

# PYRLANG

## PYTHON MEETS ERLANG

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# INTRO

- /me
- S2HC Sweden  
AB
- Sigicom AB

# INTRO

## PYTHON AND ERLANG

similar but oh so different

# THE DRIVE

- INFRA Net
- Data harvest, on demand calculations, cheap
- Python shop
- Distribution / Scale

# THE DRIVE ENTER ERLANG

# THE DRIVE ENTER ERLANG

- The fumble

# THE DRIVE

## ENTER ERLANG

- The fumble
- The pivot

# THE DRIVE

## ENTER ERLANG

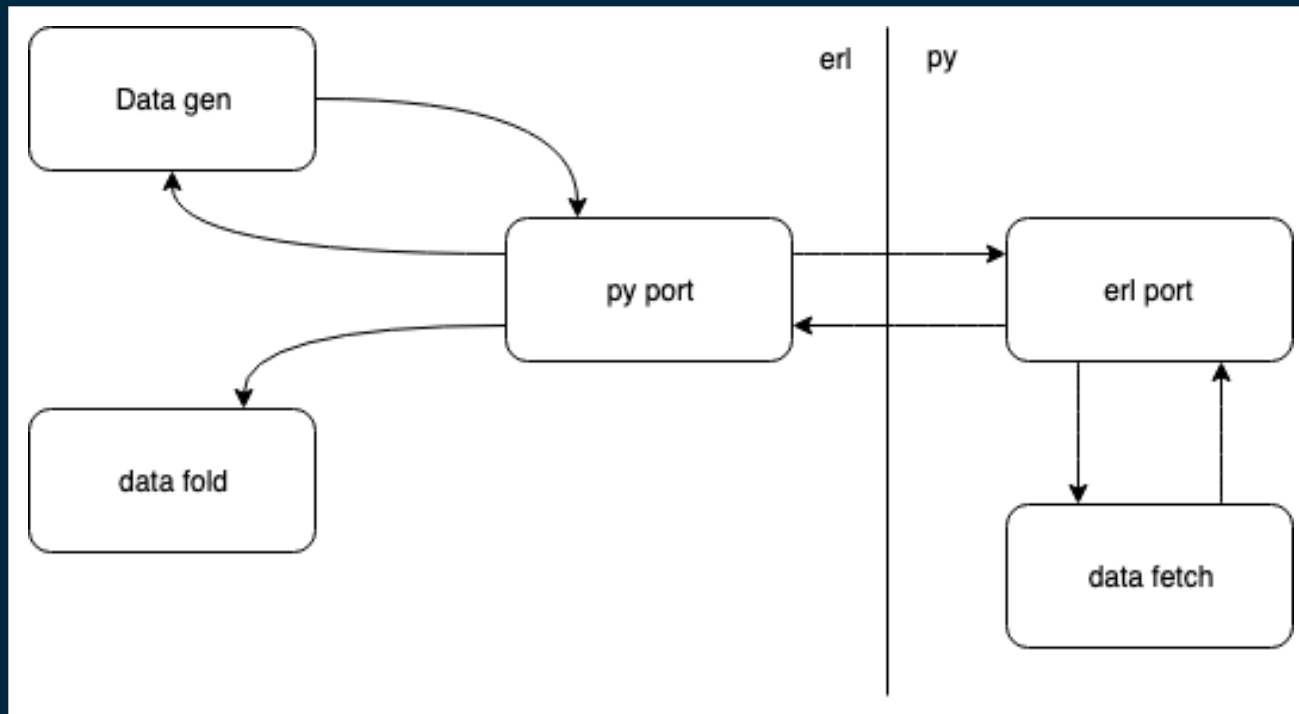
- The fumble
- The pivot
- The Steady state



# PRE PYRLANG

- Dedicated erlang & python modules
- Erlang ports
- Stdin / Stdout
- Erlang term format
- Double code

# PRE PYRLANG EXAMPLE



# PYRLANG



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- Mainly a Python package (dist erl)
- Small footprint in erlang

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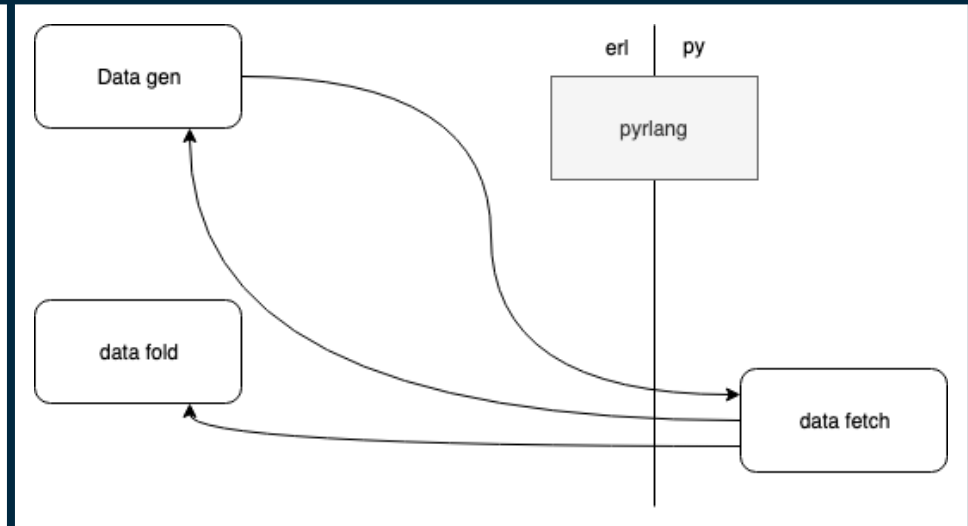
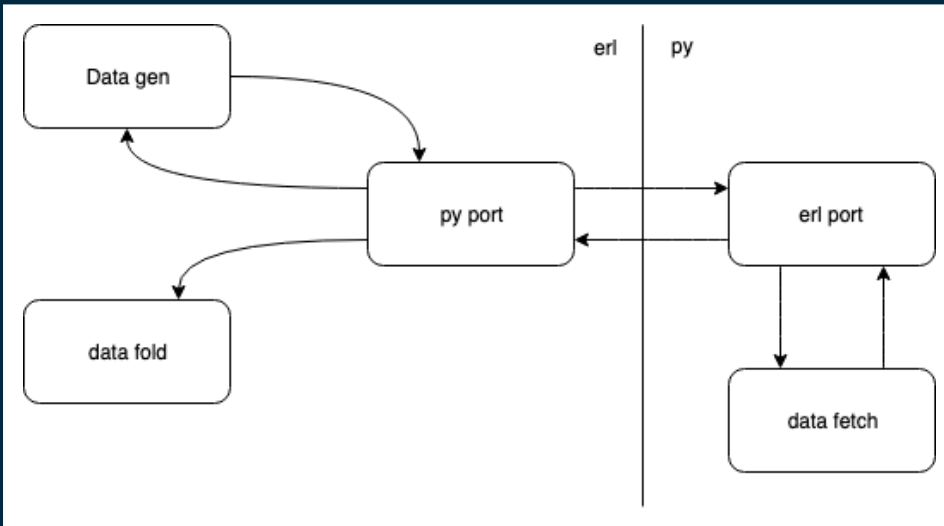
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- Lessen glue code

# PYRLANG EXAMPLE





# PYRLANG

## THE GENERIC PATTERNS

- Processes
- Timeouts
- Monitoring
- Links
- Call / Cast

# PYRLANG

## THE GOAL

**PY:**

```
pyrlang.rpc(node, m, f, a)
```

**ERL:**

```
py:call(Node, ObjectPath, Args, KWArgs)
```

```
py:call(Ctx, ObjectPath, Args, KWArgs)
```

# PYRLANG

## FUTURE LIBS (HOPEFULLY)

- WSGI server
- AI, distribution layer for TensorFlow

# BATTLES ON THE HORIZON

- binary, list, string, unicode, bytes
- inline calls, py object references
- py node startup
- async only vs (some) threads

# QUESTIONS / THANK YOU

Johan Sommerfeld / @sommer47



<https://github.com/pyrlang/pyrlang>

Acknowledge: [reveal.js](#)