

My Story: Paths I Learn Elixir

Since 2014



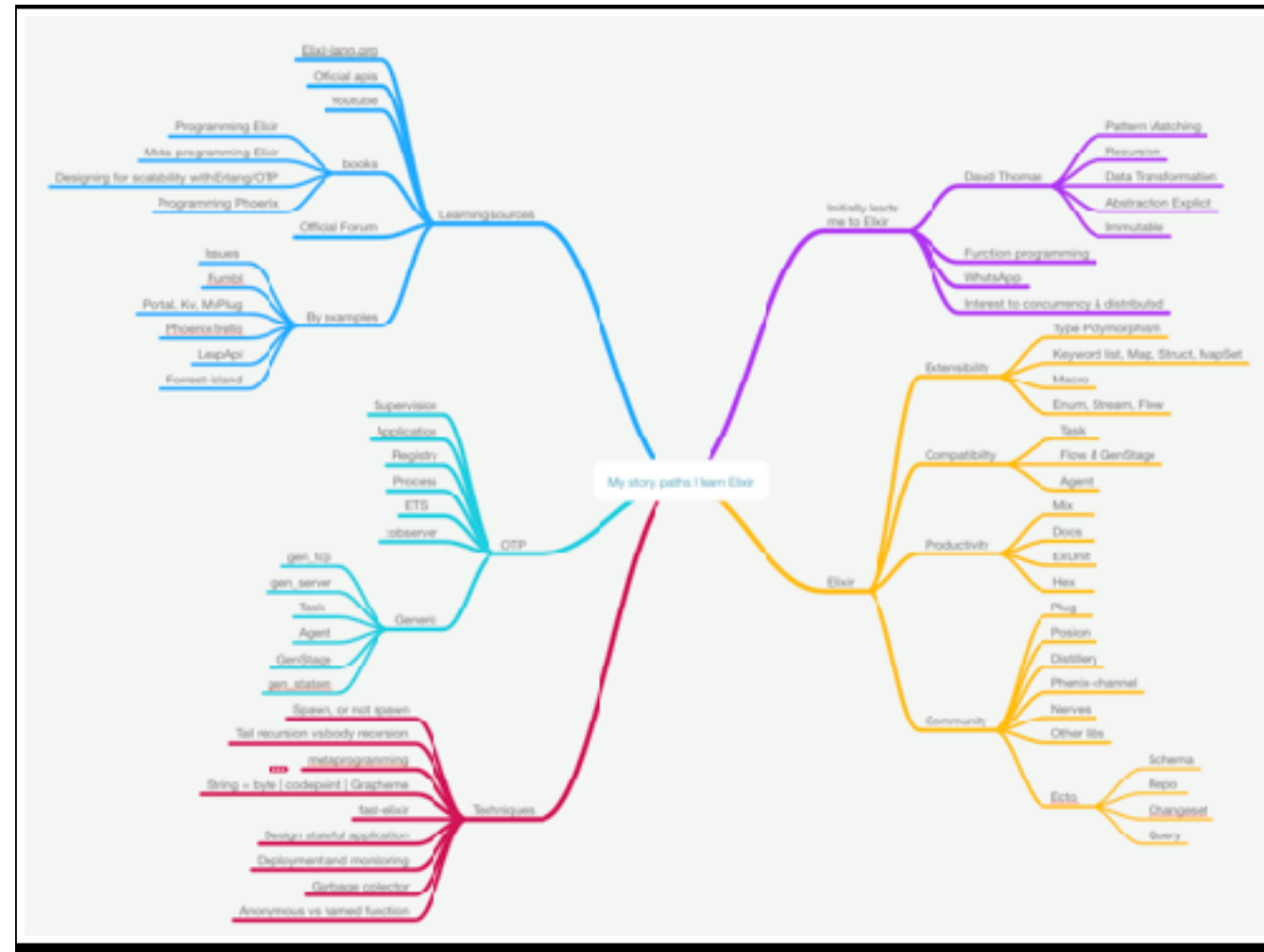
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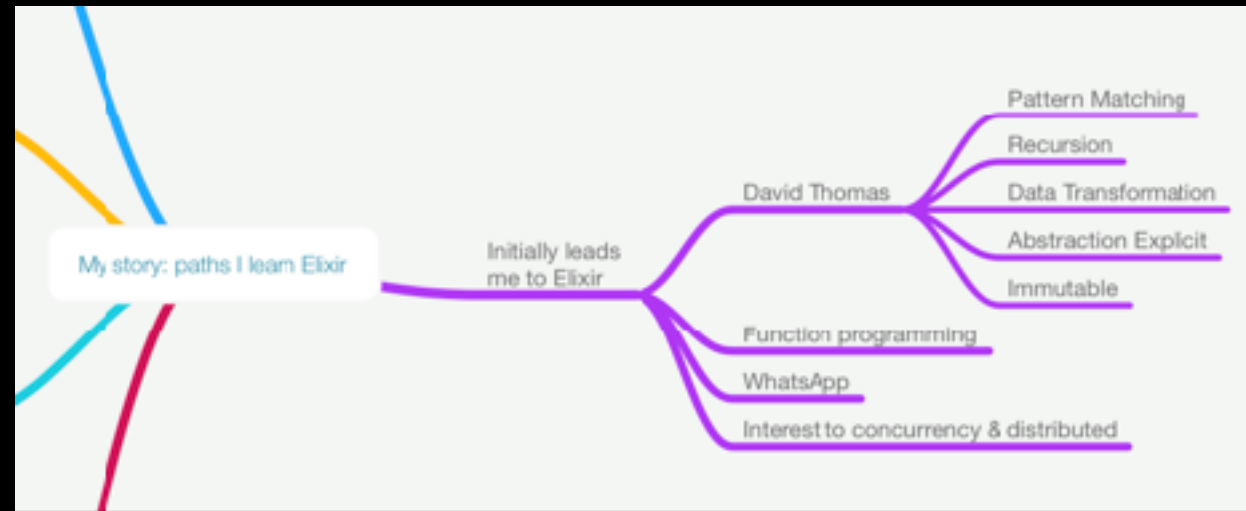
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Agenda

- 为什么走上Elixir/OTP这条道
- Elixir Language Goals
- Learning Suggestions
- Techniques

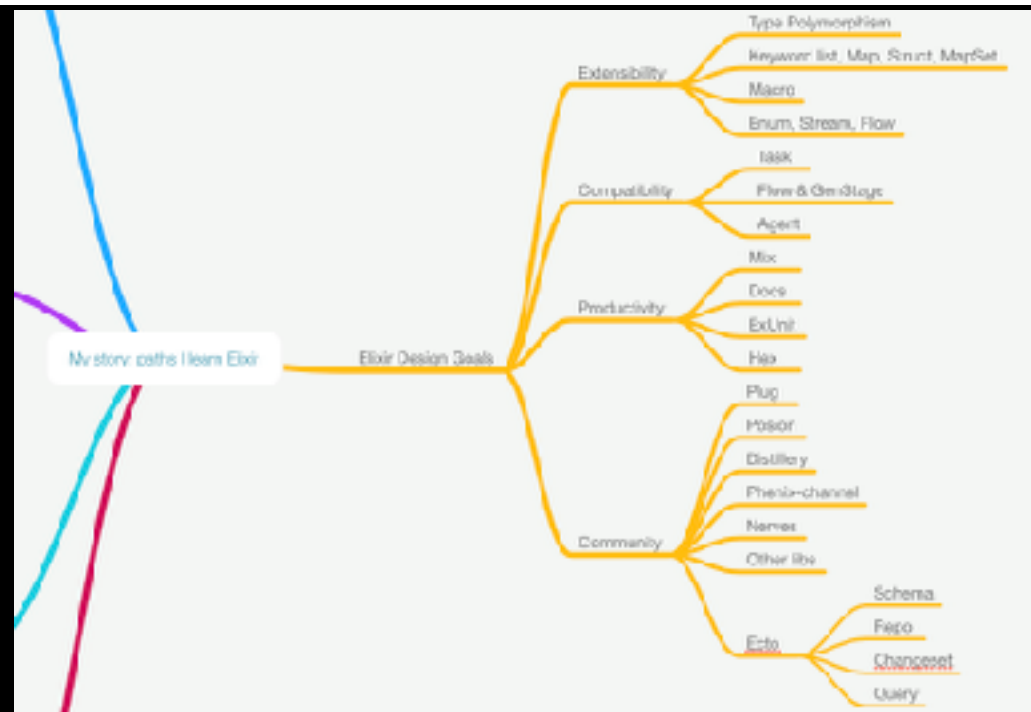
希望大家明白Elixir, Erlang, Erlang OTP的区别





为什么走上Elixir这条道

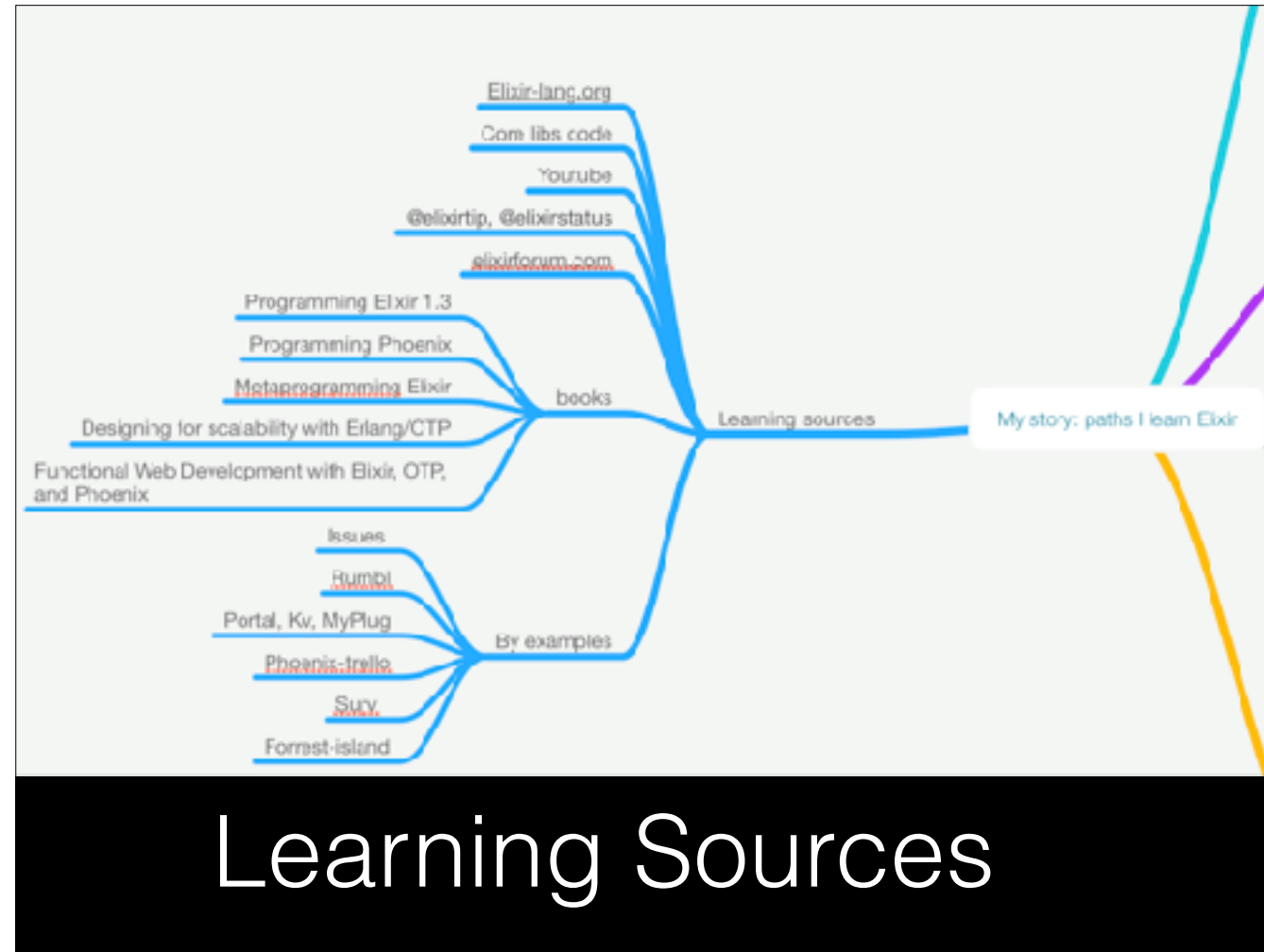
1. David Thomas @pragdave, who change my thinking, 特别是data transformation, thinking in invariant
2. Functional programming: Recursion. Lazy evaluation. Referential transparency. Eliminating side effects. Functions as first-class objects. Higher-level functions. Currying. Immutable data. Type systems. Pattern matching.
3. Facebook bought WhatsApp for \$19 billion in 2014; 50 engineers for 900 million users
4. 对并行计算, 分布式计算的好奇心; 明天属于parallel
5. Bleacher Report has gone from needing 150 servers to just five
6. Stateful app, state machine, github stars



Elixir语言 3个小目标

<https://elixir-lang.org/blog/2013/08/08/elixir-design-goals/>

介绍一下围绕3个设计目标Elixir都做了哪些工作，

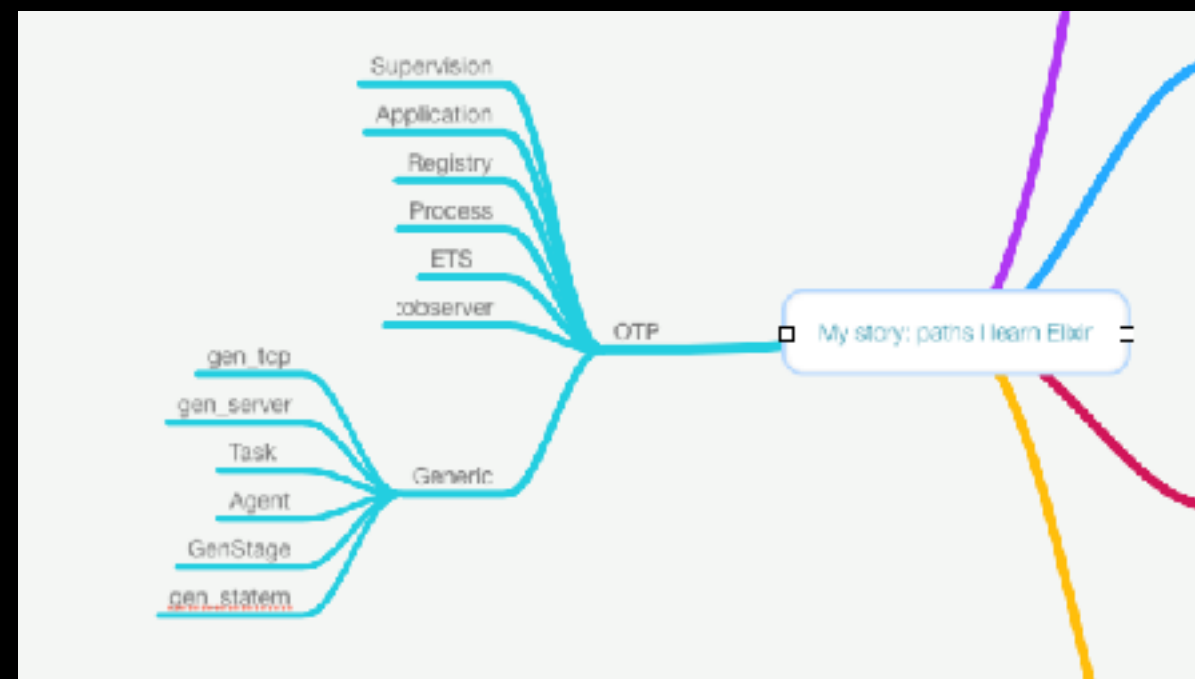


1. Programming elixir, programming phoenix, meta programming elixir, elixir-lang.org
2. iex, issues, rumbl, portal, kv, my-plug, hex, awesome elixir, dojo-toulouse/elixir-koans
3. Best code: Ecto, Plug, Hex
4. How to choose data structure, Enum, Stream, String, ETS, Protocol

Learning Suggestions

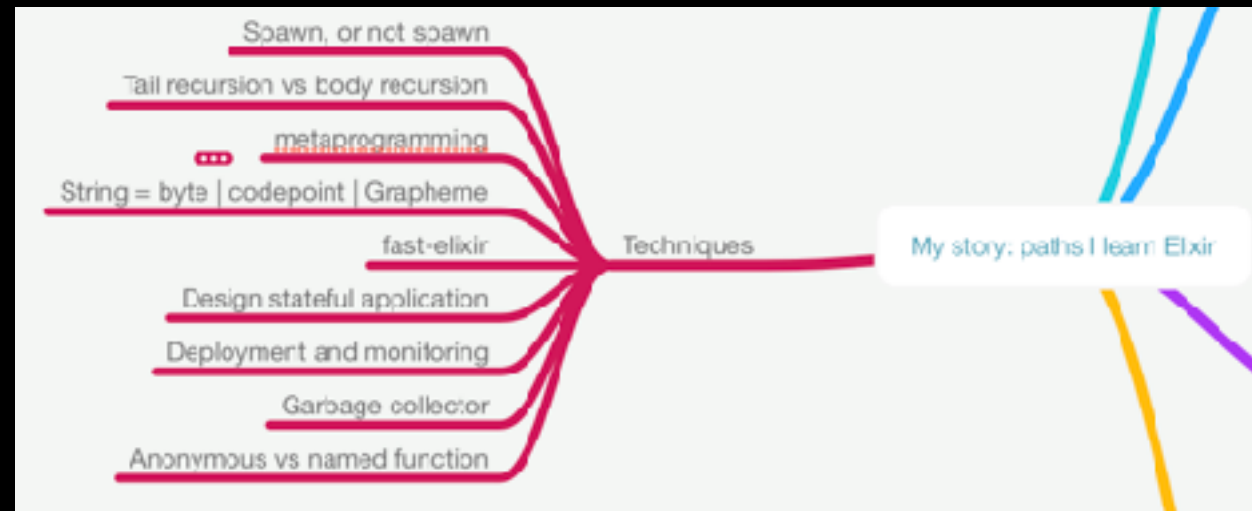
- Choose learning materials that suit you
- Learn from the best code
- Learn from examples
- Subject by subject
- Stay tuned with: @elixirtip, @elixirstatus, elixirforum.com, youtube

1. Programming elixir, elixir-lang.org 官方教材完全可以覆盖你需要了解Elixir语言的全部。在了解phoenix前可以先了解Plug和Ecto, authentication, web socket and channel, 再到programming phoenix。
2. 学习升级：分布式方向：erlang / OTP；elixir库开发： meta programming elixir。
3. iex, issues, rumbl, portal, kv, my-plug, hex, awesome elixir, dojo-toulouse/elixir-koans
4. Best code: Ecto, Plug, Hex
5. How to choose data structure, Enum, Stream, String, ETS, Protocol



Erlang/OTP

A Well Established Design Pattern, and Libs



Advance Techniques

问题?

Or, Pattern Matching