

BigData in Oracle RDBMS

... was nicht passt, wird passend gemacht!



ORACLE®
ACE Associate

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Spitzenleistung heißt, sich auf seine Stärken zu konzentrieren.

merlin.zwo

Wir machen Oracle - nur Oracle.
Aus gutem Grund.

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★★★★★
WANTED

~~DEAD~~ || **ALIVE**



CACHE REWARD



#F4240\$



Oracle DBA

(m/w/d/...)

und

Oracle Developer

(m/w/d/...)

SQL, PL/SQL, Apex

★★★★★
WANTED

~~DEAD~~ || **ALIVE**



CACHE REWARD



#F4240\$







Die Cloud-Idee



- Skalierbarkeit / Lastverteilung / HA



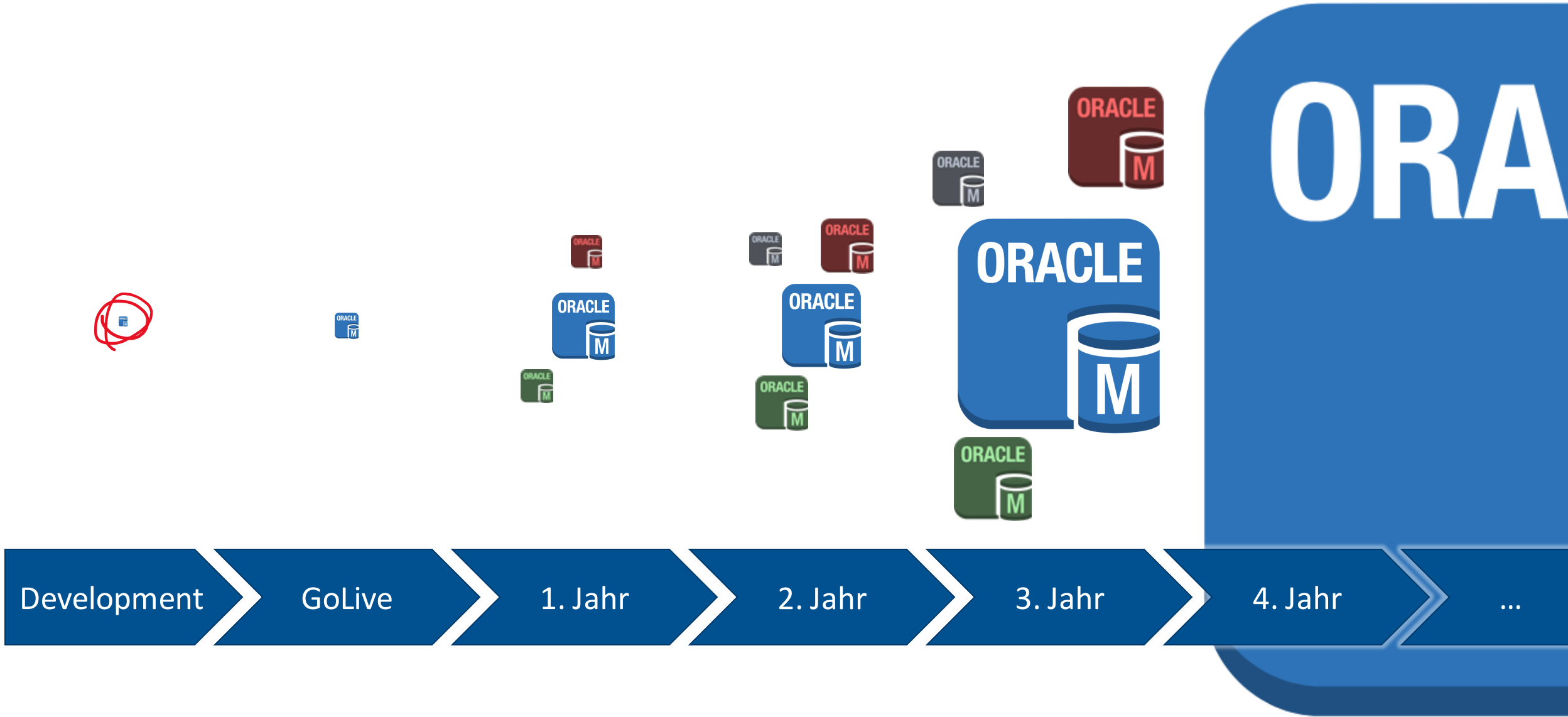
- Skalierbarkeit / Lastverteilung / HA
- Software wird in kleine Services aufgeteilt

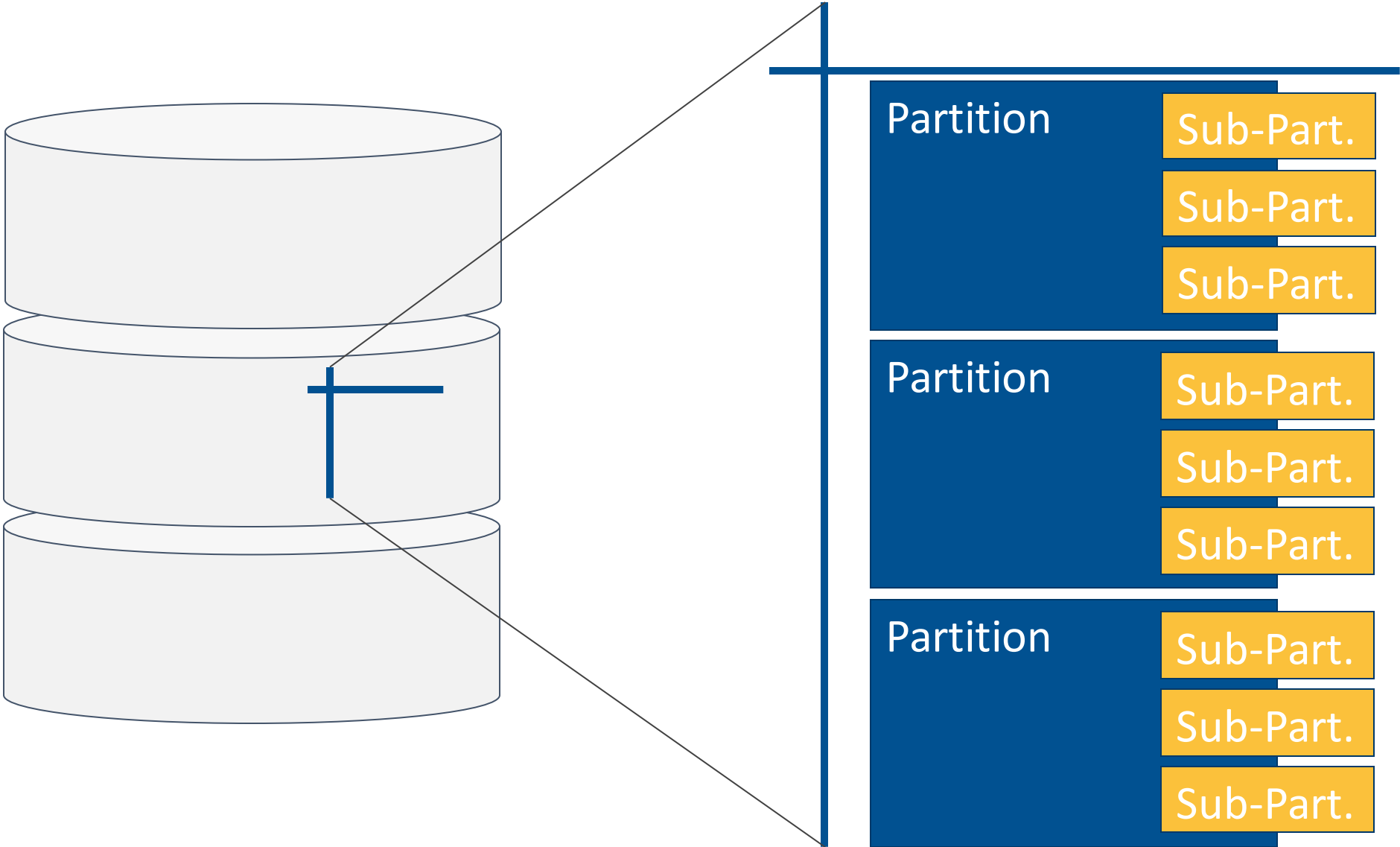


- Skalierbarkeit / Lastverteilung / HA
- Software wird in kleine Services aufgeteilt
- Single Responsibility / Spezialisierung

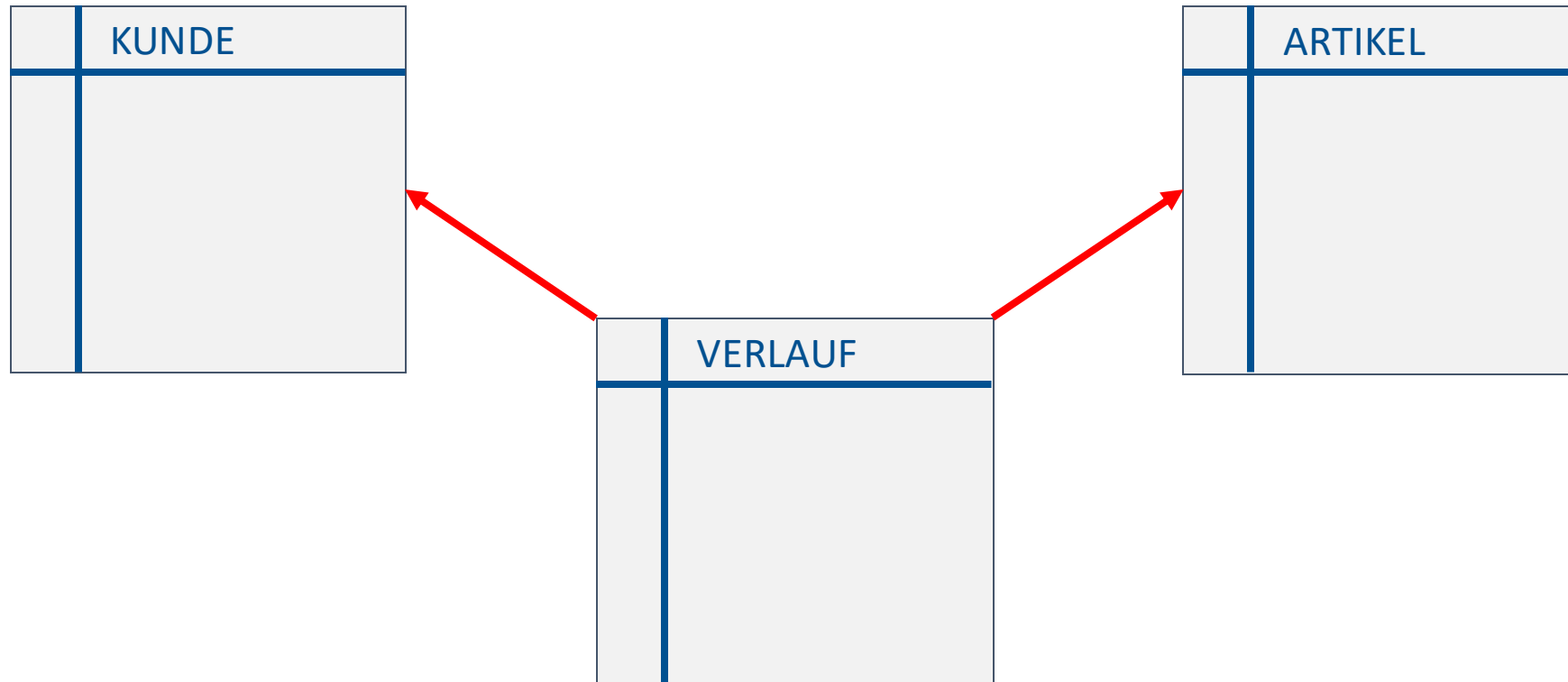
Zwischen Monolithen und Microservices

„Das ist historisch gewachsen!“ („Da für können wir nichts!“)





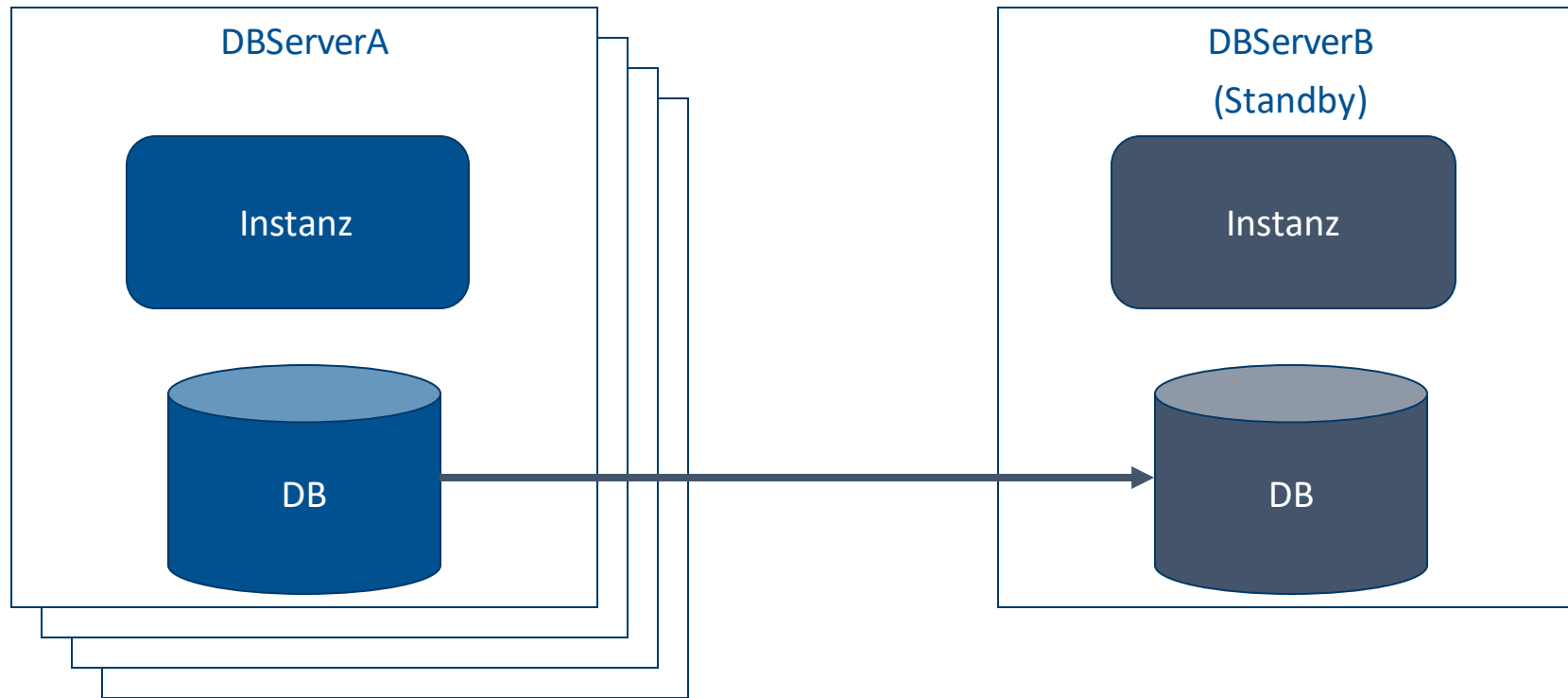
Vergleich: RDBMS und NoSQL

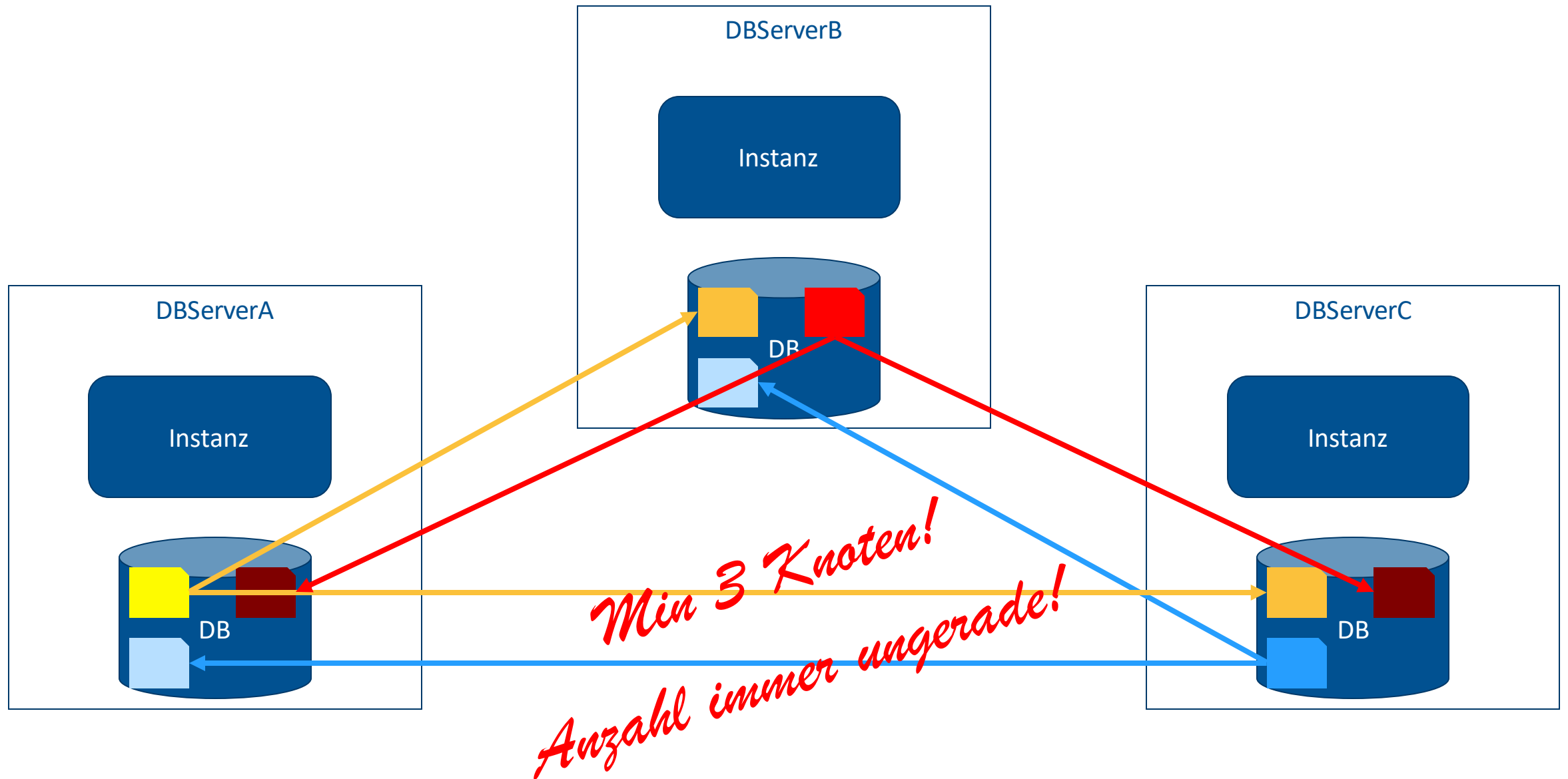


Jeder Artikel-Aufruf generiert
ein JSON-Dokument:

- Informationen zu Kunde
- Informationen zu Artikel
- Informationen zu Aufruf

```
{
  "kunde": {
    "id": 987,
    "name": "merlin.zwo"
  },
  "artikel": {
    "id": 12045,
    "name": "Bob der Blaumeister"
  },
  "timestamp": "2019-05-25T08:05:34.853Z",
  "duration": 300,
  "prev_artikel": 123 optional
}
```





Atomicity, Consistency, Isolation, Durability (relational)

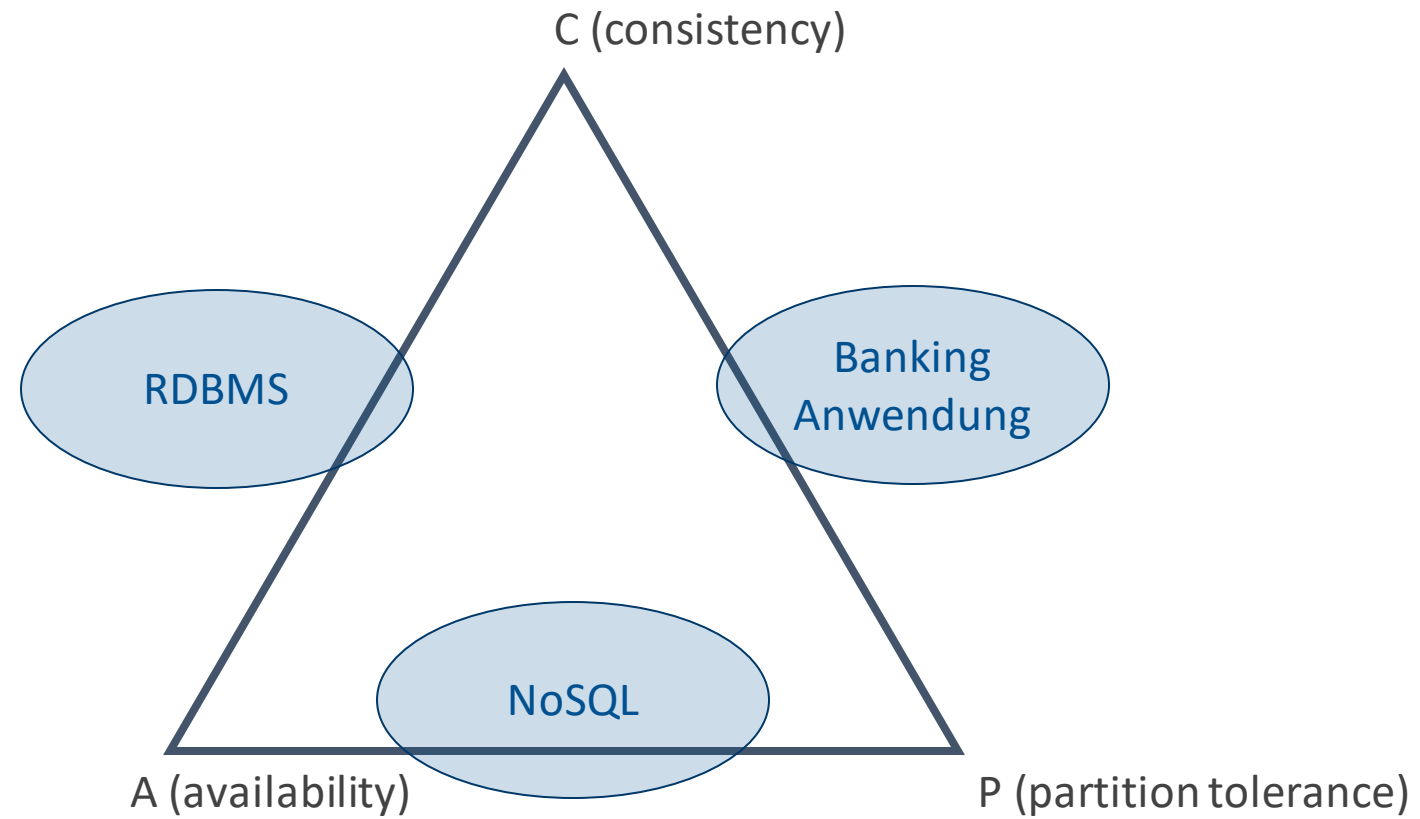
ID	VORNAME	NAME
123	Micky	Mouse
934	Donald	Duck
584	Peter	Parker
4783	Clark	Kent
562	Jack	Sparrow

Immer konsistent!

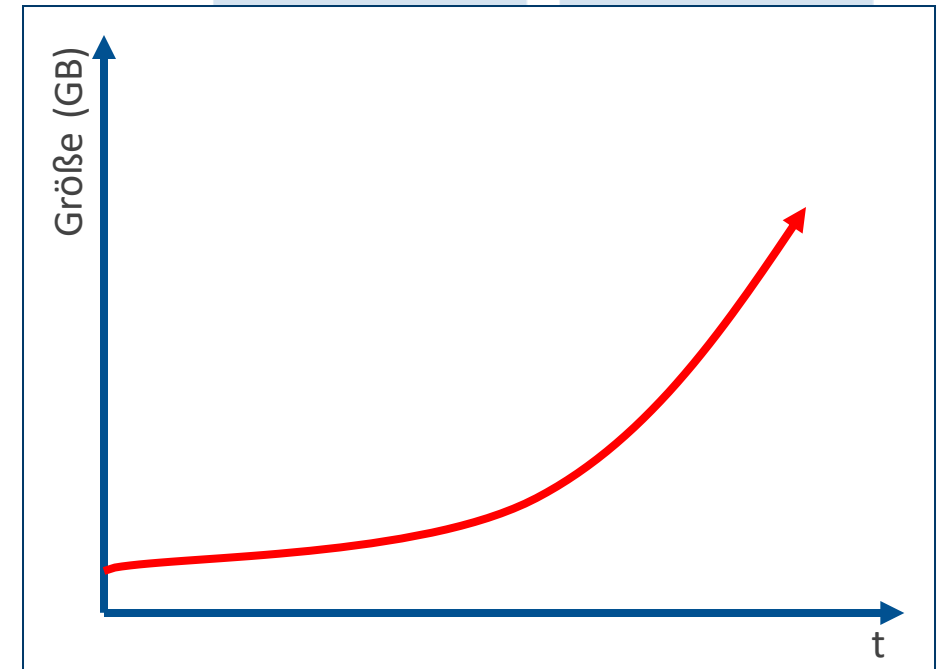
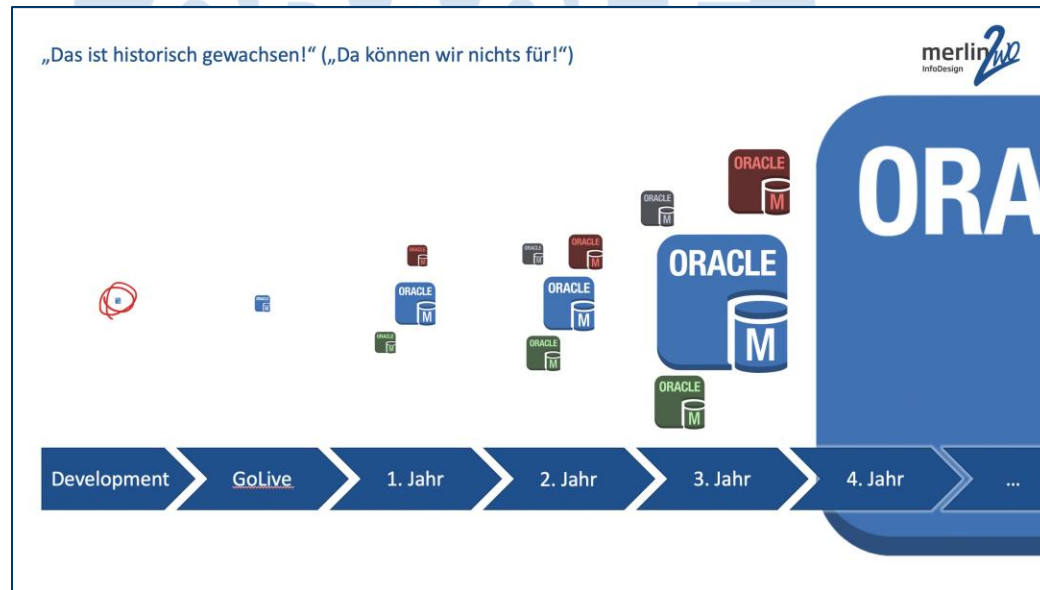
Basically Available, Soft state, Eventual consistency (NoSQL)

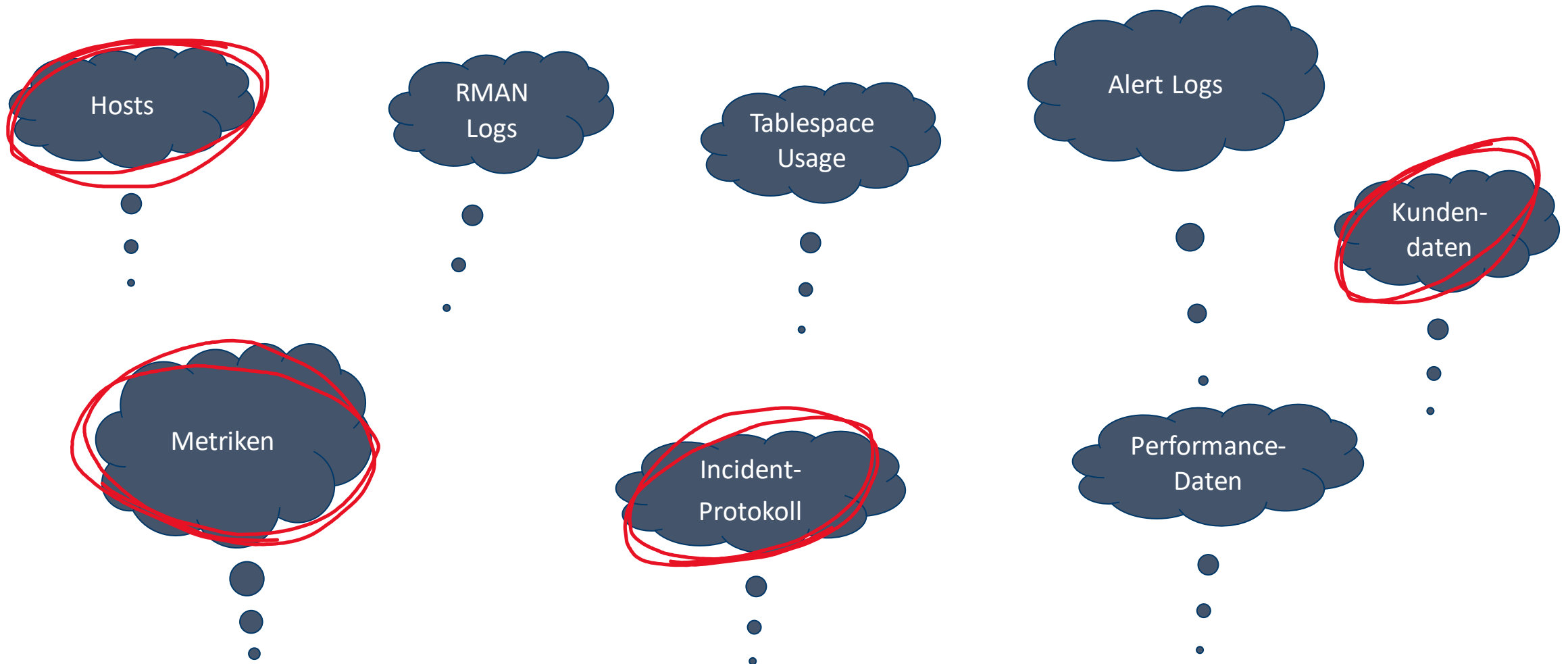


*Konsistent nach
kurzer Zeit!*

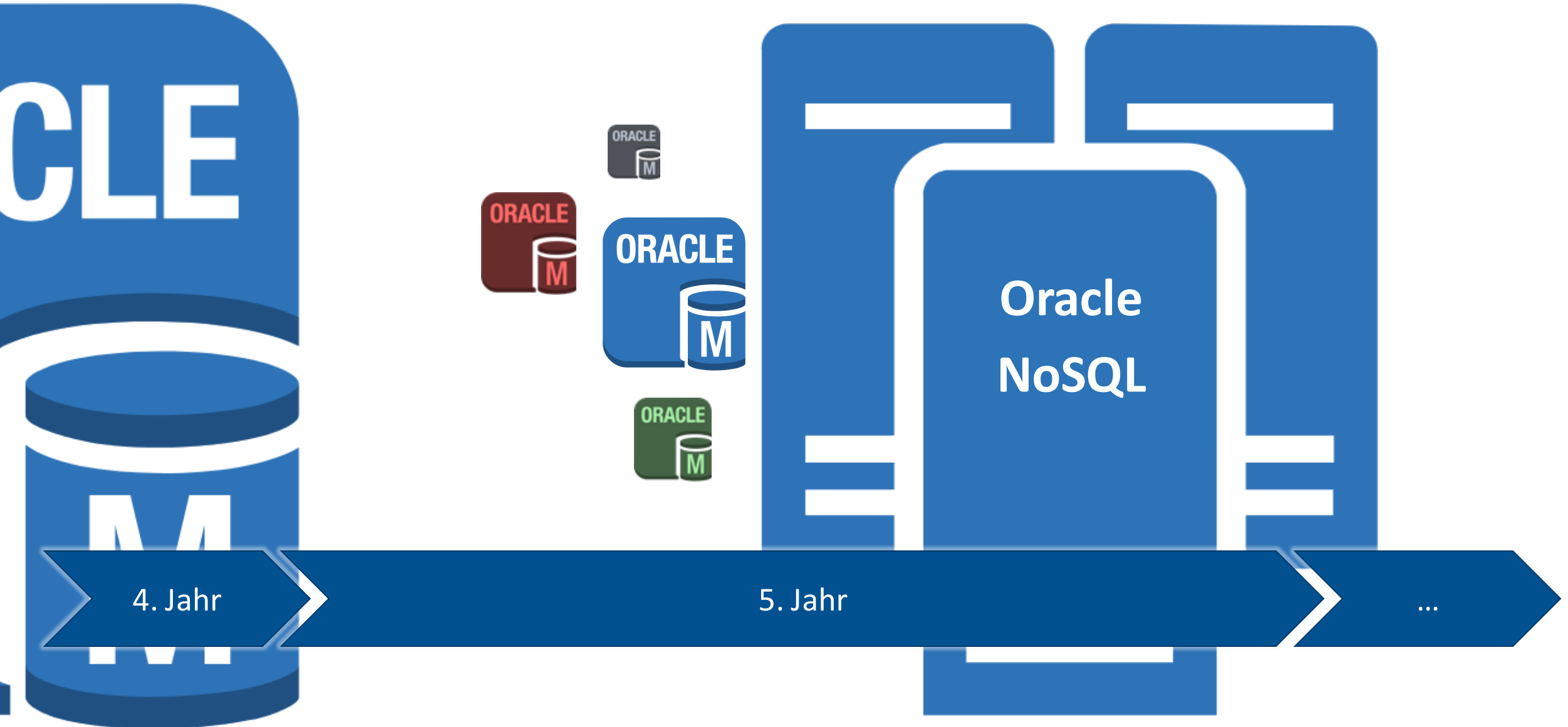


Hätte, hätte Fahrradschloss!





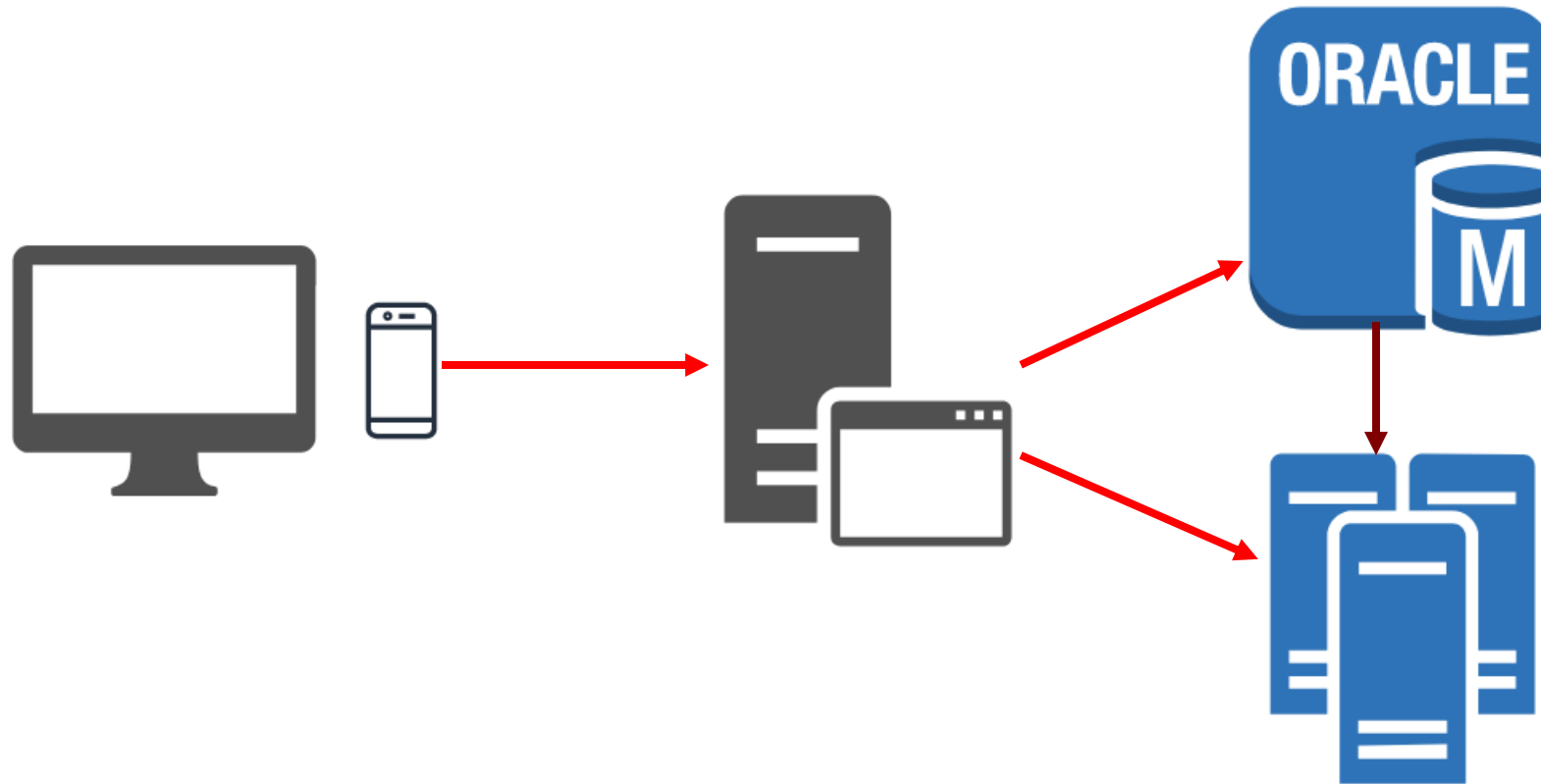


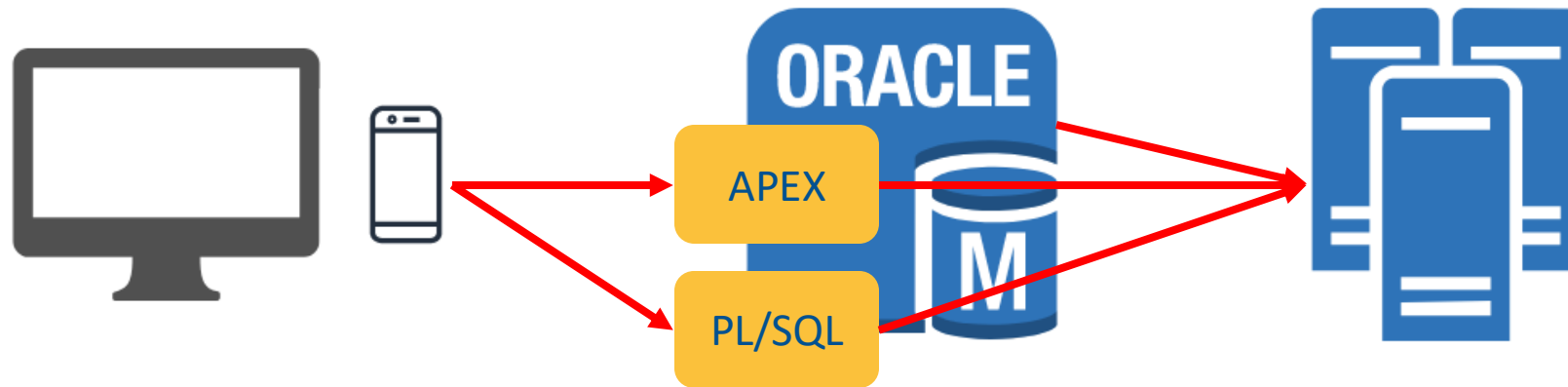


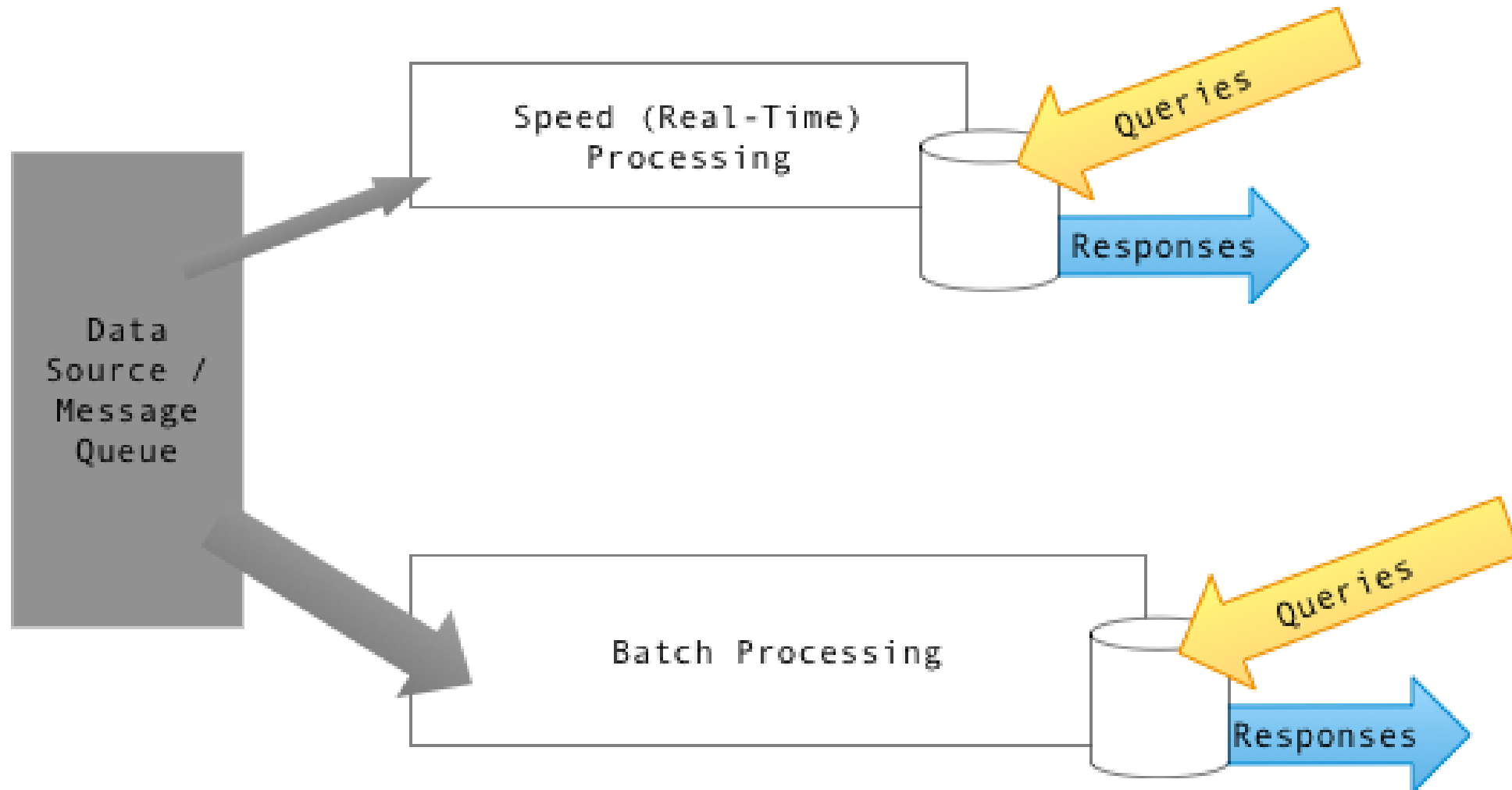
Jedem das Seine



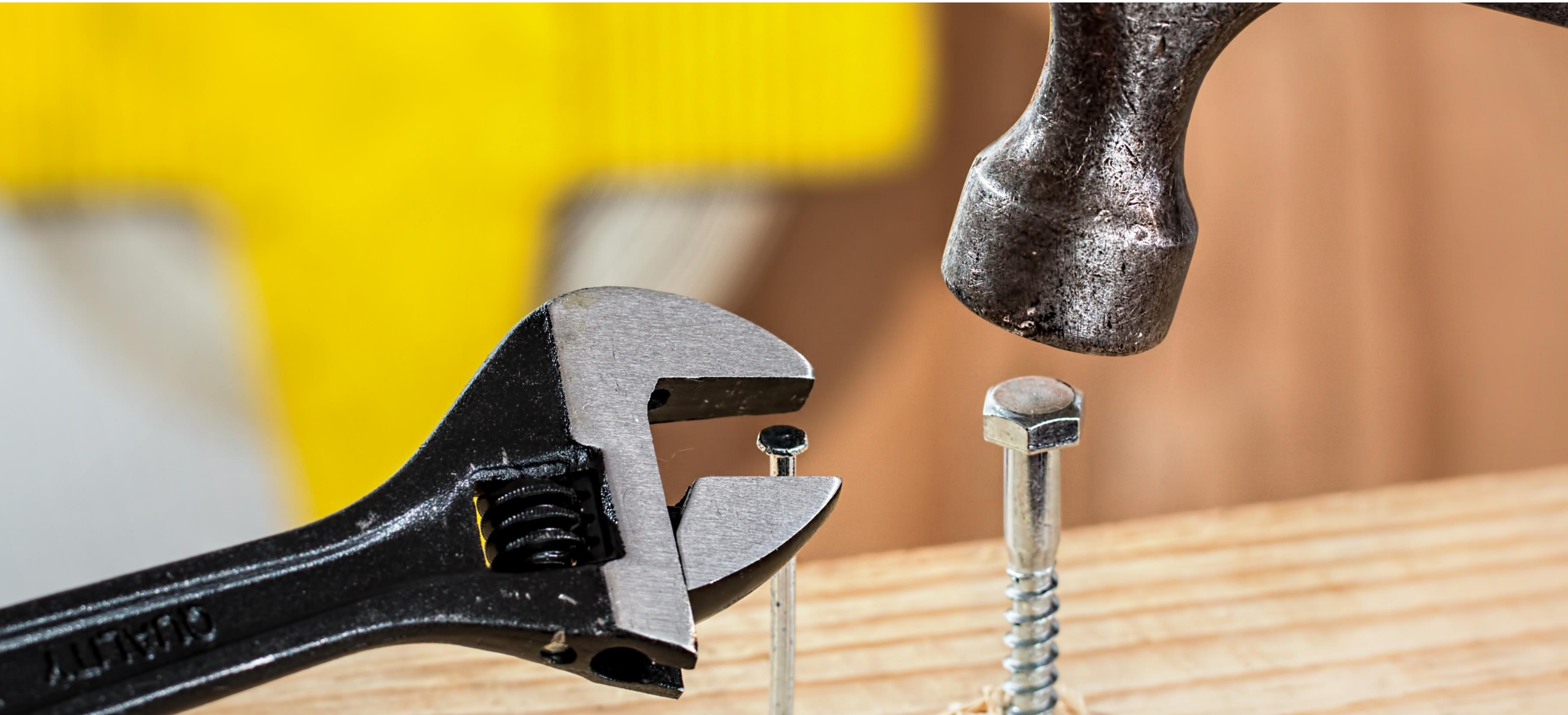




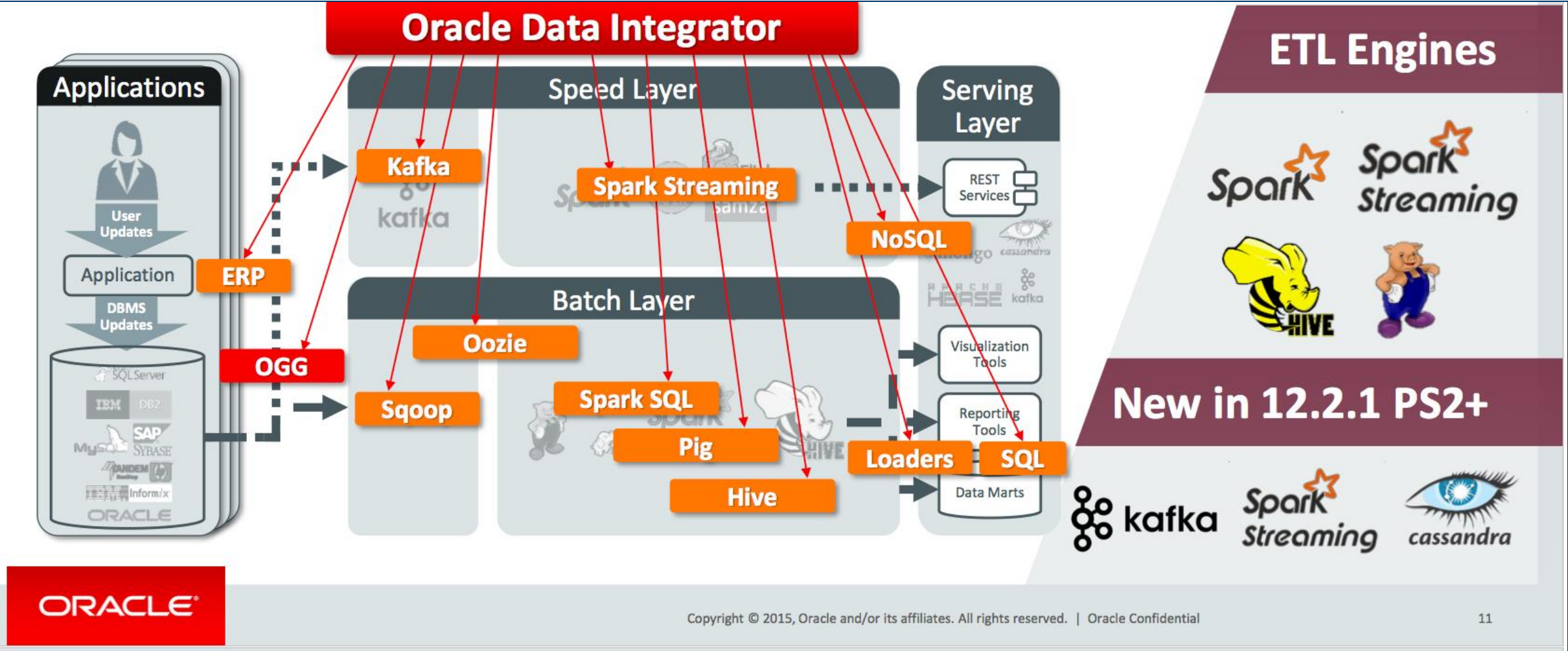


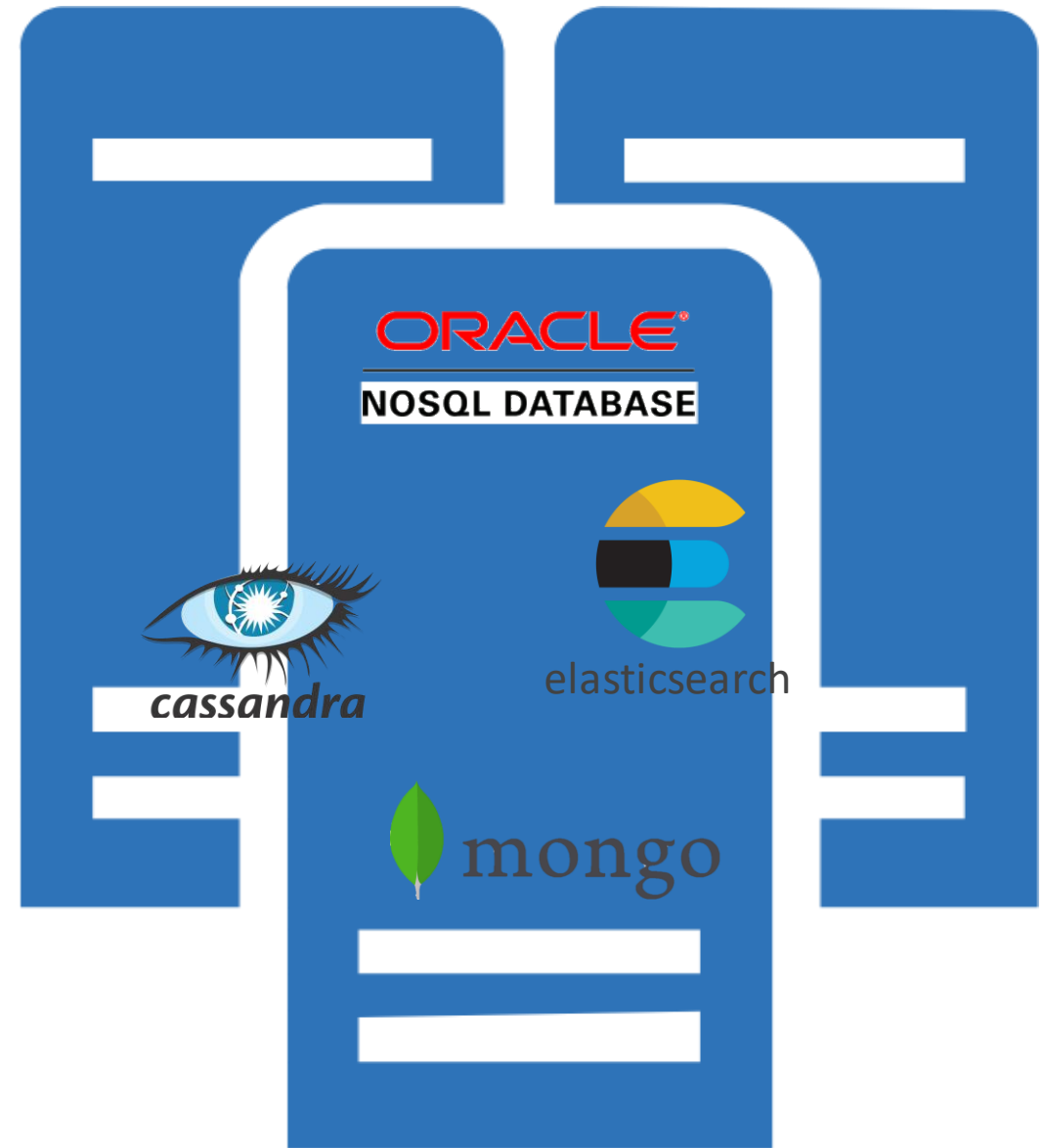
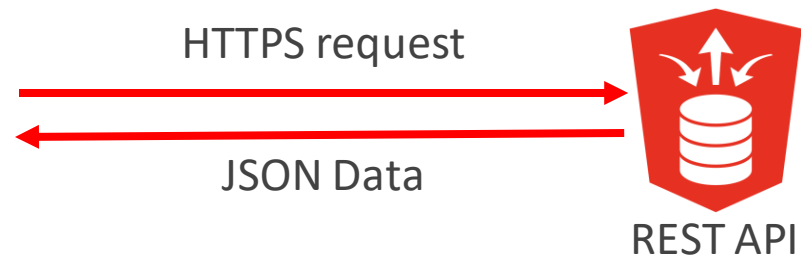


A fool with a tool is still a fool

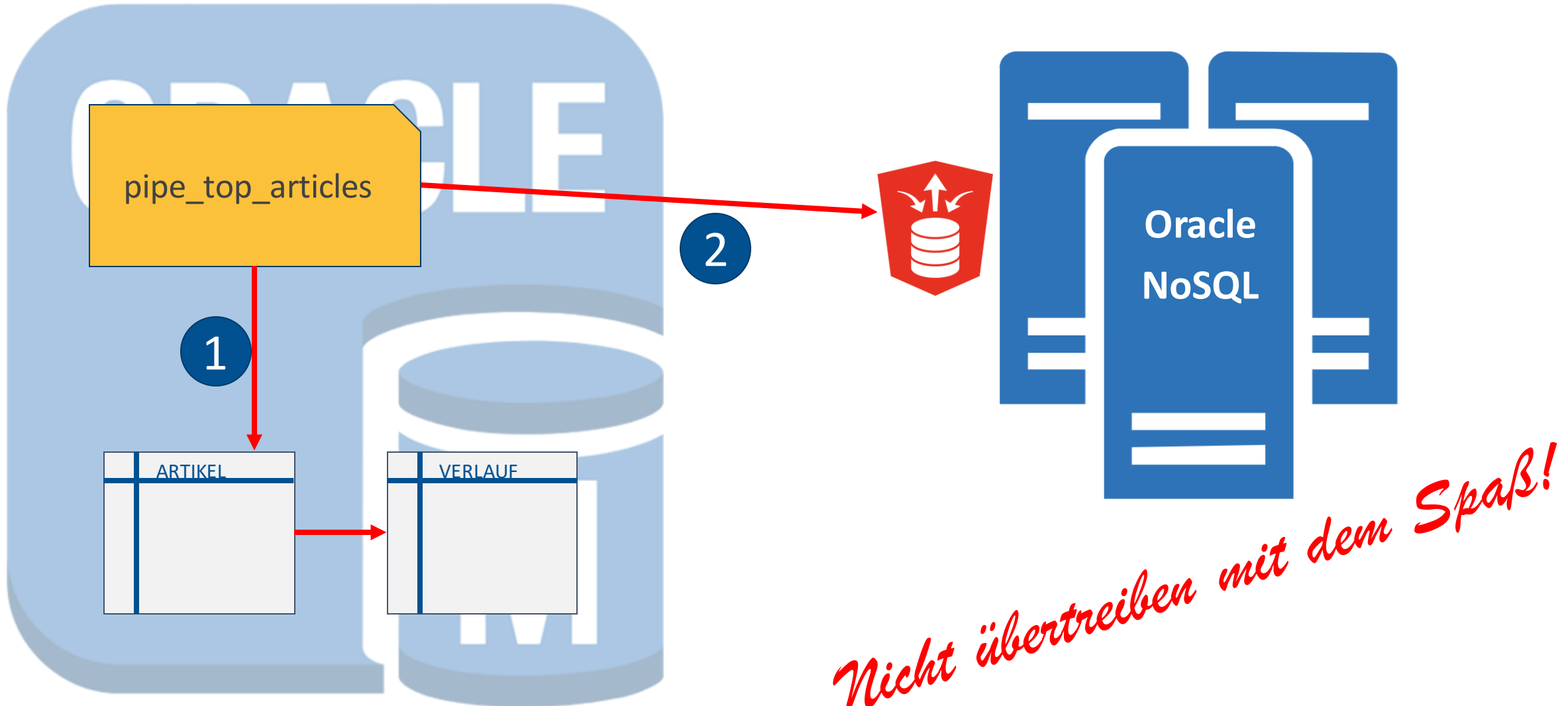


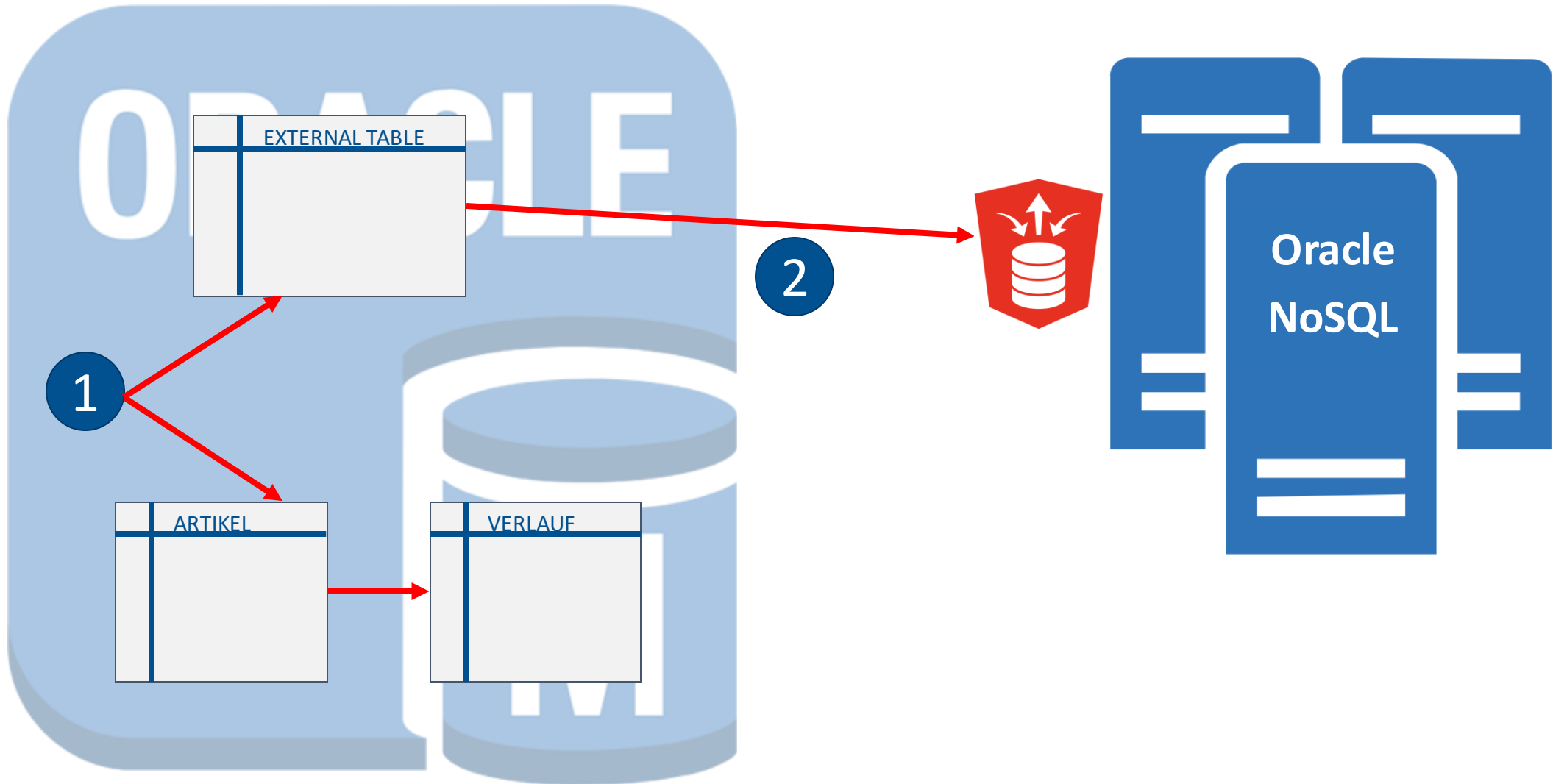
BACKSTAGE AREA






```
SELECT article, avg_clicks FROM TABLE( pipe_top_articles() );
```





APEX: JSON Datenquelle

ORACLE APEX

App BuilderSQL WorkshopTeam DevelopmentApp Gallery

Application 400Shared ComponentsWeb Source Modules

Web Source ModulesUtilizationHistory

GoActions

Create

Web Source Modules

Web Source Modules act as a reference to one or multiple external web services. A module can contain one or many Web Source Operations which are the references to a concrete external web service. Configurations at the module level are shared across all operations of this module.

Create Web Source

General

Web Source Type

Simple HTTPOracle REST Data ServicesOracle Cloud Applications (SaaS) REST Service

NameWeather

URL Endpointapi.openweathermap.org/data/2.5/weather

<

Next >

Fazit



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Kontakt



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Wir kümmern uns!



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