

What is L-Unit

L-Unit is a unit testing framework for Lasso. It provides a set of tools that enable automated testing of any Lasso Type or Tag. L-Unit helps to ensure your mission critical code continues to behave as you expect it to.

L-Unit
Unit testing (and beyond) for Lasso

SUITE_EXAMPLE.TXT [RESET] [TASKS] [METRICS] [START]

TEST SUITES [SCAN] [NEW]

- async_Threads.txt [DEL] [EDIT] [VIEW]
- L-Debug.txt [DEL] [EDIT] [VIEW]
- suite_example.txt [DEL] [EDIT] [VIEW]

test_shoppingBasket

- test_addItem**

assert_isPair	passed	0
assert_isArray	passed	0
customTaskName	passed	0
showFailedTask	force a failed task to show a red bar	0
assert_isArraySizeOf	passed	0
- test_deleteltem**
- test_tagThatFails**

test_tagThatFails	No tag, type or constant was defined under the name array->eliminate with arguments: array: (1)	0
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L-Unit™ 2.0
L-Unit has NO SECURITY code built into it. DO NOT run it on a live production server.

Original release by Greg Willits (www.railsdev.ws)
Current release by Ke Carlton (www.zeroloop.com)

What use is it to me?

Testing every eventuality is not possible - no matter how often you test or how thoroughly you test, something will slip through the cracks. L-Unit ensures that each individual component of your application is working as it should – helping you focus on the bigger picture.

You've just spent hours tracking down and nailing a bug - wouldn't it be great if you could package all of that hard work up and run it at the click of a button? L-Unit allows you to do just that.

L-Unit is a Unit test application for Lasso. Unit testing is a test methodology designed to test the smallest components (Units) of your code. It's a tool to test that the foundation of your code is behaving as it should. It will help you determine if that "little" tweak you just made, really did leave everything else in check.

OK, I'm interested - what next?

First of all, download the full package and read the complete documentation. In L-Units case, "documentation" is probably an incorrect term. The majority of the documentation will introduce you to the concepts of unit testing, the reasoning behind it and how you can really use it to your advantage. Hopefully you will gain some useful knowledge from the docs alone. If you would prefer to just jump in head first, then follow the quick setup guide at the end of this document.

New Features

- Completely independent tests - each test is run in its own Lasso thread
- Multiple Developers can now observe the same tests - in real time
- Test Results are updated in real time
- Metrics are updated in real time
- Custom tag support
- Full control of running tests
- Full control of which classes and methods are tested
- Uncovered method detection - including parameters
- Support for stand alone tags
- Useful errors during configuration
- Integrated debug stack
- Redesigned interface
- Added support for direct type comparisons
- Scan option to scan for integrated test cases
- Better syntax support - works with both colon and bracket styles

Quick Setup Guide

Due to the way in which L-Unit isolates the test tasks it requires a fair amount of configuration within the Lasso site. The setup steps are outlined below. If you're required to do anything use to use L-Unit then please send through any steps we may have missed so we can include them here.

1. Download the package from www.L-Unit.org/ZIP/L-Unit.zip
Or check out with Subversion from [svn://svn.zeroloop.com/L-Unit/tags/public/stable](http://svn.zeroloop.com/L-Unit/tags/public/stable)
2. Use the extracted files as the root of the new Lasso site
3. Create a new L-Unit site in serverAdmin (all of this should be on a dev machine)
4. Add the absolute path to your L-Unit site in serverAdmin > L-Unit site > file paths
eg. C://INETPUB/L-UNIT or /Volumes/Web/L-Unit (this is required)
5. Add the .ctyp extension to siteAdmin > site > file extensions > lasso page settings
6. Add the .ctag extension to siteAdmin > site > file extensions > lasso page settings
7. Set your L-Unit root (/) permissions to:
"Allow All" and "Allow Any File Extension" in siteAdmin > security > files
8. Set your L-Unit absolute root permissions to:
"Allow All" and "Allow Any File Extension" in siteAdmin > security > file
9. Visit /index.lasso
10. Click Scan
11. Click Run
12. Viola