

Automatic Creation of Test Suites - Overview

With SOAtest's test creation wizard, you can easily and automatically create a series of test cases based on a variety of artifacts and platforms.

SOAtest provides a flexible test suite infrastructure that lets you add, organize, and run your Web service test cases. Each test in a test suite contains a main test tool (usually, a SOAP or REST Client tool), and any number or combination of outputs (other tools, or special output options).

Once created, tests can be executed as described in [Executing Functional Tests](#). You can also rapidly extend these tests to meet your goals. For example, you might want to:

- Add validation and monitoring tools ([Adding Standard Tests](#))
- Reuse them for...
 - Regression testing ([Configuring Regression Testing](#))
 - Load testing ([Load Test](#))
 - Penetration testing ([Penetration Testing](#))
 - Runtime error detection ([Performing Runtime Error Detection](#))
- Configure them for data-driven testing ([Parameterizing Tests with Data Sources, Variables, or Values from Other Tests](#))
- Combine them with other tests to validate end-to-end scenarios that extend through web interfaces, backend services, ESBs, databases, and everything in between ([End-to-end Test Scenarios](#))
- Determine actions that occur before and after test execution ([Adding Set-Up and Tear-Down Tests](#))
- Configure execution options such as test sequence, test relationship, and test flow logic ([Configuring Test Suite Properties - Test Flow Logic, Variables, etc.](#))
- Use environments to configure a predictable and accessible test bed ([Configuring Testing in Different Environments](#))

Understanding the Test Creation Wizard

SOAtest automatically generates a suite of SOAP or REST Client test cases from a variety of platforms and artifacts. Rather than creating each of the required tests by hand and adding them to a test suite one at a time, you can point SOAtest to the appropriate resources, and it will automatically generate a suite of test cases that covers every object associated with the corresponding data. In addition, when automatically creating test suites from service descriptions (e.g., OpenAPI/Swagger, WADL, WSDL or WSIL documents), you can organize tests into positive and negative unit tests, and create asynchronous test suites.