

# The Soul of Erlang and Elixir

*Saša Jurić*



Erlang      Elixir      Alpaca  
LFE      Gleam

Erlang

Elixir

Alpaca

LFE

Gleam

**BEAM**



# process

...

foo (...)

...

```
...  
spawn (fn -> ... end)  
...
```

## process A

...

foo(...)

...

## process B

...

bar(...)

...

**process A**

```
send(  
  process_b,  
  some_message  
)
```



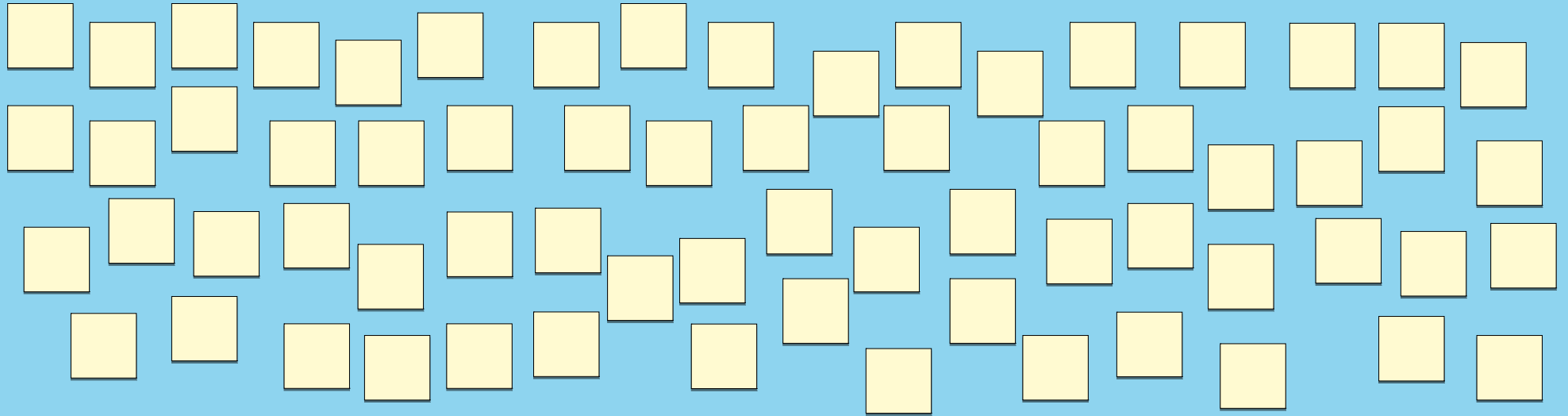
**process B**

```
receive do  
  message ->  
    handle(message)  
end
```

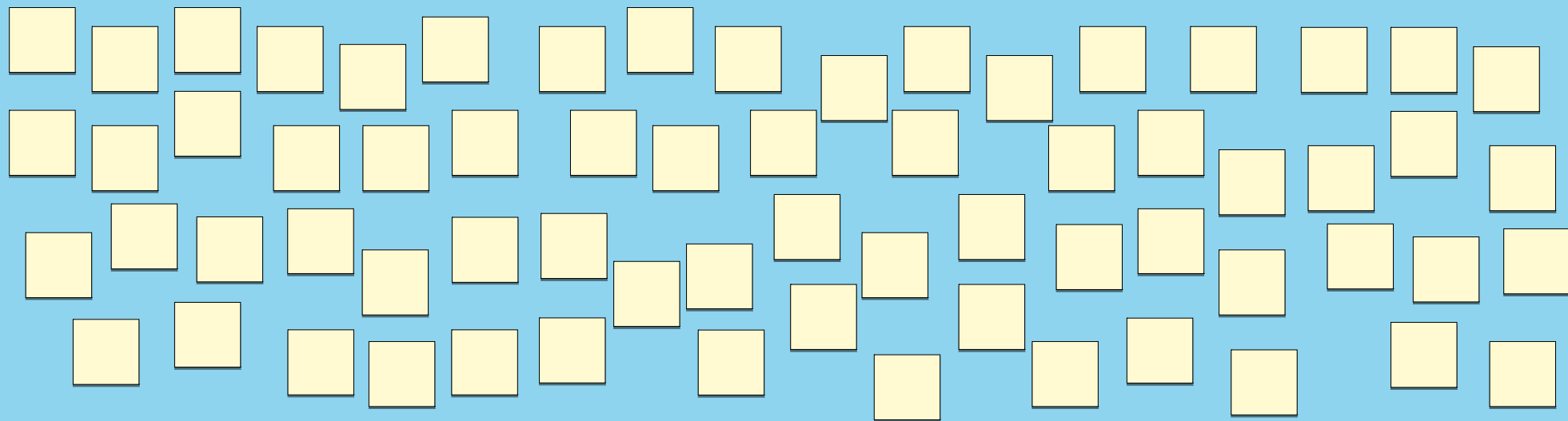


# BEAM (Erlang VM)

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scheduler

scheduler

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scheduler

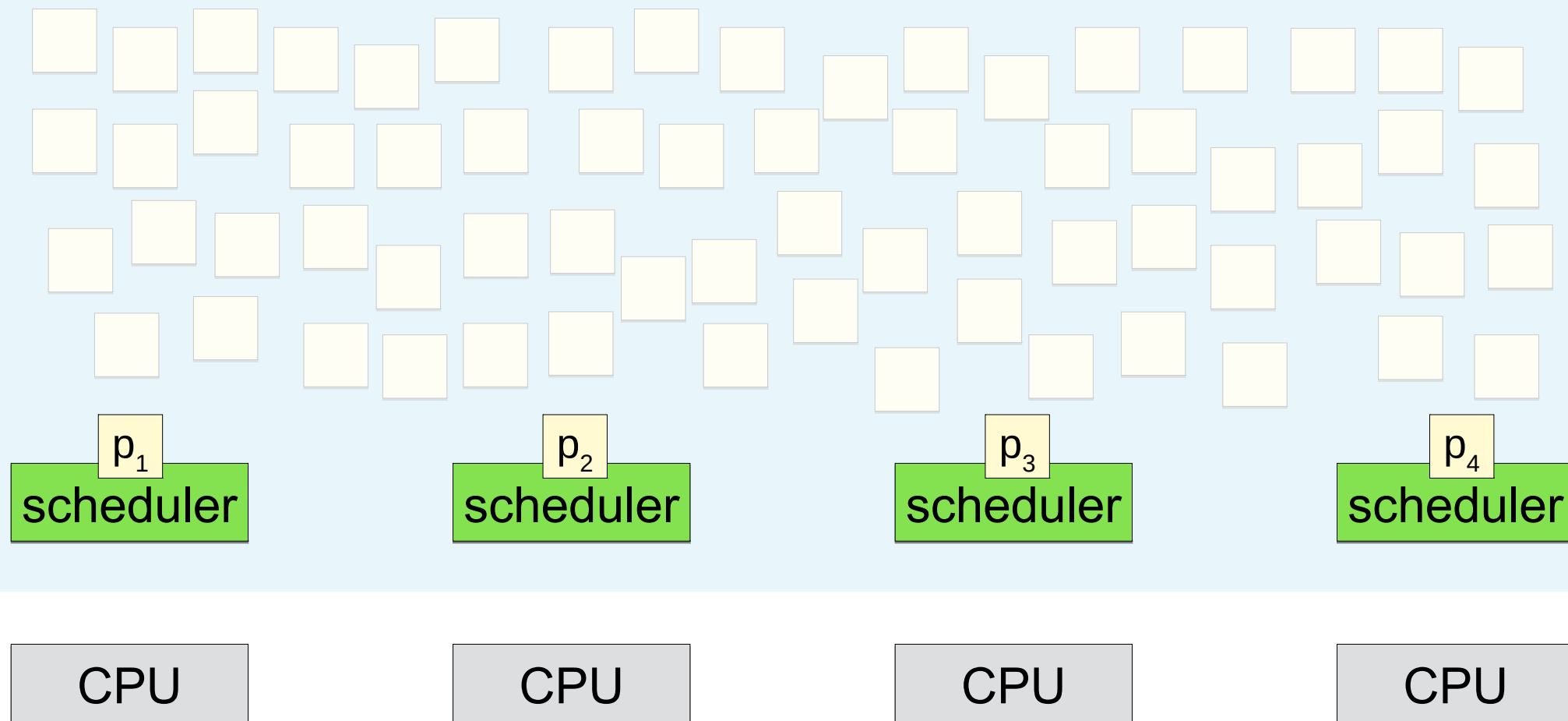
CPU

CPU

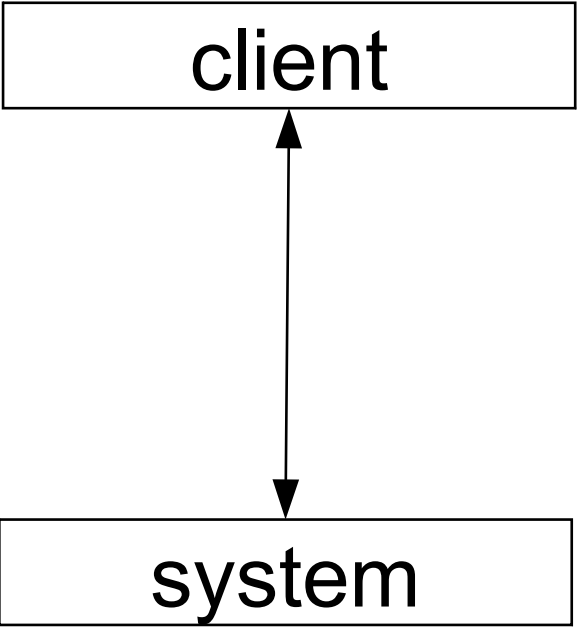
CPU

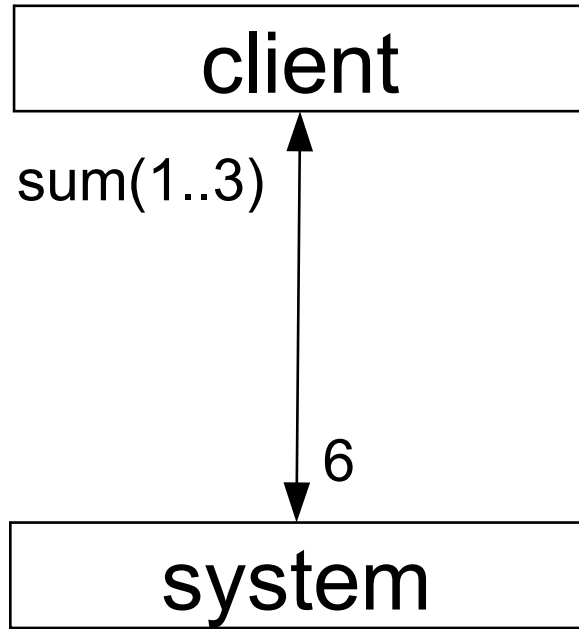
CPU

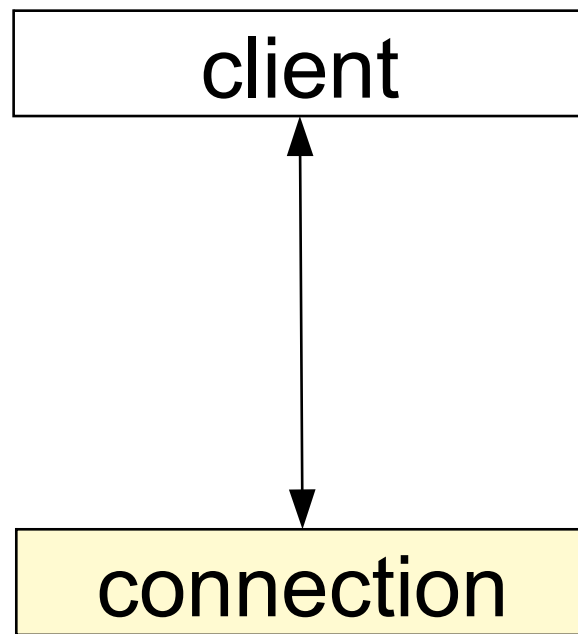
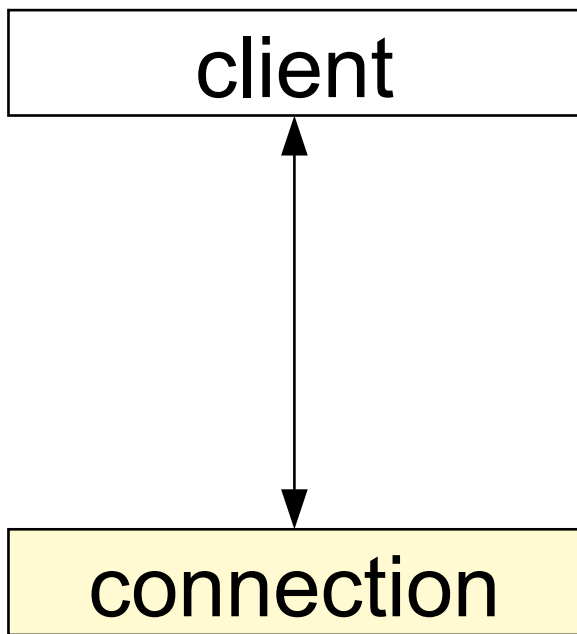
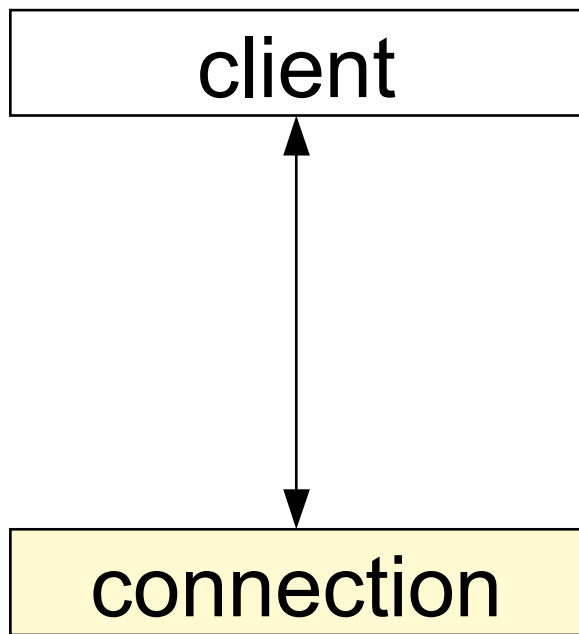
# BEAM (Erlang VM)



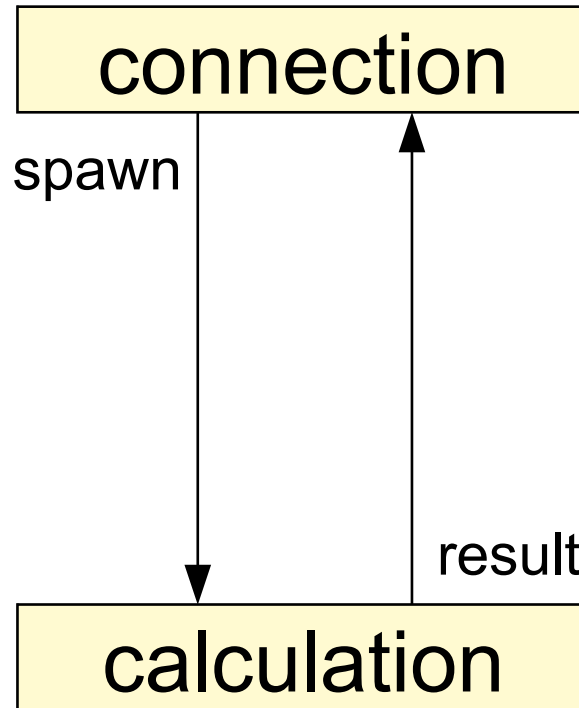




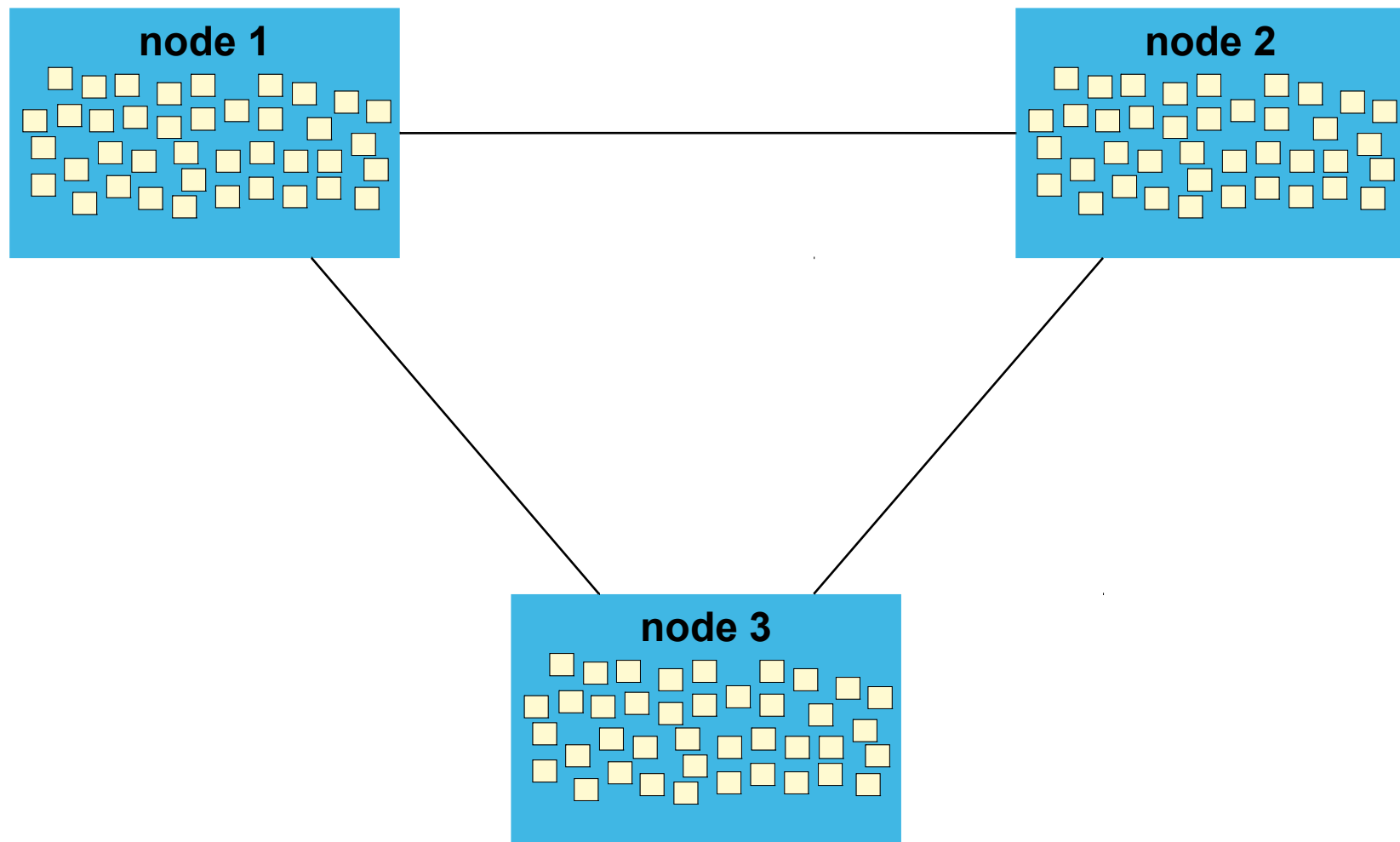






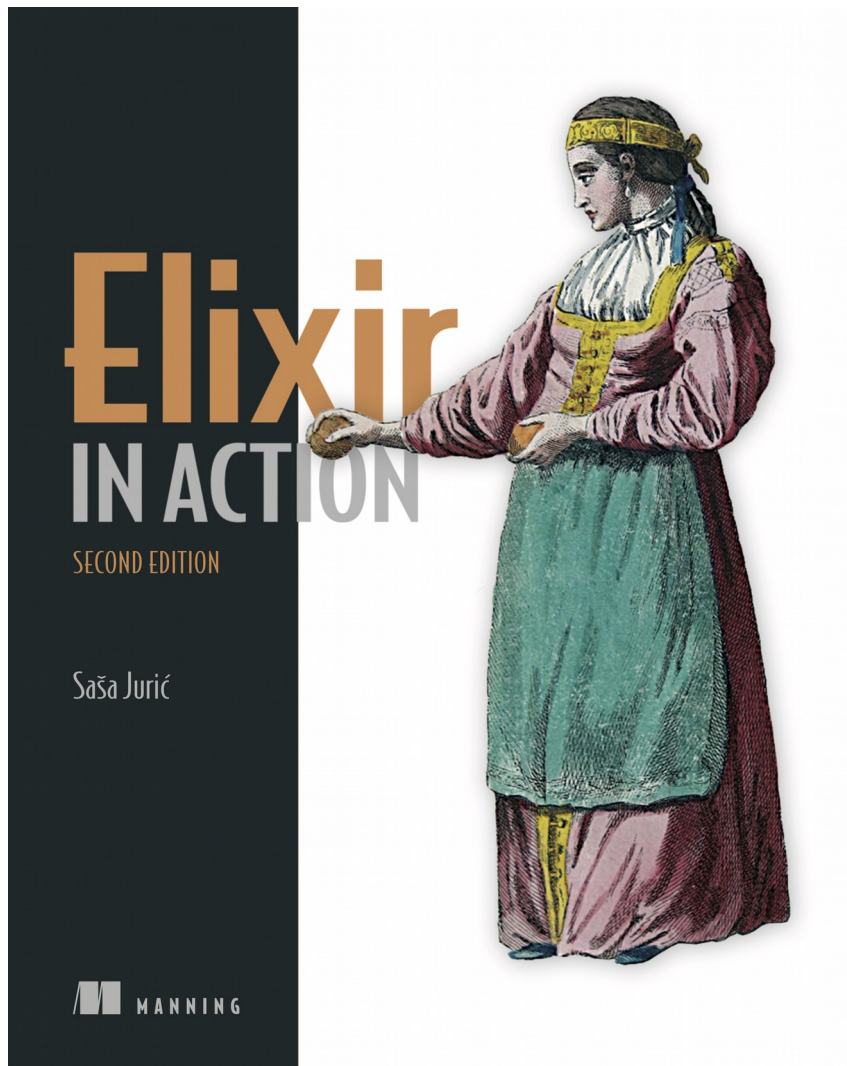








fault tolerance  
latency  
diagnostics  
scalability



40% off using code  
**ctwgotocph19**  
at [manning.com](https://manning.com)

@sasajuric



*Please*

**Remember to  
rate this session**

*Thank you!*

