



Microservice Technologien

Kubernetes & Spring Boot

OIO Hauskonferenz 2016

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Trainer, Berater, Entwickler



Schwerpunkte
Integration
Microservices
Infrastructure Automation

Oliver Weiler

Trainer, Berater, Entwickler



Schwerpunkte
*Microservices,
Spring Boot, Spring Cloud,
Continuous Delivery*

- Kubernetes
- Spring Boot
-
- Spring Cloud

Letzte Fassung dieser Unterlagen:

<https://github.com/r-rayst/oio-hauskonferenz-2016>

1 DIE IDEE

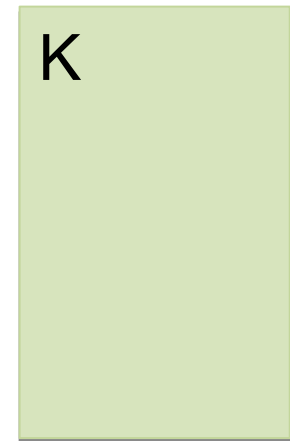
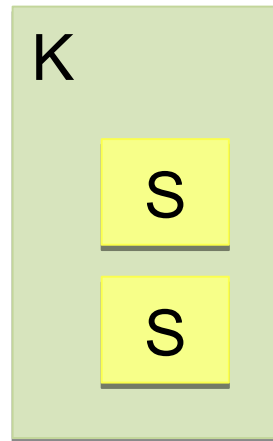
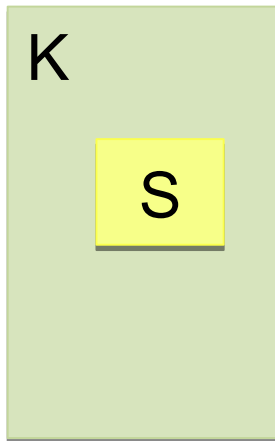
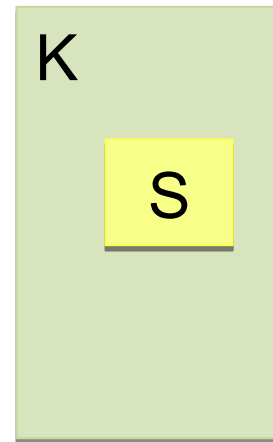
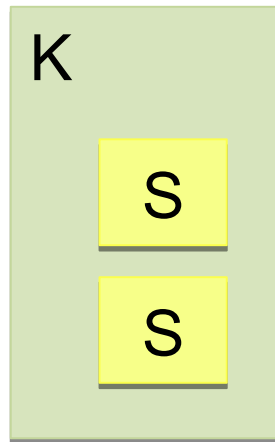
K

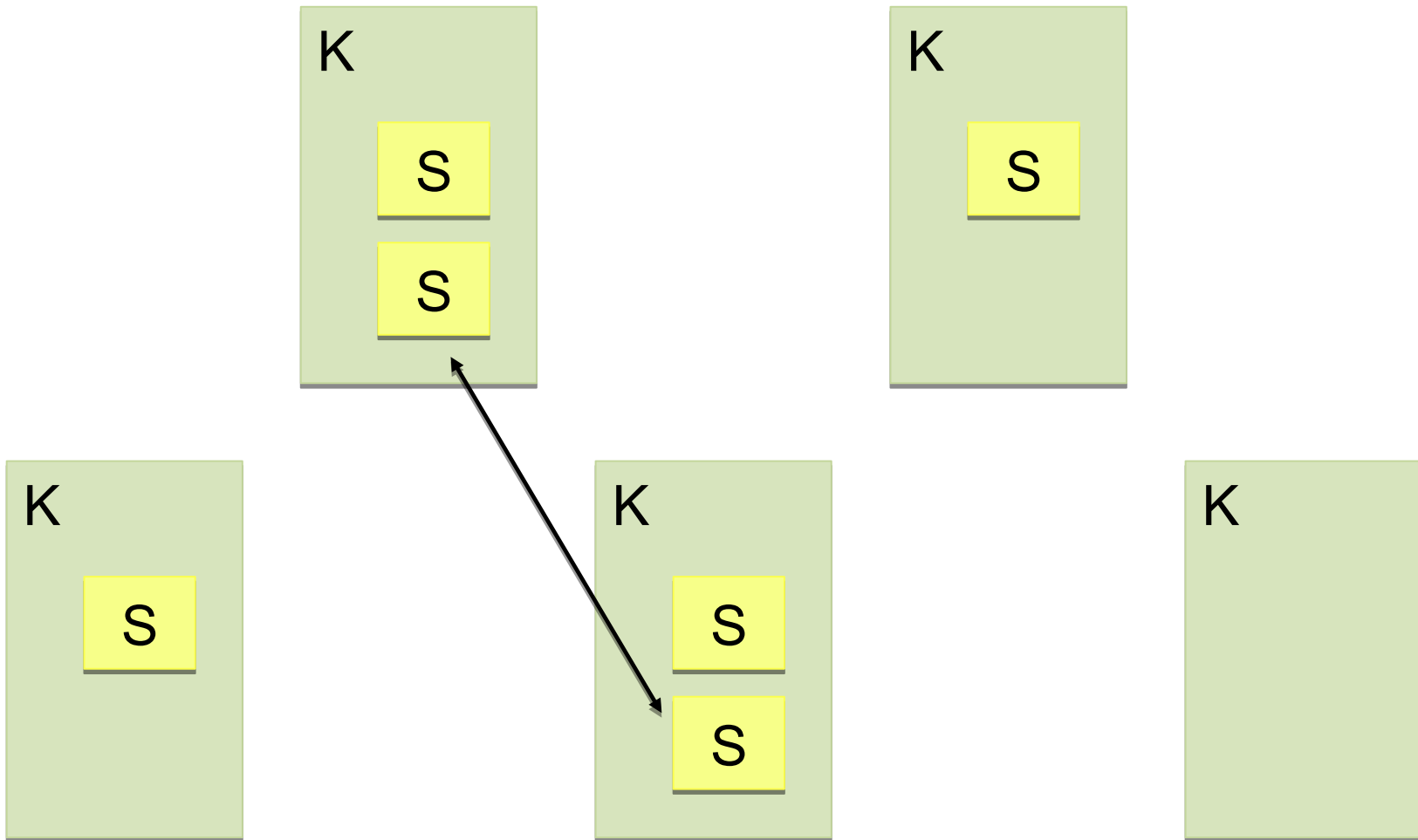
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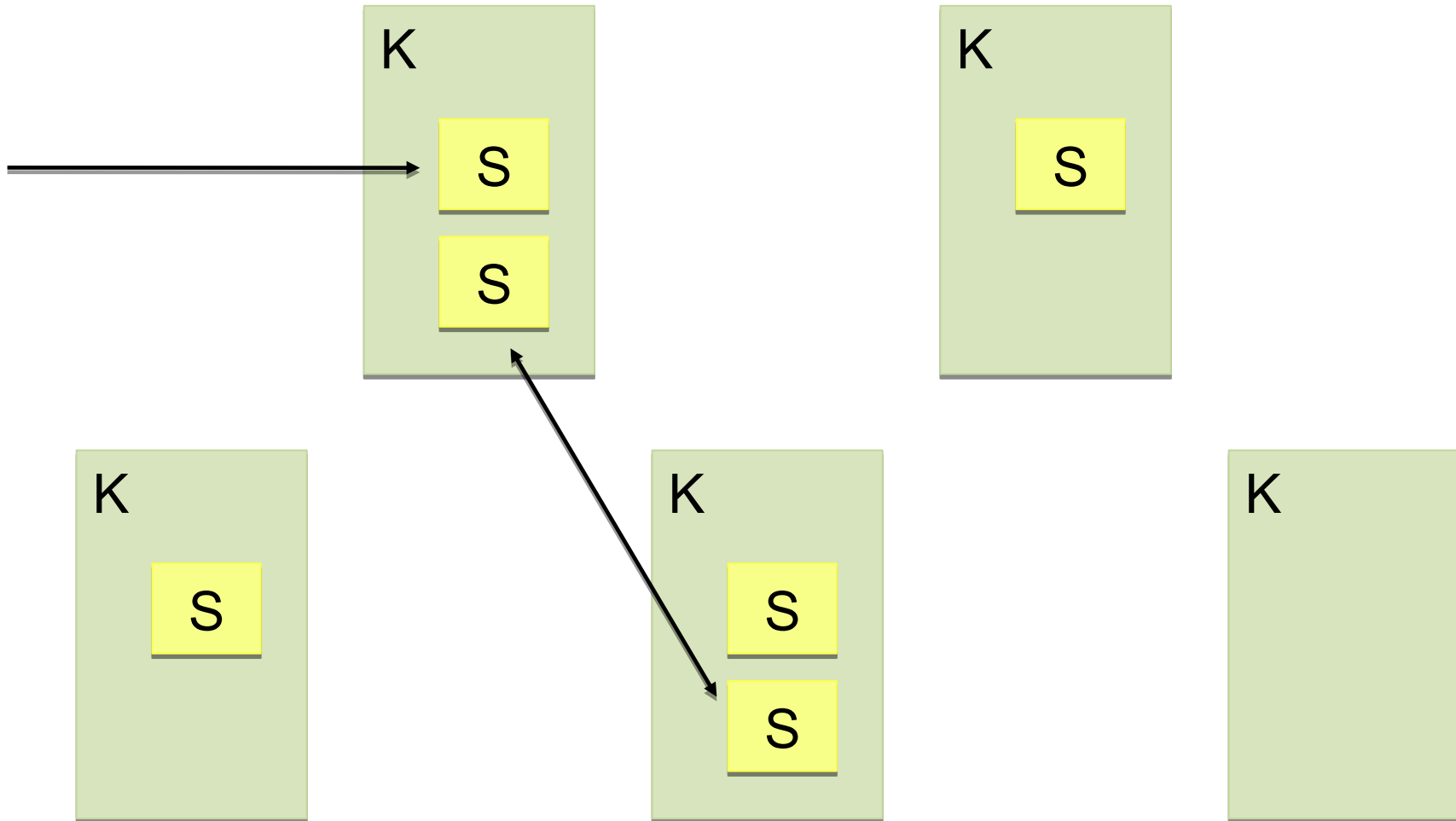
K

K

K








AUFGABE:

Talks und Speaker der
Hauskonferenz verwalten

SPRING BOOT

 [Back to Dashboard](#)

 [Status](#)

 [Changes](#)

 [Build Now](#)


 [Delete Pipeline](#)

 [Configure](#)

 [Move](#)

 [Full Stage View](#)

 [Pipeline Syntax](#)

 **Build History**

[trend](#) 

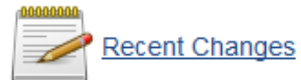
find

 **#1**

Dec 6, 2016 3:07 PM

 [RSS for all](#)  [RSS for failures](#)

Pipeline demo service



Stage View

Average stage times:

build	test	deploy
8ms	11ms	7ms
8ms	11ms	7ms

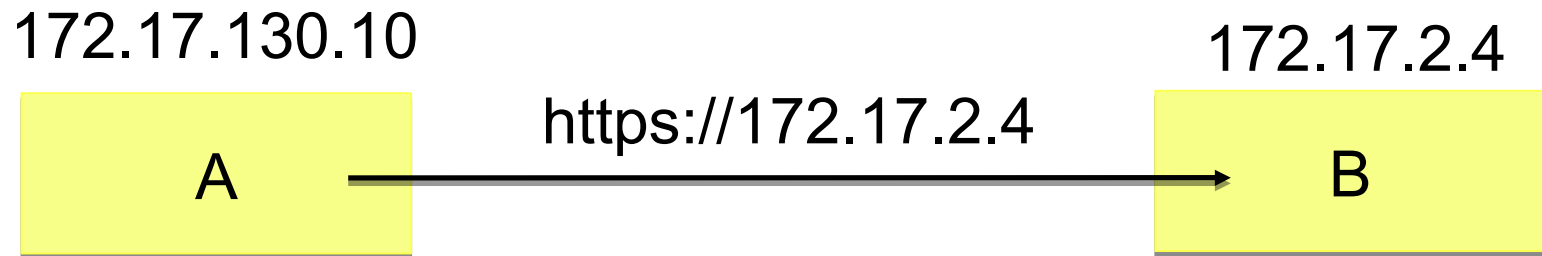
#1
Dec 06
15:07
No Changes

Permalinks

Spring Boot Actuator

The screenshot shows the IntelliJ IDEA IDE with the REST Client tool window open. The request is a GET to `http://localhost:8080/health`. The response is a JSON object with the following structure:

```
1 {
2   "status": "UP",
3   "diskSpace": {
4     "status": "UP",
5     "total": 510770802688,
6     "free": 349476249600,
7     "threshold": 10485760
8   },
9   "db": {
10    "status": "UP",
11    "database": "H2",
12    "hello": 1
13  }
14 }
```



172.17.130.10

A

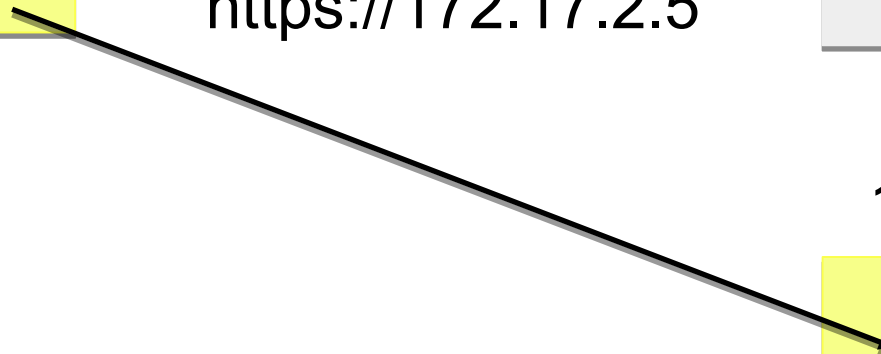
172.17.2.4

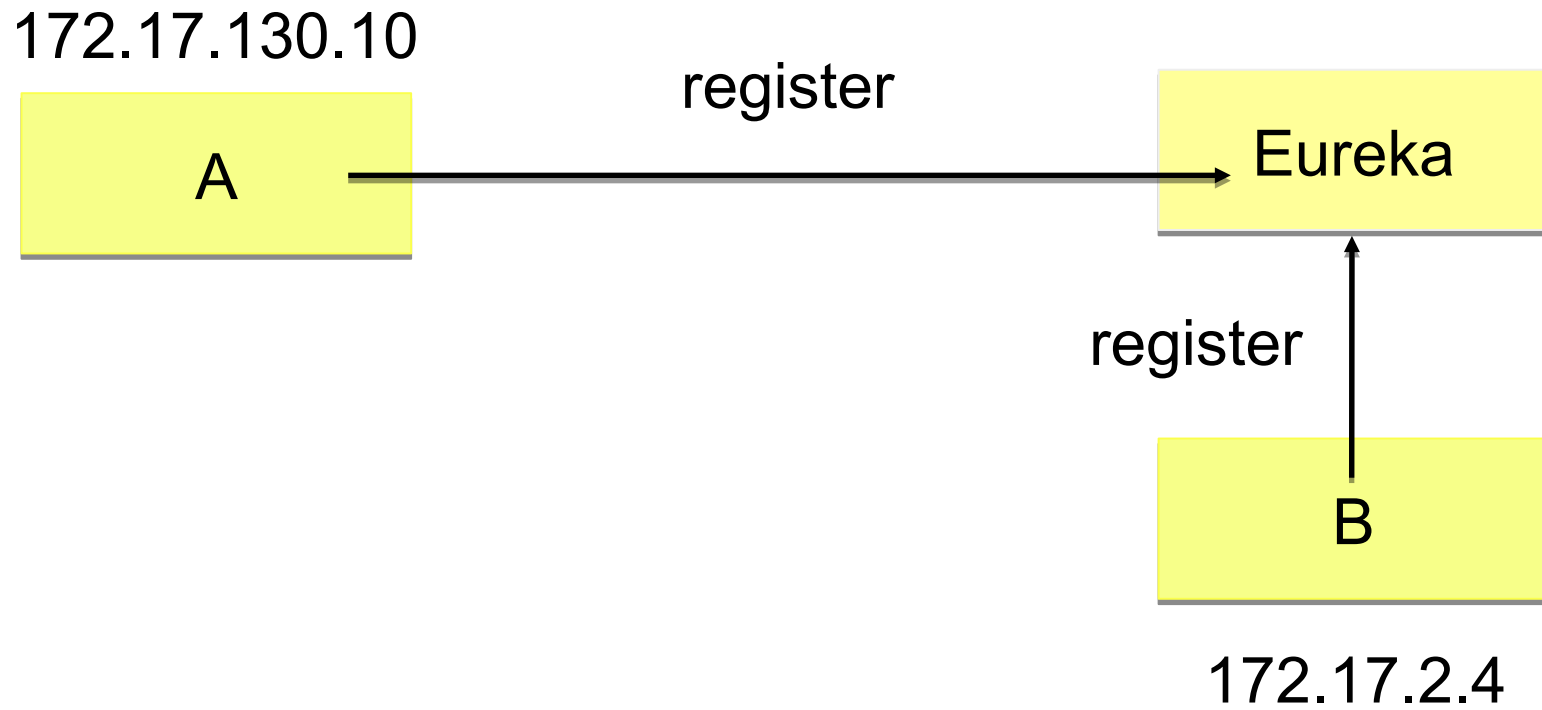
B

<https://172.17.2.5>

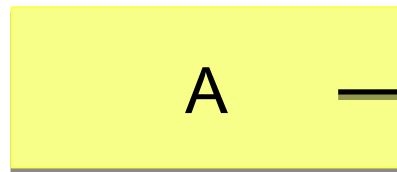
172.17.2.5

B'

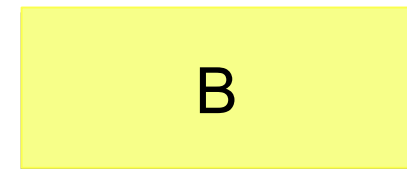
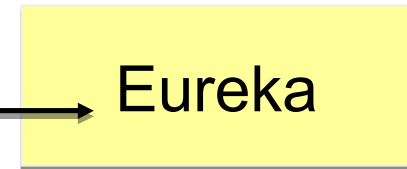




172.17.130.10

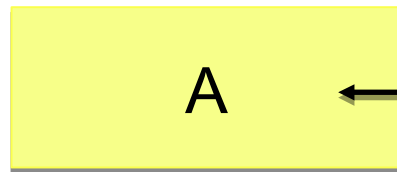


get registry

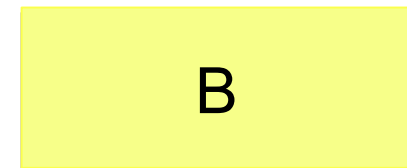
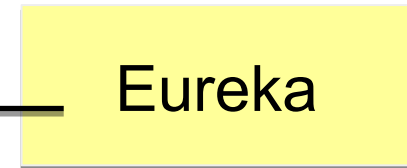


172.17.2.4

172.17.130.10



b → 172.17.2.4



172.17.2.4

172.17.130.10

A

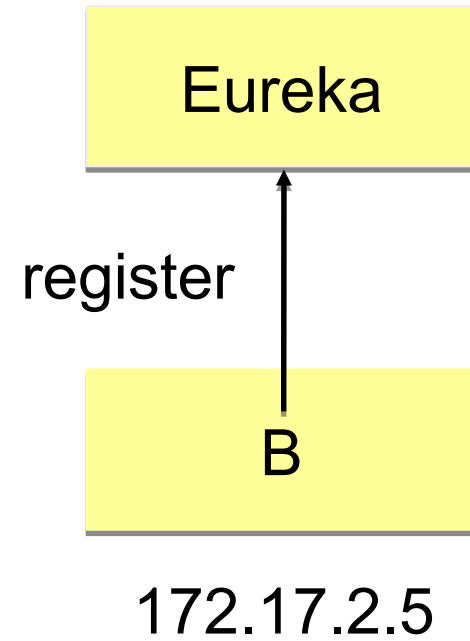
Eureka

B

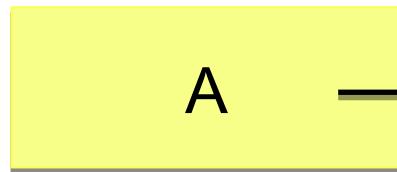
172.17.2.4

172.17.130.10

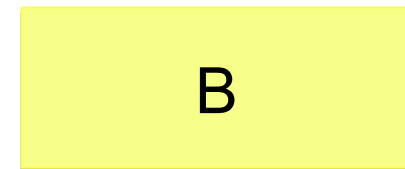
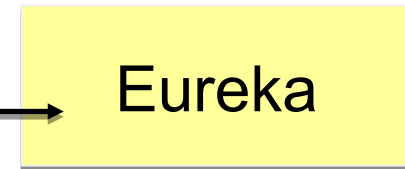
A



172.17.130.10

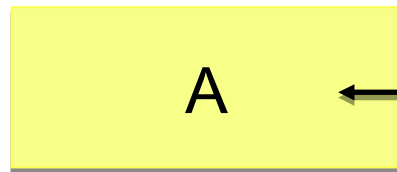


get registry



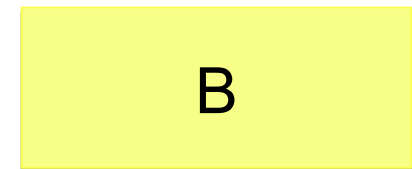
172.17.2.5

172.17.130.10



b → 172.17.2.5

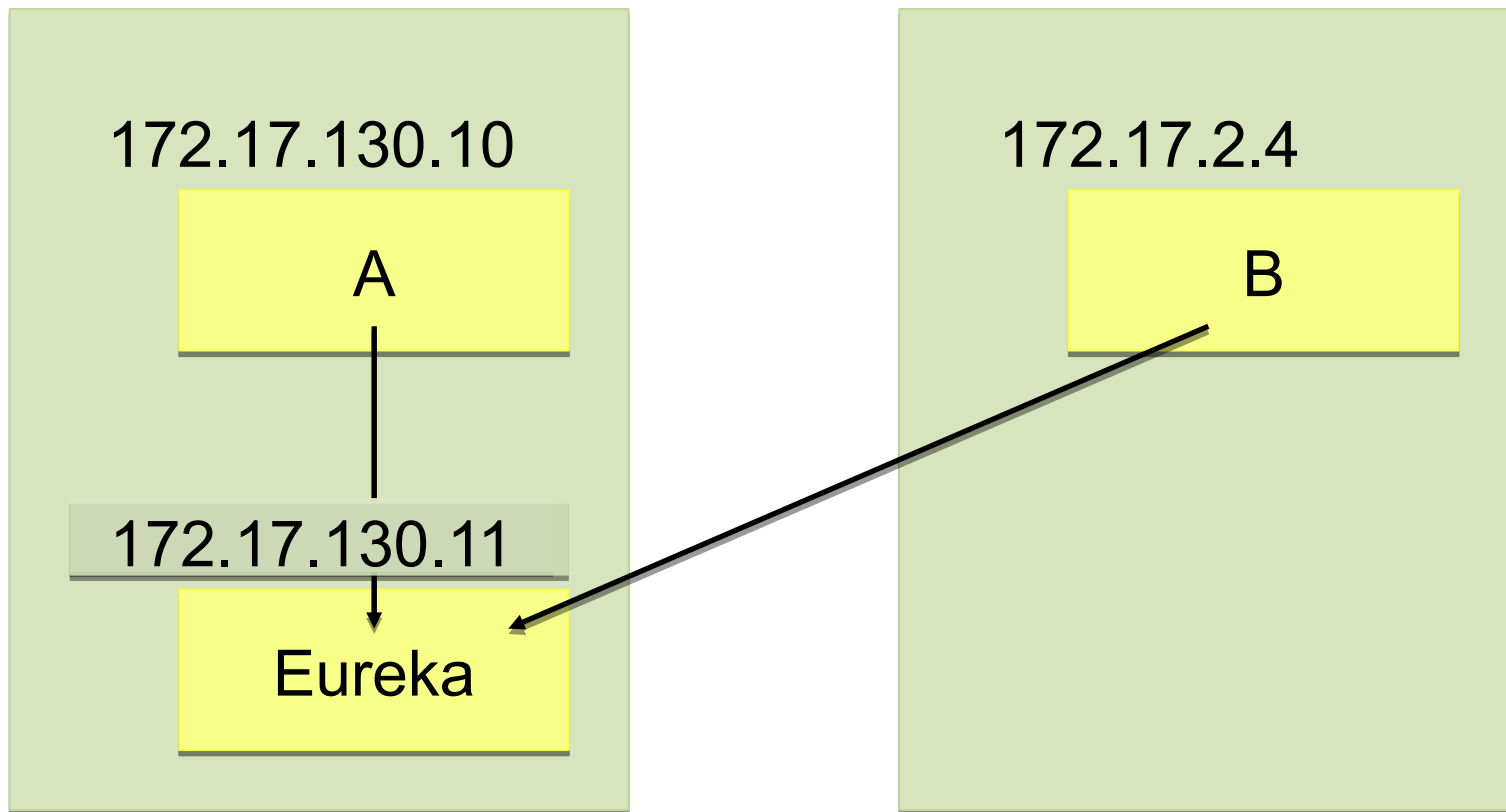
Eureka



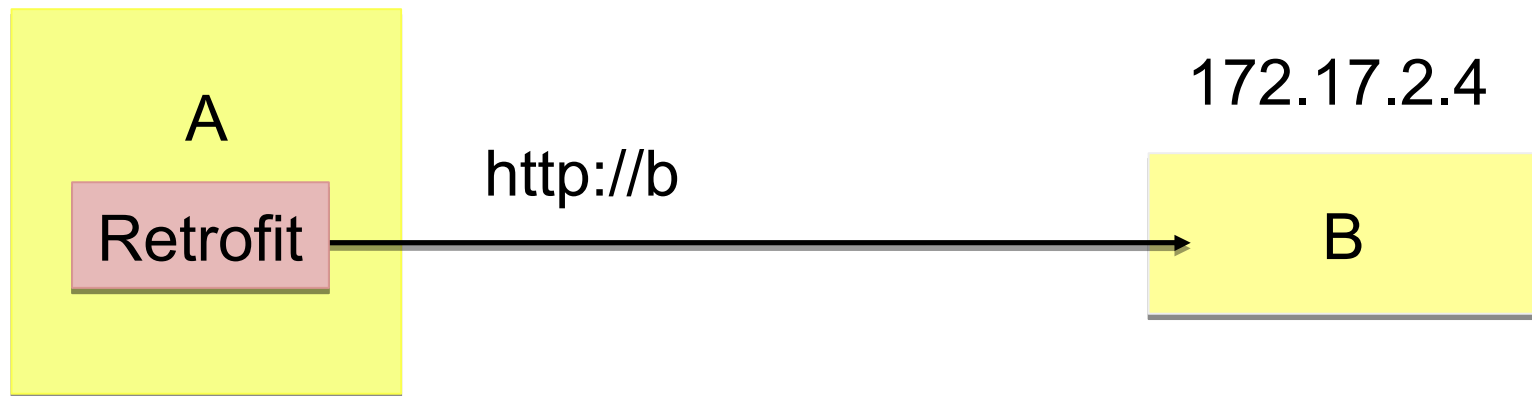
172.17.2.5

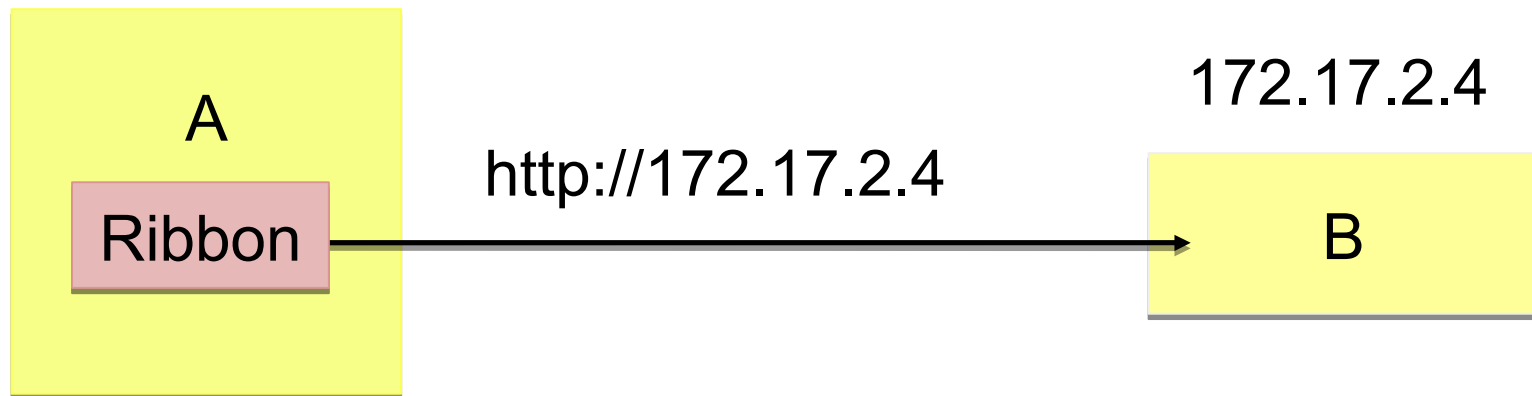
Umgebungsvariable:

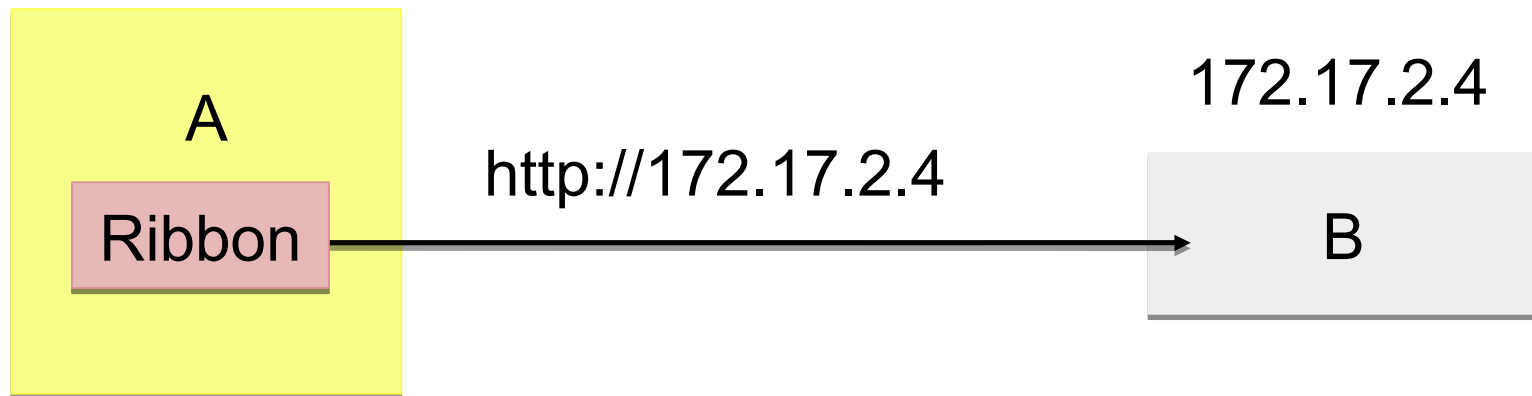
EUREKA_SERVICE_HOST=172.17.130.11



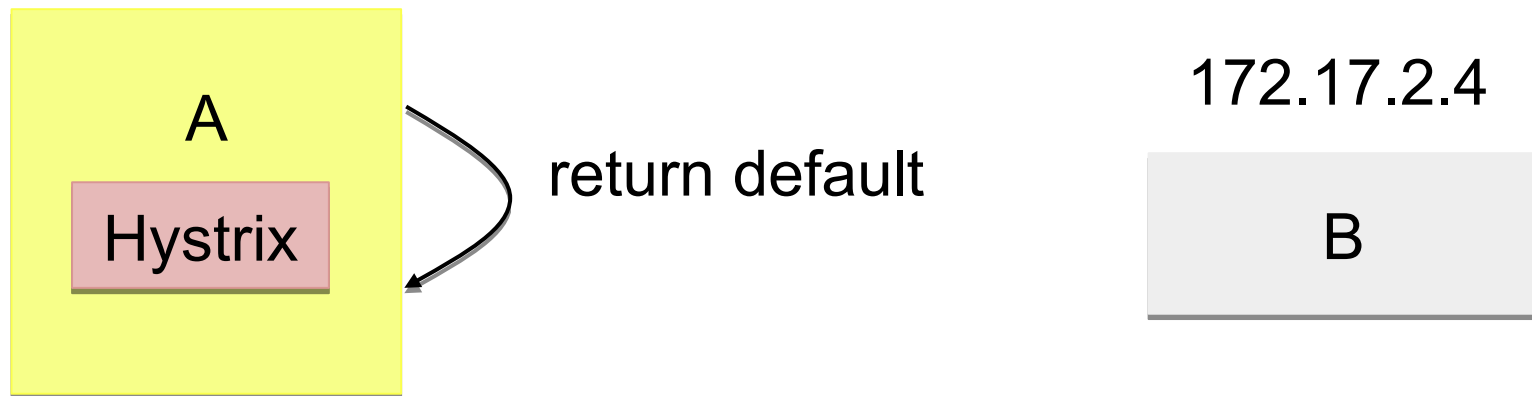
**Feign = Retrofit +
Ribbon + Hystrix**

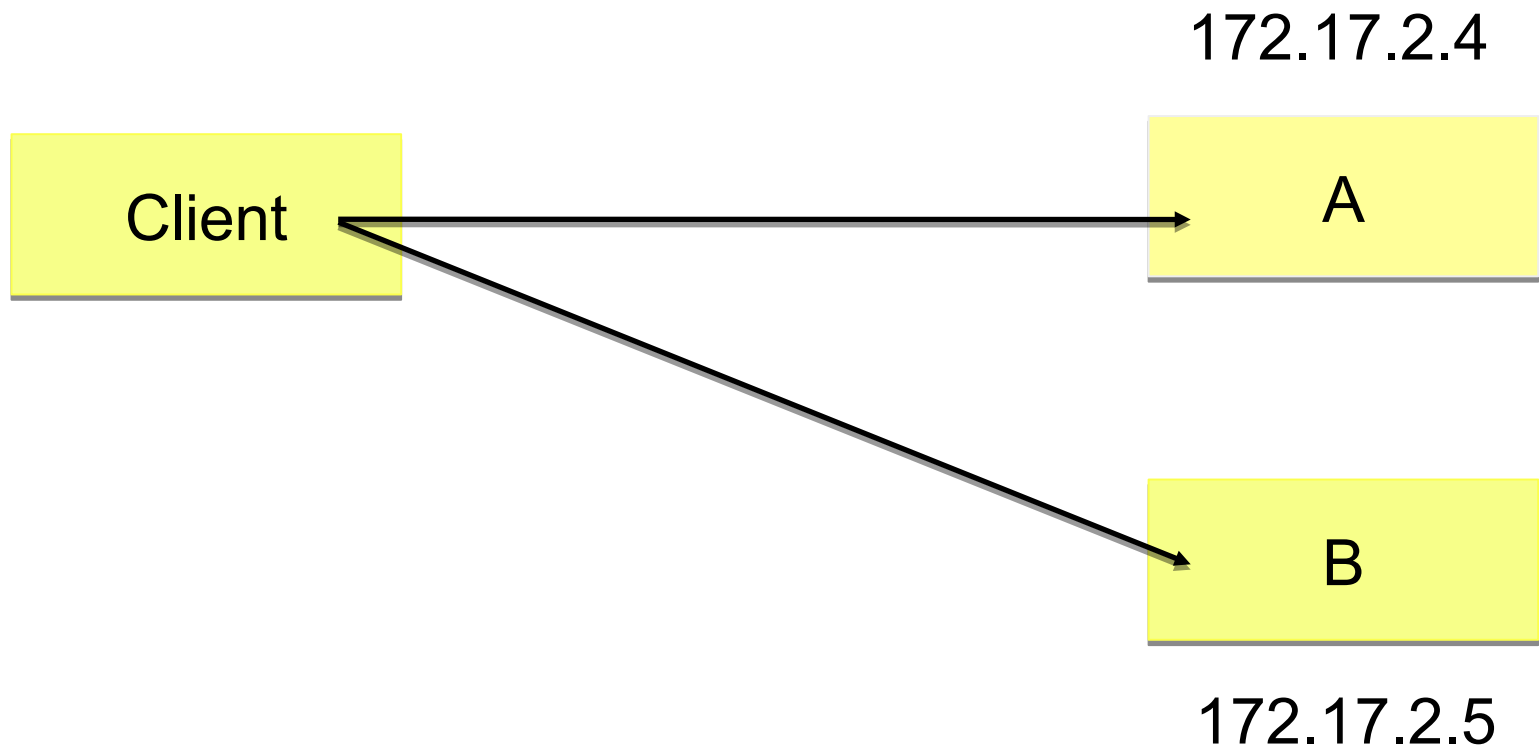


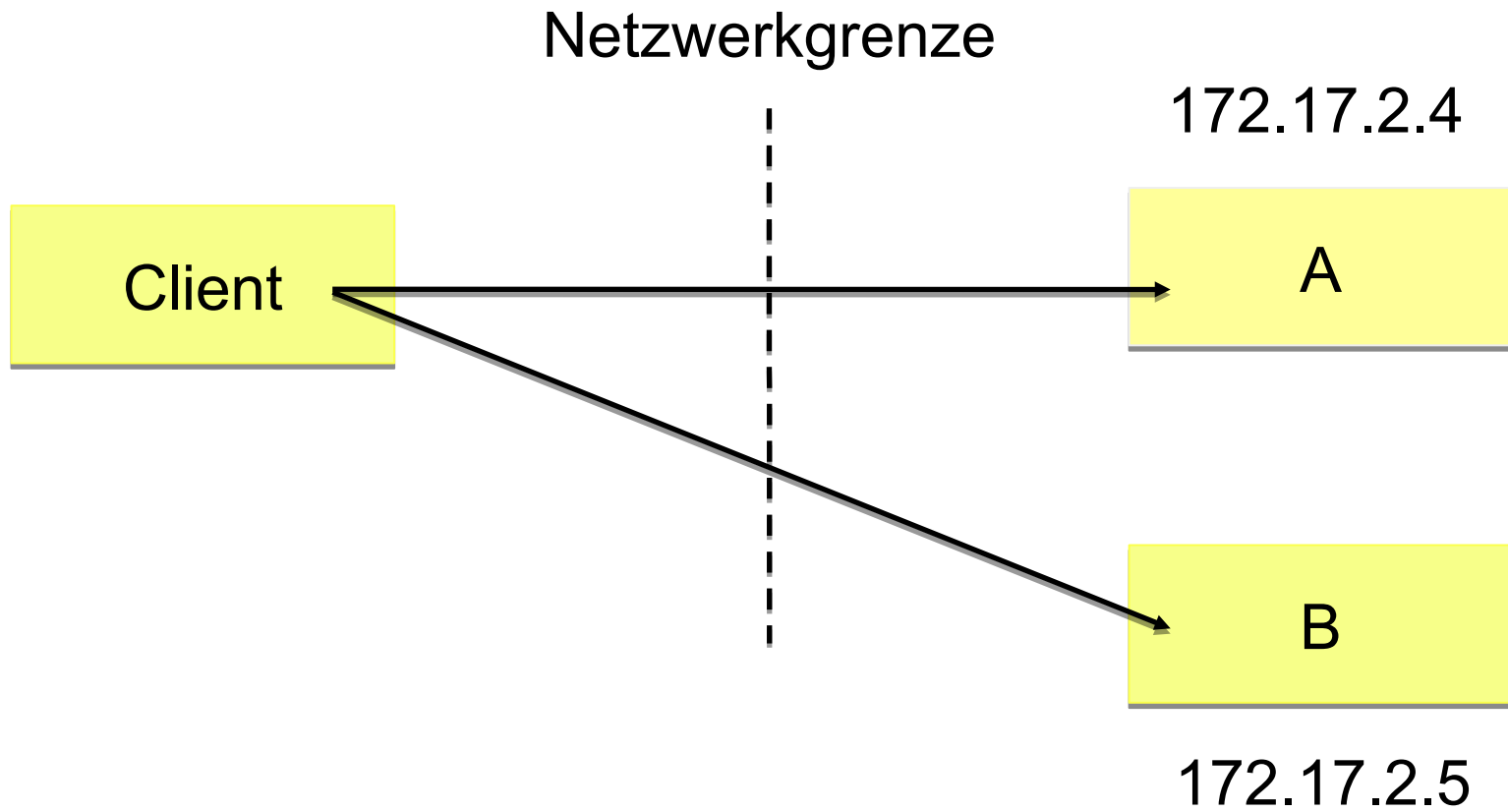


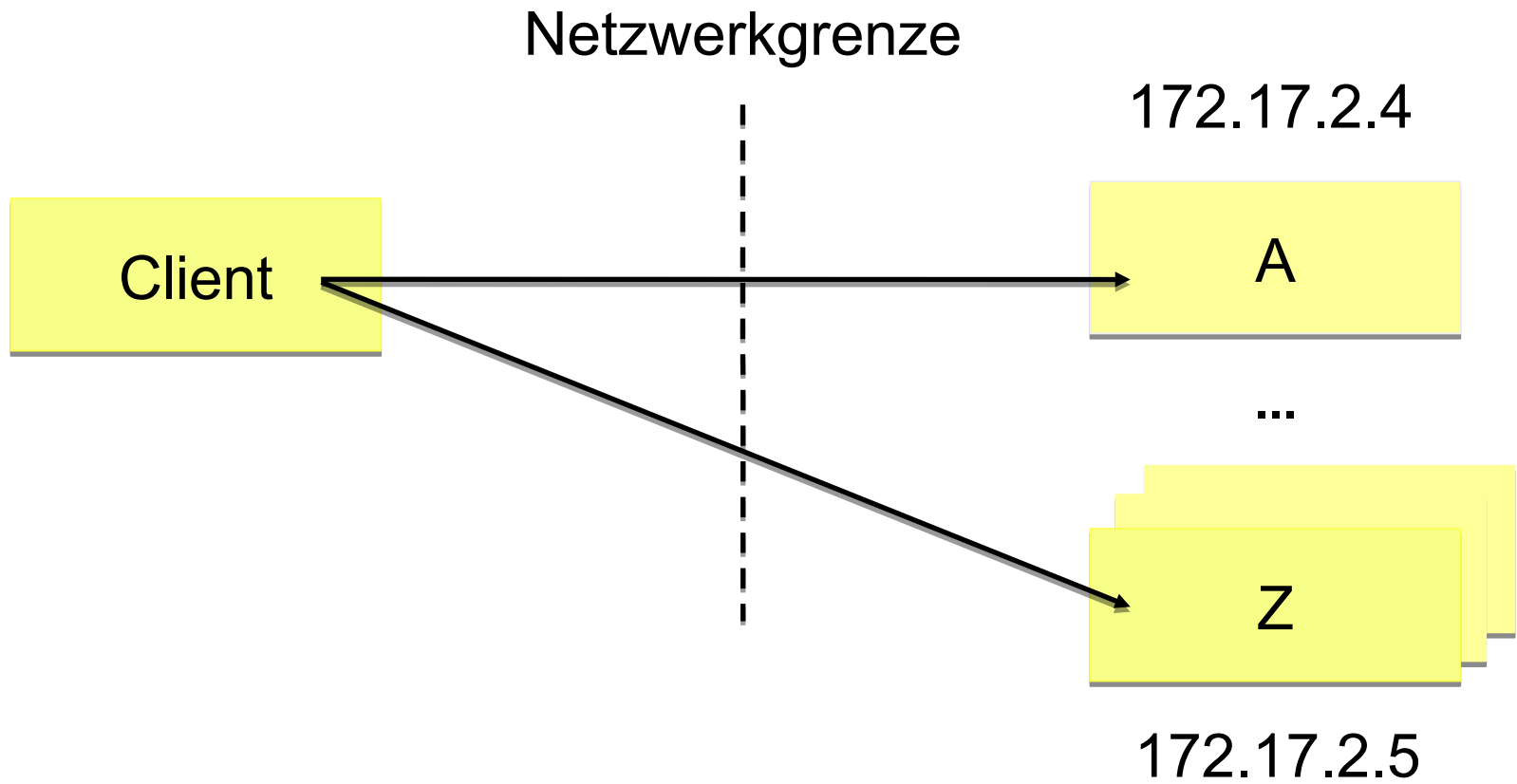


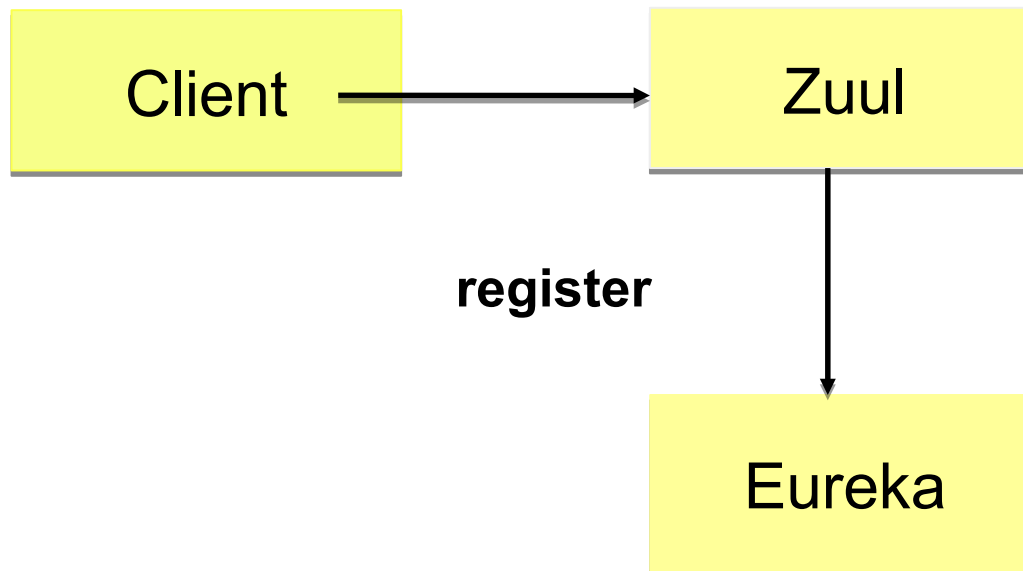


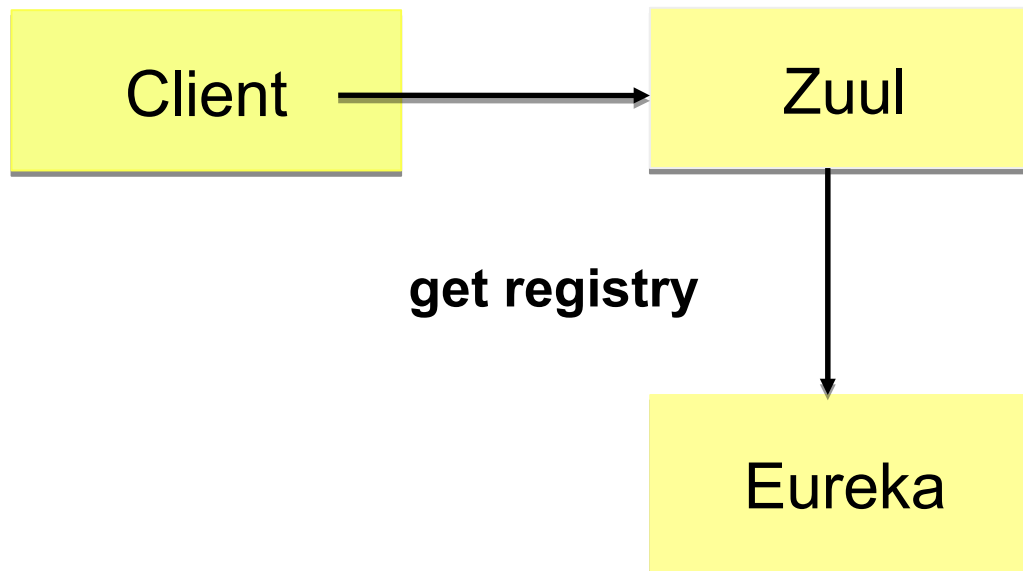




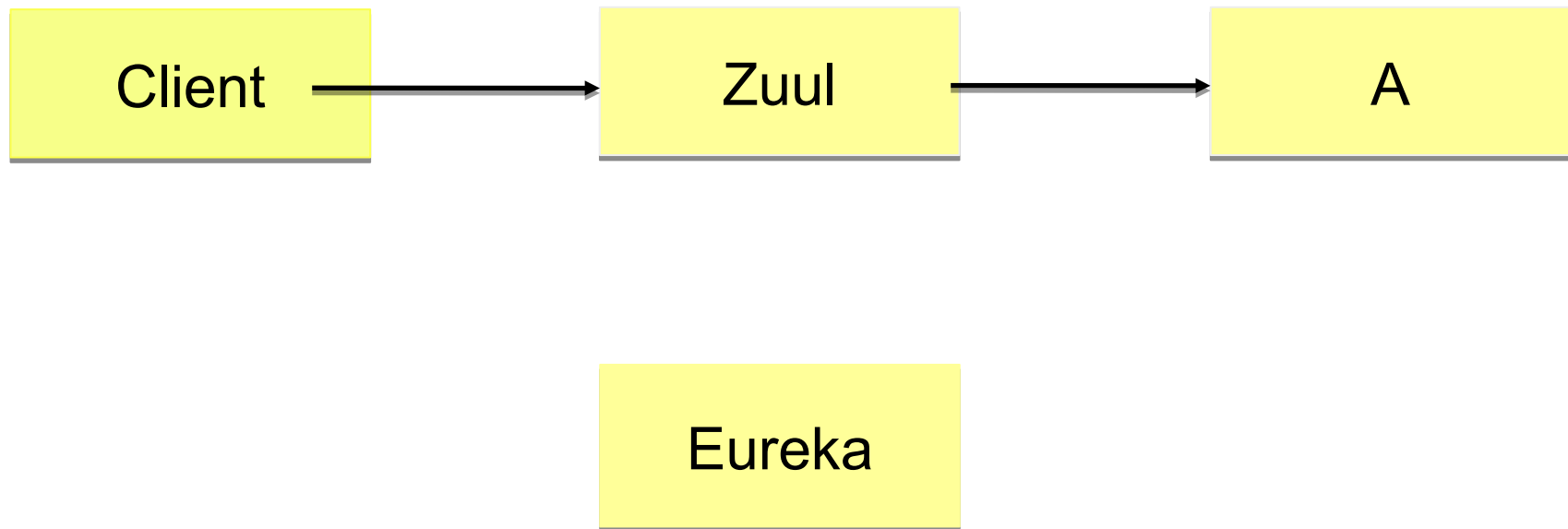






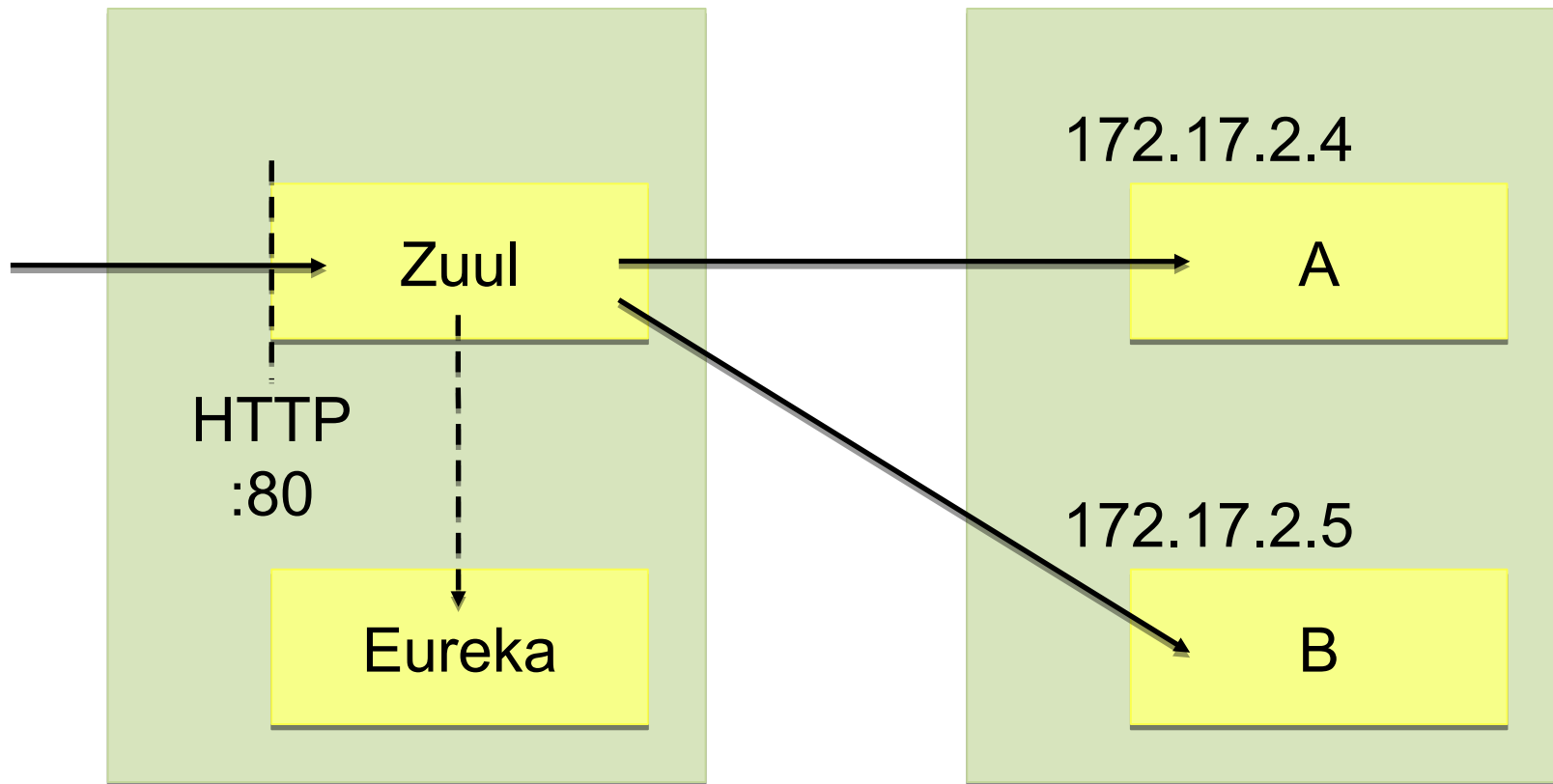


/a/** → Service A



/a/* → Service A

/b/* → Service B





Orientation in Objects



Fragen ?

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Vielen Dank für Ihre Aufmerksamkeit !

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