TIBUnit – Features List

TIBUnit is a framework for TIBCO ActiveMatrix BusinessWorks 5.x, which provides Automation of Unit Testing and Continuous Integration capabilities. This framework is developed to provide following features-

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| Integration Testing | TIBUnit provides ability to write integration test cases that need to invoke services and components across various platforms. |
| Unit Testing | TIBUnit provides ability to write Unit Tests having test assertions. |
| Multi step tests | Multiple assertions can be used in one test case. |
| Assertion Support | Assertions support is wide variety of functions and logical operation checks. |
| BW Pallet support | While writing TIBUnit test case, flexibility to use any feature or pallet supported by BW. |
| CLI Execution | Full test suite can be executed from Command Line and from within TIBCO Designer. |
| Integration with Build Servers | Can be integrated with Build Servers like Jenkins and Hudson to trigger Test runs after code commit or after scheduled times. |
| Test Result History | History of Test Run results is maintained and cab be retrieved later. |
| Test Run Result Accessibility | Test Run results can be accessed via a web URL, and via a file sharing as XML. |
| Test Input Data Parameterization | Multiple Input Data set and Expected Outcomes can be defined for one TIBUnit Test case. |
| Test Result details | Test result details contain pass/fail count, charts, detailed information at assertion level. |
| Protocol Support | TIBUnit can use all protocols supported by BW. |
| Test Driven Development | TIBUnit enables test driven development in projects. |
| Reusable and distributable | TIBUnit is distributed as BW library which can be shared and imported easily.  TIBUnit test cases can be further packaged in a library and distributed to teams. |

Upcoming Enhancements

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| Test Setup and tear down. | For some initialization before test startup, and cleaning after test run end. |
| BW Coverage report | This is available to show Process Level or Code File level code coverage report. It is under progress to show code coverage report at Activity Level in processes. |
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How a sample TibUnit looks like-







