

Everything About Lua



What is Lua?

- Light-weight
- High Level
- Multiparadigm
- Made in Brazil
- Made with ANSI C

Characteristics

- The table is the only data structure
- Arrays start at 1
- Tail call optimization
- First class functions
- Verbose
- Default globals
- Coroutines

Flavours of Lua

- LuaJIT, a handwritten assembly JIT compiler
 - Written by Mike Pall
- MoonScript, an OO language based in Python
- Terra, powerful low-level language with static typing

Lua in the Wild

Data Base

- Tarantool (tarantool.io)
 - Fast data platform
 - Integrated Application Server
 - In-memory Data Base
 - Lua tables as internal structure
 - LuaJIT

Game Development

- Love2D (love2d.org)
- Corona (coronalabs.com)
- Gideros

Web Development

- Sailor (sailorproject.com)
- Lapis (leafo.net/lapis)
- Starlight, Lua to JS transpiler
- Fenagri (fengari.io)
 - Lua VM in JavaScript

Also...

- Lovr, VR with Lua (lovr.org)
- LuaAV
- Howl, text editor.