

Writing real-time web applications without the need of writing javascript.

Ruben Amortegui @ramortegui https://github.com/ramortegui

paradem

Agenda

- News
- Hands on! Phoenix.LiveView 101
 Simple counter with Phoenix.LiveView
- Case: Phoenix Trivia

News

- Elixir 1.9 released (June 24th)
 - Releases

Old News

https://elixirconf.com

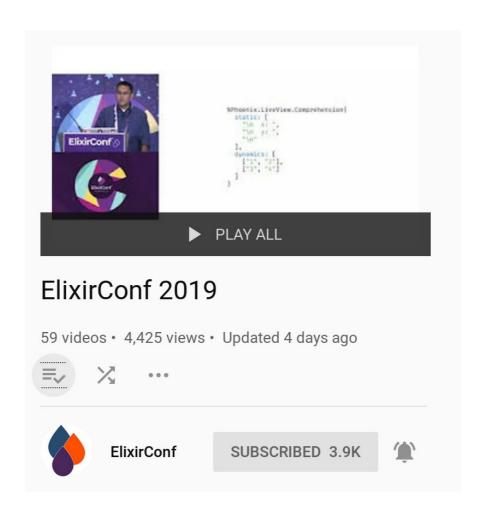


https://www.thebigelixir.com/

- THEBIGMEETUP2019 (-20%)



News



LiveView Talks

1

ElixirConf 2019 - Phoenix LiveView Demystified - Alex Garibay

ElixirConf

5 (NAME AND A 1 AND A

ElixirConf 2019 - How LiveView Handles File Uploads - Gary Rennie

ElixirConf

12 5:06

ElixirConf 2019 - Lighting Talk - Phoenix LiveView in Healthcare - Tyler Clemens

ElixirConf

28 Fracking 37:39

ElixirConf 2019 - Beyond LiveView: Building Real-Time... - Sophie DeBenedetto

ElixirConf



ElixirConf 2019 - Friday Evening Keynote - Chris McCord

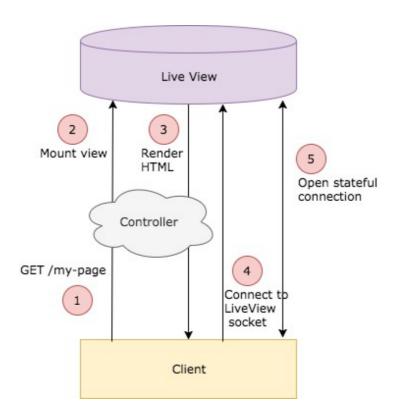
ElixirConf

 Phoenix LiveView enables rich, real-time user experiences with server-rendered HTML.

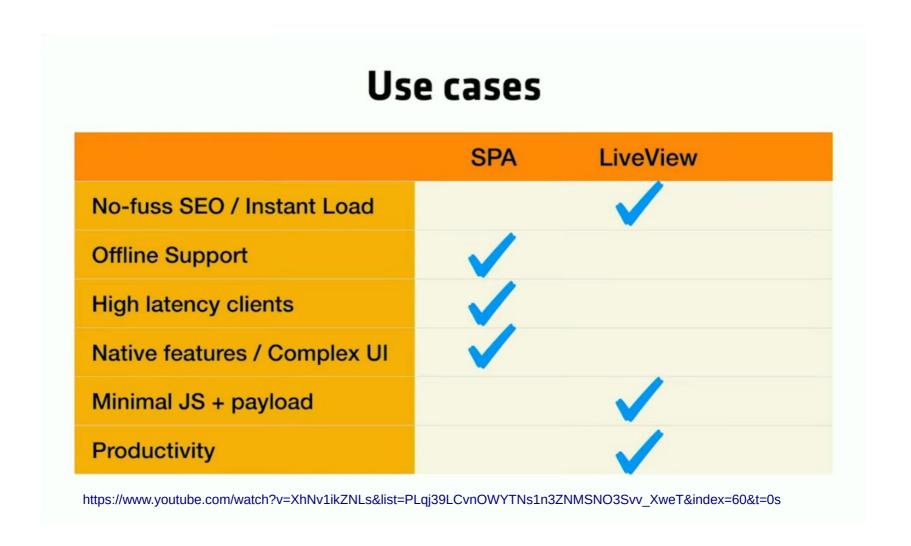
https://github.com/phoenixframework/phoenix_live_view

- Library
 - Elixir
 - Build on top of Phoenix.Channels
 https://hexdocs.pm/phoenix/channels.html
 - LiveView templates
 https://hexdocs.pm/phoenix_live_view/
 Phoenix.LiveView.Engine.html
 - Javascript
 - Manage custom events, and update the DOM using a library called morphdom.
 - https://github.com/patrick-steele-idem/morphdom

How it works?



https://elixirschool.com/blog/phoenix-live-view/



Phoenix.LiveView Samples

- https://github.com/chrismccord/phoenix_live_vie w_example
- https://live-view-collection.herokuapp.com/

Hands On!

Counter using Phoenix.LiveView

Summary Live View

- Add LiveView dependency
- Setup configuration (add signing salt)
- Import functions into the web context
- Enable the socket to connect using the /live route.
- Add Phoenix Live View javascript package as dependency.

Sample Web App

- Trivia Game
 - Multi-Player
 - Questions come from external service
 - Players can create a trivia game
 - Players can join a trivia game
 - Game timed
 - "Real-time" updates

https://en.wikipedia.org/wiki/Trivia

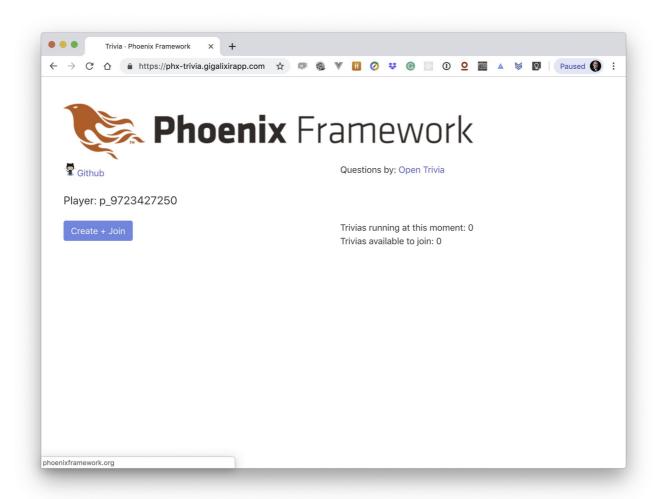
Data Structures

- Trivia.Player
- Trivia.Question
- Trivia.Game
- Trivia.GameServer
- Trivia.DynamicSupervisor

LiveView

```
defmodule TriviaWeb.Live.TriviaView do
  use Phoenix.LiveView
  alias Trivia.Game
  alias Trivia.GameServer
  alias Trivia.Player
  def render(assigns) do
   TriviaWeb.PageView.render("trivia.html", assigns)
  end
  def mount( session, socket) do
    if(connected?(socket), do: :timer.send interval(100, self(), :tick))
    player_name = "p #{:rand.uniform(10 000 000 000)}"
    socket =
      socket
      > assign(
        trivia: nil,
        process: nil,
        number of trivias: 0,
        number of available trivias: 0,
        available trivias: [],
        player name: player name,
        player info: nil
    {:ok, socket}
  end
```

https://phx-trivia.gigalixirapp.com



Q & A?

https://www.meetup.com/Elixir-Calgary/

Thanks!

@ramortegui

https://github.com/ramortegui