Asynchronní zpracování v PHP

INTRAWORLDS
STRONGER RELATIONS

@esler

IntraWorlds

Purpose: To help the world's leading organisations excite talents for their mission and opportunities.

Mnichov - Plzeň - Tampa

Bělohorská 7, Roudná

INTRAWORLDS
STRONGER RELATIONS

@esler

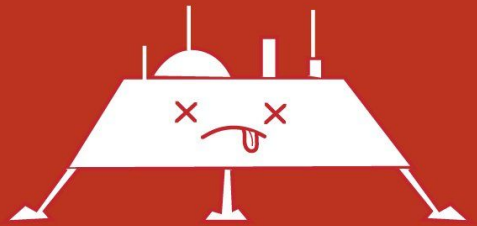
INTRAWORLDS
STRONGER RELATIONS

@esler

Seven Minutes of
Terror
Starting NOW
Hold my beer.
https://twitter.com/Oatmeal

404

ROBOT NOT FOUND



The requested interplanetary robot:
/milkyway/solarsystem/mars/insight
could not be located.

It might be dead or on fire.
Please stand by.

https://twitter.com/Oatmeal/status/106714758230291251 2

INTRAWORLDS
STRONGER RELATIONS

@esler

Obsah

Úvod

Úvod

Stať

Úvod

Stať

Závěr

Asynchronous processing

Stať

Závěr

Asynchronous processing

Asynchronous programming

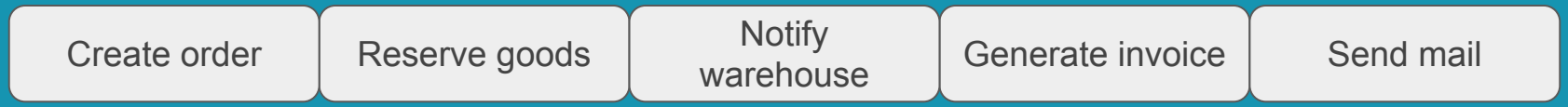
Závěr

Asynchronous processing
Asynchronous programming
Homework and discussion

Synchronous processing

Synchronous processing (blocking)

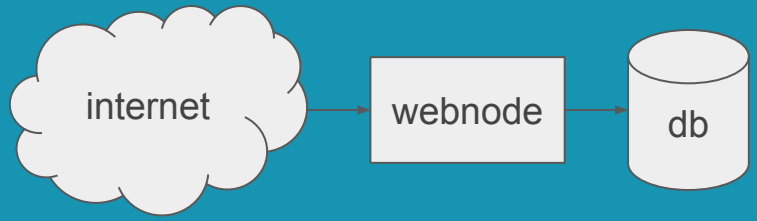
Synchronous



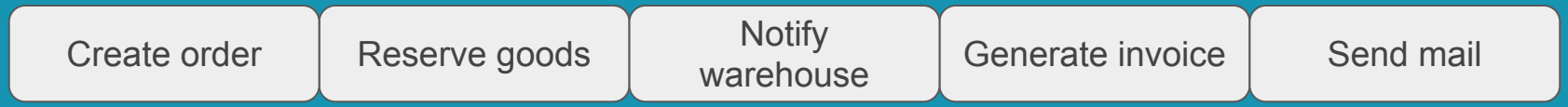
Synchronous

Synchronous

Synchronous


internet
webnode
db

Synchronous



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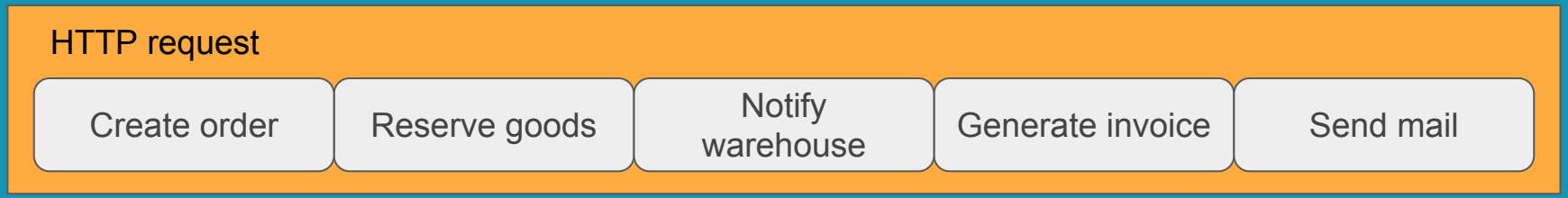
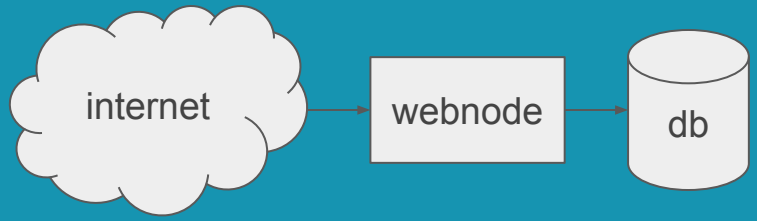
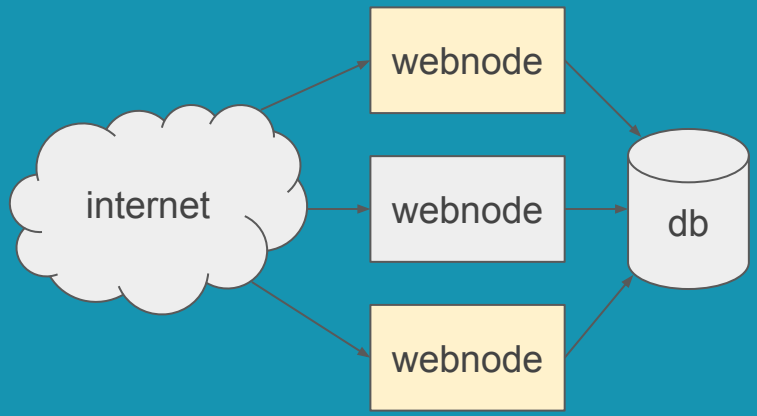
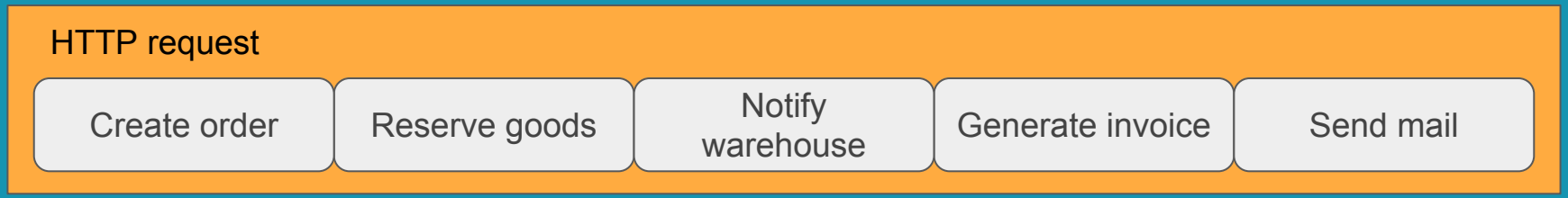


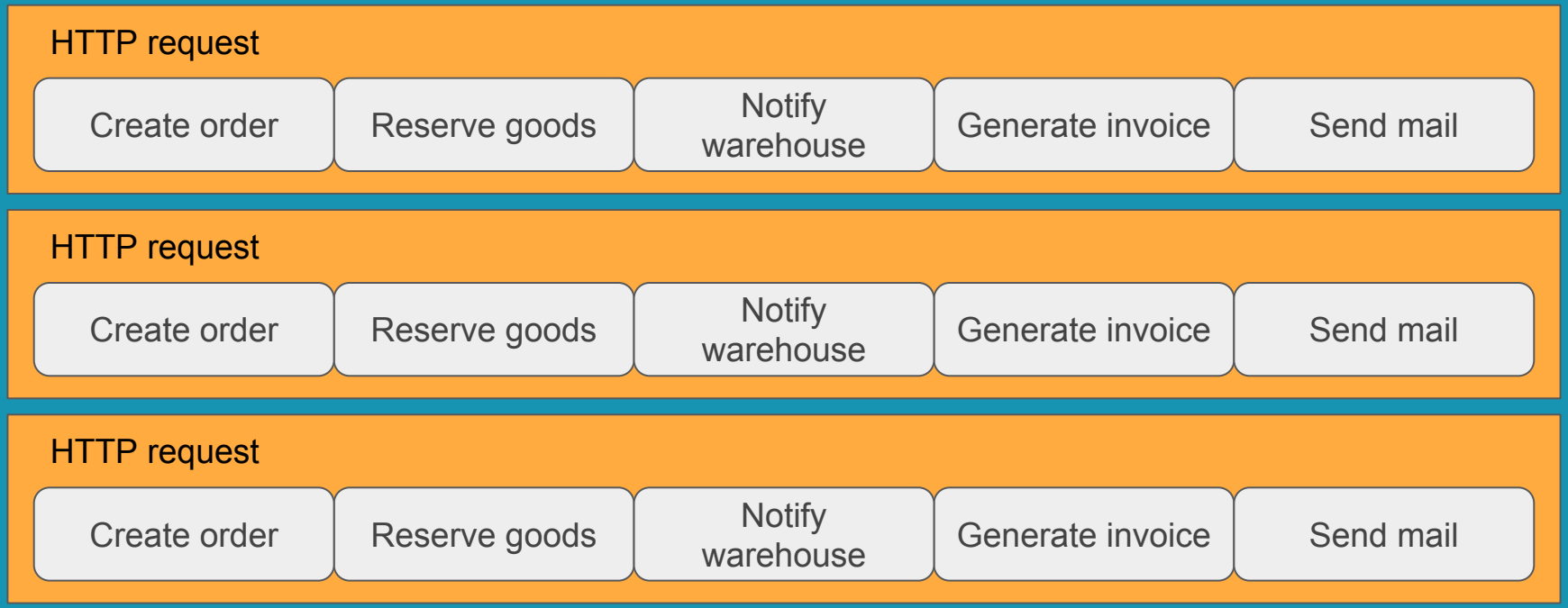

internet
webnode
db


webnode
internet
webnode
db
webnode

Synchronous



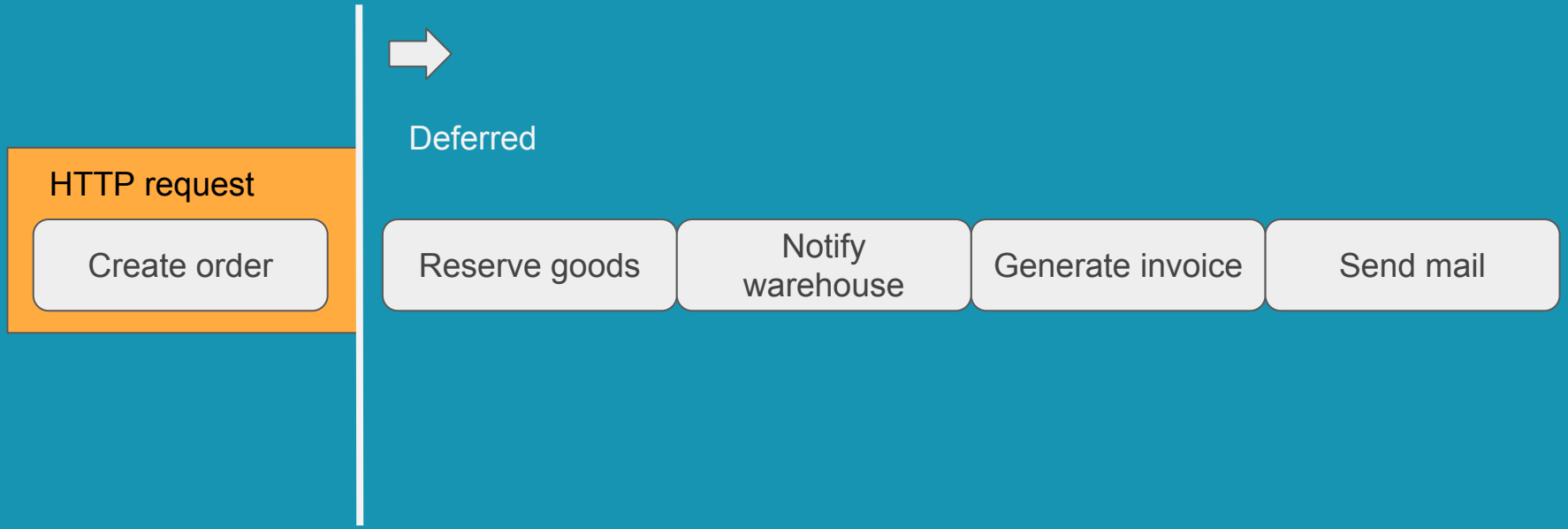
Synchronous

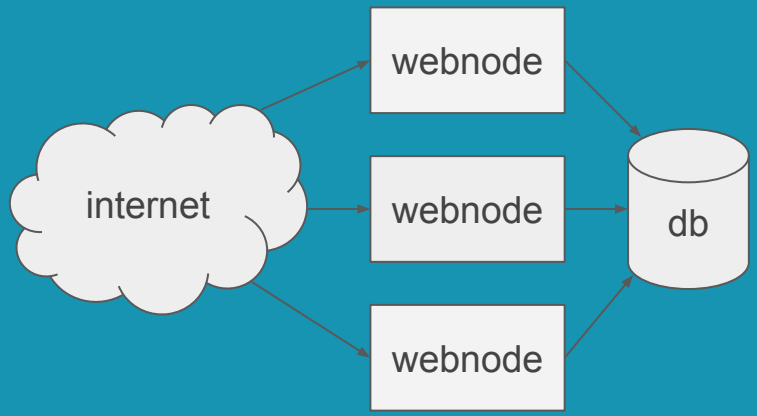


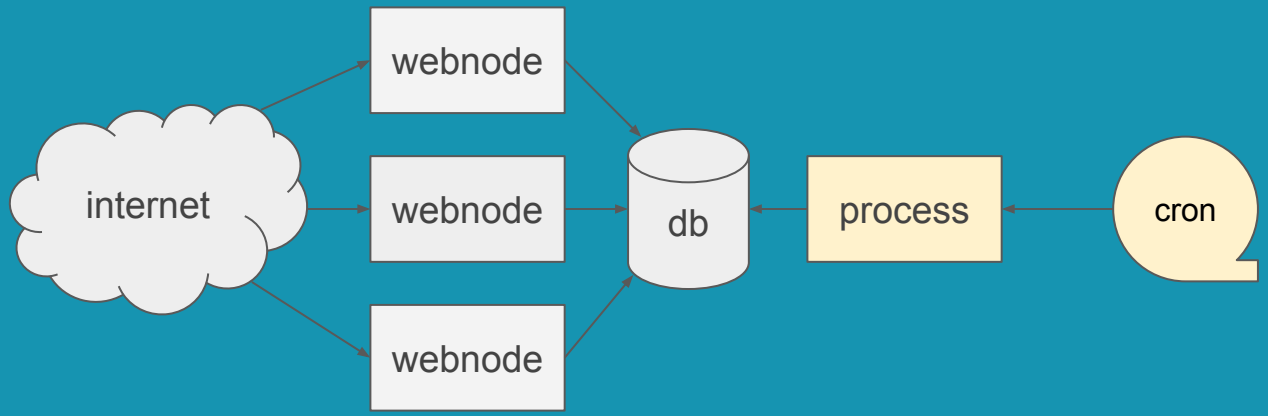
Asynchronous processing

Asynchronous processing (non-blocking)

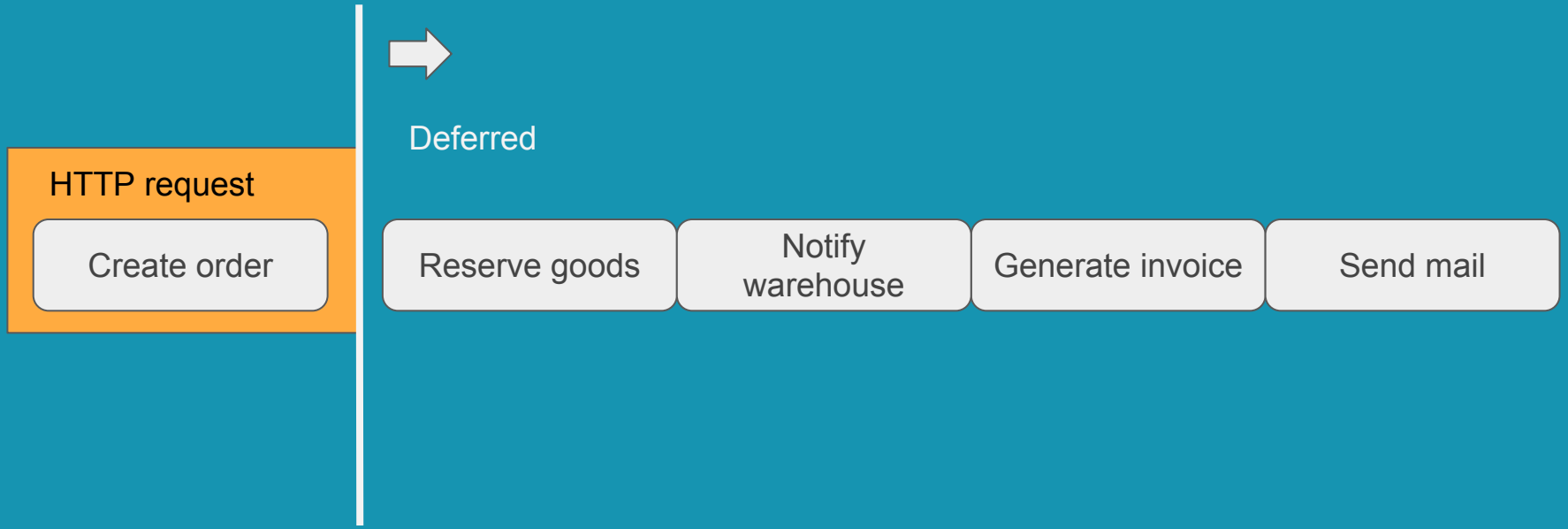
Deferred


HTTP request
Create order
Deferred
Reserve goods
Notify warehouse
Generate invoice
Send mail


webnode
internet
webnode
db
webnode


webnode
internet
webnode
db
process
cron
webnode

Deferred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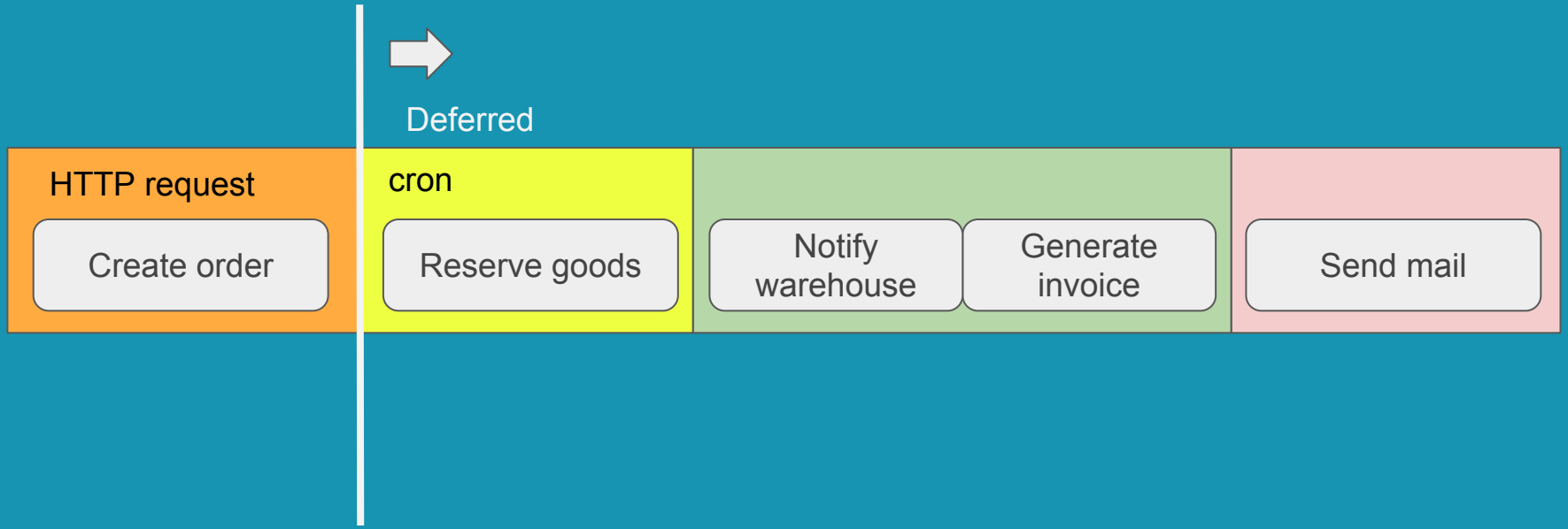
Deferred
HTTP request
Create order
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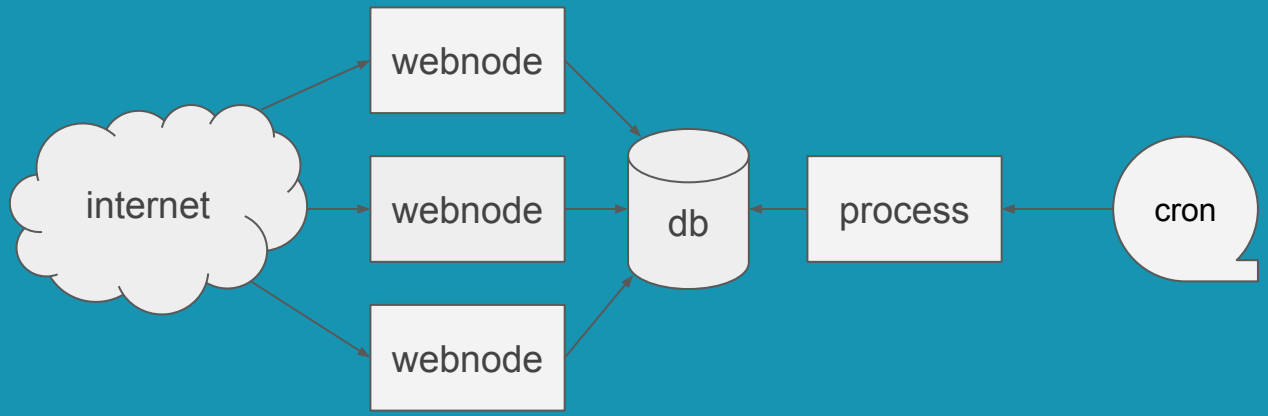
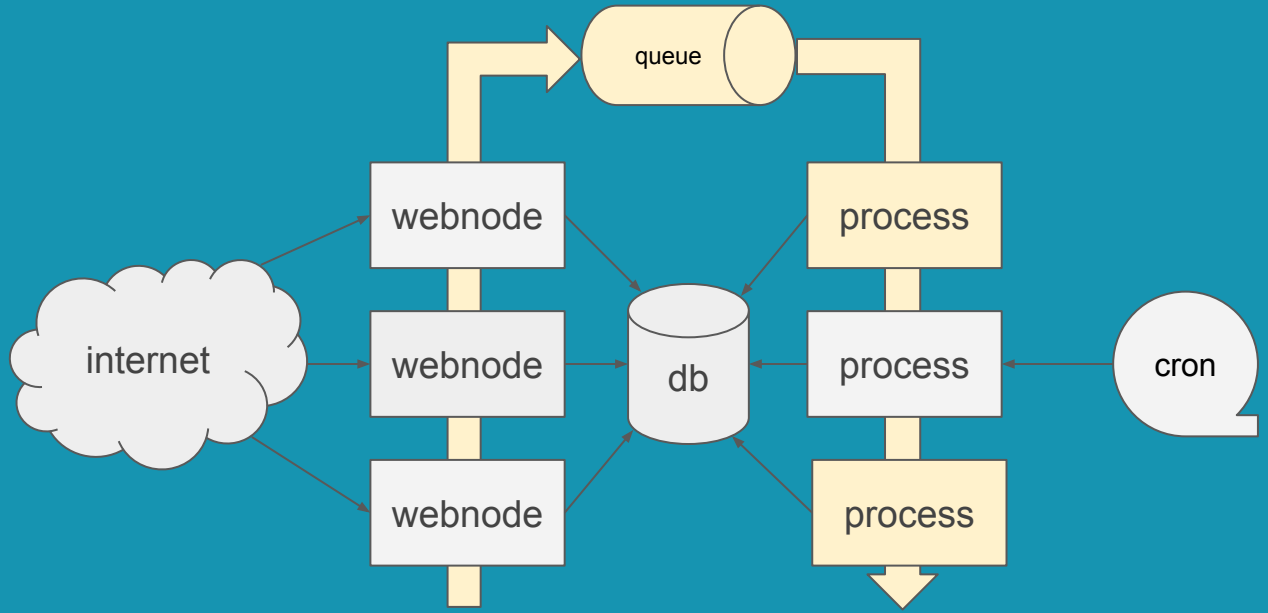
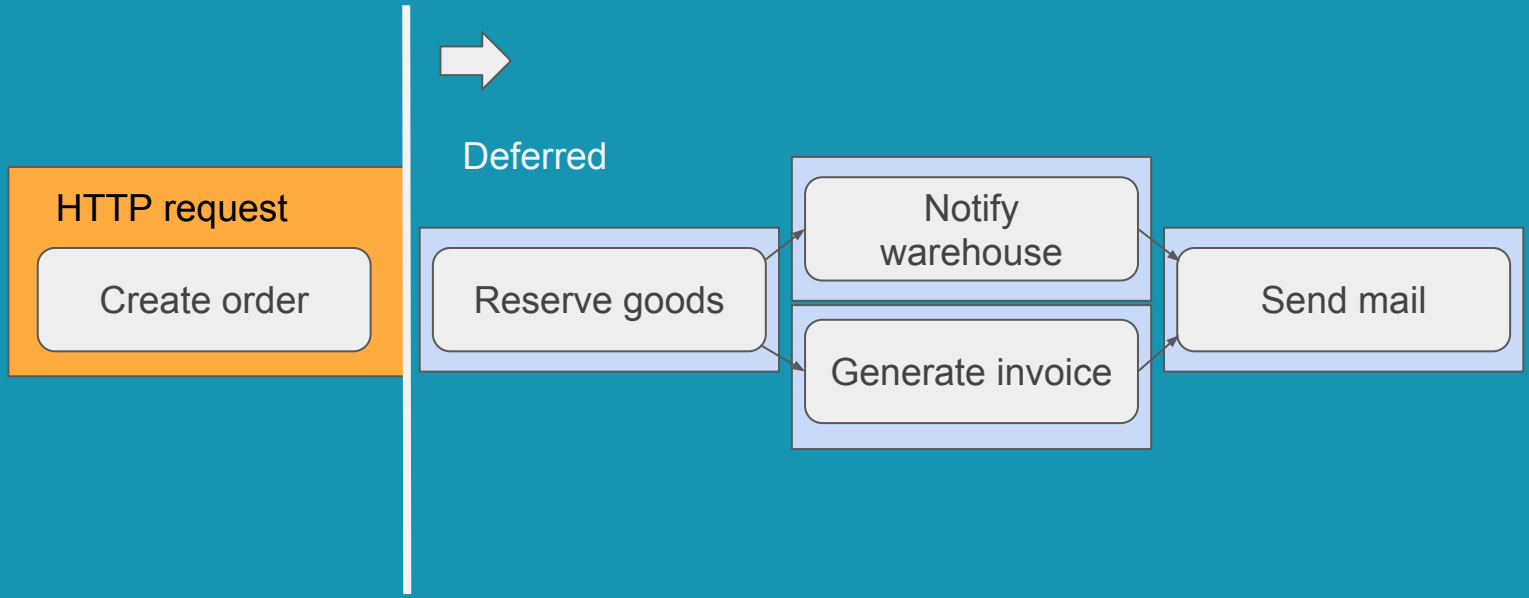

webnode
internet
webnode
db
process
cron
webnode


queue
webnode
webnode
webnode
internet
db
process
process
process
cron

Deferred


Deferred
HTTP request
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Generate invoice
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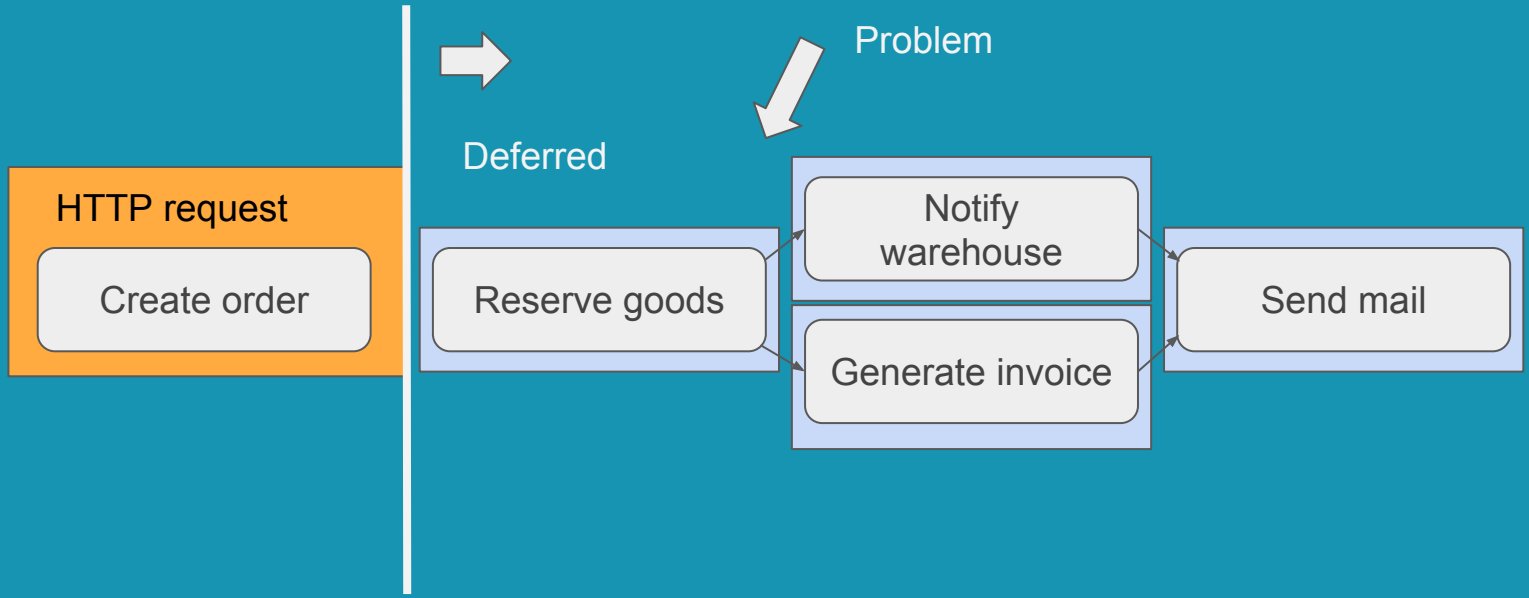
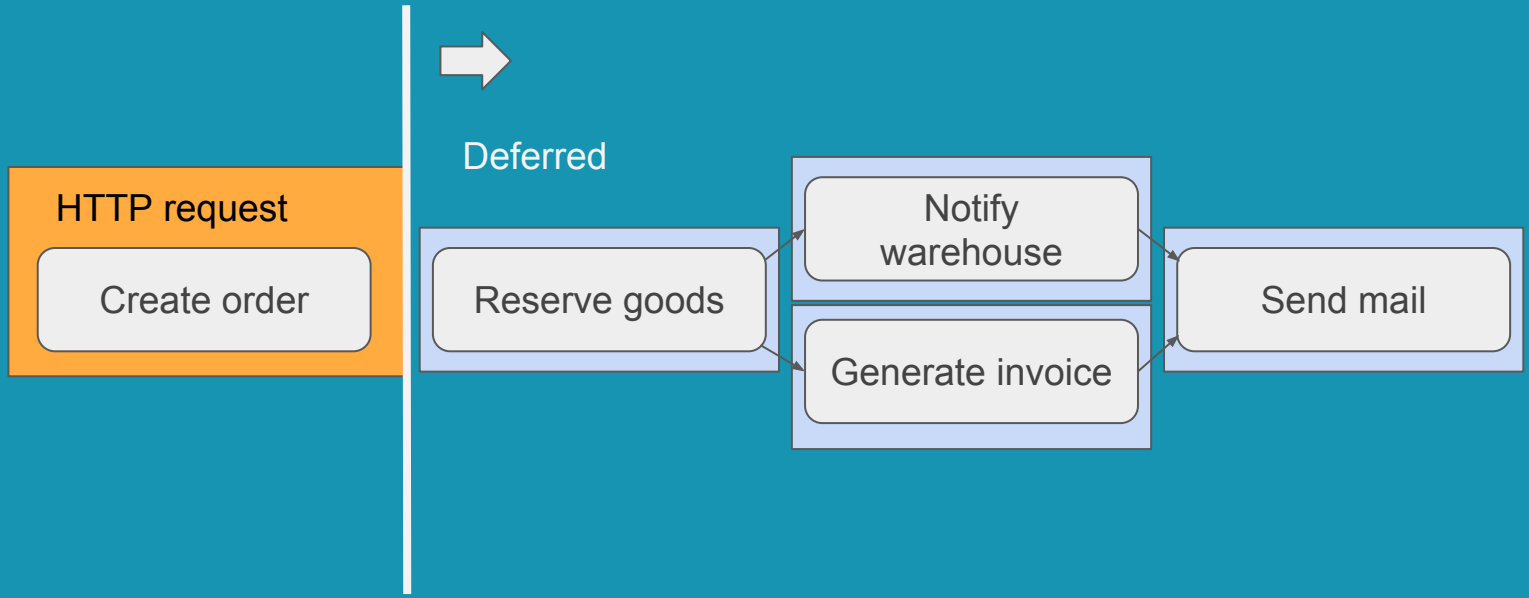
Deferred


Problem
Deferred
HTTP request
Create order
Reserve goods
Notify warehouse
Generate invoice
Send mail

Deferred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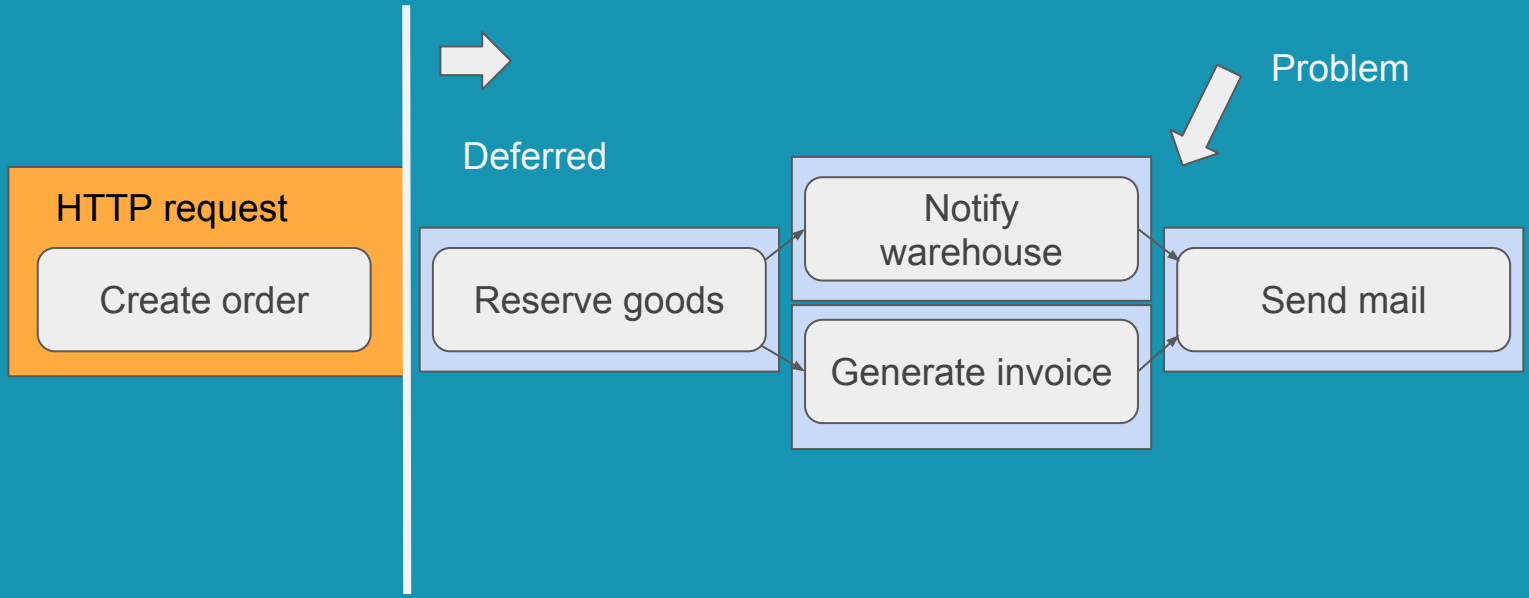
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Asynchronous programming in PHP?

Async in PHP. How it’s possible?

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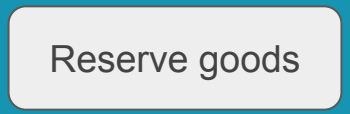
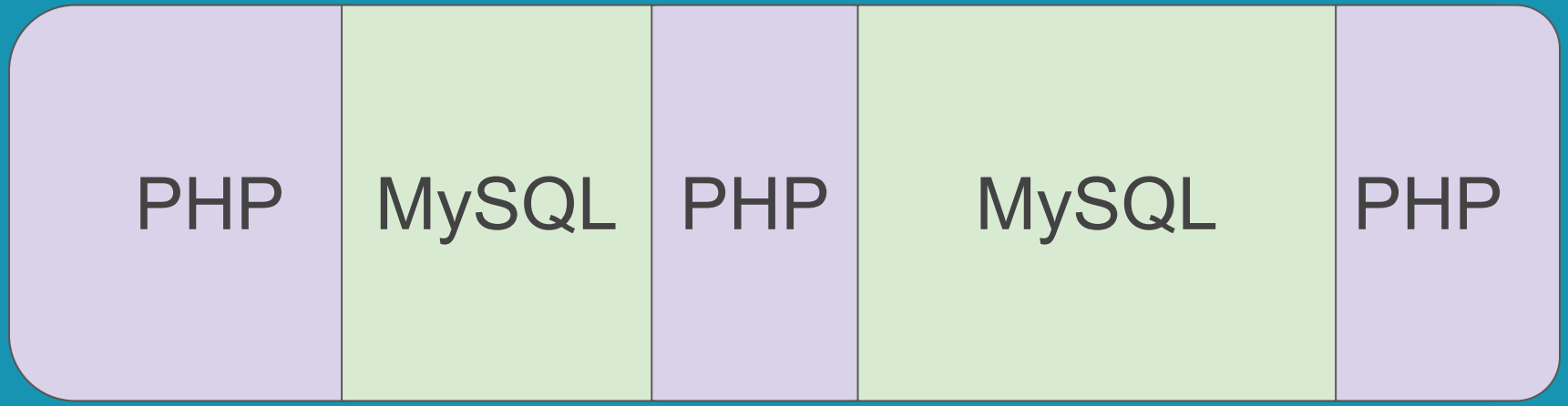


Async in PHP. How it’s possible?

Reserve Goods

Async in PHP. How it’s possible?



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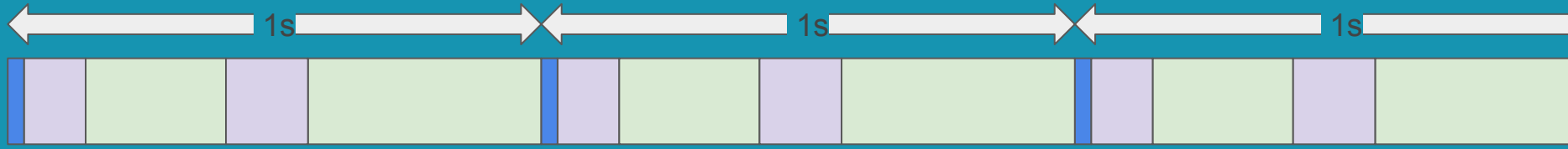

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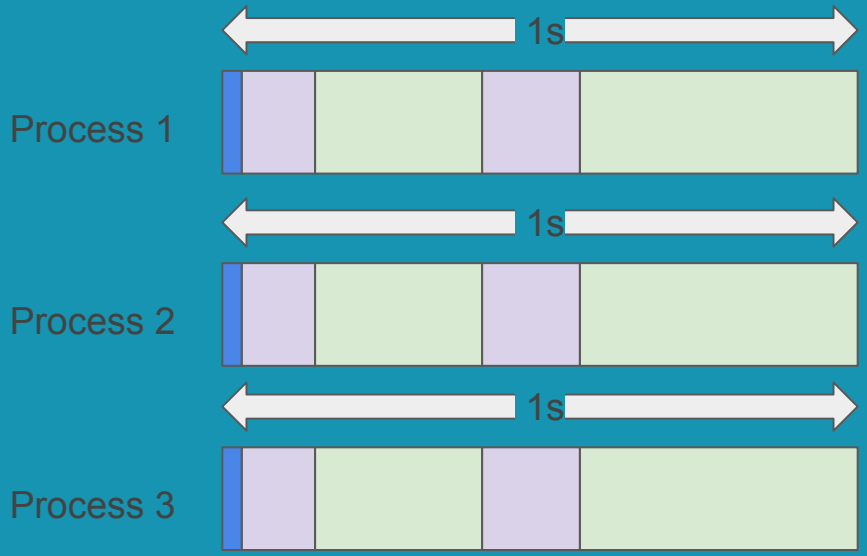

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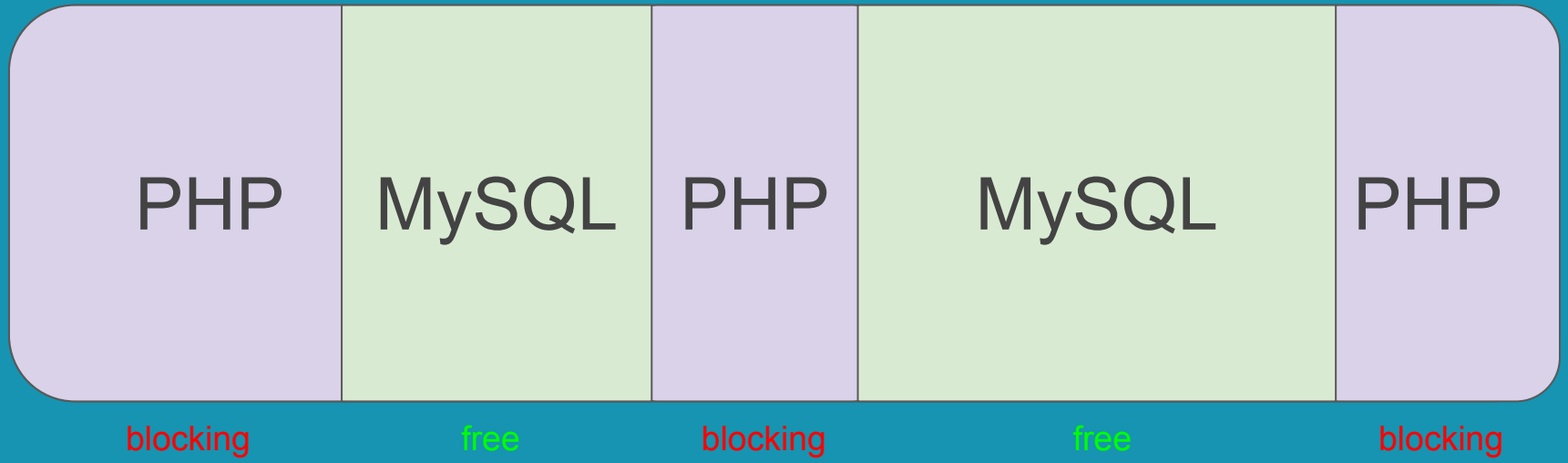

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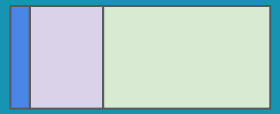

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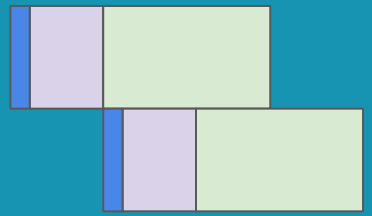

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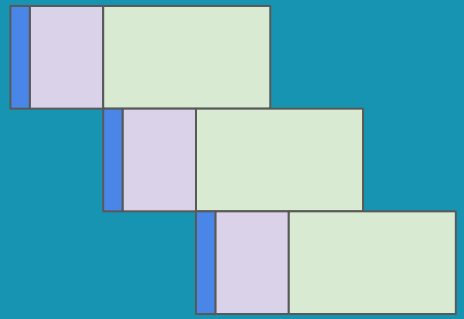

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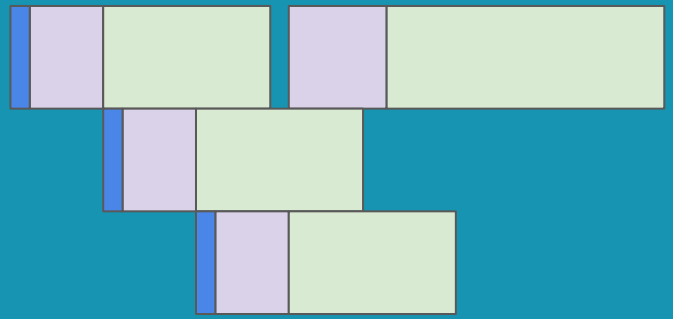

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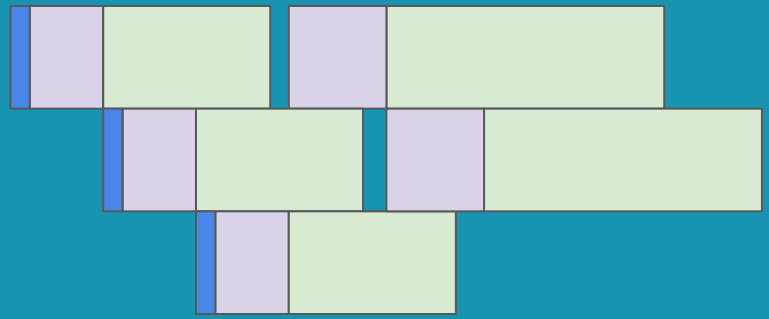

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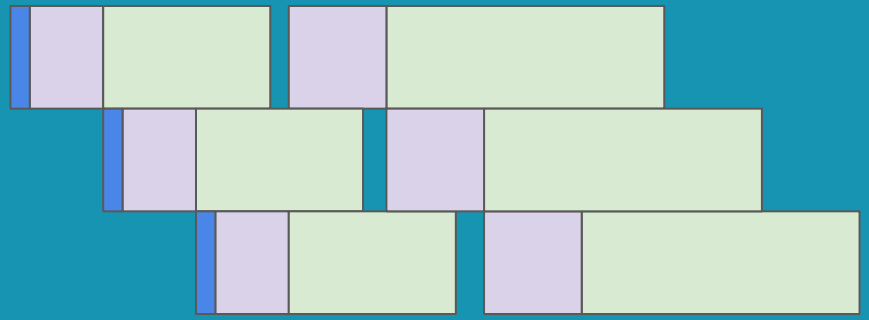

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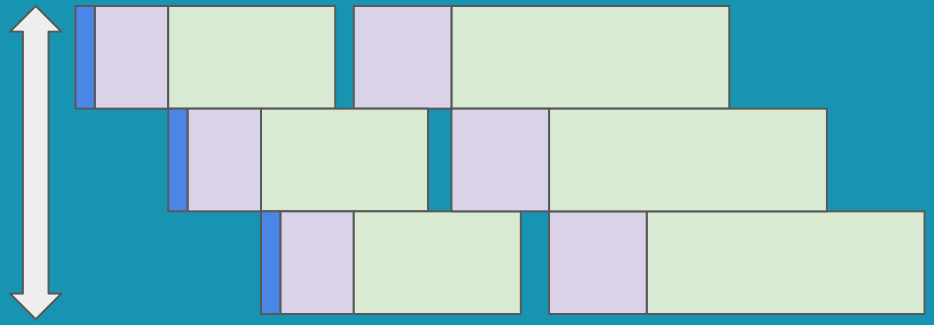

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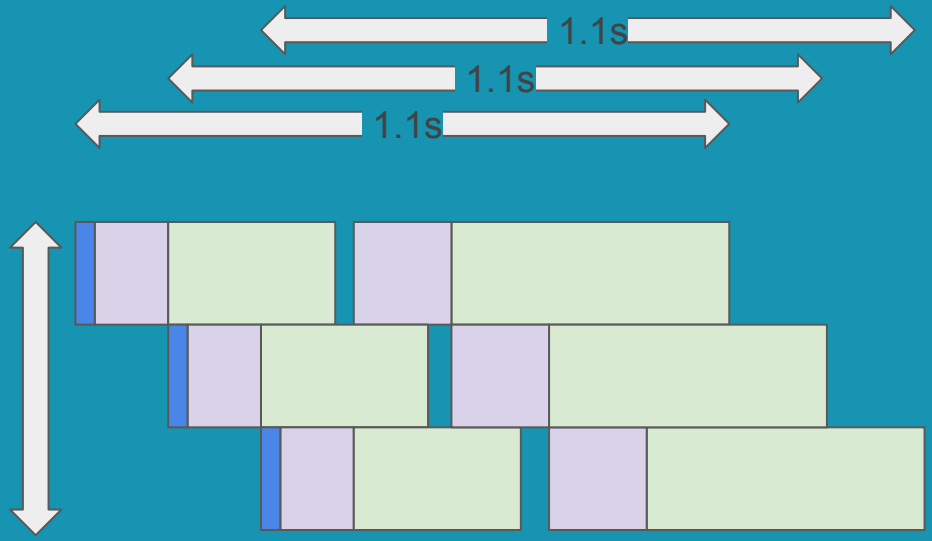

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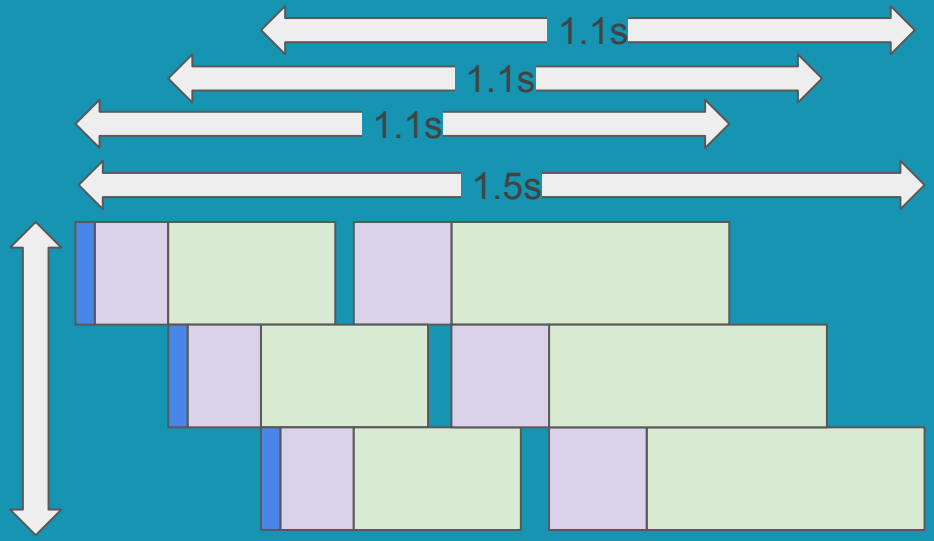

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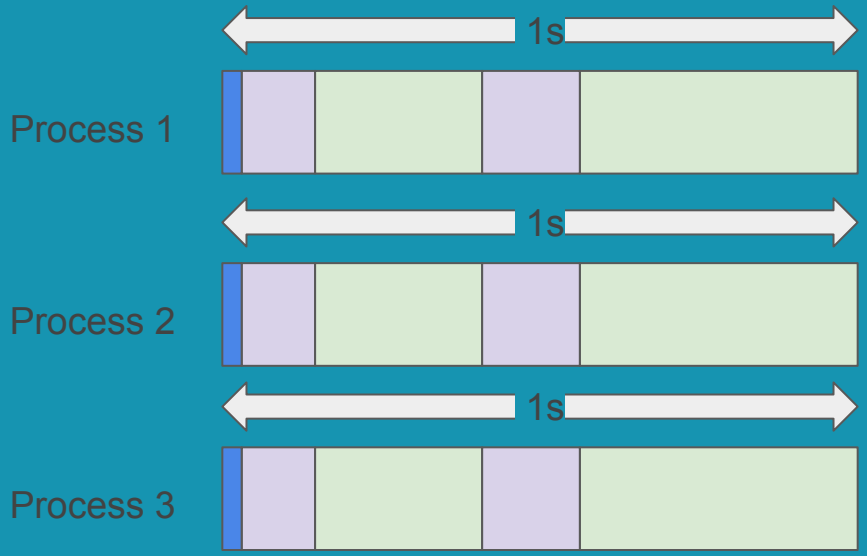


Implementation

Manual

Manual

symfony/process

stream_set_blocking()

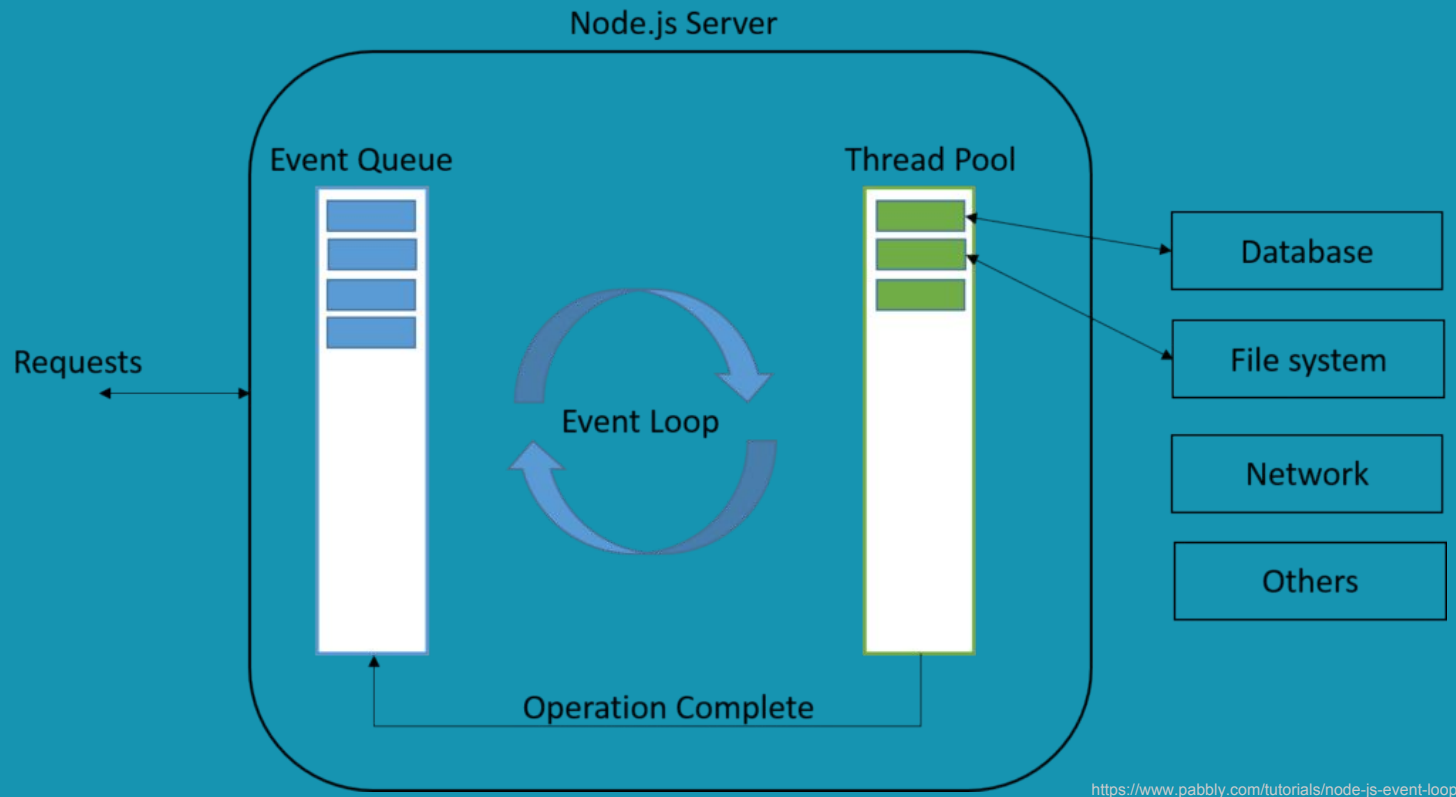
amphp/mysql

guzzlehttp/guzzle

guzzlehttp/promises

Event Loop

Event Loop



https://www.pabbly.com/tutorials/node-js-event-loops/

Event Loop

react/react

amphp/amp

swoole

Just don’t!

Just don’t?

fibers

async/await

One more thing!

We’re hiring!

www.intraworlds.cz
www.intraworlds.cz/workshop/

Kam dál?
RTsoft workshop

INTRAWORLDS
STRONGER RELATIONS

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