

28.03.2018

ELIXIR MEETUP MÜNCHEN

ELIXIR FINDINGS

Philipp Neugebauer

INNOQ

@ppneugebauer

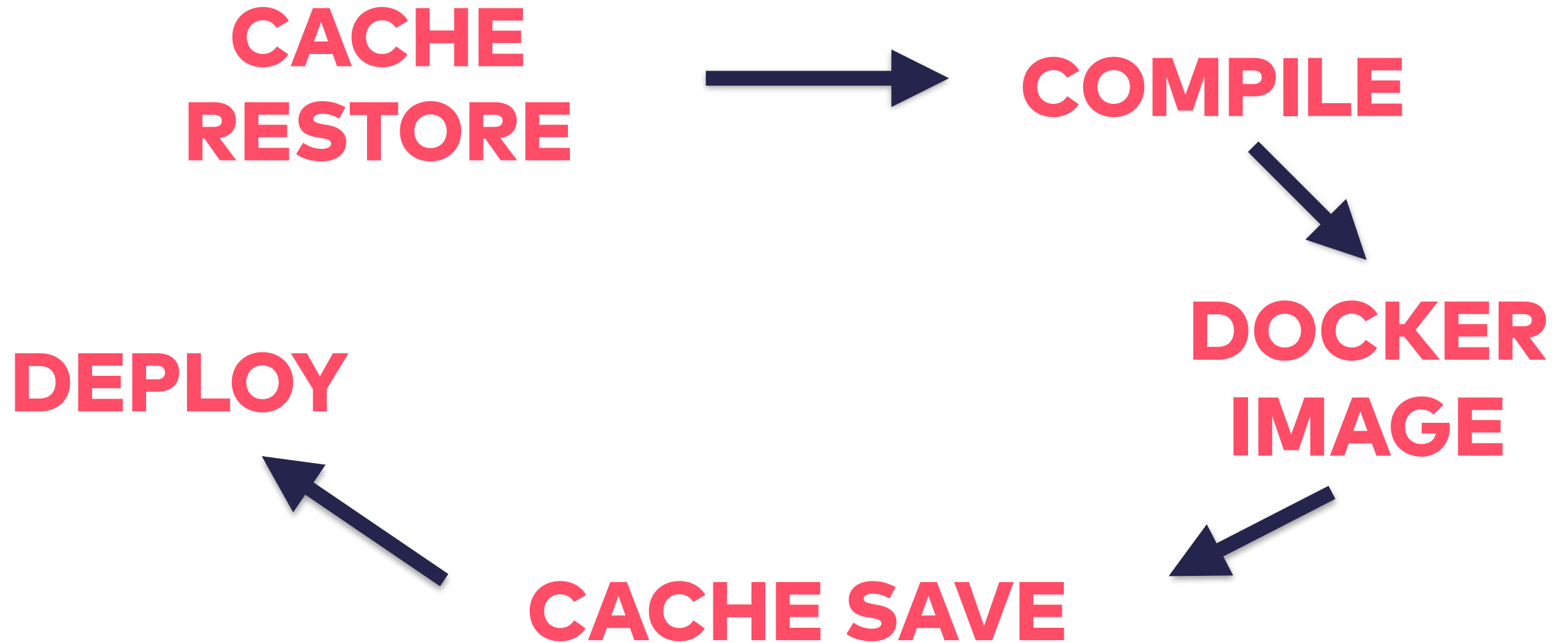
Keep it simple!



Philipp Neugebauer
IT Consultant at INNOQ

- **Rails/Phoenix**
- **Simple CI/CD**
- **Docker/AWS/DO**

DISTILLERY with CIRCLECI



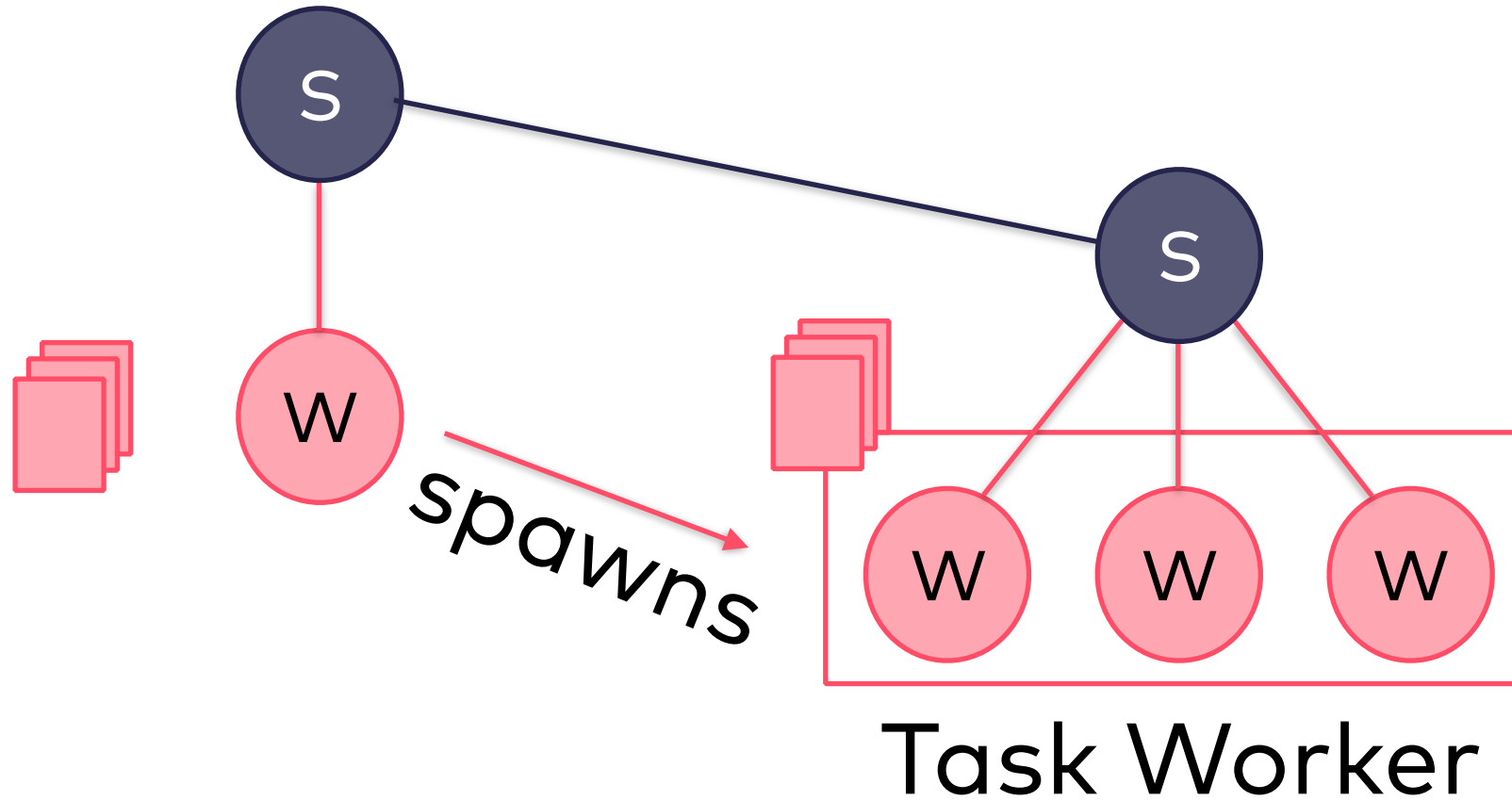
DISTILLERY with CIRCLECI

	Docker Layer Cache	CI Cache + Docker	CI Cache + Distillery
Build Context Size	1 MB	248 MB	35 MB
Cache Size	662 MB	638 MB	221 MB
Deployment Time	~6:20min	~8:10min	~2:30min
Image Size	1.08 GB	1.53 GB	0.53 GB

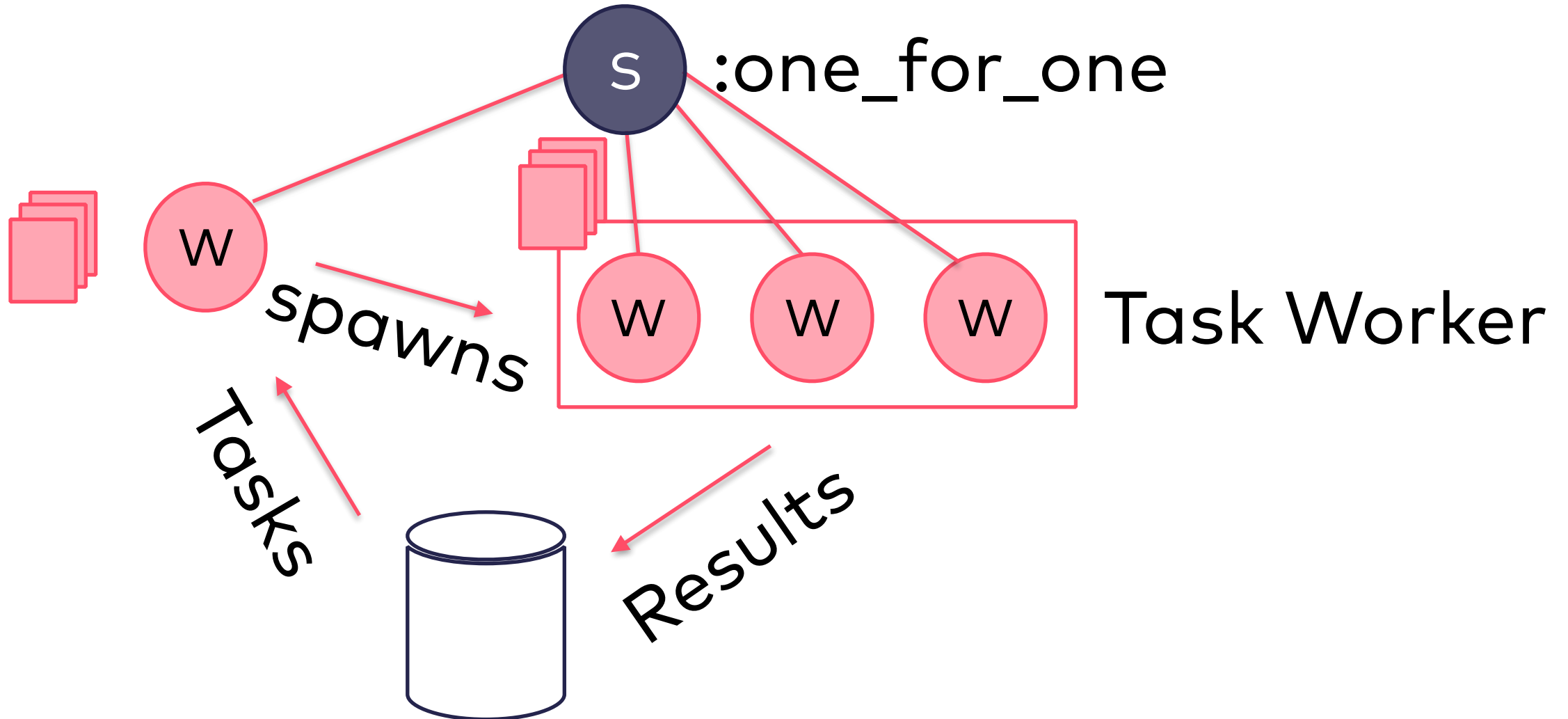
CONCLUSIONS

- **Compiled code is different**
- **Not that simple**
- **Still worth the benefits**

BACKGROUND JOBS



BACKGROUND JOBS



(D)ETS

- **Disk vs Memory**
- **Key Value Store**
- **Process owned**
- **Race Conditions**
- ★ **Fast Cache**

(D)ETS



Joseph Rosztoczy

@TehBrofessor

Folgen



[@elixirlang](#) / erlang victory of the day:

Replacing an application's use of
Elasticache with ETS + a postgresql
backup saves the system \$500 - \$1,500
/ month depending on throughput.

Nom nom nom. [#usethebattletank](#)

[#MyElixirStatus](#)

Tweet übersetzen

21:42 - 27. März 2019

MNESIA

- **DETS' persistence**
- **ETS' performance**
- **Transactions + indexes**



CODE ANALYSIS

- **Sobelow**
- **Security-focused**
- **Only indicator**

<https://github.com/nccgroup/sobelow>

WEB PERFORMANCE

- **gzip**
- **Webpack: purgeCSS**
- **Check: Lighthouse in Chrome**

PHOENIX TEMPLATES

- **Mix tasks in lib/mix/tasks**
- **View templates in priv/templates**
- **Customizable**

PHOENIX HTML FORMS

```
[ :text_input ]  
|> Enum.each(fn method ->  
  def unquote(method)(form, field, opts \\ [])  
    when is_atom(field) do  
      opts = do_something(form, field, opts)  
      elem(Code.eval_string(  
        "Phoenix.HTML.Form.#{Atom.to_string(  
          elem(__ENV__.function, 0))}(form, field, opts)",  
        [form: form, field: field, opts: opts]),  
        0)  
    end  
  end)  
end)
```

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