

Browsing with Luakit

By Steve Litt

<http://www.troubleshooters.com>

Copyright © 2016 by Steve Litt

No Warranty, user takes full responsibility for any outcome

“Browsing with Luakit” by Steve Litt is licensed under a Creative Commons Attribution-NoDerivatives 4.0 International License. See <http://creativecommons.org/licenses/by-nd/4.0/>

Luakit Distinctions

- Benefits
 - Lightweight and full featured
 - Keyboard-centric
 - Lua-configurable
- PITAS
 - Occasional instant abort
 - Copy and paste unusual
 - Cumbersome boomark system
 - Keyboard-centric
 - Lua-configurable

Luakit Essentials

- luakit or luakit -U or luakit -U <http://a3b3.com>
- Esc = normal mode
- :help = help
- :restart = Restart luakit & reload config
- Tabs
 - Ctrl+t = New tab
 - Ctrl+Tab = next tab (wraps)
 - Ctrl+w = Close current tab
- URLs
 - o = Open new URL
 - O = Open relevant to this URL
 - r = Reload the URL
- Size: + = Grow; - = Shrink

Luakit Config Principles

- Config via Lua language files
- Computer wide: /etc/xdg/luakit/
- User: ~/.config/luakit
- **If user level file exists, corresponding computer wide file is not read.**
- Two common config files, globals.lua & binds.lua
- Hotkeys: binds.lua
- globals.lua
 - Modify by *require my_globals_changes.lua* at bottom of *globals.lua*

my_globals_changes.lua (1)

```
-- #####
-- UNCOMMENT FOLLOWING LINE IF
-- os.getenv() THROWS ERROR
-- #####
-- require "os"
-- #####
-- MAKE SURE NECESSARY TABLES EXIST
-- #####
if globals == nil then
    globals = {} end
if search_engines == nil then
    search_engines = {} end
if domain_props == nil then
    domain_props = {} end
if domain_props["all"] == nil then
    domain_props["all"] = {}
end
```

my_globals_changes.lua(2)

```
-- #####  
-- PRINT A FEW DIR VALUES TO CONSOLE  
-- #####  
print("\nluakit.data_dir >>" ..  
      luakit.data_dir .. "<<")  
print("luakit.config_dir >>" ..  
      luakit.config_dir .. "<<")  
print("os.getenv(\"HOME\") >>" ..  
      os.getenv("HOME") .. "<<\n")
```

my_globals_changes.lua (3)

```
-- #####  
-- CHANGE PROPERTIES IN FOLLOWING SECTION  
-- #####  
-- globals.homepage = "http://luakit.org"  
-- domain_props["all"]["minimum_font_size"] = 10  
domain_props["all"]["user_stylesheet_uri"] =  
    "file:///home/slitt/luakit_custom.css"  
domain_props["all"]["user_stylesheet_uri"] =  
    "file:/// " .. os.getenv("HOME") ..  
        "/luakit_custom.css"  
domain_props["all"]["user_stylesheet_uri"] =  
    "file:/// " ..  
        luakit.config_dir .. "/styles/custom.css"  
domain_props["all"]["user_stylesheet_uri"] = ""
```

Changing the Minimum Font Size

- Necessary to counteract websites that strongarm teeny-tiny fonts.
- In file *my_globals_changes.lua*:, uncomment the following line and adjust the value as desired:

```
domain_props["all"]["minimum_font_size"] = 10
```


Changing the Zoom

- Copy rc.lua from /etc/xdg/luakit to ~/.config/luakit.
- Add *require "my_webkit_changes"* right below *require "webkit"*
- Create following *my_webkit_changes.lua*:

```
function webview.init_funcs.set_default_zoom(view)
    view.full_content_zoom = true -- optional
    view.zoom_level = 1.4 -- 140%, change as needed
end
```

- Careful: Big (>2.5) zooms pixellate a lot and take a long time to load.

Customising Luakit's CSS

- Can be deceptively difficult.
- Does not override website's CSS.
- `domain_props["all"]["user_stylesheet_uri"]` must match the path and filename of your custom CSS file.
- `domain_props["all"]["user_stylesheet_uri"]` must begin with `file:///`.
- For diagnostic ease, fill custom CSS file with crazy appearances.

Custom CSS File, Diagnostic Version

```
html{zoom: 800%;}  
h1,h2,h3,h4,p.diagnosticz {  
  color: #ffff00;  
  font-size: 200%;  
  font-weight: bold;  
  font-style: italic;  
  font-variant: small-caps;  
  background-color: #0000ff;  
  border-color: #ff0000;  
  border-width: 2ex;  
  border-style: ridge;  
}
```

Quickmarks

- Luakit quickmarks much better than bookmarks
- Numbered a-z, A-Z, 0-9
- Mf = Set quickmark f to current URL
- gof = Go to quickmark f
- gnf = Pull up quickmark f in new tab
- gwf = Pull up quickmark f in new window
- :qmarks = pull up list of quickmarks
- For true, categorized bookmarks, use an external app

Summary

- Lightweight and full featured
- Keyboard centric
- Config with Lua
 - Hotkeys
 - Home page
 - Minimum font size
 - Zoom
 - Custom CSS
 - Everything else