

Variables

Variables are used to reference various types of dynamic data for parameterizing simulated requests. Each variable is evaluated during the test run before issuing a request, where the variable is used for parameterization.

StresStimulus supports four types of variables provided below:

Variable Type	Data Source	Use in Parameters
Extractor	Server-Based	{{extractor_name}}
Dataset	Predefined	{{dataset.field\$databinding_method}}
Data Generator	Generated on-the-fly	{{data_generator_name}}
Function	Generated on-the-fly	{{function_name}}
External	Provided in your custom code	{{variable_name}}

Each variable is stored in the test script as a software object of a specific type that has an appropriate set of properties. When you create a variable in StresStimulus UI, an appropriate property grid will be presented. After the variable is created, almost all of its property can be changed through the same property grid. You can also edit variables' properties using the script editor.

When creating a variable, you do not need to worry about specifying its data type. When a variable is populated with external data, StresStimulus automatically converts external data into the readable text format if necessary, using the appropriate decoding method. For example, if a variable is populated with data extracted from a WCF binary server response, then binary data will be automatically converted to XML before populating the variable.

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