Services.

By the end of the course, you will have the understanding to organize and participate in an API Testing Session.

DELIVERY METHOD

- ▶ Self-paced learning
- ▶ Learning material is provided online
- ▶ Instructor-led option available for this course

PACKAGE CONTENT

- ▶ 12 lessons with accompanying exercises
- ▶ 1 online final exam and certification

TARGET AUDIENCE

- ▶ Automation Specialists who wish to enable API testing
- ▶ Testers and developers looking to learn how to use the API Scan and automate the scan results

SUITABILITY

- | | |
|---|---|
| <input checked="" type="checkbox"/> Test lead | <input checked="" type="checkbox"/> Tester |
| <input checked="" type="checkbox"/> Test analyst | <input checked="" type="checkbox"/> Test automation developer |
| <input checked="" type="checkbox"/> Test designer | <input checked="" type="checkbox"/> Test administrator |

PREREQUISITES

- ▶ General IT knowledge
- ▶ Automation Specialist Level 1
- ▶ Automation Specialist Level 2

DURATION

- ▶ Approx. 5 hours (average)

LANGUAGE

- ▶ Training materials are in English
- ▶ Certification exam is in English

ENROLLMENT

- ▶ Purchase access online directly from Tricentis web shop

MINIMUM SYSTEM REQUIREMENTS

- ▶ HTML5 compatible browser
- ▶ PDF viewer and Adobe Flash
- ▶ Broadband/high-speed internet connection
- ▶ Network to support WebSockets Port 443, SSL
- ▶ Speakers or headphones

Master the essential Tricentis Tosca skills needed to become an Automation Specialist for API.

COURSE TOPICS

- 1.** Introduction and theory behind API Testing
 - ▶ What is an API?
 - ▶ What is a Web Service?
 - ▶ What is XML?
 - ▶ What are the benefits of API Testing?
- 2.** API Scan using REST
 - ▶ Scan a REST Web Service
 - ▶ Manually test the Web Service functionalities within the API Scan
 - ▶ Export the API Scan results to Tosca
 - ▶ Learn how to automate and maintain REST API TestCases
- 3.** API Scan using SOAP
 - ▶ Scan a SOAP Web Service
 - ▶ Manually test the Web Service functionalities within the API Scan
 - ▶ Export the API Scan results to Tosca
 - ▶ Learn how to automate and maintain SOAP API TestCases
- 4.** Self-created SOAP
 - ▶ Create and scan SOAP Web Services from business specifications
- 5.** API Scan using XML/JSON files
 - ▶ Scan an XML/JSON file
 - ▶ Export the API Scan results to Tosca
 - ▶ Learn how to automate and maintain XML/JSON API TestCases

MORE INFORMATION

For additional information about on-site classes, including facility requirements, go to <http://www.tricentis.com/academy/>
Contact us at academy@tricentis.com