

BizUnit Designer

Introduction:

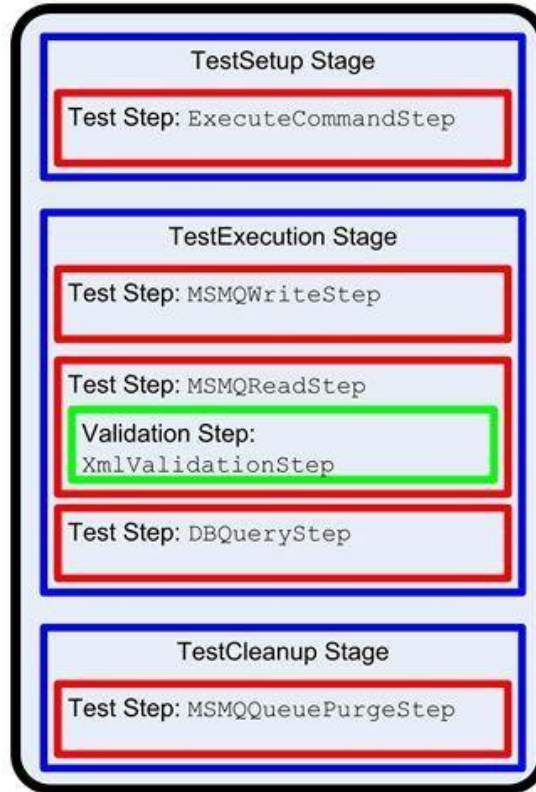
BizUnit Designer is a GUI that allows rapid creation of BizUnit test cases which can be used for unit testing or system testing distributed applications. The easy to use drag and drop user interface has minimal learning curve which will get you up and running with test cases in a matter of minutes.

Note: The test cases generated by BizUnit Designer 2.x are now compatible with BizUnit 4.x

BizUnit Overview:

BizUnit (for those who are unaware) is a Framework for Automated Testing of Distributed Systems created by Kevin Smith – typically used for testing BizTalk applications. BizUnit uses the approach of creating test case scripts as Xml files. Developers and testers need to declaratively create these test cases which describe what test steps have to be performed to test the BizTalk application.

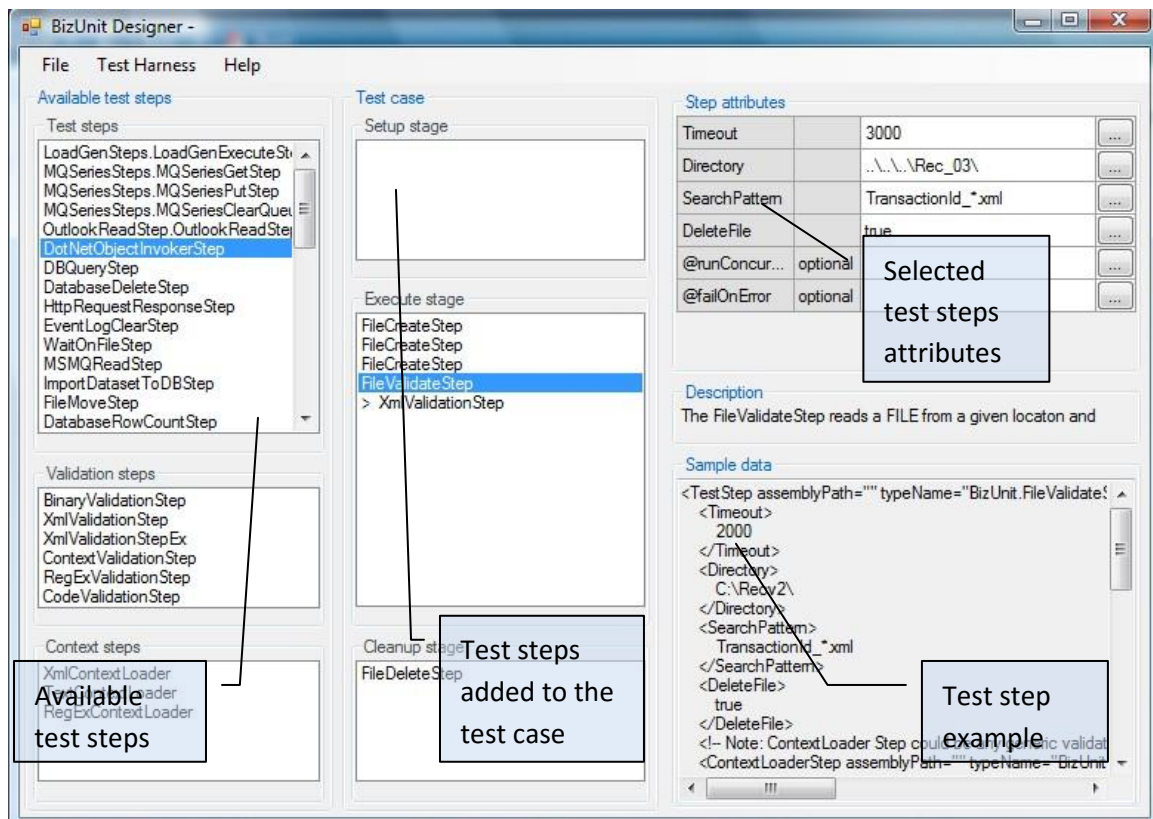
Every BizUnit test case is made up of three stages - **test setup**, **test execution** and **test cleanup**, the cleanup stage is always executed (even if the main execution stage fails) and intended to leave the platform in the same state that it started. Each stage may consist of zero or more test steps. The diagram below illustrates the format of a test case.



Quick Start:

To create a new test case:

1. Click on the File->New menu to enable the Test case section
2. Drag and drop the test steps from the Available test steps section into one of the three stages in the Test case section
3. Click on each of the test steps in the Test case section to edit it's attributes in the step attributes section (Use the ellipsis for filling the step attributes quickly)
4. If you need to re-arrange a test step, right click it and use the context menu
5. Save the test case into a xml file using the File->Save menu



Test harness:

BizUnit Designer lets you run your test cases without leaving the GUI using its test harness. You can run either a single test case or multiple test cases in a batch mode using the test harness.

How does BizUnit Designer work?

BizUnit designer uses the metadata from BizUnit documentation to retrieve test steps and attributes. This information is used to construct test cases.

BizUnit only shows the test steps for which it has the documentation metadata in the metadata folder – this includes all the test steps that come with BizUnit. If you have custom steps, you can either use the NonGUIStep to create them as mentioned below or create the documentation metadata and copy it into the metadata folder of BizUnit Designer.

Note: BizUnit Designer doesn't require BizUnit to compose test cases. However, you will need BizUnit and all the test step assemblies to be copied into the BizUnit Designer folder to run the test cases using the test harness.

NonGUIStep

The NonGUIStep is a special step used only by the designer. Any test step that is marked with the attribute NonGUIStep = "true" will be shown in the designer as a NonGUIStep and its attributes will not be loaded in the GUI. You can edit this step and its attributes using plain XML in the designer itself.

This step should be used in the following cases

1. For custom test steps that don't have an associated documentation
2. For steps such as DBQueryStep which cannot be created using the designer
3. If there are errors/mismatches in the documentation which are causing the designer to create improper test steps.

Frequently asked questions

If you are stuck with a question or an issue with BizUnit Designer, there is a good possibility that it is answered in the FAQ located at <http://www.codeplex.com/bud/Wiki/View.aspx?title=faq>