Architecting GenServers for Testability

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Hi, I'm Tyler.



Recovering C++ developer

Fell in love with Elixir near the end of 2019

Team lead writing Elixir & Elm at Enbala (we're hiring \Leftrightarrow)



"I'm not an expert, I'm just a dude."

Scott Schurr, CppCon 2015

You won't agree with everything I say.

You might be right, or we might both be right, but coming from different contexts.



Separation of concerns + Keeping closely related logic together



Reduce coupling + increase cohesion



Reduce coupling + increase cohesion

Explicit is better than implicit

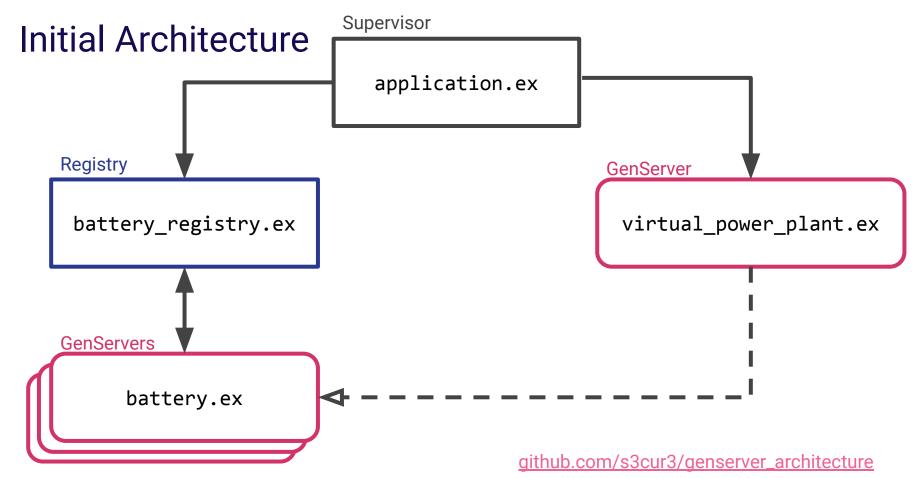


Reduce coupling + increase cohesion

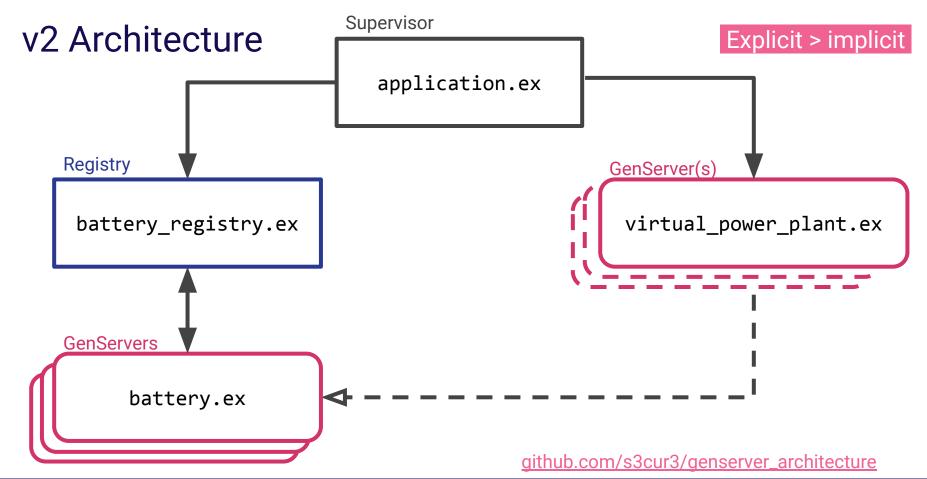
Explicit is better than implicit

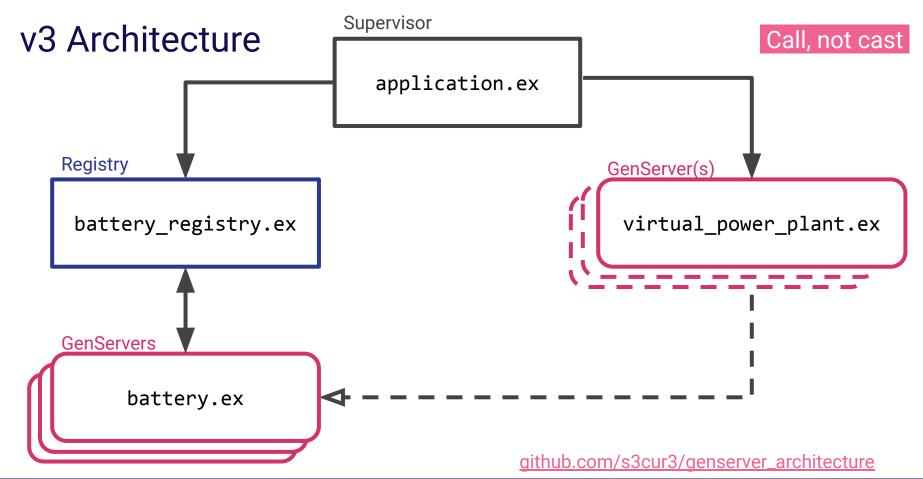
Prefer call over cast

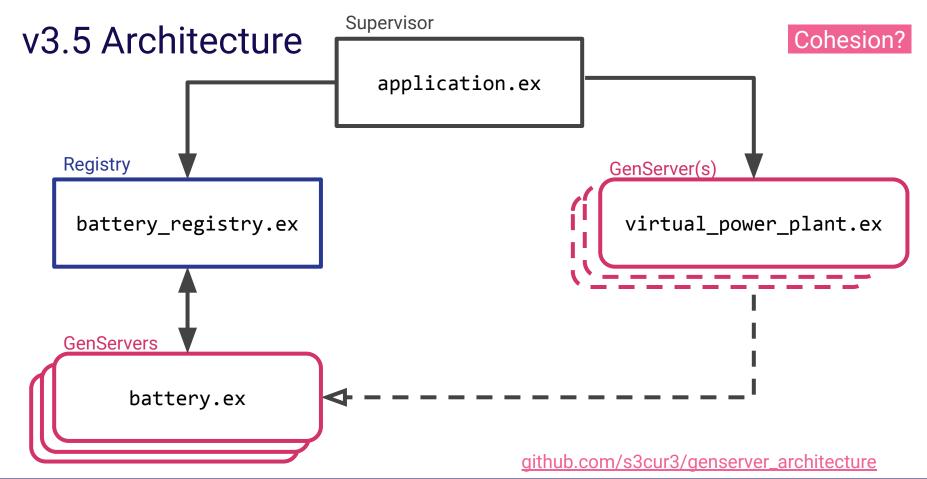






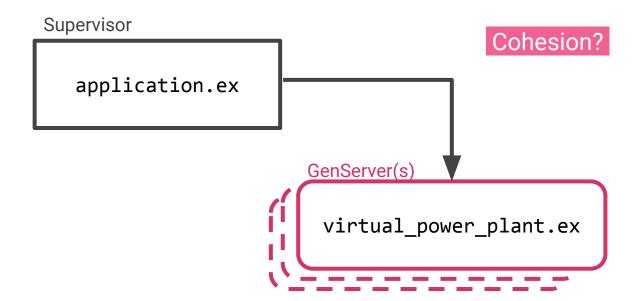




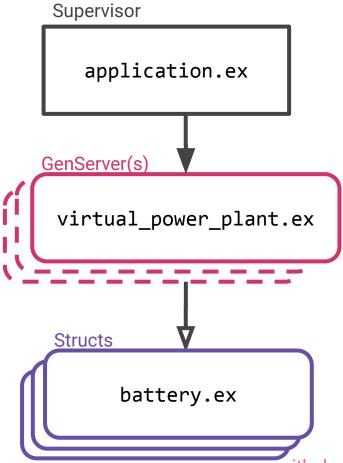




v3.5 Architecture

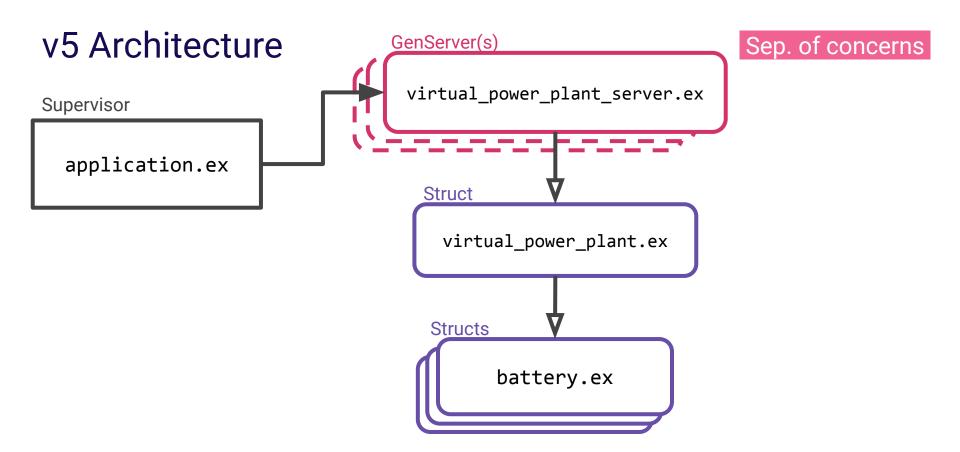


v4 Architecture

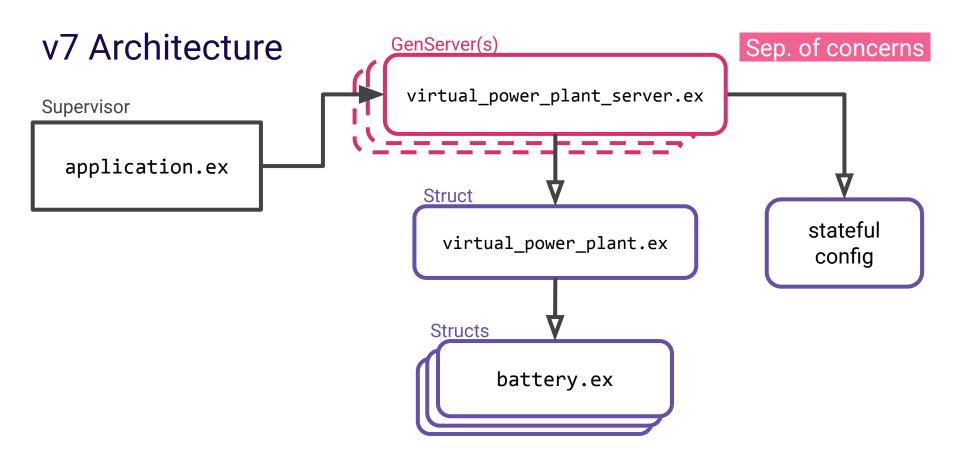


Sep. of concerns











Recap

- Reduce coupling + increase cohesion
- Prefer call over cast
- Explicit is better than implicit
- <u>@TylerAYoung</u> on Twitter with questions & comments
- Enbala is always hiring Elixir devs!
- <u>enbala.com/careers/</u>

