

Creating Tests From a RAML Definition

SOAtest can automatically create a .tst based on the endpoints found in a RAML description. Each .tst generated via the RAML wizard will contain REST Clients for all of the defined endpoints.

RAML 0.8 and 1.0 are supported.

To automatically create a test suite from a valid RAML definition:

1. Choose the **REST> RAML** option in one of the available test creation wizards. For details on accessing the wizards, see [Adding a New .tst File to an Existing Project and Adding a New Test Suite](#).
2. In the RAML wizard page, enter the absolute URI at which to find the RAML definition in the **RAML Definition** field. To reference a file on your local system, use a file URL (for example, file:///c:/Users/user/API.raml).
3. Click **Next**. The **Create Environment** dialog opens.
4. (Optional) Specify whether you want to reference an existing environment or create a new one.
 - To create a new environment:
 1. Select the **Create a new environment for your project** checkbox.
 2. Enter an **Environment Name** and **Variable Prefix**.
 - To reference an existing environment, select **Reference an existing environment** then specify the appropriate environment file.
 - For more information on environments, see [Configuring Testing in Different Environments](#).
5. Click the **Finish** button.

When a .tst is generated, it includes one REST Client for each resource/method pair in the RAML definition.

- Each REST Client is set to be constrained to the specified service definition and schema (if applicable).
- Its resource URL, HTTP method, and payload (if applicable) are configured accordingly.
- The service's base URL is configured as a "BASEURL" variable, and each resource URL is parameterized with the "BASEURL" variable.
- Query parameters are included with default or sample values (if available) as defined by the service definition.
- If the service definition includes a schema (XML or JSON), a sample payload is constructed from (and constrained to) that schema.