

STRATEGIEN, TAKTIKEN UND MUSTER DER LEGACY-ABLÖSUNG

Tobias Voß

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LEGACY – WERTVOLLES ERBE

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STRATEGIEN

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RETAIN

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REPLACE



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REHOST

LIFT-AND-SHIFT

REENGINEER

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RETIRE



Bildquelle: NDR

ARCHITEKTUR-REVIEWS

Retire

Replace

Legacy-
Strategie

Re-
engineer

Retain

Rehost

TAKTIKEN

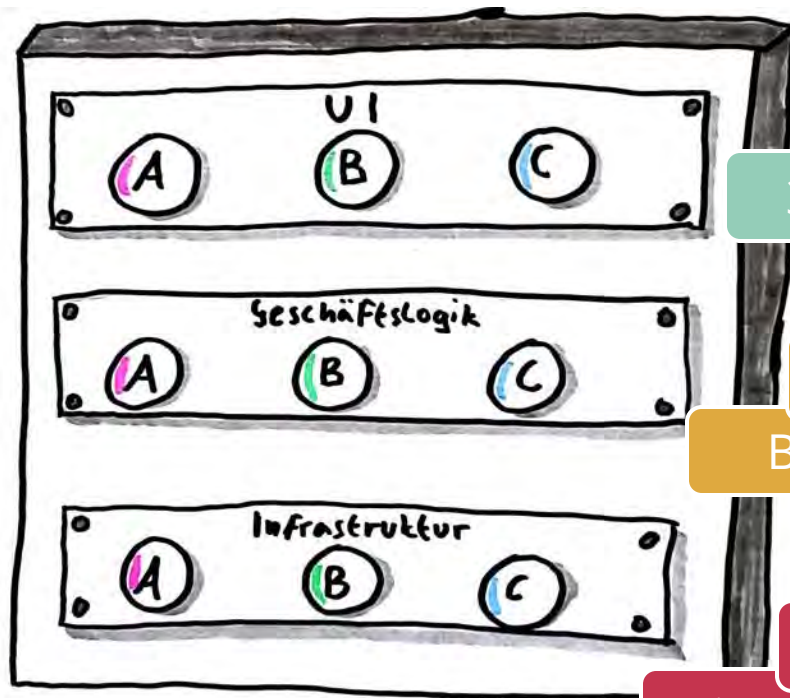
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SCHICHTENWEISE MODERNISIERUNG

Innovationszyklus
3-5 Jahre

Innovationszyklus
5-10 Jahre

Innovationszyklus
10-20 Jahre



Web / Mobile

Desktop

3270-Emulation

REST / Events

SOA / WebServices

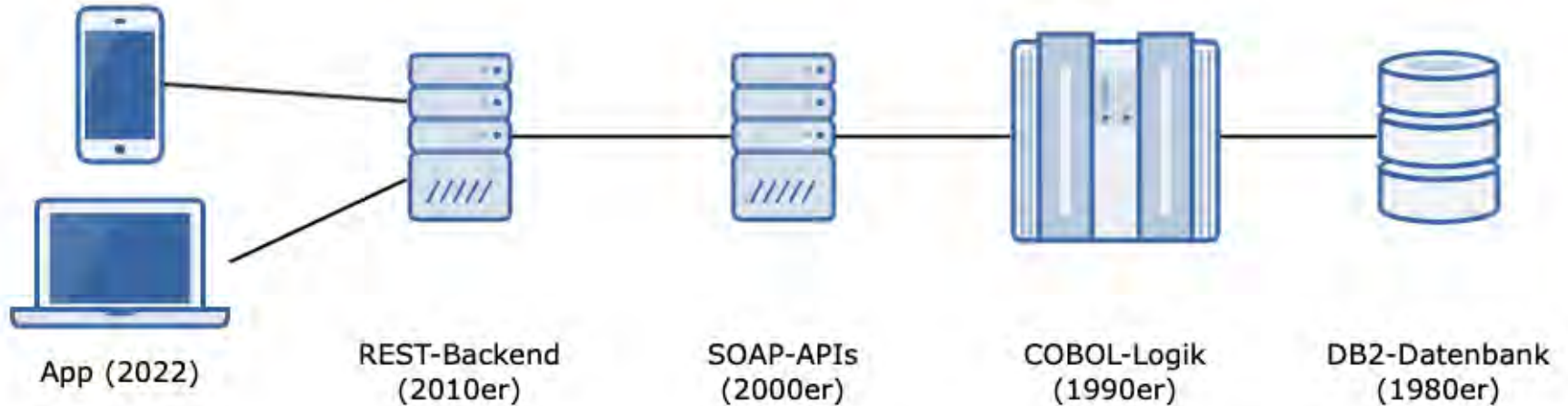
Batch / Online

NoSQL

Relationale DB

Hierarchische DB

ONLINE BANKING – EINE IT-ZEITREISE

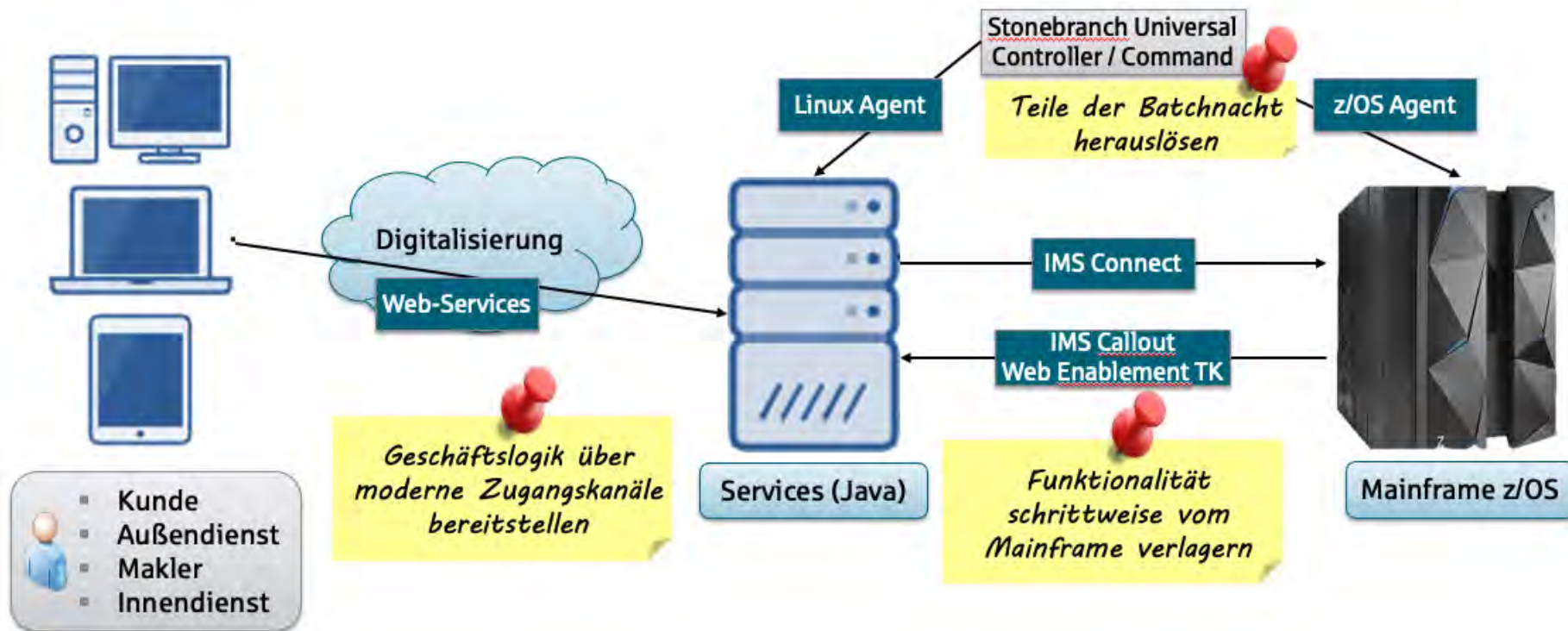


KEEP THE DATA – TOSS THE CODE



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ERFOLGSFAKTOR BRÜCKENTECHNOLOGIEN



EVOLUTIONARY ARCHITECTURE

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MUSTER

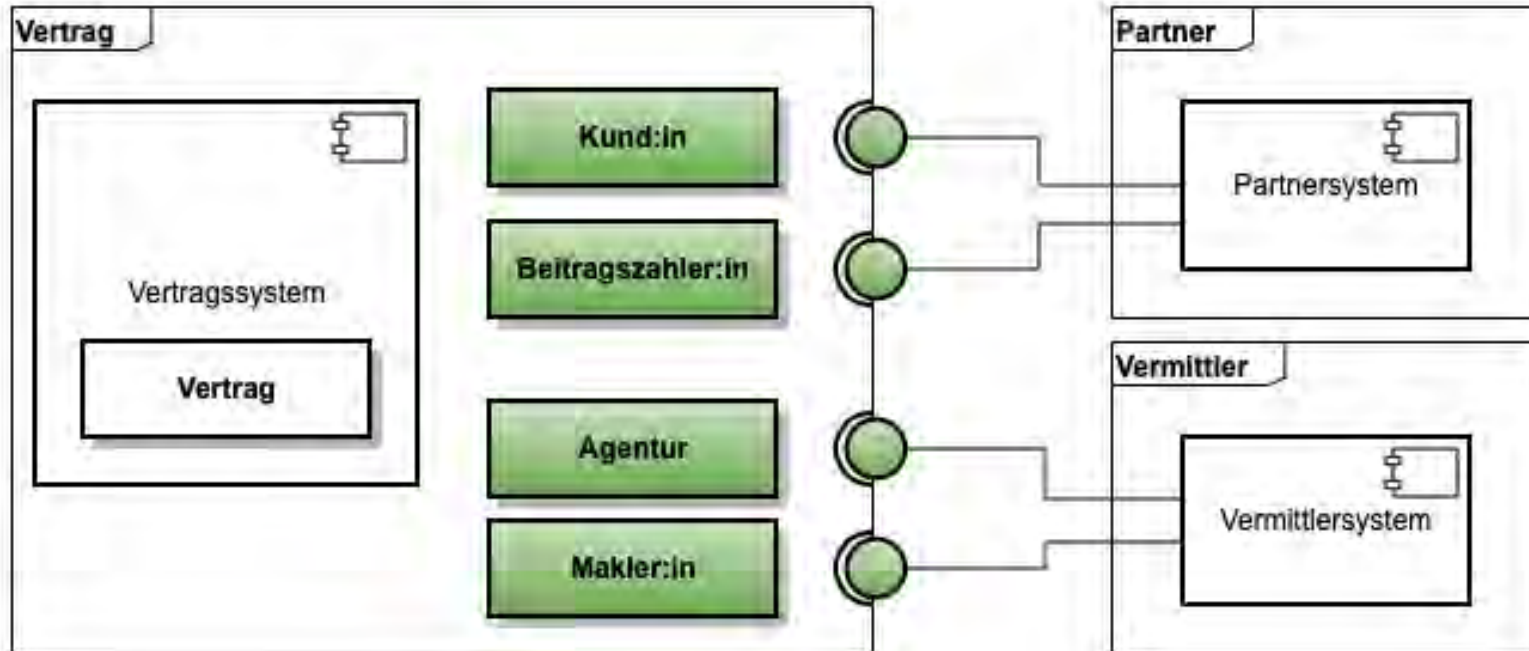
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ANTI-CORRUPTION LAYER



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ANTI-CORRUPTION LAYER



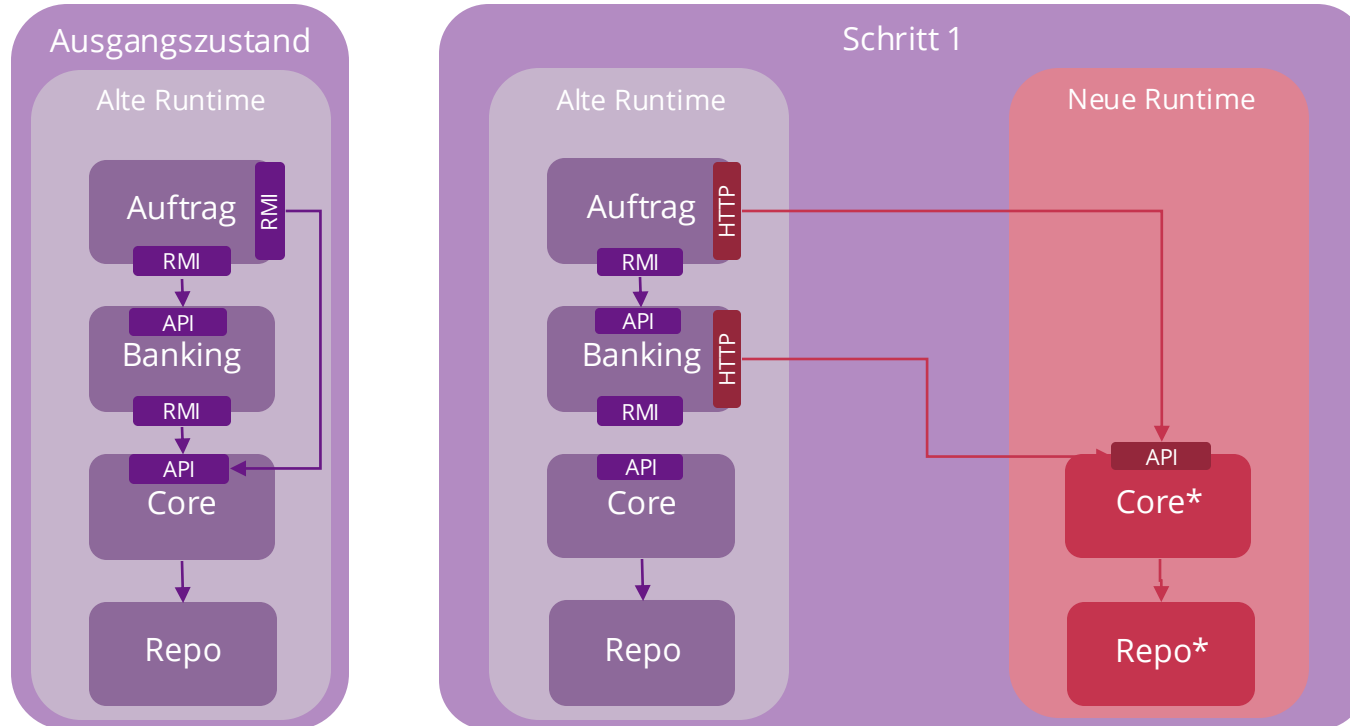
ADAPTER

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STRANGLER FIG PATTERN

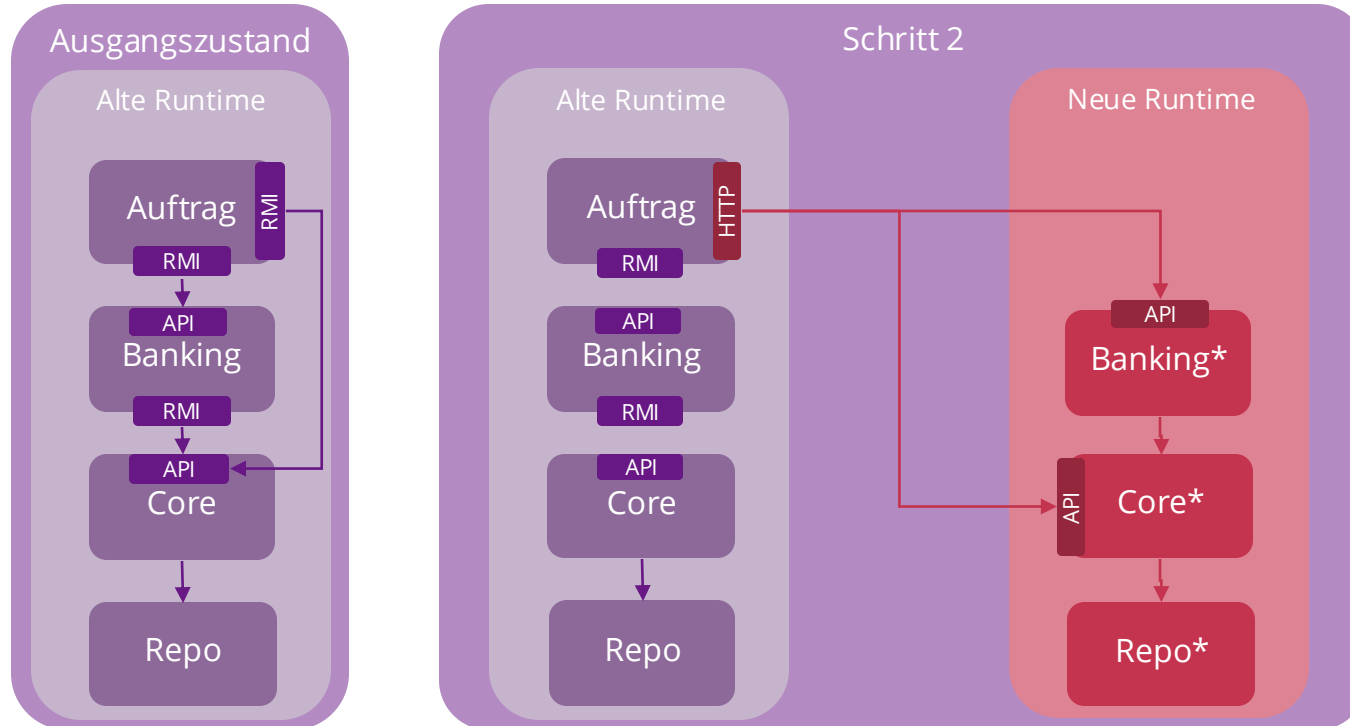
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STRANGLER FIG PATTERN IN DER PRAXIS



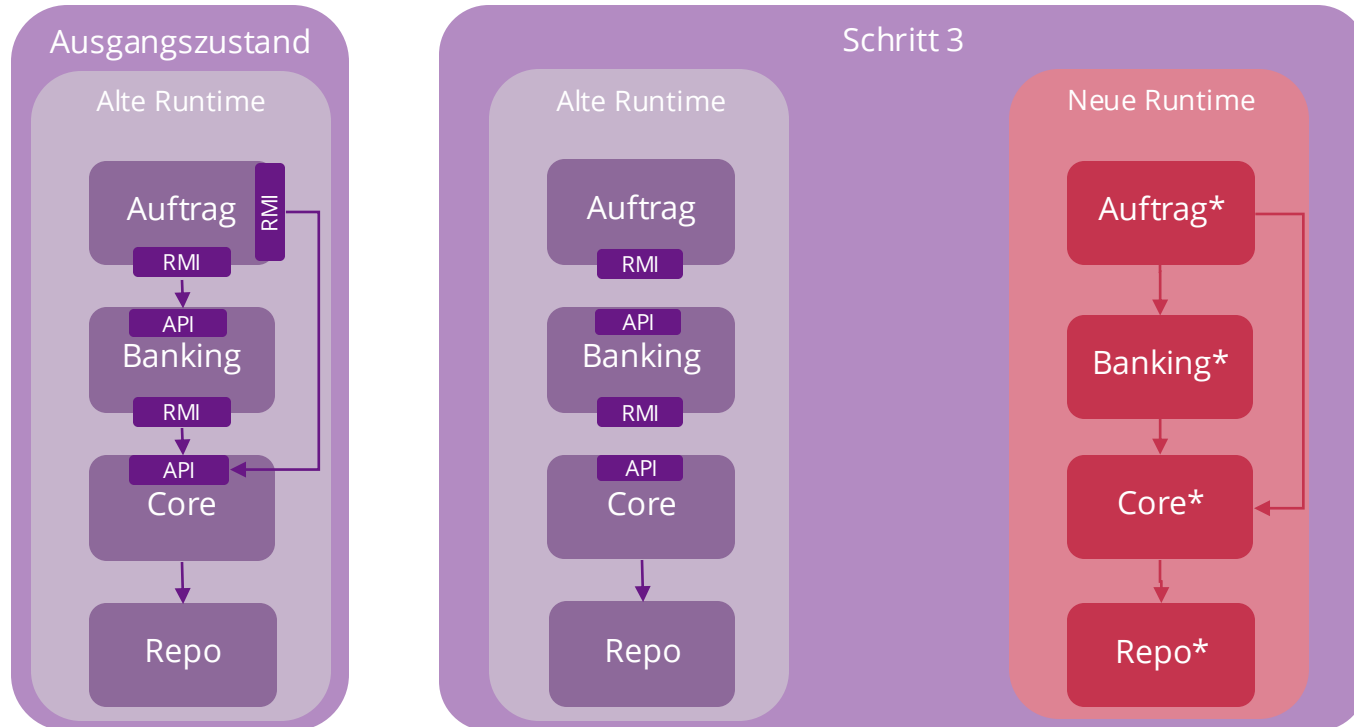
Quelle: <https://blog.viadee.de/weg-von-java-ee-so-gelingt-die-migration>

STRANGLER FIG PATTERN IN DER PRAXIS



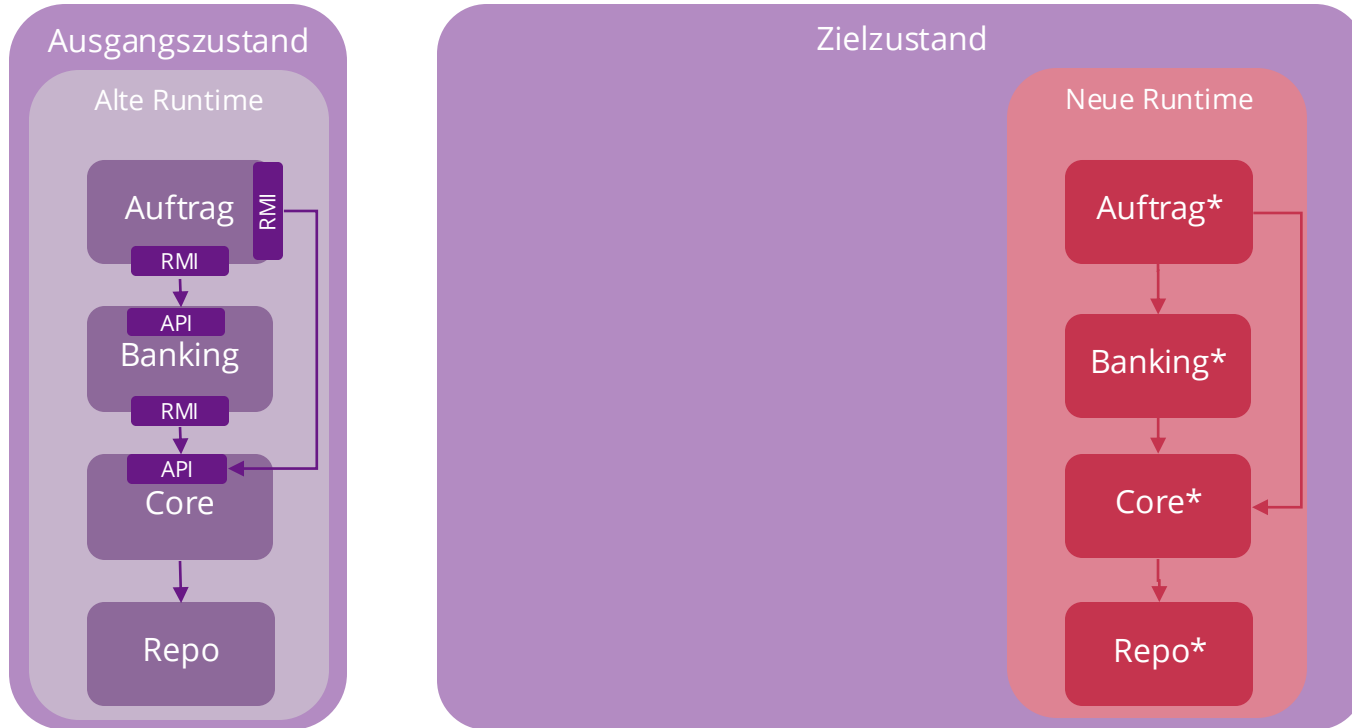
Quelle: <https://blog.viadee.de/weg-von-java-ee-so-gelingt-die-migration>

STRANGLER FIG PATTERN IN DER PRAXIS



Quelle: <https://blog.viadee.de/weg-von-java-ee-so-gelingt-die-migration>

STRANGLER FIG PATTERN IN DER PRAXIS



Quelle: <https://blog.viadee.de/weg-von-java-ee-so-gelingt-die-migration>

THE BRIDGE TO THE NEW TOWN



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Starbucks Does Not Use Two-Phase Commit

November 19, 2004

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ARTICLE

Sagas

Authors: [Hector Garcia-Molina](#), [Kenneth Salem](#) [Authors Info & Affiliations](#)**Publication:** SIGMOD '87: Proceedings of the 1987 ACM SIGMOD international conference on Management of data • December 1987 • Pages 249–259 • <https://doi.org/10.1145/38713.38742>

682 2,445

SIGMOD '87:
Proceedings of the...
Sagas

Pages 249–259

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ABSTRACT

Long lived transactions (LLTs) hold on to database resources for relatively long periods of time, significantly delaying the termination of shorter and more common transactions. To alleviate these problems we propose the notion of a saga. A LLT is a saga if it can be written as

Saga: How to implement complex business transactions without two phase commit.



Bernd Rücker

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Apr 26, 2017 • 6 min read



I talked about Sagas more than 3 times this week so it is time to write a blog post about it.

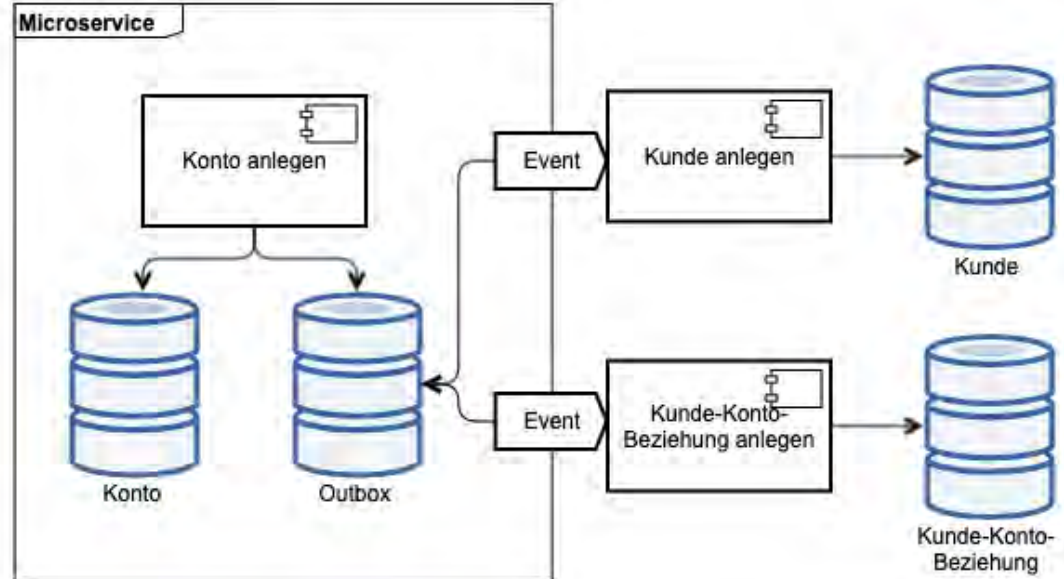
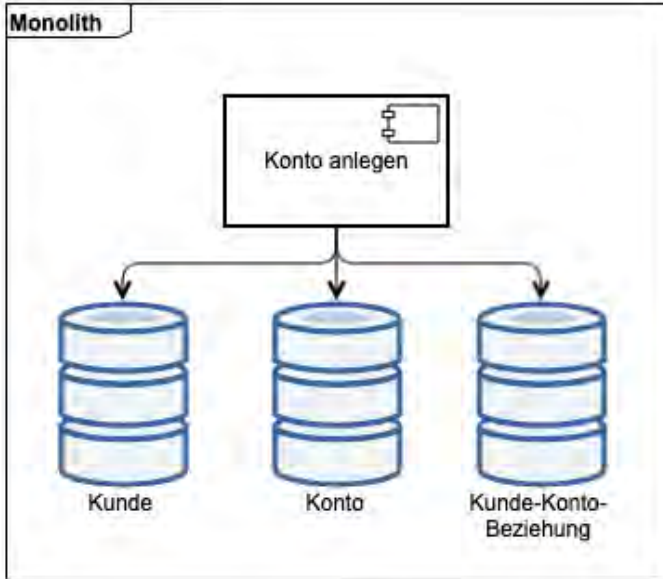


*Eine Überweisung ist
keine ACID-Transaktion!*

Saga Pattern | Application Transactions Using
Microservices – Part I

Denis Rosa, Developer Advocate, Couchbase on January 10, 2018

TRANSACTIONAL OUTBOX



REPLIKATION FÜR PERFORMANCE

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Vielen Dank



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