

# Automate Webservices REST API's tests using Java



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## Keys 2 Java Selenium

Learning about REST Web Services Automation Using Java.

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# **Introduction**

## **Introduction to API's**

**What are Web Services**

**Soap Vs Rest API**

**CRUD Operations – GET, POST, PUT & Delete**

**Authentication**

**Real Examples of API**

## **Configuring Automation Project**

**Configuring Maven Project for automation suite**

**Downloading pre-requisites to start automation**

## **Working with GET / POST / PATCH / PUT / DELETE Request**

## **Java automation Tests**

**GET requests**

**Parameters and Authorization**

**Handle Get Requests**

**Json path Calculation**

**Calculating complex paths**

**Extracting actual results from api's**

**Transferring api response to other api**

**Installing and Configuring API server**

**Automating the Post Request as a string body**

**Requests by POST object**

**Example with PUT API**

**Patch request for updating**

**Delete requests**

**Developing Objects for complex POST requests**

**Generating complex objects for POST requests**

**POST requests with arrays**

**Calculate response time of API**

**End of the Course : Student will be able to Develop Test Framework to Automate REST API Calls using Java and assert using the Json responses and achieve their Testing.**