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**ECLIPSE VERT.X**

# POLYGLOT

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Javascript

Kotlin

Java

Ruby

Groovy

Ceylon

Scala

# MODULAR

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Web

Auth

Data access

Testing

Circuit breaker

GraphQL

...

[HTTPS://VERTX.IO/DOCS/](https://vertx.io/docs/)

# WHO'S USING

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Tesco

RedHat

Cyanogen

MásMóvil

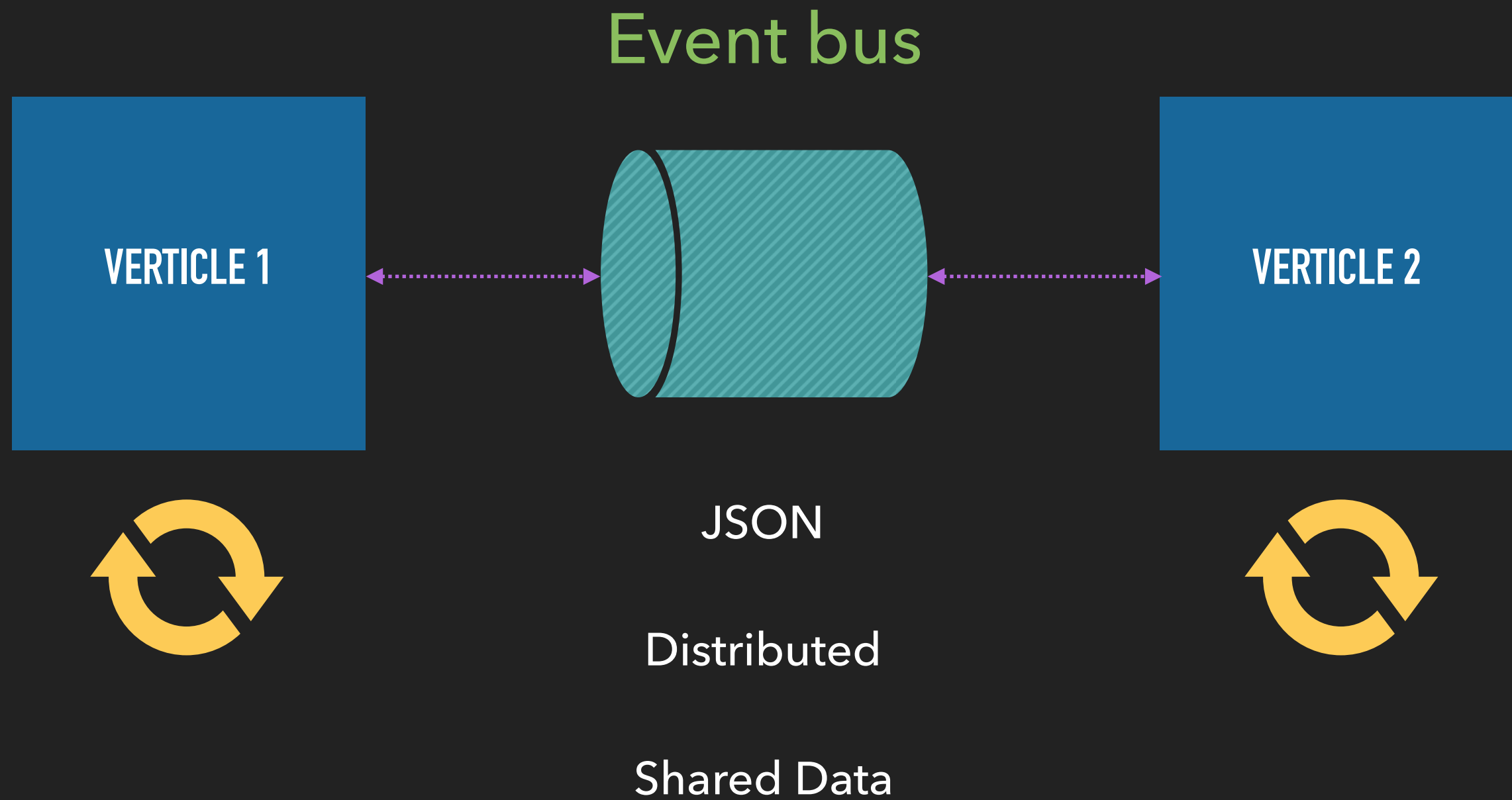
Zalando

VMware

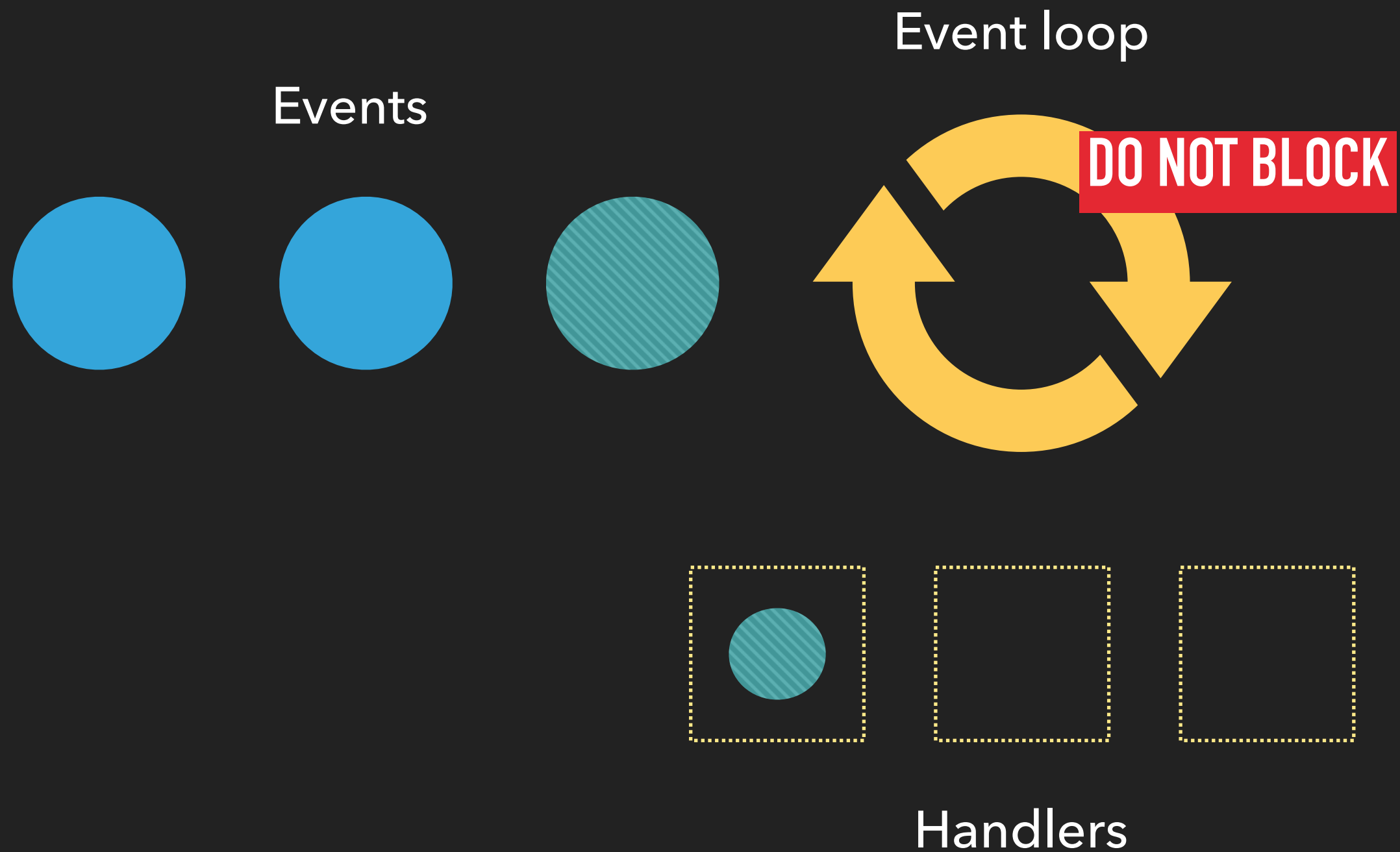
Groupon

# VERTICLE MODEL

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










# EVENT-LOOP



# HIGH SCALABILITY

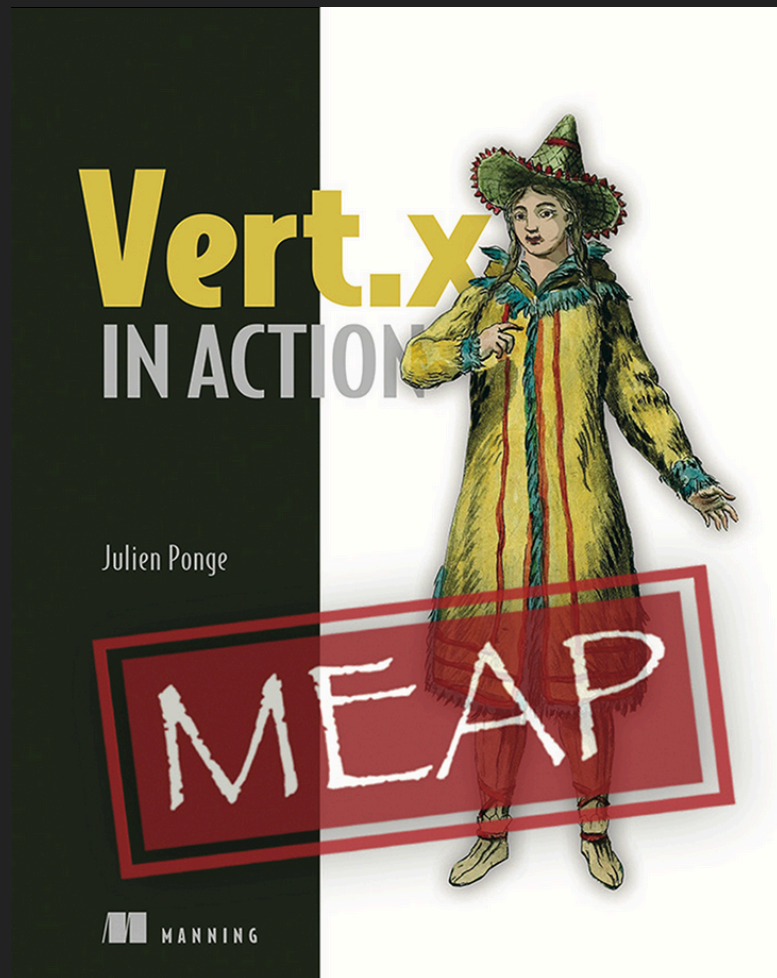
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Rnk	Framework	Best performance (higher is better)	
1	 <a href="#">vertx-postgres</a>	656,272	100.0%
2	 <a href="#">actix-raw</a>	633,305	96.5%
3	 <a href="#">actix-pg</a>	572,115	87.2%
4	 <a href="#">h2o</a>	511,949	78.0%
5	 <a href="#">revenj-jvm</a>	480,872	73.3%
6	 <a href="#">swoole</a>	461,819	70.4%
7	 <a href="#">vertx-web-postgres</a>	416,897	63.5%
8	 <a href="#">fasthttp-postgresql</a>	416,641	63.5%
9	 <a href="#">cpoll_cppsp-postgres-raw</a>	409,617	62.4%
10	 <a href="#">cpoll_cppsp-raw</a>	406,646	62.0%

<https://www.techempower.com/benchmarks/>

<https://github.com/vert-x3/vertx-mysql-postgresql-client>

<https://vertx.io/docs/guide-for-java-devs>



<https://github.com/vert-x3/vertx-awesome>

<https://gitter.im/eclipse-vertx/vertx-users>

<https://start.vertx.io/>



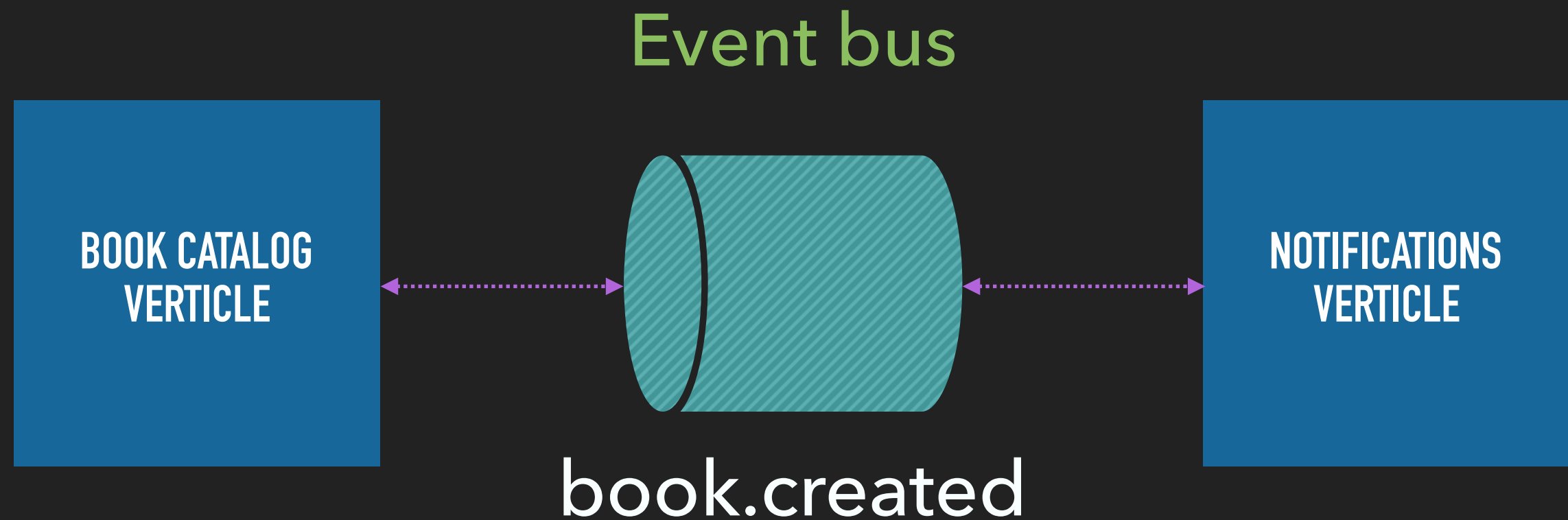
# ALTERNATIVES – JVM

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# DEMO – BOOK API

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GET /books

POST /books

```
{"title": "El Quijote", "author": "Cervantes"}
```