SOAP UI API Testing

Audience Course SOAP UI API Testing
The course SOAP UI API Testing is for testers and developers who want to use SOAP UI for testing API's and REST and SOAP Web Services.

Prerequisites Course SOAP UI API Testing
Experience with testing is required. Experience with basic programming principles is recommended, but is not strictly necessary to participate in the course SOAP UI API Testing.

Realization Training SOAP UI API Testing
The theory is discussed on the basis of presentations. The concepts are explained with demos. The theory is interchanged with exercises. Course times are from 9:30 am to 16:30 pm.
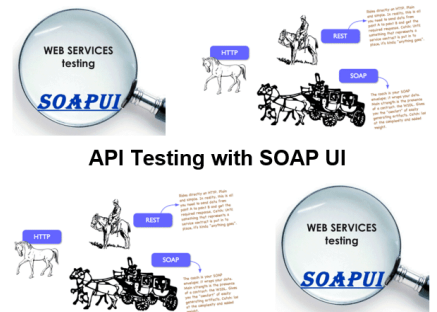
Certification SOAP UI API Testing
After successful completion of the course, the participants receive an official certificate SOAP UI API Testing.

Duration: 2 days **Price: € 1399**

Open Schedule

API Testing with SOAP UI

Content Course SOAP UI API Testing

The course **SOAP UI** API Testing discusses how to use the SOAP UI toolkit for testing Application Program Interfaces (API's) with REST, SOAP, GraphQL, microservices and other API protocols.

SOAP UI Spectrum
By using the open source SOAP UI toolkit testers and developers can use a simple graphical interface to set up API testing. SOAP UI covers the entire test spectrum from functional tests to security tests, load testing and mocking.

SOAP UI Protocols
The course SOAP UI API Testing covers in detail the testing of REST services with the HTTP Protocol, JSON data, URL patterns and content negotiation. Attention is also paid to the testing of SOAP Services, the SOAP Protocol, XML data and XML Schema data validation. Also API exploration using REST clients such as Postman and the command line tool curl is discussed.

SOAP UI Integration
SOAP UI can easily be integrated into a Continuous Delivery pipeline and the automation of tests and the generation of test data is therefore on the course schedule as well. Finally the course API Testing with SOAP UI discusses how the Mocking of Services can be set up.

Custom Content
The course SOAP UI API Testing can be adapted on request and in consultation and can then pay attention to more specific forms of API testing.

Modules Course SOAP UI API Testing

Module 1 : Intro API Testing	Module 2 : REST Services	Module 3 : SOAP Services
What is API Testing?	What is REST?	What is SOAP?
REST versus SOAP	HTTP Requests	SOAP Envelope
XML and JSON	GET and DELETE	SOAP Headers
Environment Setup	POST and PUT	SOAP Body
Available Tools	HTTP Headers	Attachments
SOAP UI Interface	Payloads	Exceptions
Postman in Depth	HTTP Response	SOAP Faults
REST Assured API	Status Codes	XML Schema
cURL	Content Negotiation	Schema Data Types
Using Swagger	JSON Validation	SOAP Validation
Module 4 : API Exploration	**Module 5 : Test Automation**	**Module 6 : Mocking Services**
Issue Requests	Adhoc Automating	RestFull Mocking
Postman Collections	Automatic with BASH	Prototyping Services
Environment Variables	Automating with CMD	Recording HTTP Traffic
Authentication	Using REST Assured API	Mock Service Creation
Postman Through Proxy	Code Coverage	Mock From Scatch
Viewing Traffic	JsonPath	Mock Service Scripting
Health Checks	XmlPath	Mock Handler Objects
Using Fuzzing	Creating Abstraction Layers	Using Files in Response
cURL Requests in Postman	Generating Random Data	Mock From Discovery