

Updates from the Elixir team

@elixirlang/elixir-lang.org

ajosevalim 105evalim



Agenda

- · Elixir v1.8
- · Elixir v1.9
- · What's next?

Versioning

- · Elixir follows semantic versioning
- · Current release is v1.8.2
- New minor releases every 6 months: no breaking changes!

Policies

- Erlang/OTP compatibility policy
- Security policy
- Deprecation policy
- https://hexdocs.pm/elixir/compatibility-anddeprecations.html

Elixif V1.8 (out right now)

Elixir v1.8

- · January/2019
- · 800+ contributors
- · 8 500+ packages on hex.pm
- 500 000 000+ downloads

```
defmodule User do
   defstruct [:id, :name, :age, :email, ...]
end

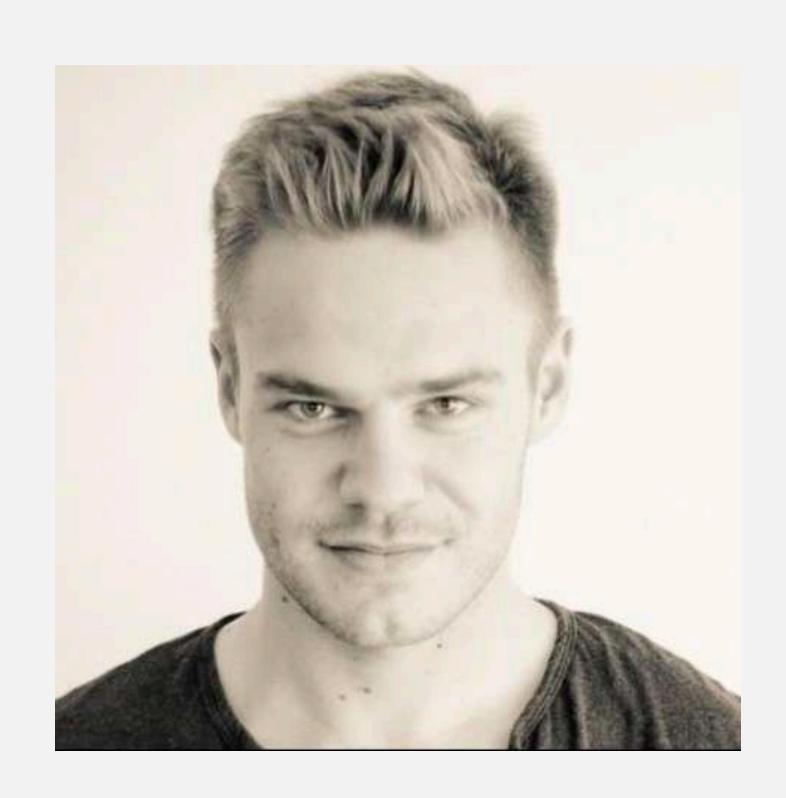
%User{name: "josé"}
%User{} = user
```

```
defmodule User do
  defstruct [:id, :name, :age, :email, ...]
end
%User{id: ..., name: ..., age: ..., email: ...}
```

```
defmodule User do
   @derive {Inspect, only: [:id, :name]}
   defstruct [:id, :name, :age, :email, ...]
end

#User<id: ..., name: ..., ...>
```

- Since Elixir v1.4 we have:
 - · Time
 - Date
 - NaiveDateTime
 - DateTime



- · Implemented the behaviour
- Developed the tzdata package
 - · Fetches data from IANA
 - Implements tzdb behaviour
 - Provides auto-updates

Elixirv1.9 (out soon)

Releases

Releases

```
$ mix new my_app
$ cd my_app
$ mix release
$ _build/dev/rel/my_app/bin/my_app start
```

Release executable

- · Start, restart and stop commands
- Supports RPC commands and a remote console
- Supports one-off commands
- Built-in command to install as a Windows service
- Built-in command to run as a UNIX daemon

Release configuration

- · Customizable vm.args
- · Customizable env.sh/env.bat
- · Build-time configuration
- Configuration providers
 - (aka runtime configuration without REPLACE_OS_VARS)

Thank yous!

- · Erlang/OTP
- Distillery
 - Thanks to Paul Schoenfelder
- Relx
 - Thanks to Tristan Sloughter

Elixir v2.0?

Elixir V1.10 (out eventually)

What's next?

- · The backlog is empty
- New versions will continue to come every 6 months
- · No plans for a major release
- Leverage improvements in and contribute to Erlang/OTP
- Most exciting developments come from the community



Thank you!

@elixirlang/elixir-lang.org