# Tools Evaluated

## Matrix

A table summarizing features of each tool (maybe table not needed if minimal content or a paragraph is sufficient?)

*NOTE: Leaving table unformatted for now until we finalize content.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Platforms | |  |  |
| Tool | Developer | Host | SUT | Test Creation  Mechanism | License/Cost |
| ATRT  5.6.8 | Innovative Defense Technologies  <http://idtus.com> | Linux,  Mac OS X, Windows | Any that support VNC | Graphical Flowchart | Commercial  (see Appendix A) |
| Eggplant Functional  14.0.1 | TestPlant  <http://www.testplant.com> | Linux,  Mac OS X, Windows | Any that support VNC | Scripting (SenseTalk) | Commercial  (see Appendix A) |
| Sikuli  1.01 | Sikuli Script  <http://www.sikuli.org> | Linux,  Mac OS X, Windows  (\* runs on SUT) | Linux  Mac OS X  Windows | Scripting (Python) | Open Source  MIT License  Free |

## Automated Test and Retest Test Manager (ATRT TM) Version 5.6.8

ATRT TM is a commercial product provided by Innovative Defense Technologies, LLC.

* ATRT TM provides a model-based graphical user interface allowing test writers to drag and drop elements onto a canvas to build tests. Test steps and graphical images are stored in the model.
* There is a capability to create reusable functions that may be shared among models.
* Written tests are completely graphical in nature; there is no scripting language or lines of code associated with the developed tests.
* ATRT requires a commercial license. The base cost is $7500 for a single user license for the first year, and $2500 for each subsequent year which includes support and updates. Multiple developers may use ATRT but only one at a time. Please see Appendix A for additional options.
* For more information see <http://idtus.com/products/atrt-test-manager/>.

## Eggplant Functional Version 14.0.1

Eggplant is a commercial tool suite produced by TestPlant. Eggplant Functional is the automated GUI test development and execution tool in the suite. Other Eggplant tools provide additional capabilities to manage tests suites, do performance testing, do continuous integration testing, etc. Eggplant Functional was the only tool in the Eggplant Suite that was evaluated. Eggplant Functinal is hereinafter referred to as Eggplant.

* eggPlant’s default scripting language is based on the test definition language “SenseTalk”, although the documentation states that other languages may be used.
* ~~eggPlant’s scripts can easily be controlled with an source revision control system.~~
* eggPlant requires a commercial license with many options. Please see Appendix A for details.
* Eggplant runs on a host computer running Linux, Mac OS X, or Windows. It controls the SUT via VNC.
* For more information, see <http://www.testplant.com/eggplant/testing-tools/eggplant-developer/>.

## Sikuli Version 1.0.1

Sikuli is open source software released under the MIT license.

* Sikuli’s scripting language is Python and is well documented with an abundance of books, examples and tutorials.
* It provides specific extensions to Python libraries, which are in turn extensible by the test writer.
* Sikuli’s default IDE generates an organized directory structure with user provided file names, and all lend themselves well to a source control system.
* For more information, see <http://www.sikuli.org>.