

OTP Workshop

Umbrella Applications and Case Studies

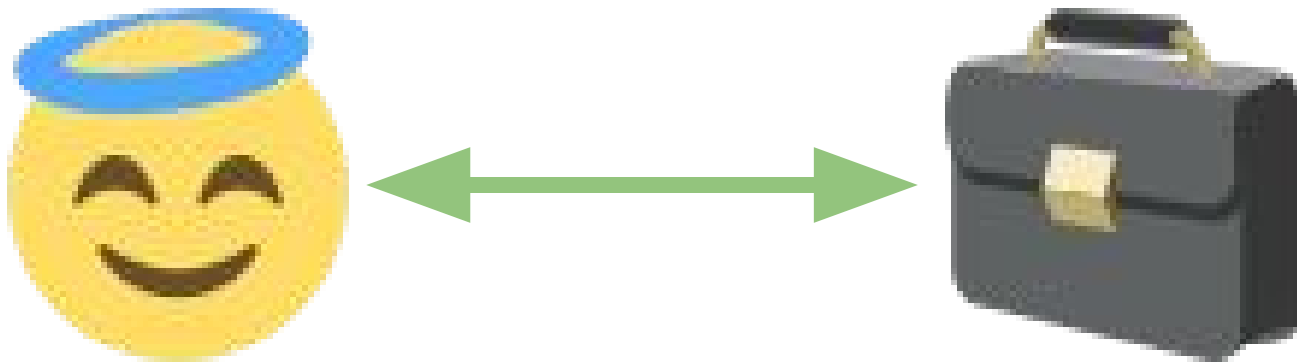
Umbrella Applications

- Separation of concerns/functionality
- Isolated from each others faults
- Share configuration and dependencies
- Package subset of applications in different releases/nodes

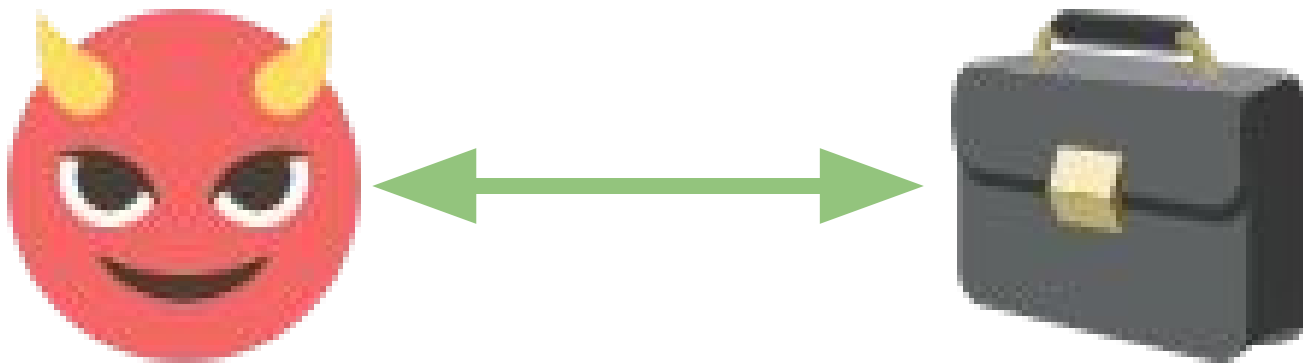
Registry

- register_name/2
- whereis_name/1
- unregister_name/1
- send/2

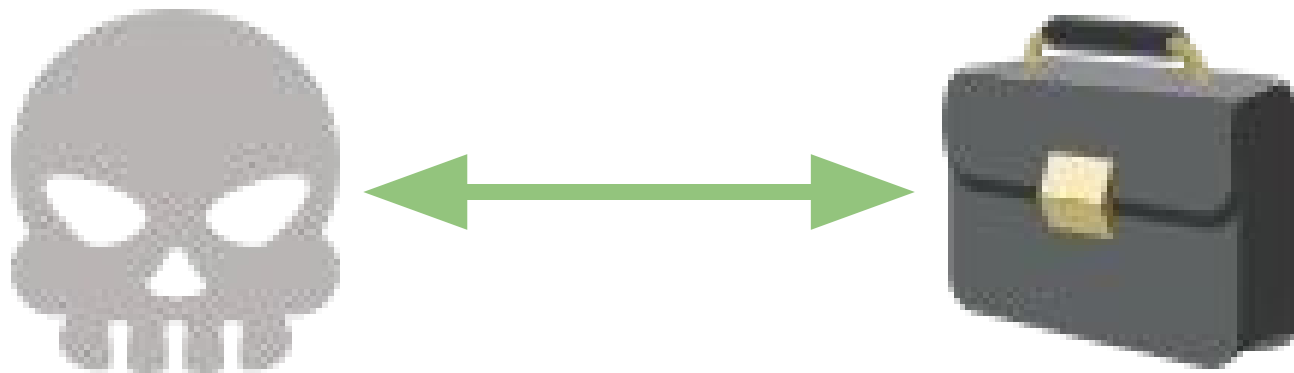
Registry



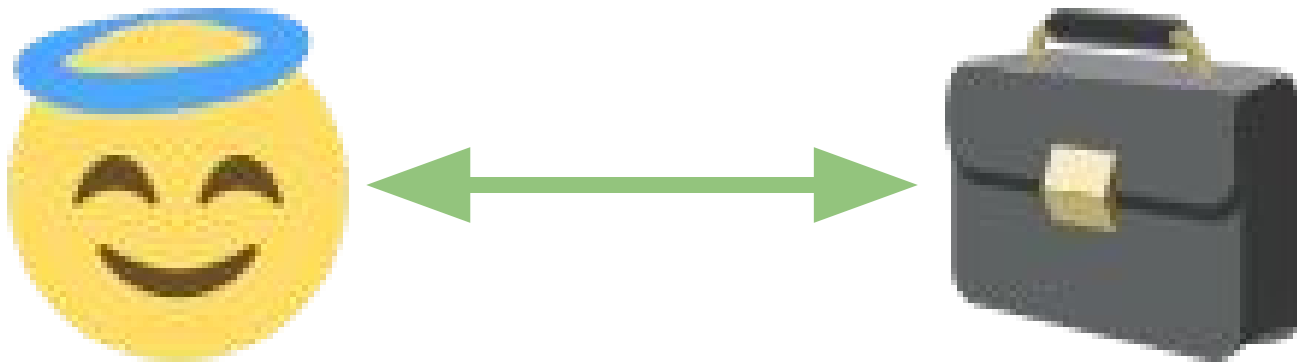
Registry



Registry



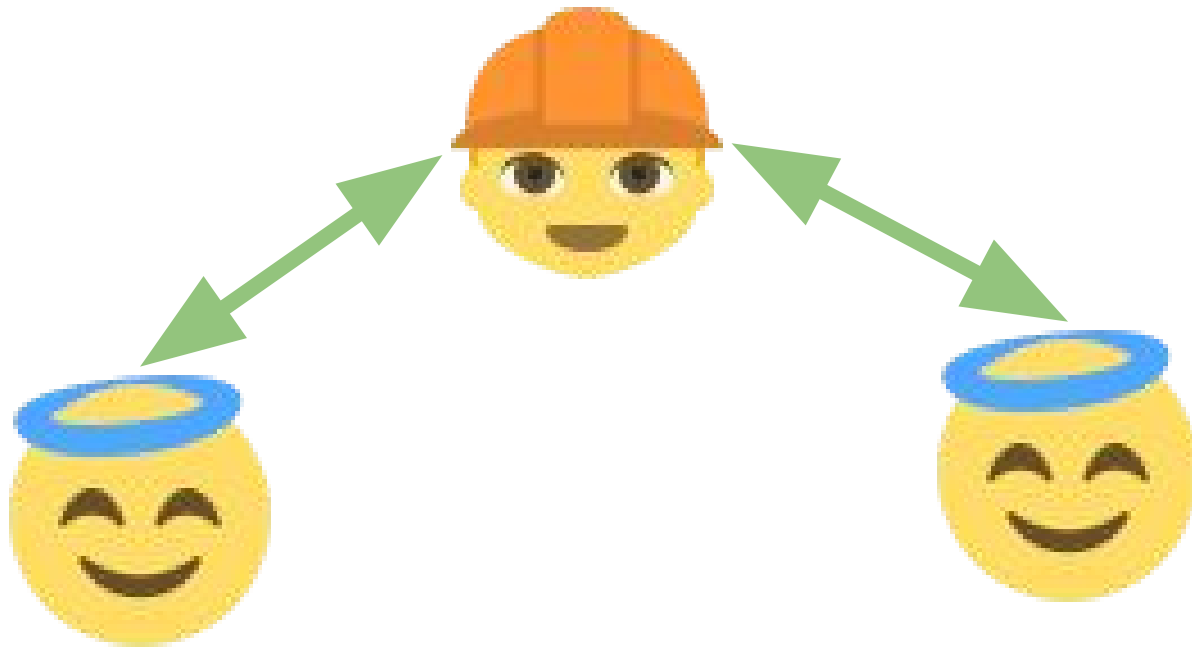
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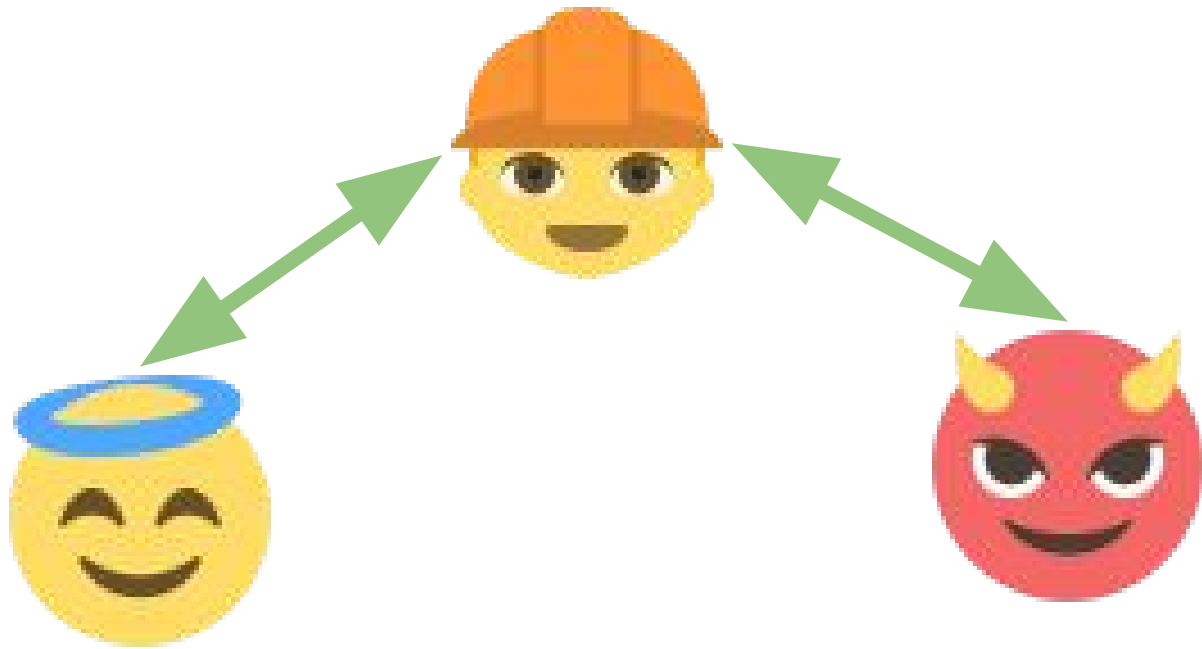
Concurrency Limiter

- ask/1
- done/2
- run/2

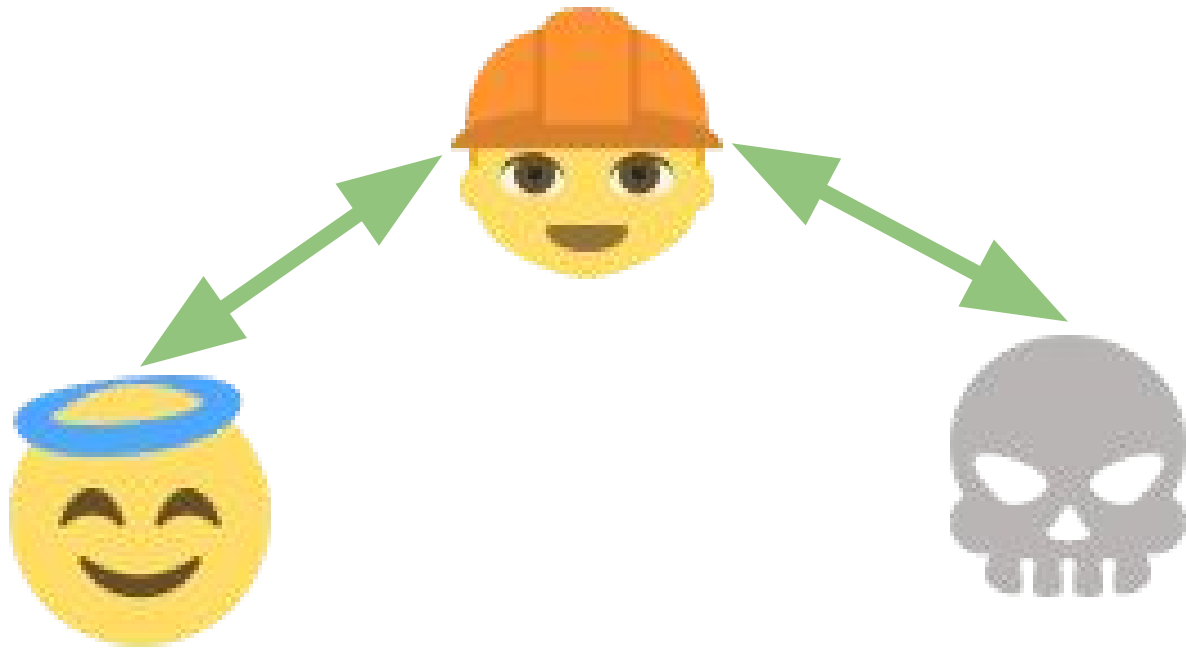
Concurrency Limiter



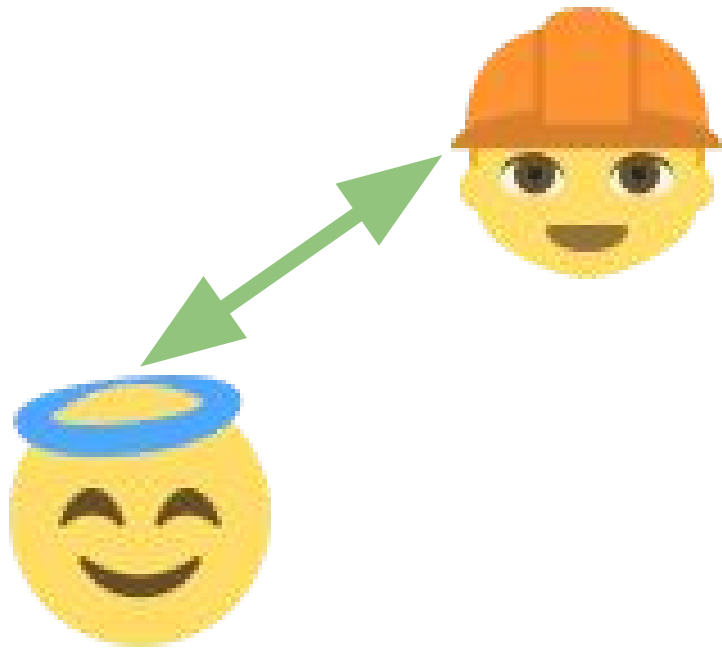
Concurrency Limiter



Concurrency Limiter



Concurrency Limiter



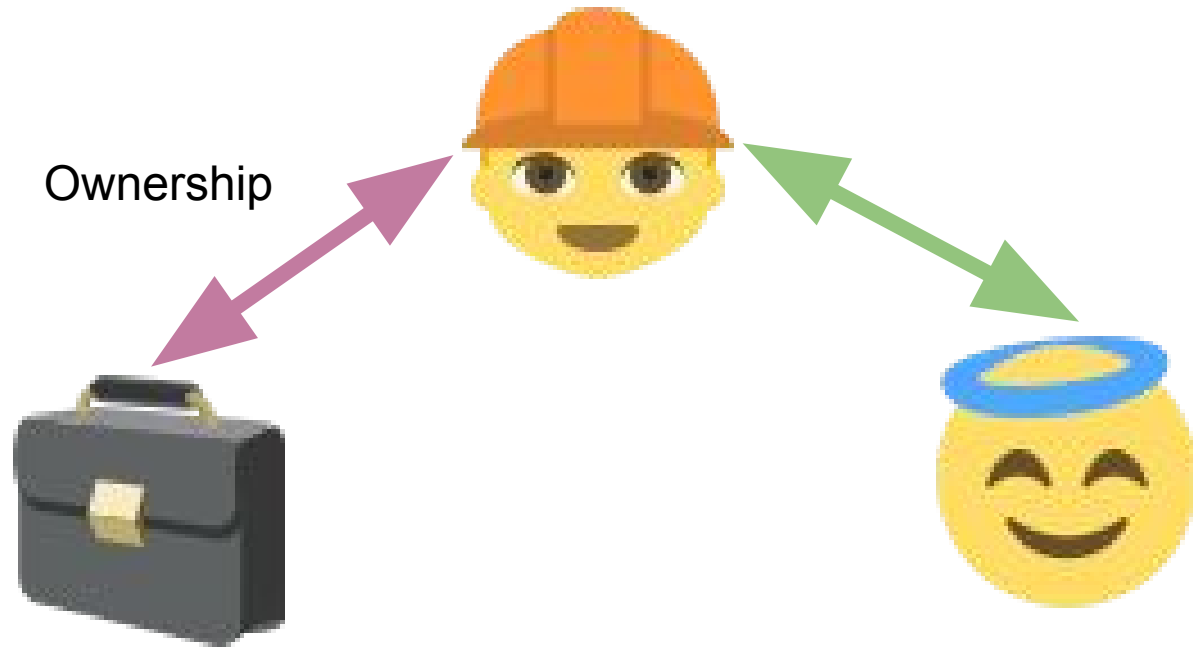
Concurrency Limiter



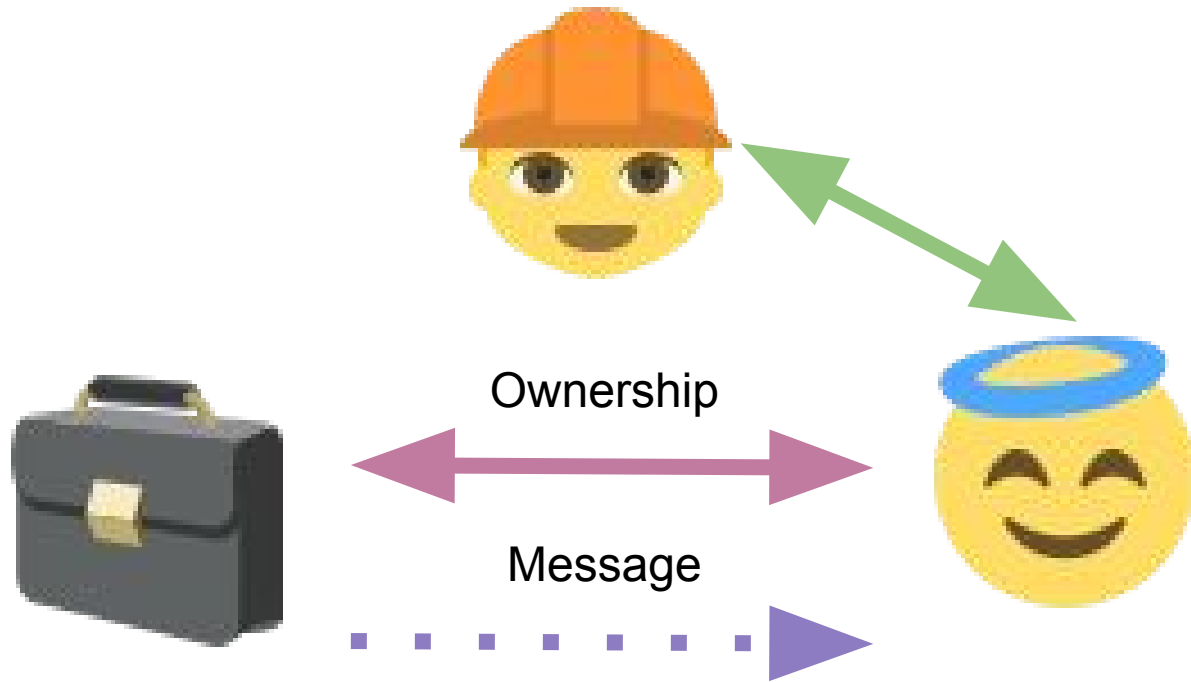
ETS Supervisor

- `:ets.new/2`
- `:ets.setopts/3`
- `:ets.give_away/3`
- `{:heir, pid, message}`
- `{:"ETS-TRANSFER", table, pid, message}`

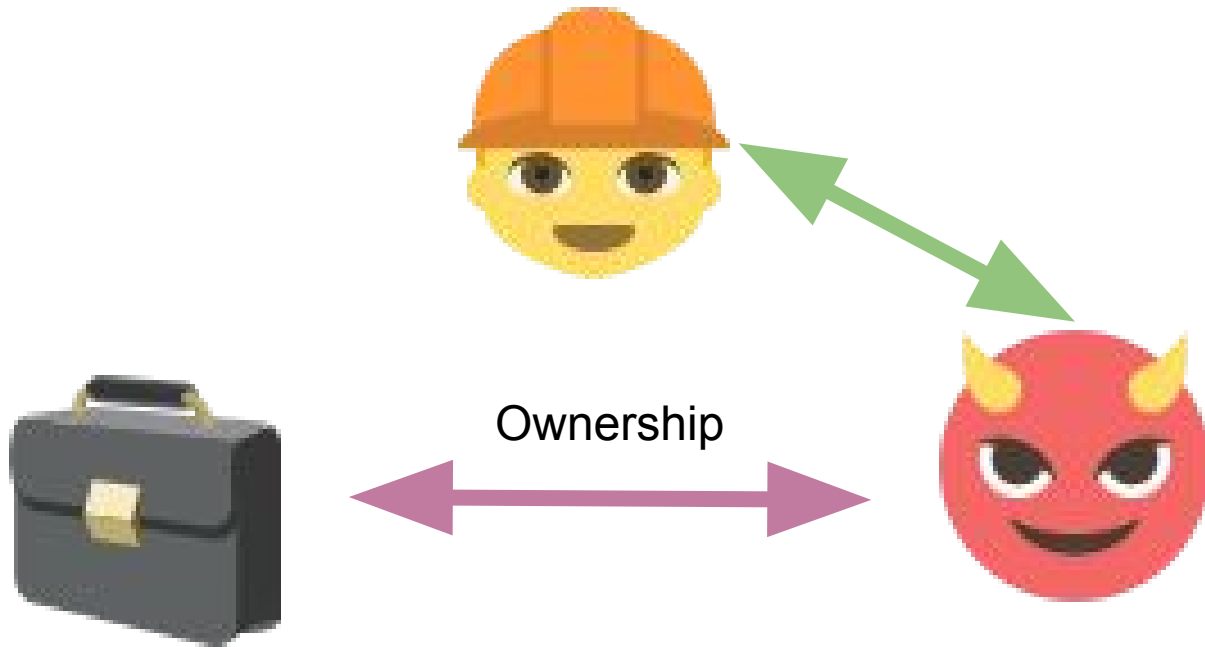
ETS Supervisor



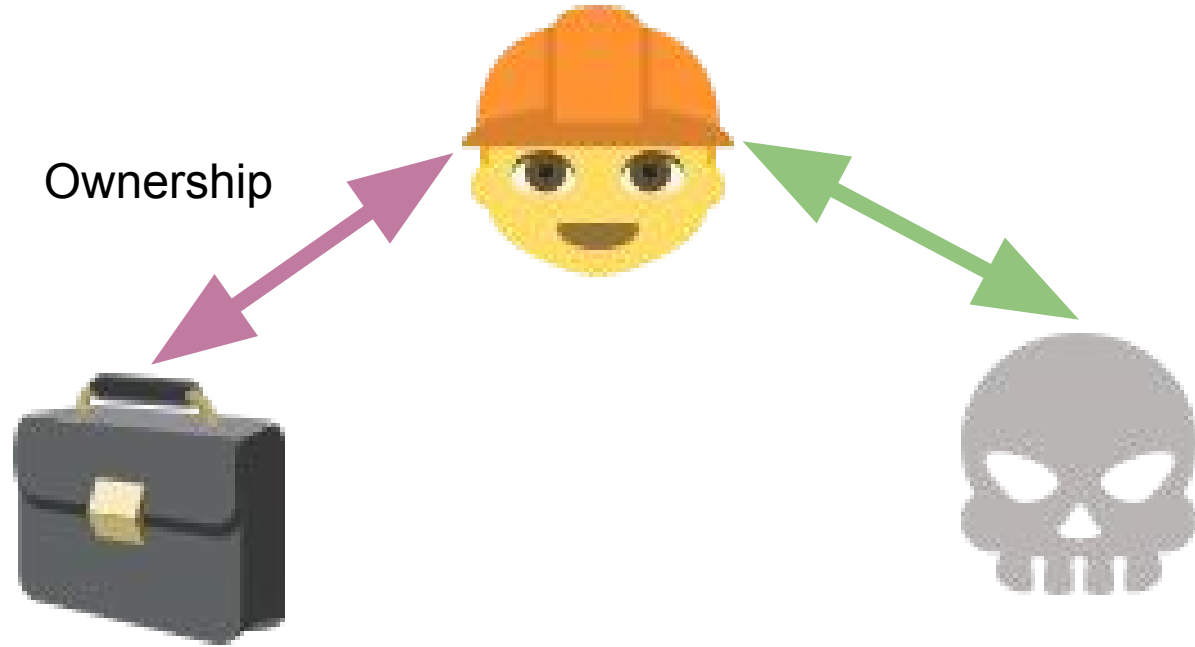
ETS Supervisor



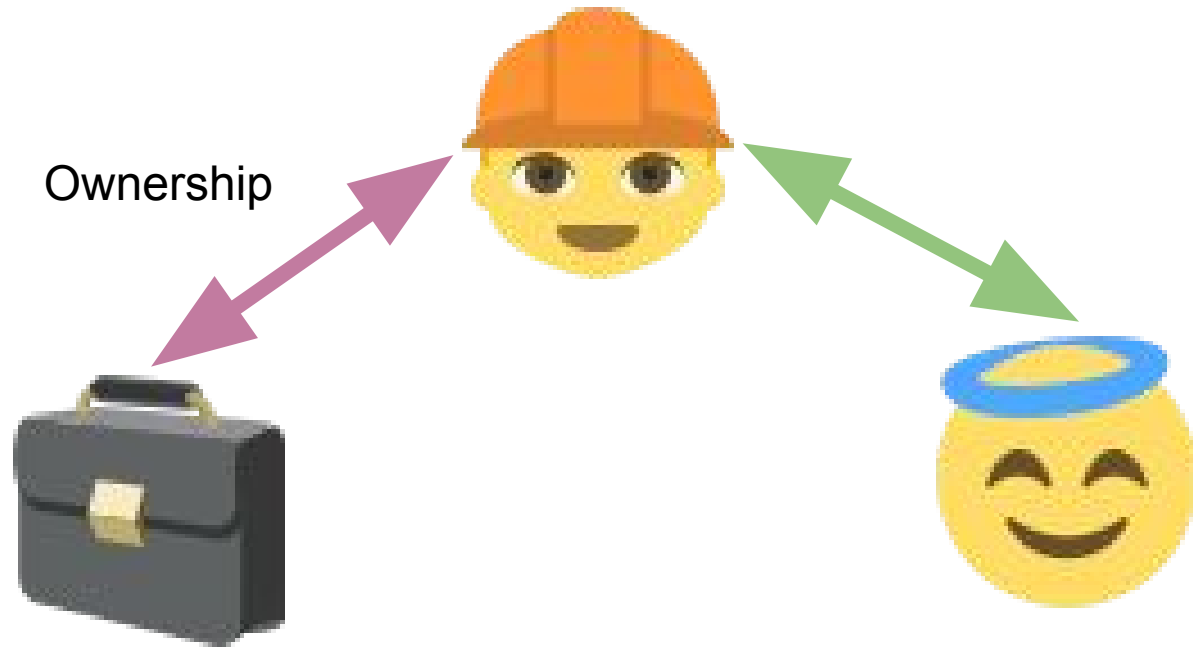
ETS Supervisors



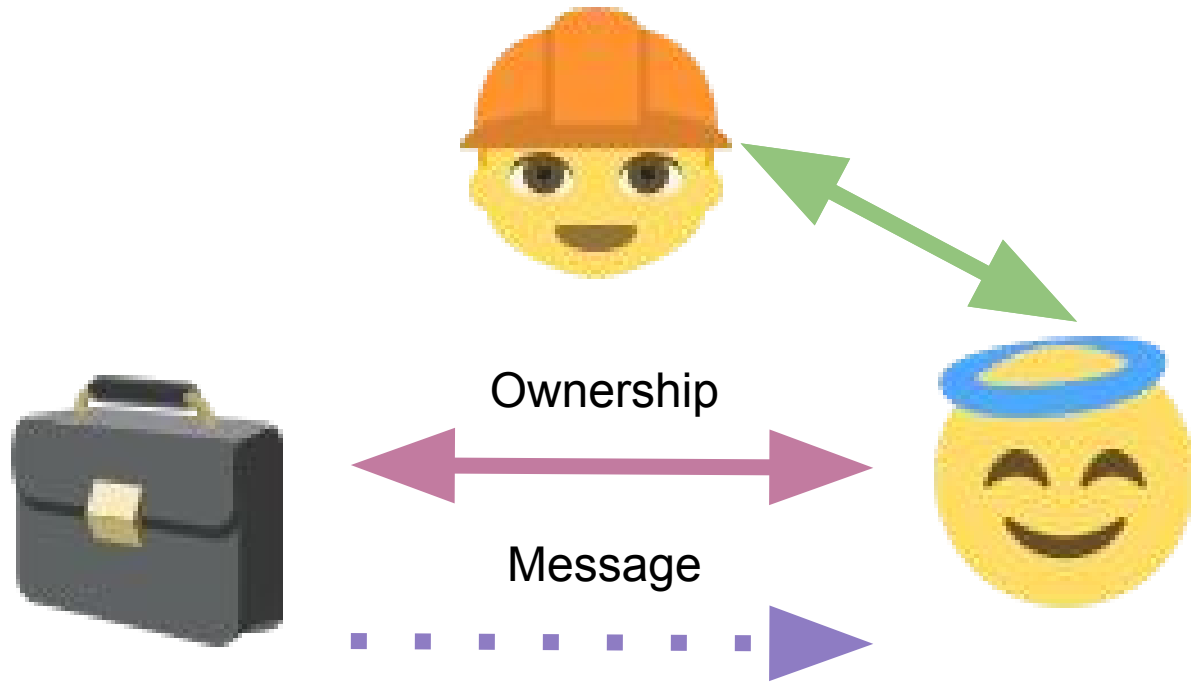
Supervisors



ETS Supervisor



ETS Supervisor



Implement them!



Well done!