

<https://github.com/typho/litua>

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FOSS by tajpulo

https://github.com/typho/litua

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commit	message	time ago
tajpulo	feature: update logo proposal	2 days ago 72
	.github/workflows feature: give release workflow a name	3 months ago
	design feature: update logo proposal	2 days ago
	examples docs: improve markup example	3 days ago
	src refactor: bump version number	3 days ago
	tests remove awkward test	3 days ago
	Cargo.lock refactor: bump version number	3 days ago
	Cargo.toml bugfix: fix README filepath reference in Ca...	3 days ago
	LICENSE docu: add LICENSE file, prepare for 1.0 rele...	3 months ago
	README.md refactor: bump version number	3 days ago

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v2.0.0 Latest 3 days ago

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Packages

litua

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litua

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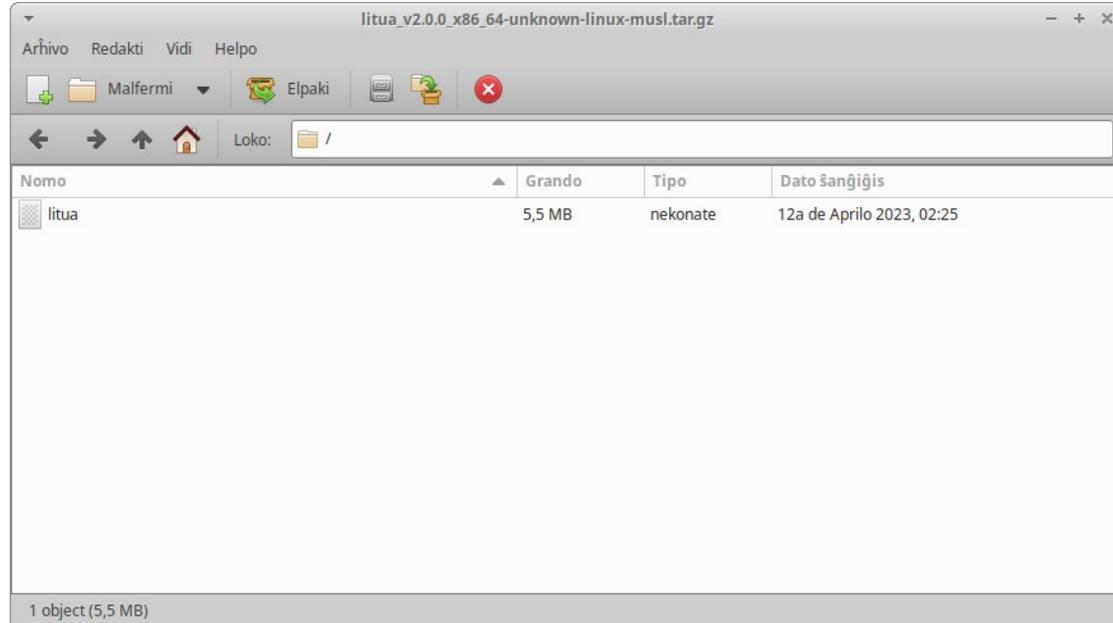
- address crate implementation through "litua" import
- update dependencies
- Use AsciiDoc not Markdown for README file

▼ Assets 12

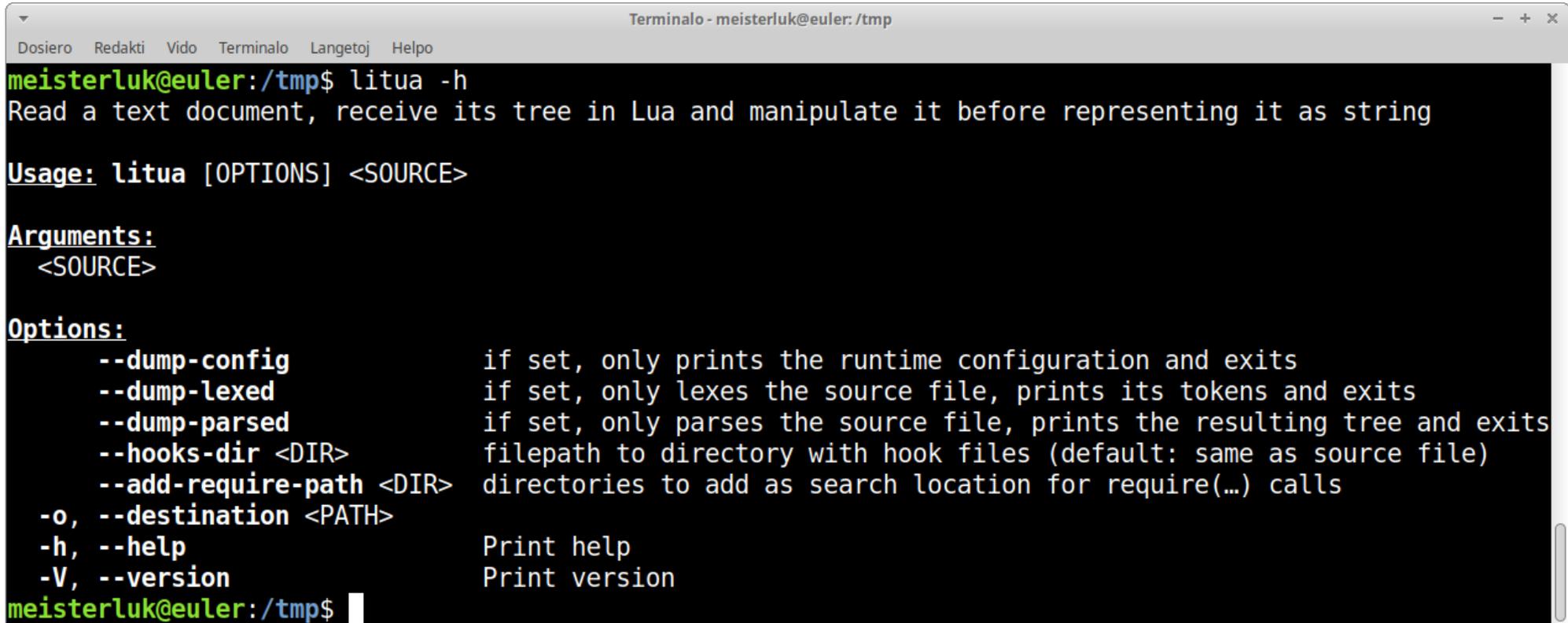
 litua_v2.0.0_x86_64-apple-darwin.zip	650 KB	3 days ago
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 litua_v2.0.0_x86_64-pc-windows-gnu.zip	1.92 MB	3 days ago
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 litua_v2.0.0_x86_64-unknown-linux-musl.tar.gz	1.52 MB	3 days ago
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 litua_v2.0.0_x86_64-unknown-linux-musl.tar.zst	1.51 MB	3 days ago
 litua_v2.0.0_x86_64-unknown-linux-musl.tar.zst.sha256sum	111 Bytes	3 days ago
 Source code (zip)		3 days ago
 Source code (tar.gz)		3 days ago



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```
Terminalo - meisterluk@euler: /tmp
Dosiero Redakti Vido Terminalo Langetoj Helpo
meisterluk@euler:~/tmp$ litua -h
Read a text document, receive its tree in Lua and manipulate it before representing it as string

Usage: litua [OPTIONS] <SOURCE>

Arguments:
  <SOURCE>

Options:
  --dump-config      if set, only prints the runtime configuration and exits
  --dump-lexed       if set, only lexes the source file, prints its tokens and exits
  --dump-parsed      if set, only parses the source file, prints the resulting tree and exits
  --hooks-dir <DIR>  filepath to directory with hook files (default: same as source file)
  --add-require-path <DIR> directories to add as search location for require(...) calls
  -o, --destination <PATH>
  -h, --help         Print help
  -V, --version      Print version
meisterluk@euler:~/tmp$
```

litua enum.lit

Grazer Linuxtage:

workshops

talks

info booths

lightning talks

litua enum.lit

Grazer Linuxtage:

{item workshops}

{item talks}

{item info booths}

{item lightning talks}

litua enum.lit

↳ enum.out

Grazer Linuxtage:

{item workshops}

{item talks}

{item info booths}

{item lightning talks}

litua enum.lit

Grazer Linuxtage:

{item workshops}

{item talks}

{item info booths}

{item lightning talks}

```
{ ["call"] = "document",  
  ["content"] = {  
    "Grazer Linuxtage:\n\n",  
    { ["call"] = "item", ["content"] = { "workshops" } },  
    { ["call"] = "item", ["content"] = { "talks" } },  
    { ["call"] = "item", ["content"] = { "info booths" } },  
    { ["call"] = "item", ["content"] = { "lightning talks" } } } }
```

\$EDITOR hooks.lua

```
{ ["call"] = "document",  
  ["content"] = {  
    "Grazer Linuxtage:\n\n",  
    { ["call"] = "item", ["content"] = { "workshops" } },  
    { ["call"] = "item", ["content"] = { "talks" } },  
    { ["call"] = "item", ["content"] = { "info booths" } },  
    { ["call"] = "item", ["content"] = { "lightning talks" } } } }
```

```
Litua.on_setup(function ()  
  Litua.global.enum = 0  
end)
```

```
Litua.convert_node_to_string("item", function (node)  
  Litua.global.enum = Litua.global.enum + 1  
  return "(" .. tostring(Litua.global.enum) .. ")" .. node.content[1]  
end)
```

litua enum.lit

Grazer Linuxtage:

{item workshops}

{item talks}

{item info booths}

{item lightning talks}

litua enum.lit

↳ enum.out

Grazer Linuxtage:

(1) workshops

(2) talks

(3) info booths

(4) lightning talks

litua glt.lit

{title Grazer Linuextage}

Grazer Linuextage is an annual event happening in **{location[linkto=osm] Graz, Austria}**. It emphasizes the importance of free software, open source software, and open hardware platforms and tries to bring those topics into the public by offering workshops, talks, information booths, and lightning talks on these domains.

litua glt.lit

```
{ ["call"] = "document",  
  ["content"] = {  
    { ["call"] = "title", ["content"] = { "Grazer Linuextage" } },  
    "\n\nGrazer Linuextage is an annual ...",  
    { ["call"] = "location",  
      ["args"] = { ["linkto"] = { "osm" } },  
      ["content"] = { "Graz, Austria" } },  
    ". It emphasizes the importance ..." } }
```

{title Grazer Linuextage}

Grazer Linuextage is an annual event happening in
{location[linkto=osm] Graz, Austria}. It emphasizes the
importance of free software, open source software, and open
hardware platforms and tries to bring those topics into the public
by offering workshops, talks, information booths, and lightning
talks on these domains.

hooks.lua

```
{ ["call"] = "document",
  ["content"] = {
    { ["call"] = "title", ["content"] = { "Grazer Linxutage" } },
    "\n\nGrazer Linxutage is an annual ...",
    { ["call"] = "location",
      ["args"] = { ["linkto"] = { "osm" } },
      ["content"] = { "Graz, Austria" } },
    ". It emphasizes the importance ..." } }
```

```
Litua.convert_node_to_string("title", function (node)
  return "<h1>" .. tostring(node.content[1]) .. "</h1>"
end)
```

```
Litua.convert_node_to_string("location", function (node)
  if node.args["linkto"][1] == "osm" then
    local hyperlink = "https://www.openstreetmap.org/search?query="
    hyperlink = hyperlink .. tostring(node.content[1]):gsub(" ", "+")
    return "<a href='" .. hyperlink .. "'>" .. tostring(node.content[1]) .. "</a>"
  else
    return tostring(node.content[1])
  end
end)
```

litua glt.lit

{title Grazer Linuextage}

Grazer Linuextage is an annual event happening in **{location[linkto=osm]** Graz, Austria}. It emphasizes the importance of free software, open source software, and open hardware platforms and tries to bring those topics into the public by offering workshops, talks, information booths, and lightning talks on these domains.

litua glt.lit

↳ glt.out

<h1>Grazer Linxutage</h1>

Grazer Linxutage is an annual event happening in **Graz, Austria**. It emphasizes the importance of free software, open source software, and open hardware platforms and tries to bring those topics into the public by offering workshops, talks, information booths, and lightning talks on these domains.

litua hooks

- `on_setup`
- `modify_initial_string`
- `read_new_node`
- `modify_node`
- `read_modified_node`
- `convert_node_to_string`
- `modify_final_string`
- `on_teardown`

litua examples

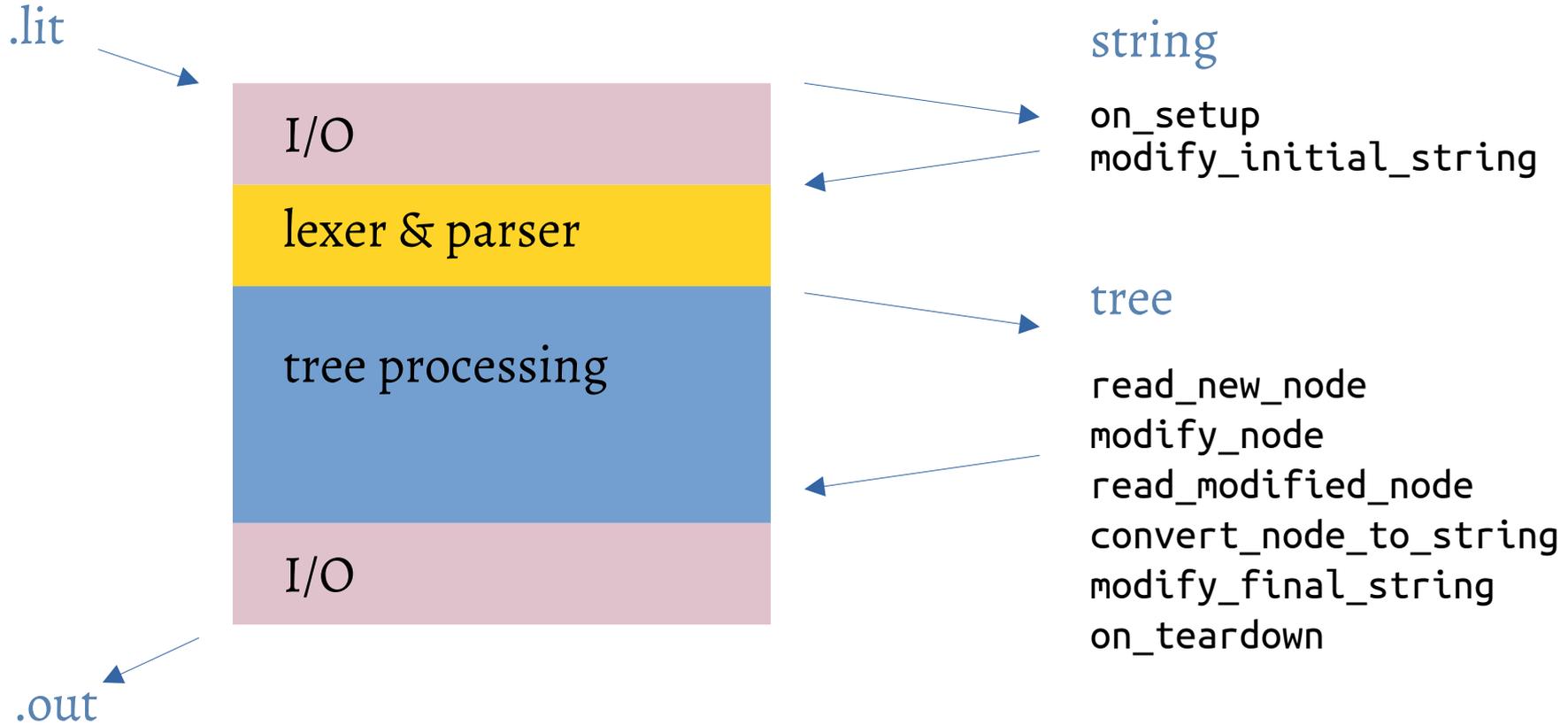
- **enumeration**
replace a call with an incrementing counter
- **replacements**
first define substitution pairs and then apply them
- **literate-programming**
define documentation and code block and write them to different files
- **markup**
serialize the tree to HTML5

litua examples

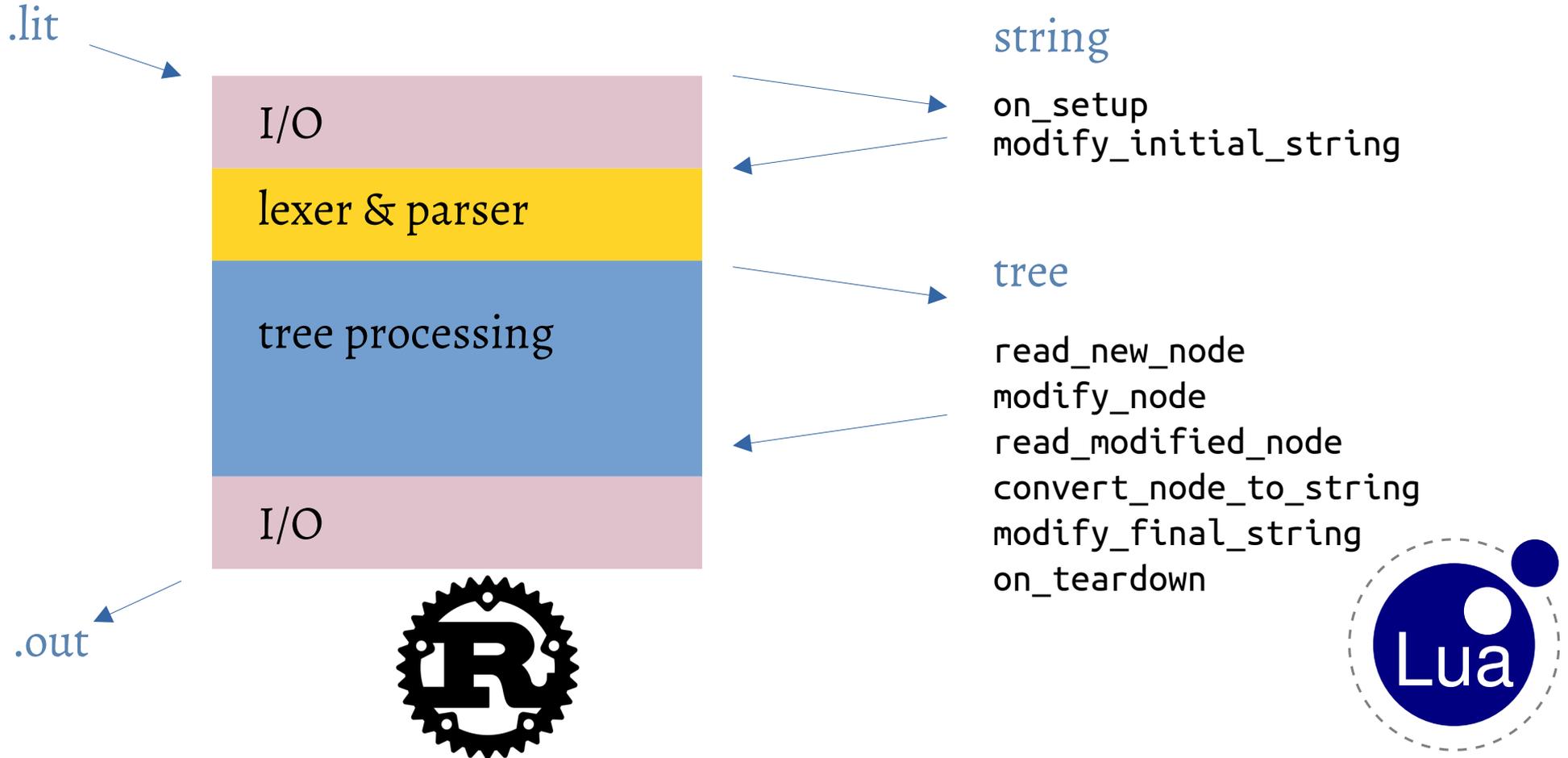
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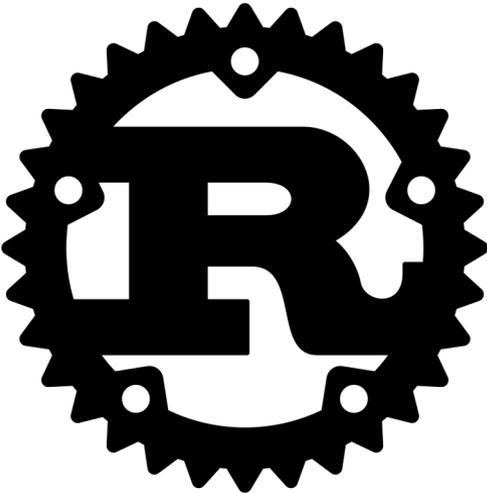
v2.1 with XML as input

litua software architecture

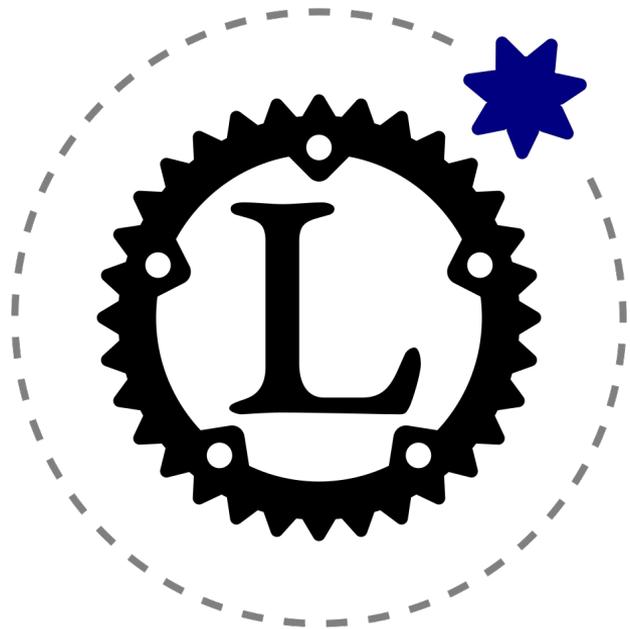


litua software architecture

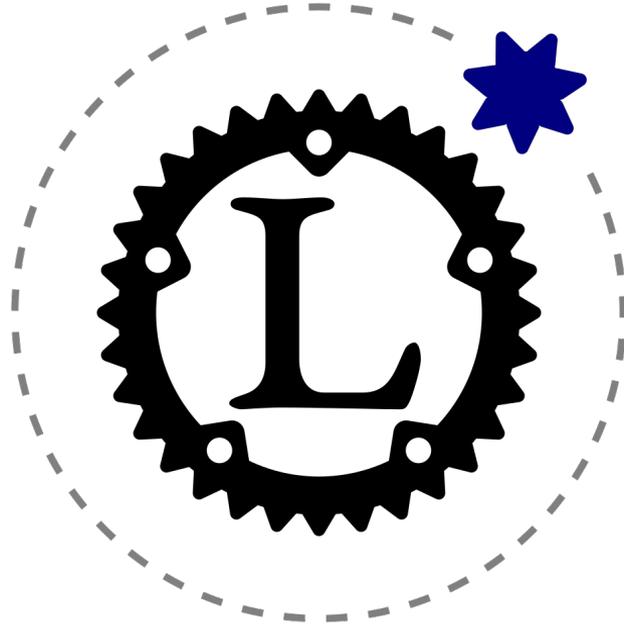








Tree transformation utility powered by Lua



<https://github.com/typho/litua>