

Soap UI

# What is SOAP UI?

- SOAP UI is the leading open source cross-platform API Testing tool
- SOAPUI allows testers to execute automated functional, regression, compliance, and load tests on different Web API.
- SOAPUI supports all the standard protocols and technologies to test all kinds of API's.
- SOAPUI interface is simple that enables both technical and non-technical users to use seamlessly.

# 5 important features of SOAPUI

- 1) Functional Testing
- 2) Security Testing
- 3) Load Testing
- 4) Supported Protocols/Technologies

# Create a SOAP Project, Test Suite, Test Case

1. Create a SOAP API Project
2. Add WSDL
3. Create Test Suite - Test Cases
4. Add Assertions
5. Run Test Step - Test Case - Test Suite
6. Run in sequence and in parallel
7. Create API Documentation

- **WSDL:**

- <https://www.dataaccess.com/webservicesserver/NumberConversion.wso?WSDL>
- <https://www.dataaccess.com/webservicesserver/TextCasing.wso?WSDL>
- <https://footballpool.dataaccess.eu/info.wso?WSDL>
- <http://webservices.oorsprong.org/websamples.countryinfo/CountryInfoService.wso?wsdl>

# Create a Rest Project, Rest Request, Test case with Parameters

1. Create a REST Project
2. Add a REST request
3. Add request parameters
4. Create a Test Case
5. Add assertions
6. Run and Validate

## Rest API's

<https://restcountries.eu/>

<https://restcountries.eu/rest/v2/all>

# Order of execution

