

Open-Source Tools for API Automation

In this lesson, we will learn about popular open-source tools available for API automation.

We'll cover the following

- Popular REST API automation tools
 - Rest Assured
 - Unirest
 - OkHttp
- Popular SOAP API automation tools
 - Spring WS
 - Axis 2

Popular REST API automation tools

Some of the most popular open-source REST API automation tools are:

Rest Assured

This is one of the most popular libraries for REST API test automation with extensive community support. We have used this automation library in this course.

Unirest

[Unirest](#) is a set of lightweight HTTP libraries available in multiple languages. It also uses DSL for writing automation tests.

OkHttp

It is an open-source project and an efficient HTTP client. It supports HTTP 2.0 and allows all requests to the same host to share a socket. [OkHttp's](#) request/response API is designed with fluent builders and immutability. It supports both synchronous blocking calls and async calls.

Popular SOAP API automation tools

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Spring WS

[Spring WS](#) is one of the most used SOAP web service automation libraries that helps us create request and response stubs. It sends a request over HTTP, a marshal, or unmarshal request, and response respectively.

Axis 2

[Axis 2](#) is another famous library for SOAP web service automation, which has the same functions as **Spring WS**, only with different constructs.

That's all about some of the most popular open source tools and libraries used for automation testing of APIs. We will conclude the course in the next lesson.