

Lean SOA

Abspecken senkt das Infarktrisiko

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Thomas Bayer

Trainer, Berater, Entwickler

Schwerpunkte
SOA, XML, Android



Infarkt?

Einige Indikatoren

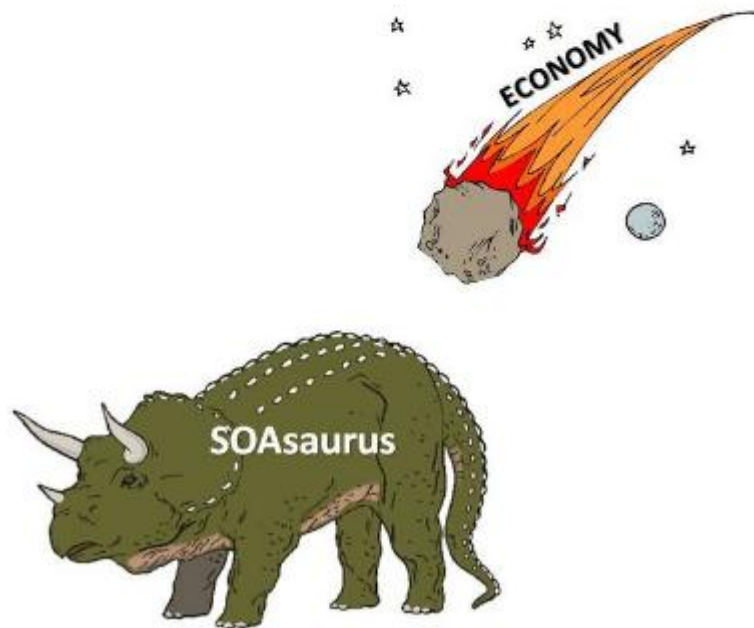
January 05, 2009

SOA is Dead; Long Live Services

Blogger: Anne Thomas Manes

Obituary: SOA

SOA met its demise on January 1, 2009, when it was wiped out by the catastrophic impact of the economic recession. SOA is survived by its offspring: mashups, BPM, SaaS, Cloud Computing, and all other architectural approaches that depend on "services".

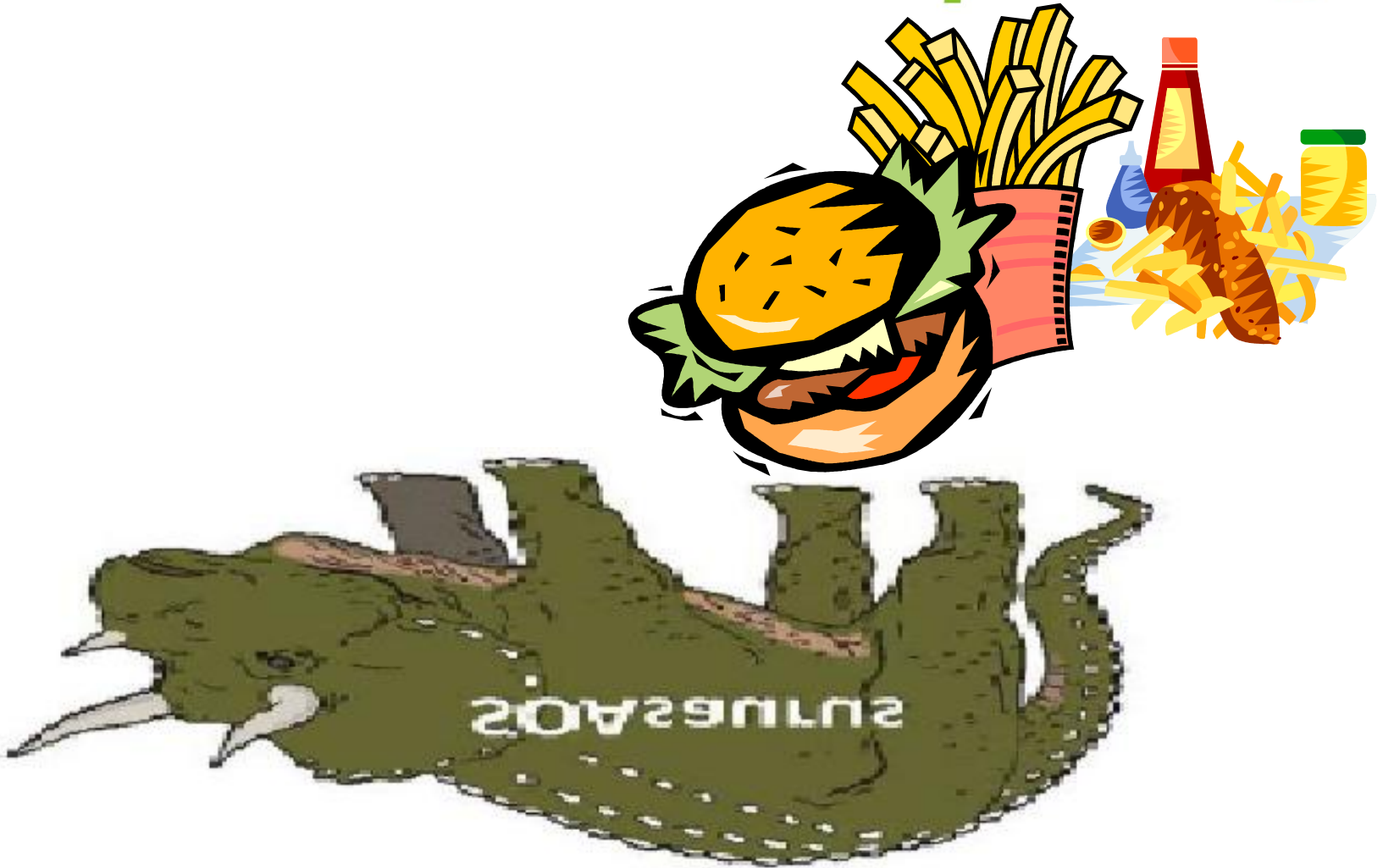


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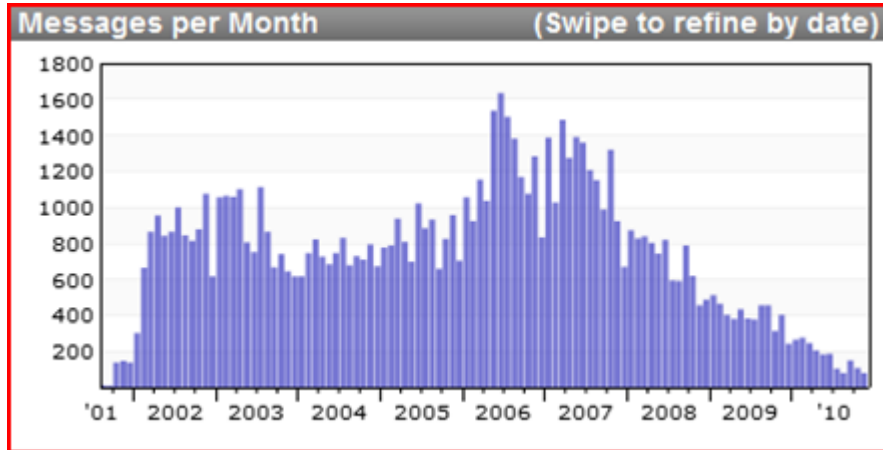
Quelle: <http://apsblog.burtongroup.com/2009/01/soa-is-dead-long-live-services.html>

War der Komet wirklich schuld?

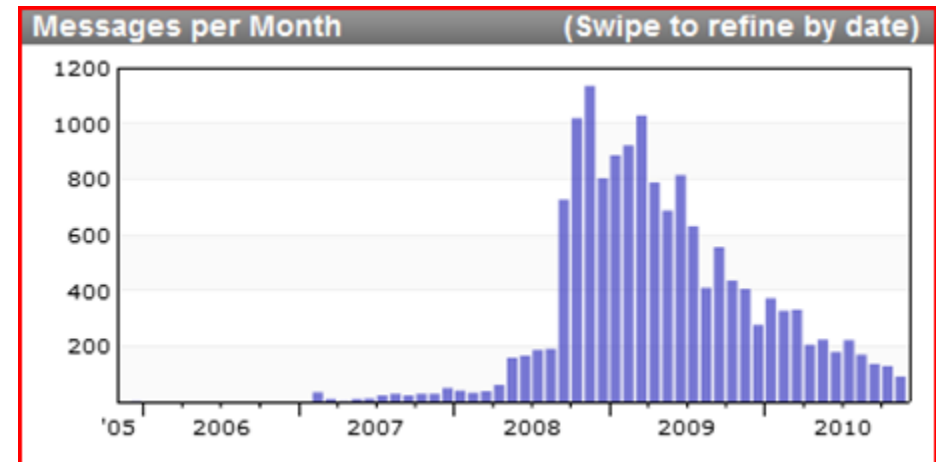
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org.apache.ws.axis-user



net.java.dev.open-esb.users





Quelle: Google Trends

Your Opinion:

Why do you hate WsdI?

Post

Opinions Hating WsdI from

Showing: Recent | [Featured](#)

 RT @rcarmo: WSDL sucks. Honestly, I can't wait for it to die off and be replaced by JSON everywhere.
16 Nov at 08:15 PM by [Joaoserra](#) on Twitter - 148 followers - [Flag](#)

 WSDL sucks. Honestly, I can't wait for it to die off and be replaced by JSON everywhere.
16 Nov at 01:36 PM by [Rcarmo](#) on Twitter - 314 followers - [Flag](#)

 why WSDL sucks: <http://bit.ly/ajsuLc>
12 Nov at 09:35 AM by [Dralzheimer](#) on Twitter - 91 followers - [Flag](#)

 I hate WSDL
04 Nov at 12:33 PM by [Johnsnolan](#) on Twitter - 70 followers - [Flag](#)

 RT @eamodeorubio: <http://wp.me/pQAdW-4o> Te lo dije...Servicios web (1): SOAP no, gracias #soap #wsdl #fail
20 Jul at 08:55 AM by [Jpenalta](#) on Twitter - 11 followers - [Flag](#)

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19 Jul at 01:22 PM by [lalcazar](#) on Twitter - 265 followers - [Flag](#)

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 <http://wp.me/pQAdW-4o> Te lo dije...Servicios web (1): SOAP no, gracias #soap #wsdl #fail
19 Jul at 09:01 AM by [Eamodeorubio](#) on Twitter - 136 followers - [Flag](#)

100% Hate WsdI

Currently Not Categorized:

 [Add new category](#)

18 Negative Opinions out of 18

 Gefällt mir

 Registrieren, um sehen zu können
was deinen Freunden gefällt

Free 360 assessment

The easiest 360 around. 100% free!
Self-managed. Get started in 2 min.
atlas360.net

Ads by Go

Supporters

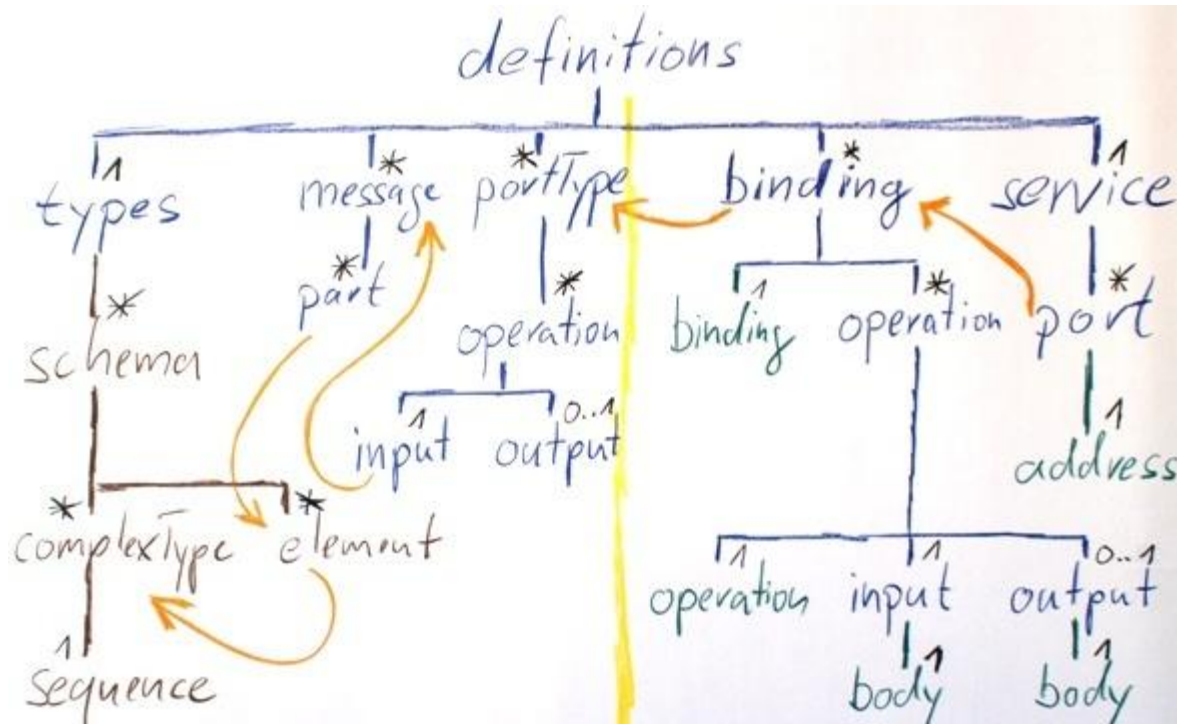
 [Joaoserra](#)

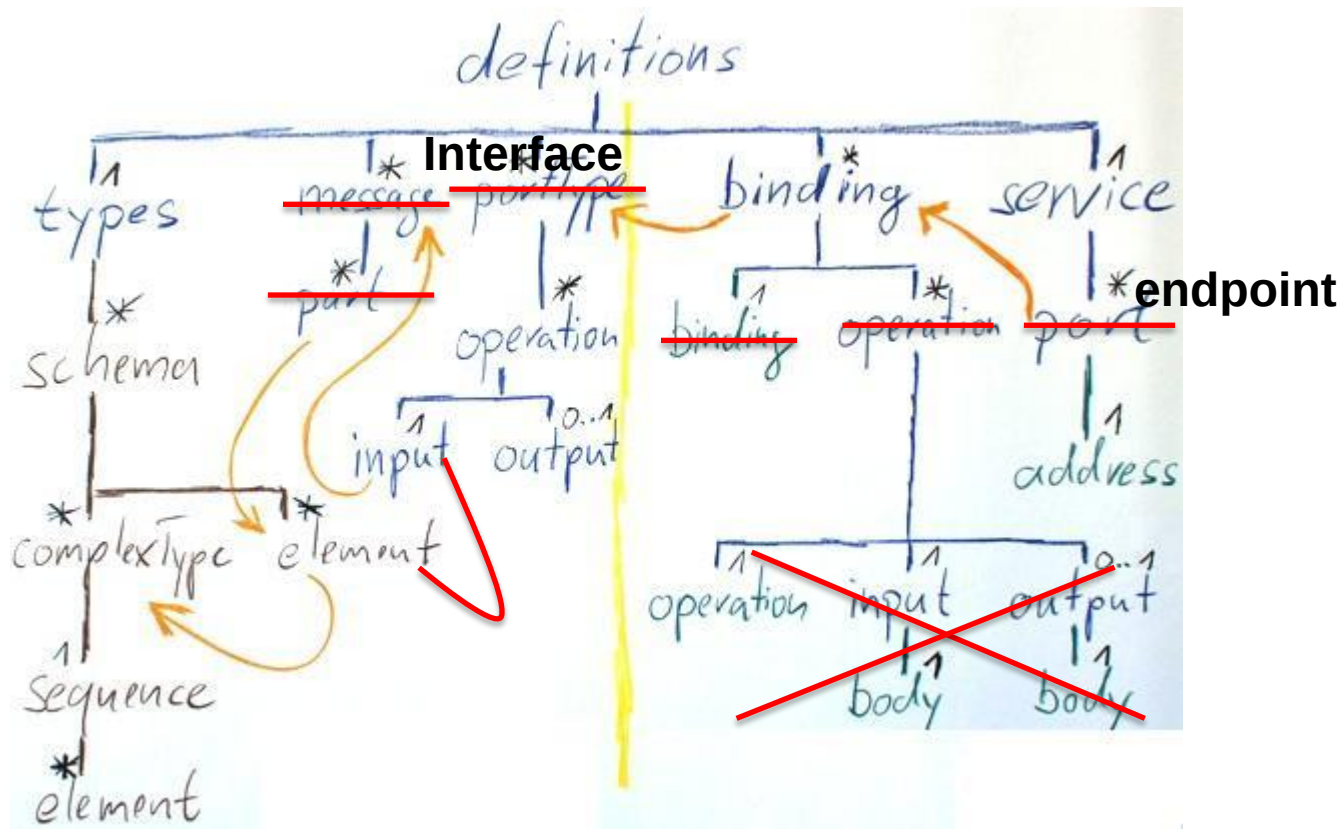
 [Rcarmo](#)

 [Dralzheimer](#)

[See more](#)

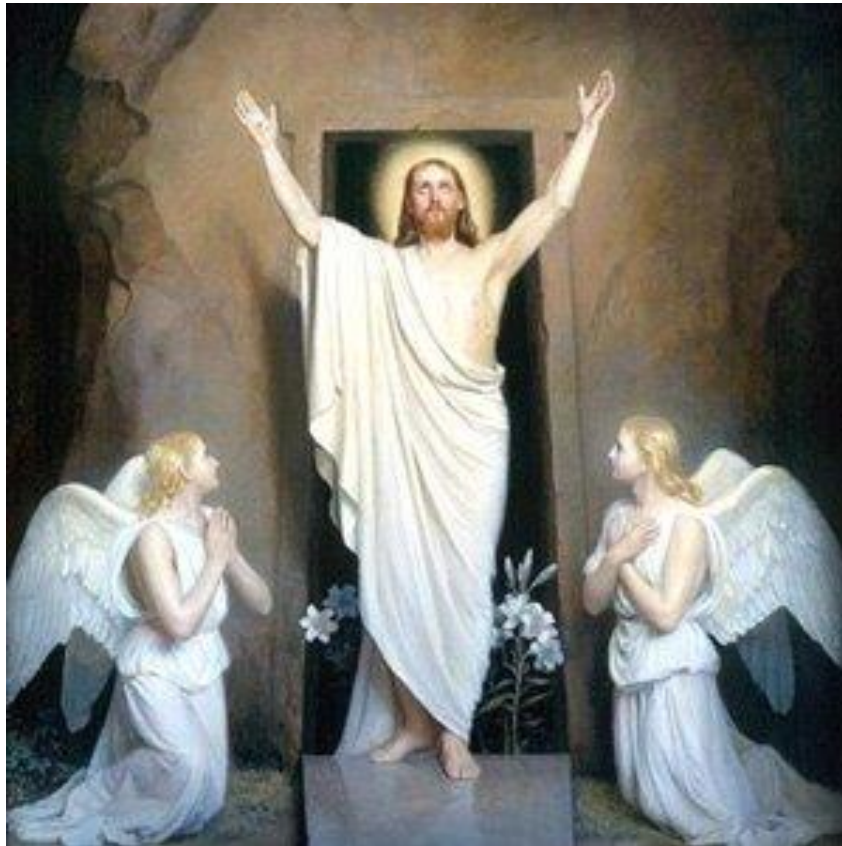
Quelle: <http://amplicate.com>





Ist SOA wirklich tot?





Risikofaktoren



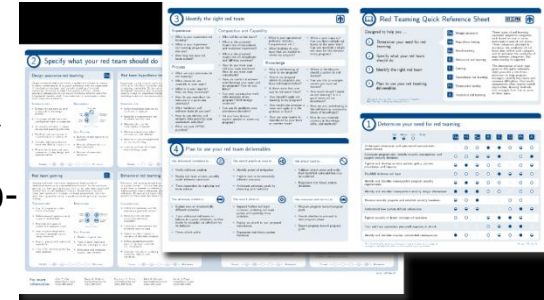
Nichtbeachtung von Konzepten und Philosophien

- Geschäftswert über technische Strategie
- Strategische Ziele über projektspezifischen Nutzen
- Immanente Interoperabilität über maßgeschneiderte Integration
- Gemeinsam verwendete Services über zweckgebundene Implementierungen
- Flexibilität über Optimierung
- Evolutionäre Vervollkommnung über Streben nach anfänglicher Perfektion

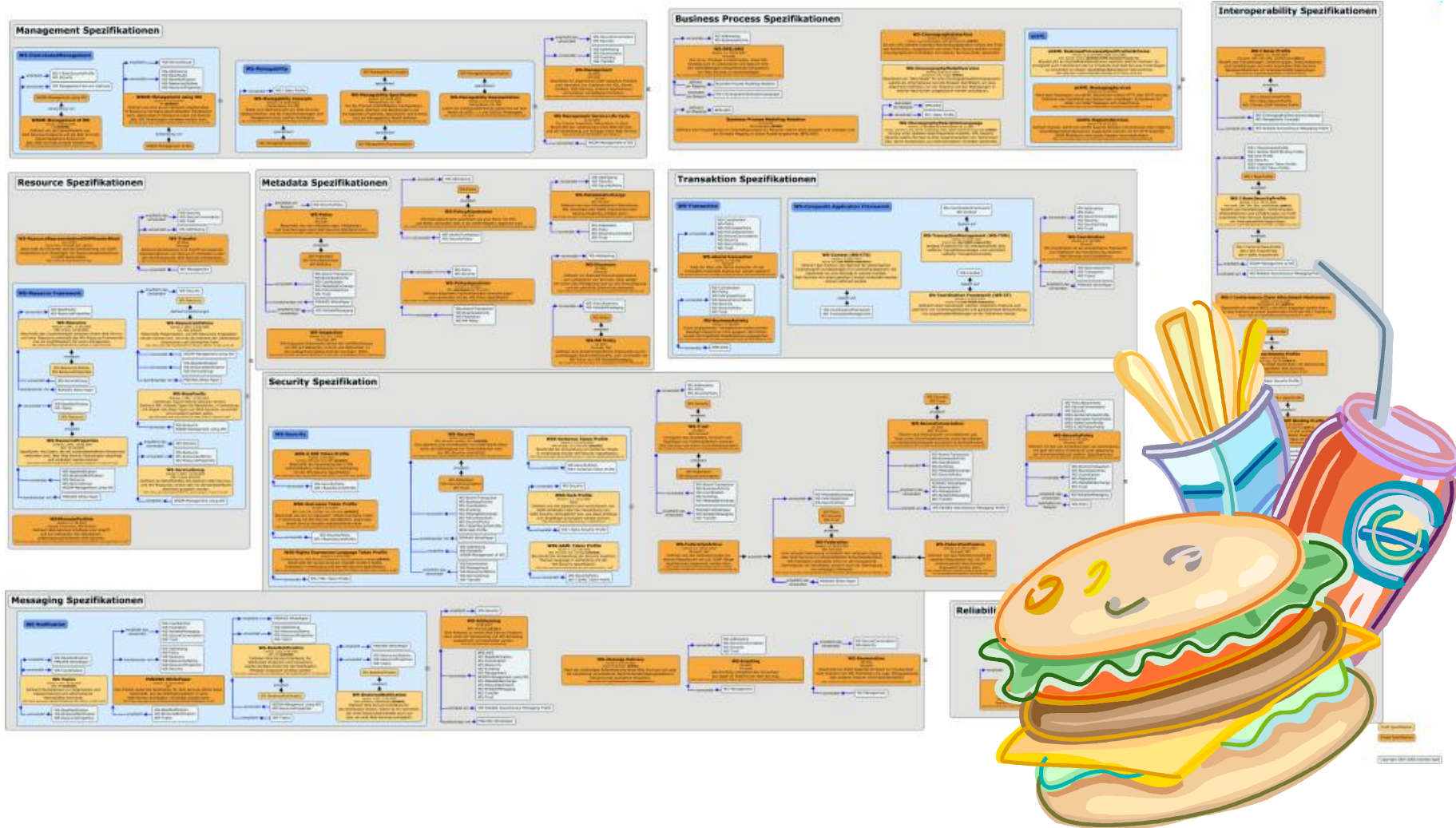
Quelle: <http://soa-manifest.de/>

Architektur-Verfettung

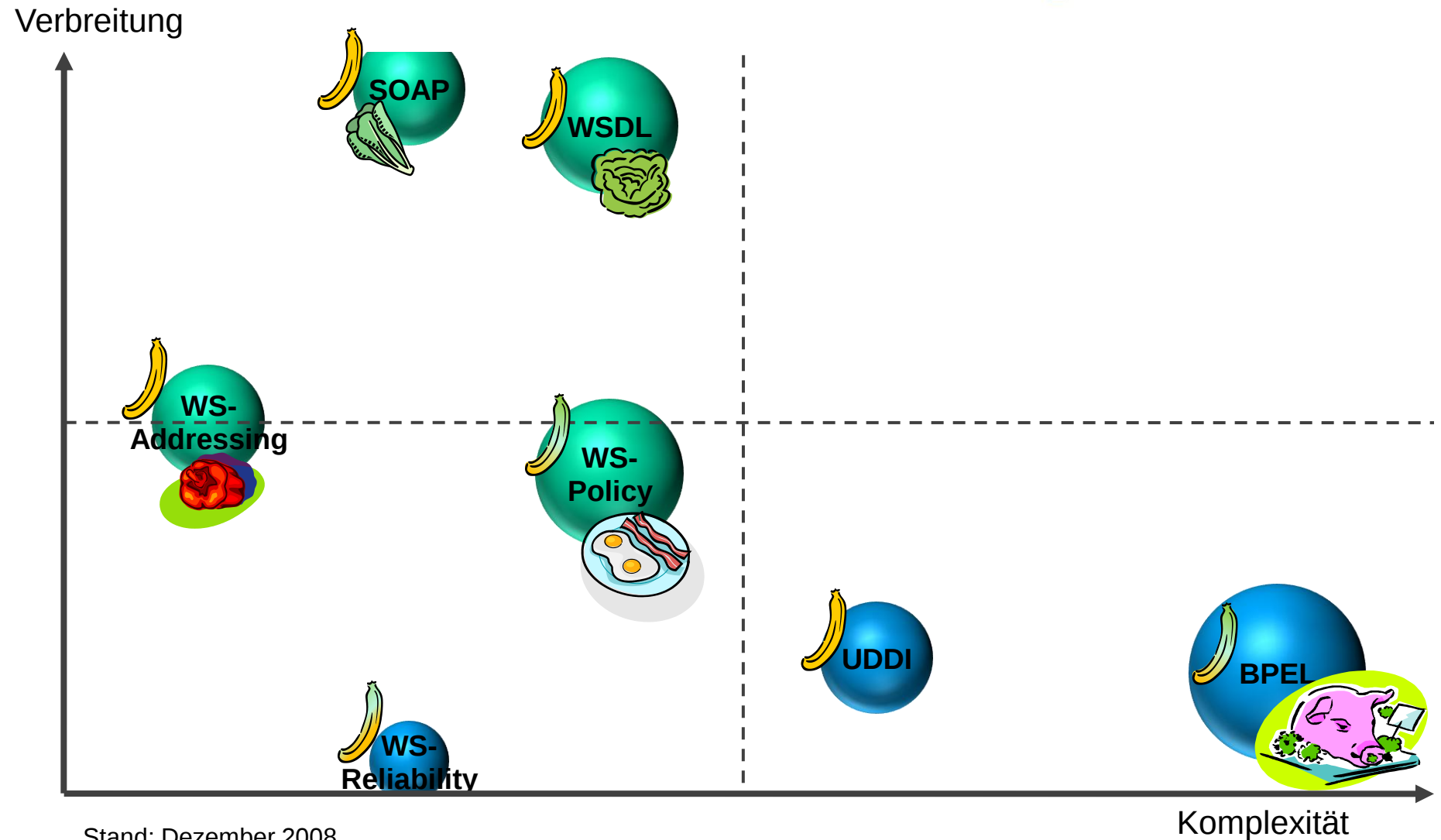
- UML
- HTML5: New Standards for Web Interactivity
 - ▶ <http://refcardz.dzone.com/refcardz/html5-new-standards-web-interactivity?oid=ban00015-15>
- Objective-C for the iPhone and iPad
 - ▶ <http://refcardz.dzone.com/refcardz/objective-c-iphone-and-ipad>
- Getting Started with Java EE Security
 - ▶ <http://refcardz.dzone.com/refcardz/getting-started-java-ee>
- Getting Started with Maven Repository Management
 - ▶ <http://refcardz.dzone.com/refcardz/getting-started-repository>
- Getting Started with JBoss Enterprise Application Platform 5
 - ▶ <http://refcardz.dzone.com/refcardz/getting-started-jboss>
- Getting Started with Java GUI Development
 - ▶ <http://refcardz.dzone.com/refcardz/getting-started-java-gui>



Die WS*-Spezifikationen

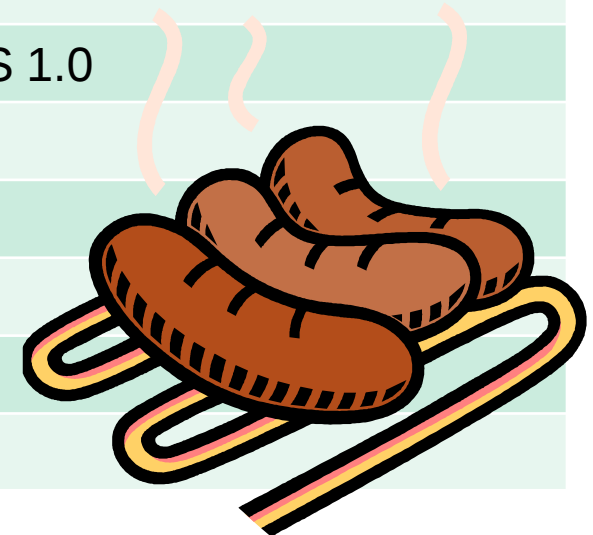


Web Services Standard Portfolio

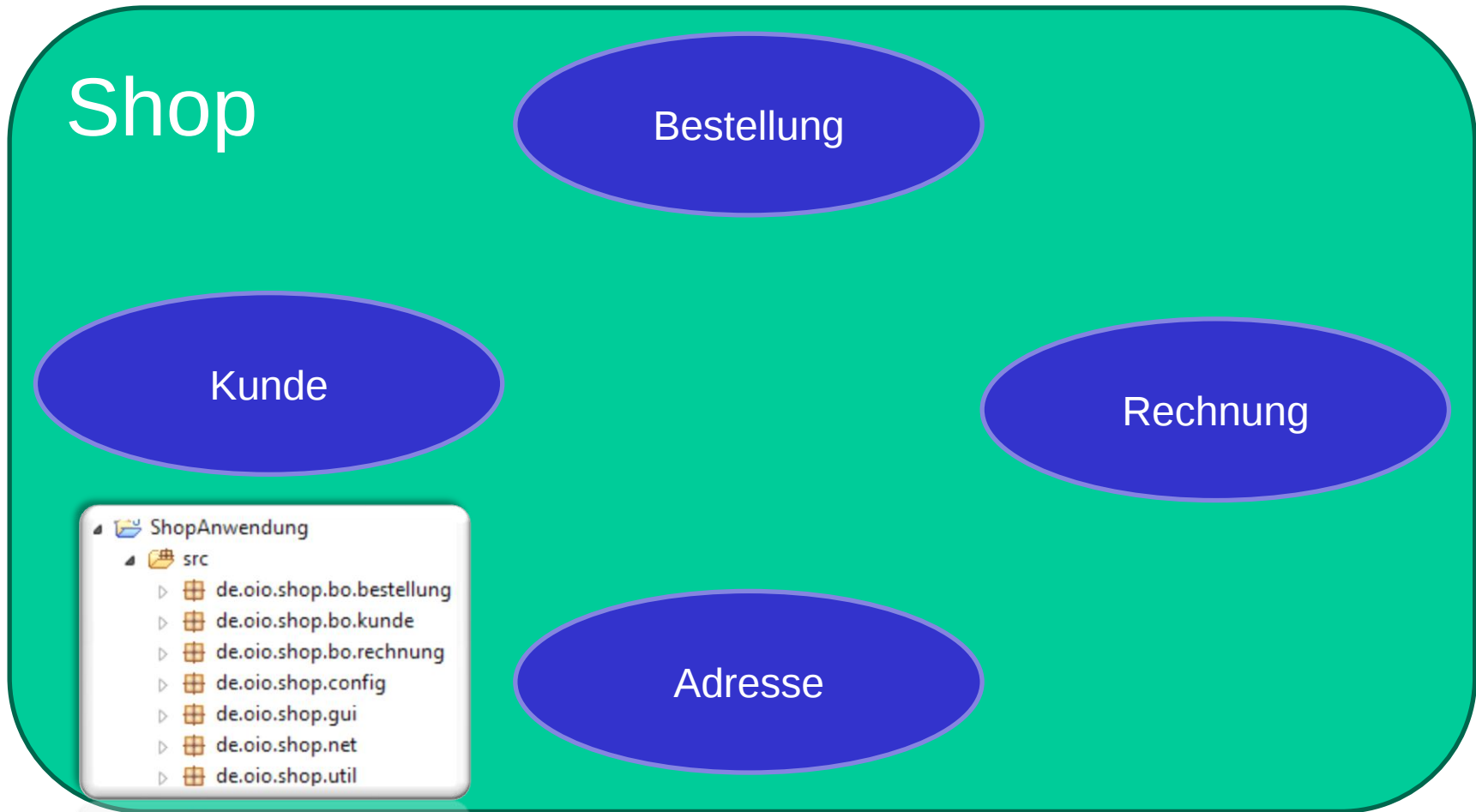


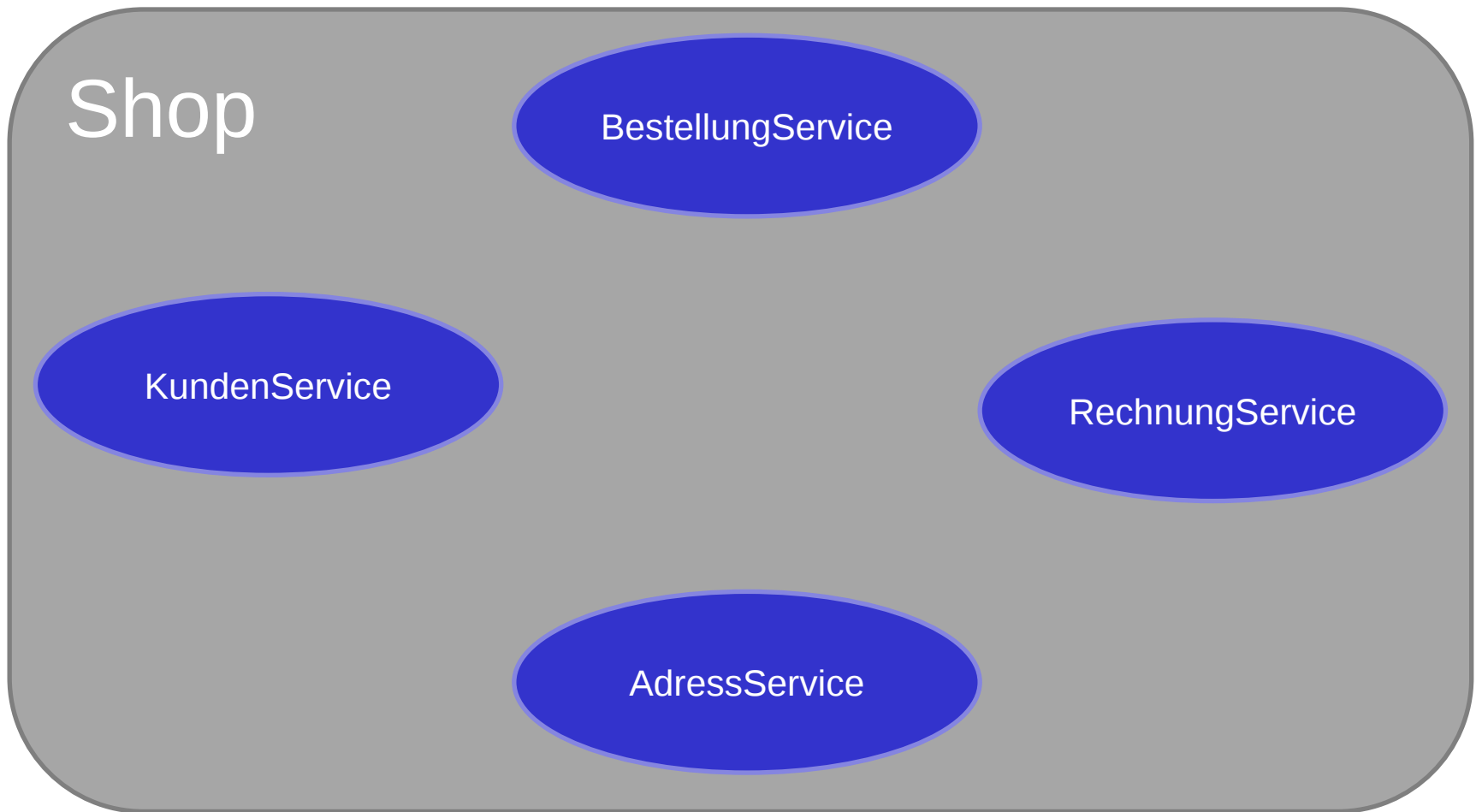
Stand: Dezember 2008

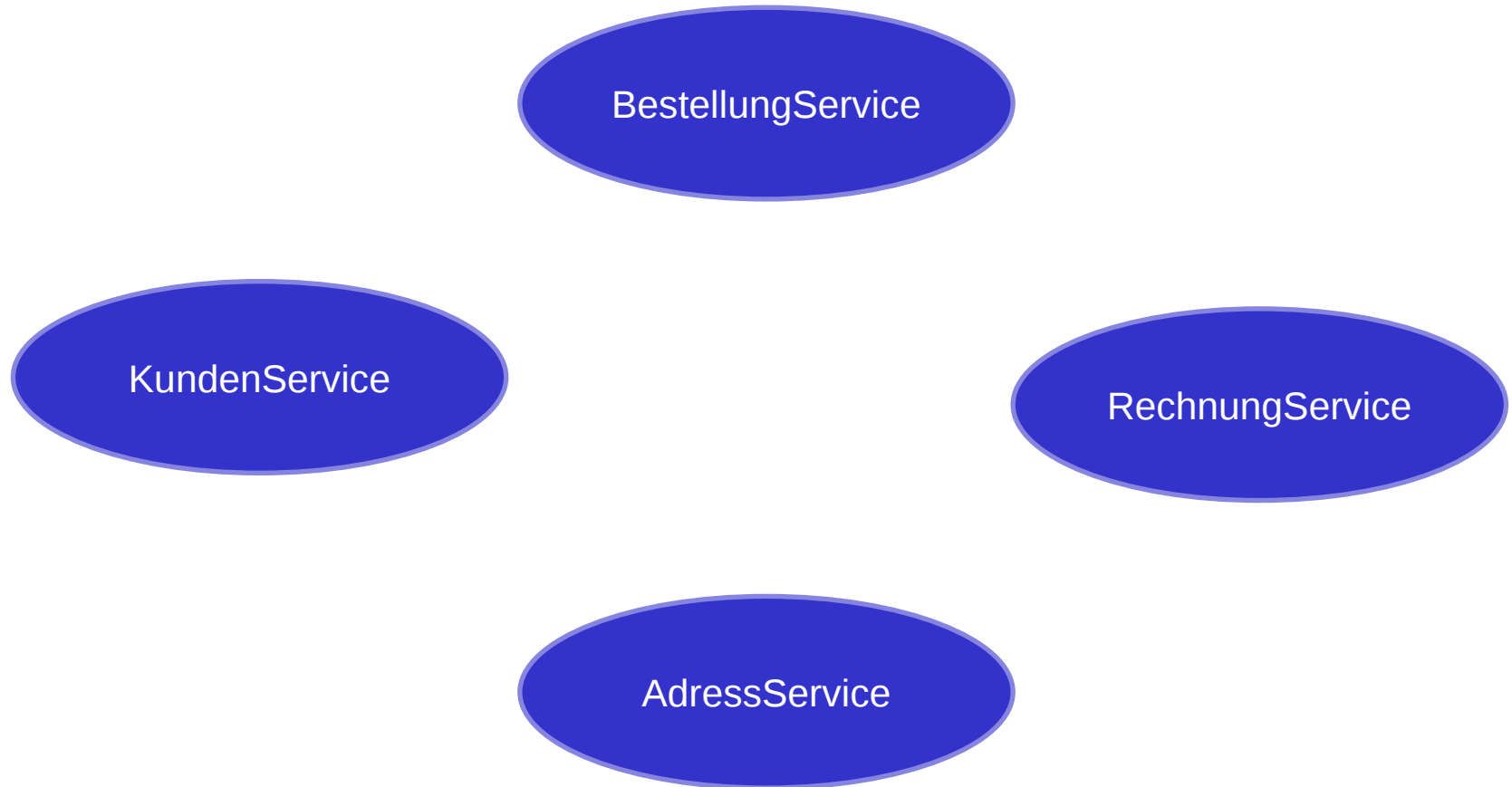
Profile	Status	Standards
Basic 1.0	Final	SOAP
Basic 1.1	Final	SOAP 1.1, WSDL 1.1
Basic 1.2	Draft	
Basic 2.0	Draft	
Attachments 1.0	Final	
Simple SOAP Binding 1.0	Final	
Basic Security 1.0	Final	WSS 1.0
Basic Security 1.1	Draft	
Reliable Secure 1.0	Draft	
Kerberos Token Profile 1.0	Draft	
REL Token Profile 1.0	Draft	
SAML Token 1.0	Draft	



Stand: Dezember 2008







Ein Projekt pro Service

BestellungService Projekt

BestellungService

KundenService Projekt

KundenService

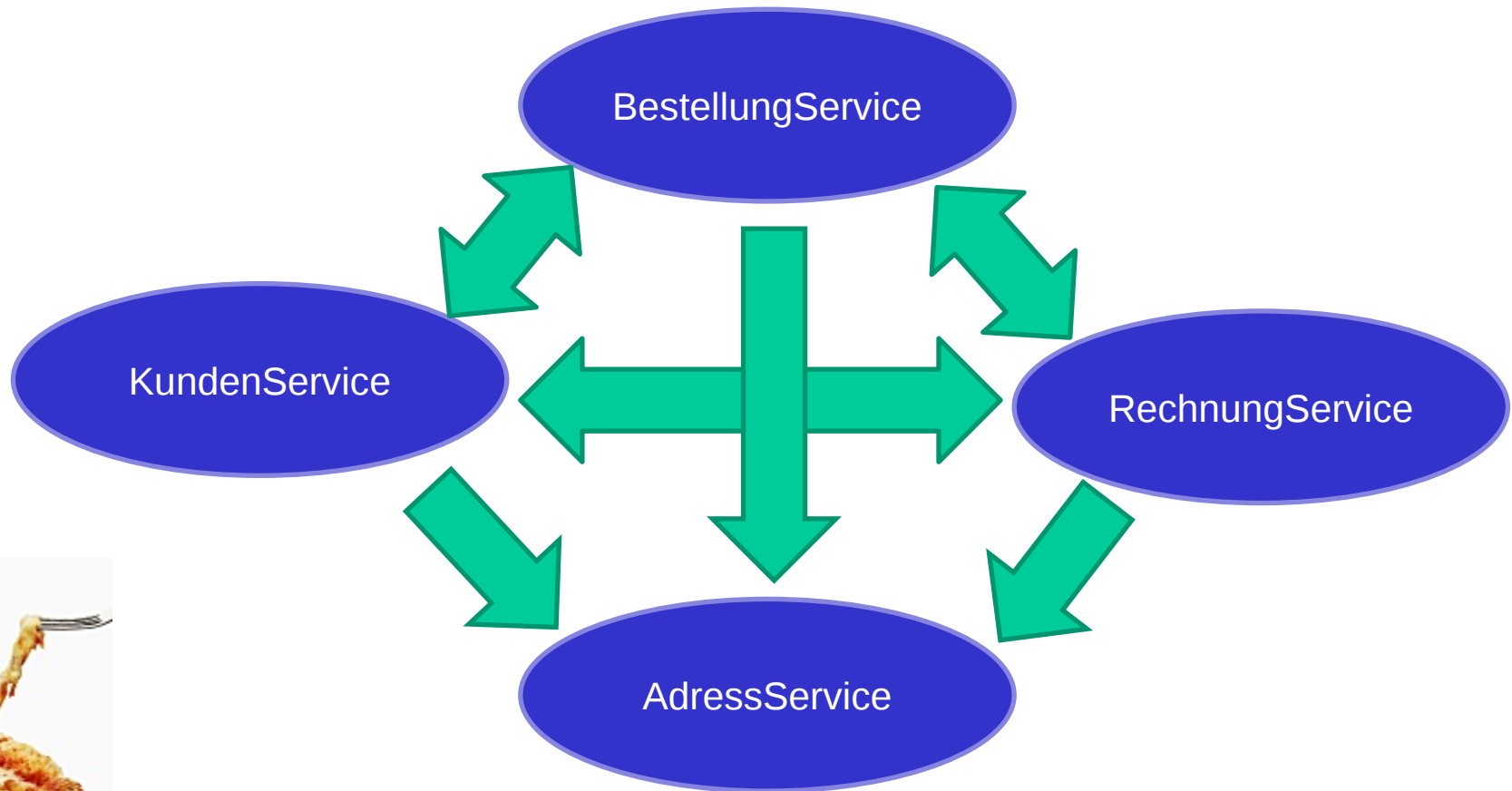
RechnungService Projekt

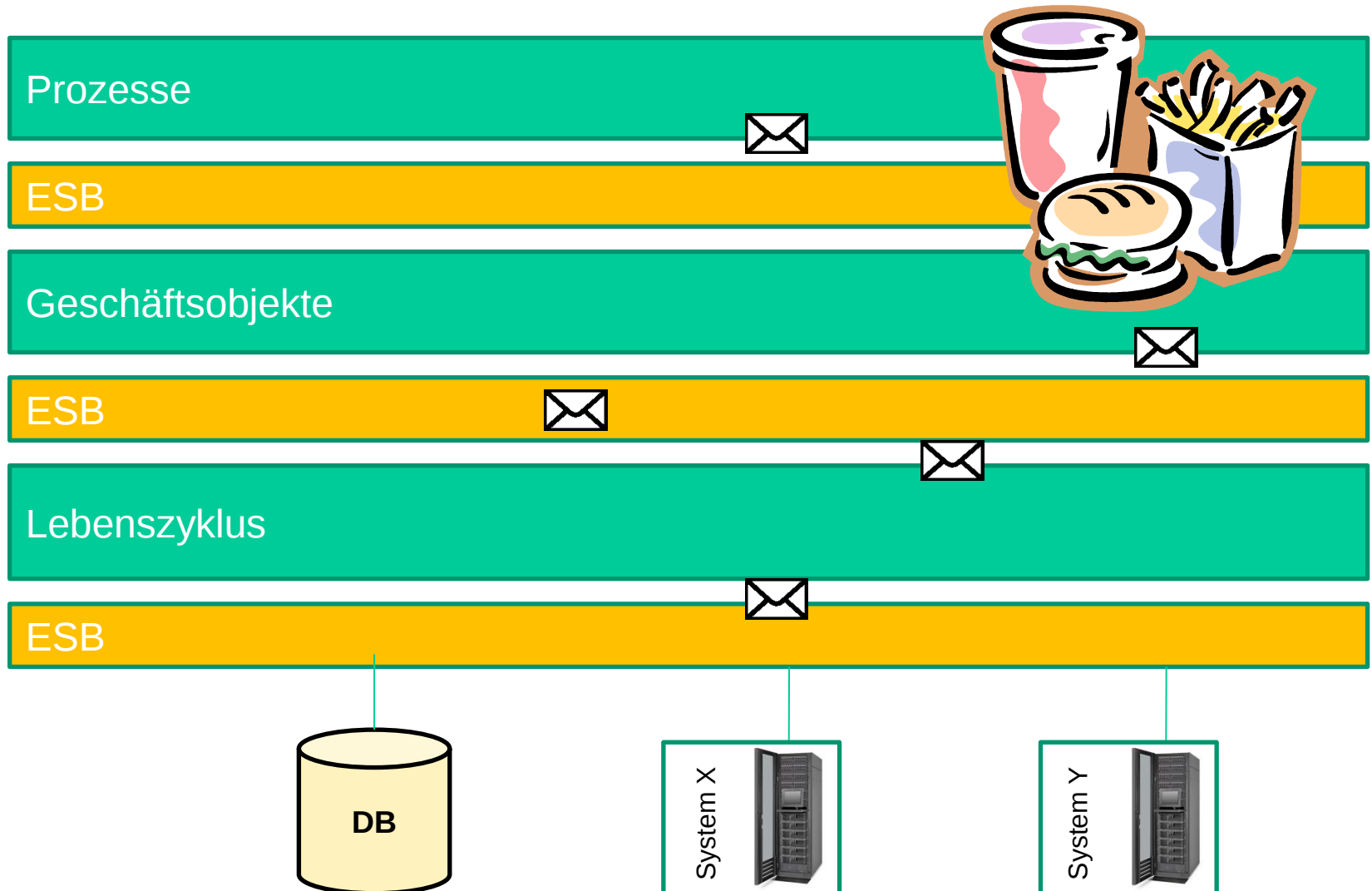
RechnungService

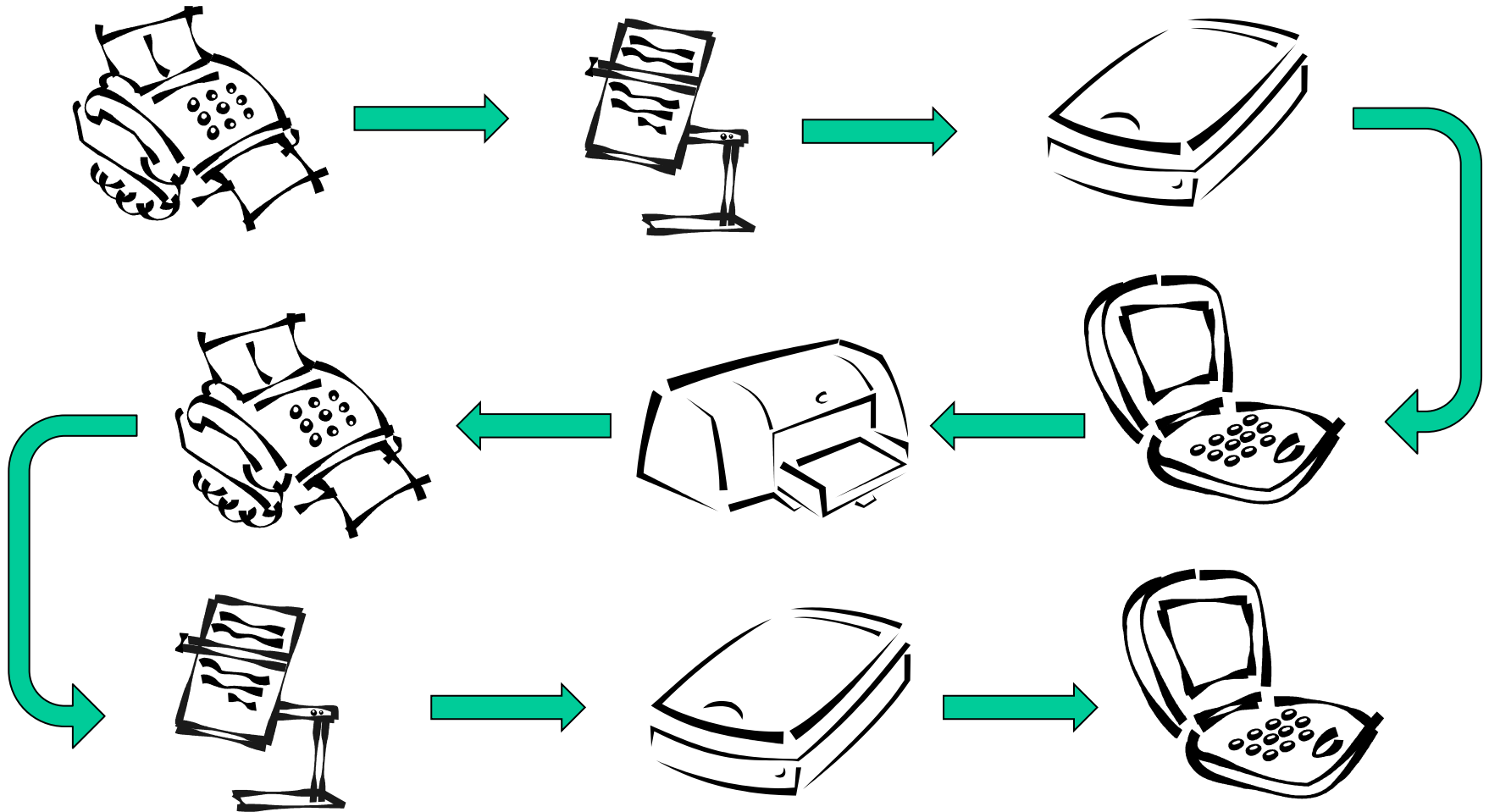
AdressService Projekt

AdressService

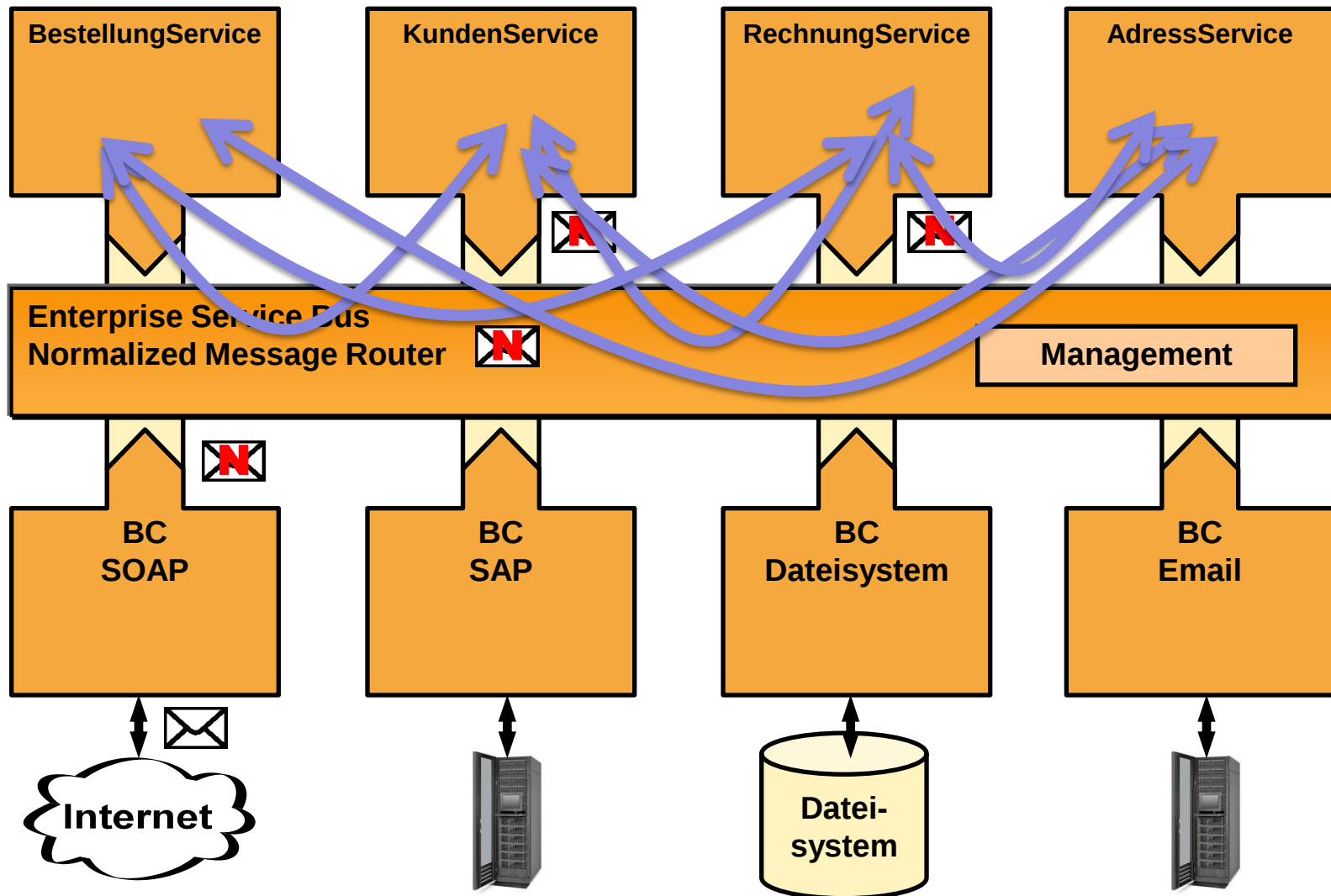
- ▶  AdresseService
- ▶  BestellungService
- ▶  KundenService
- ▶  RechnungService



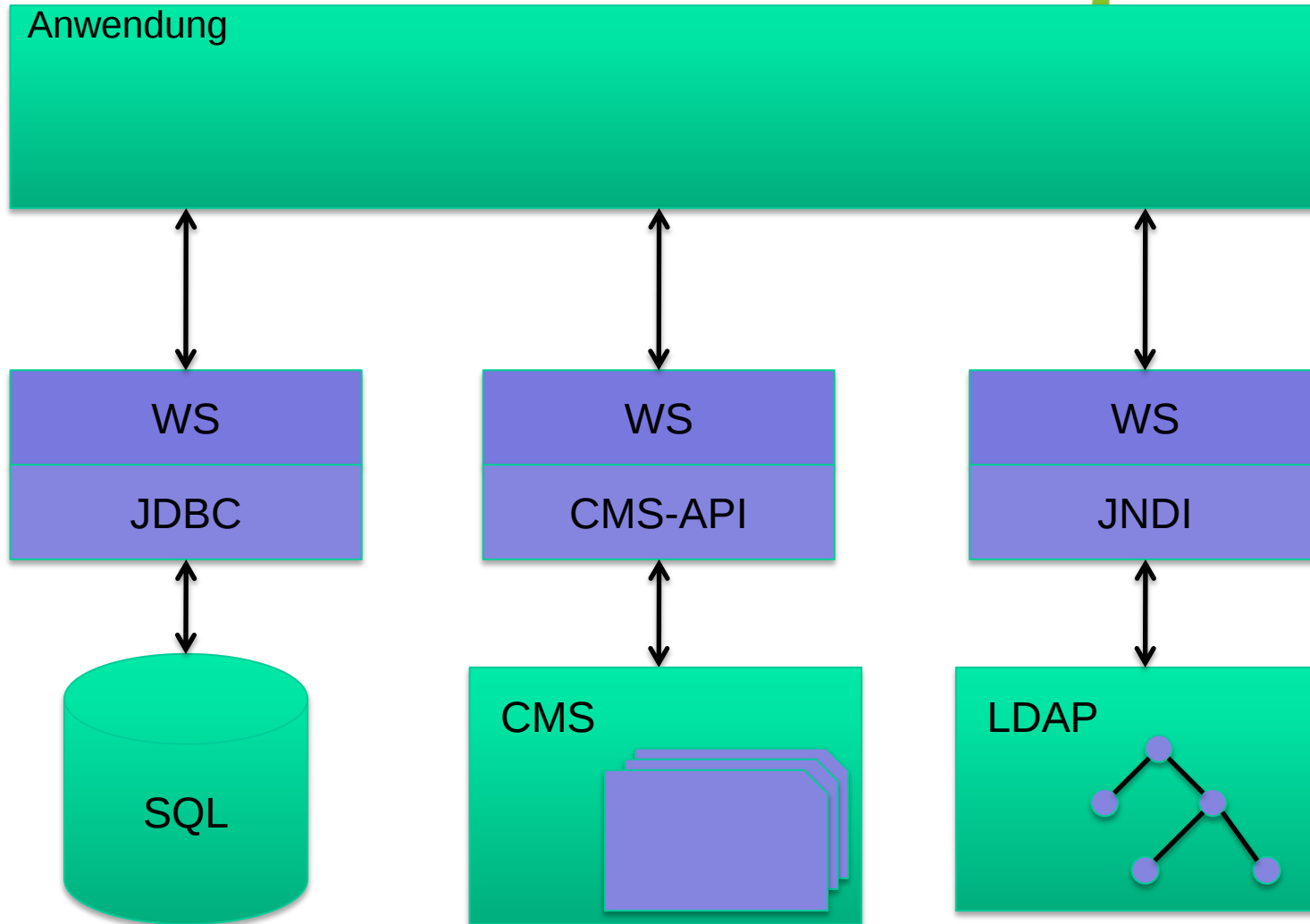


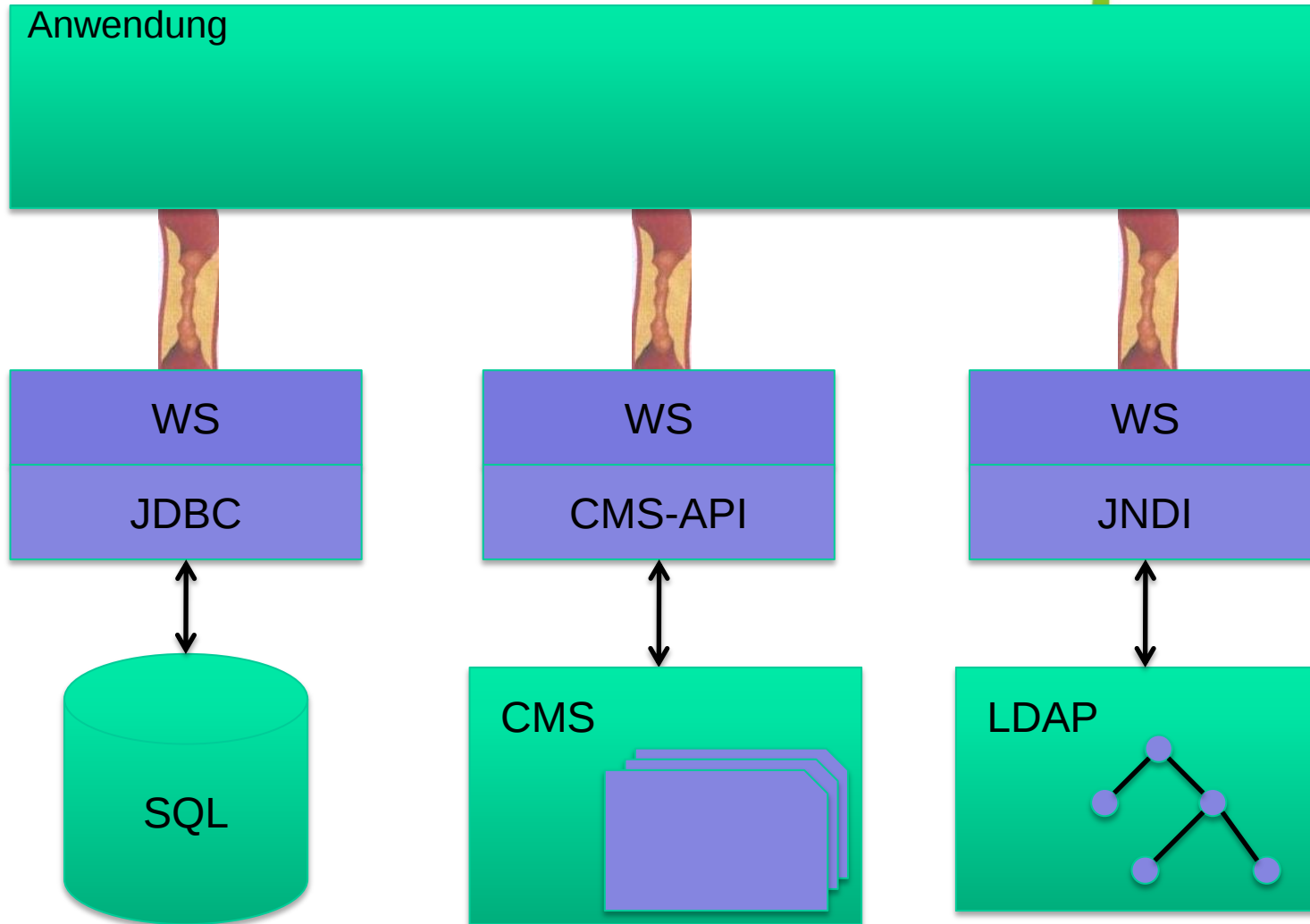


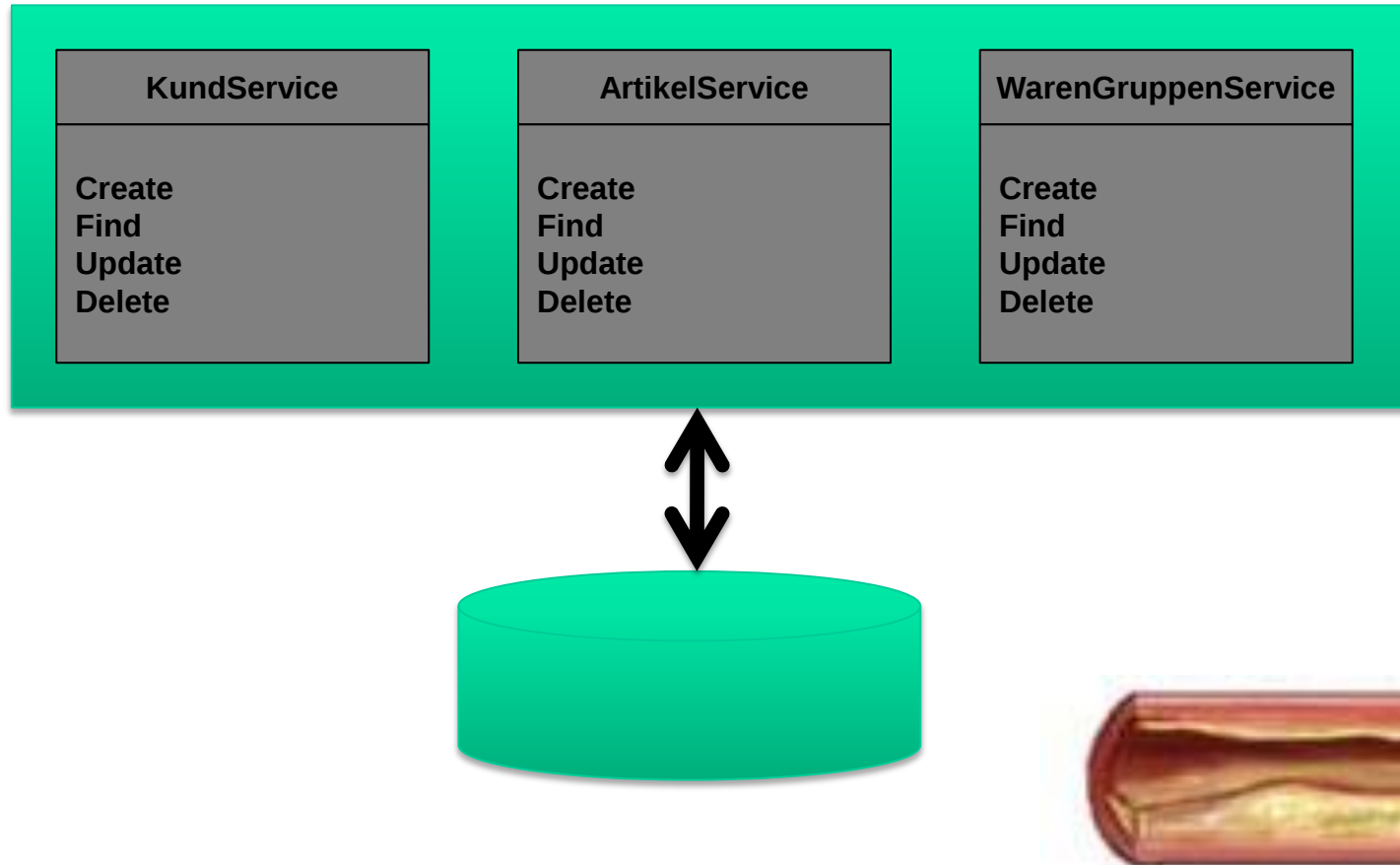
Enterprise Service Bus (ESB)



Alles ist ein Service ...







Übergewichtige Prozesse und Vorgehensweisen



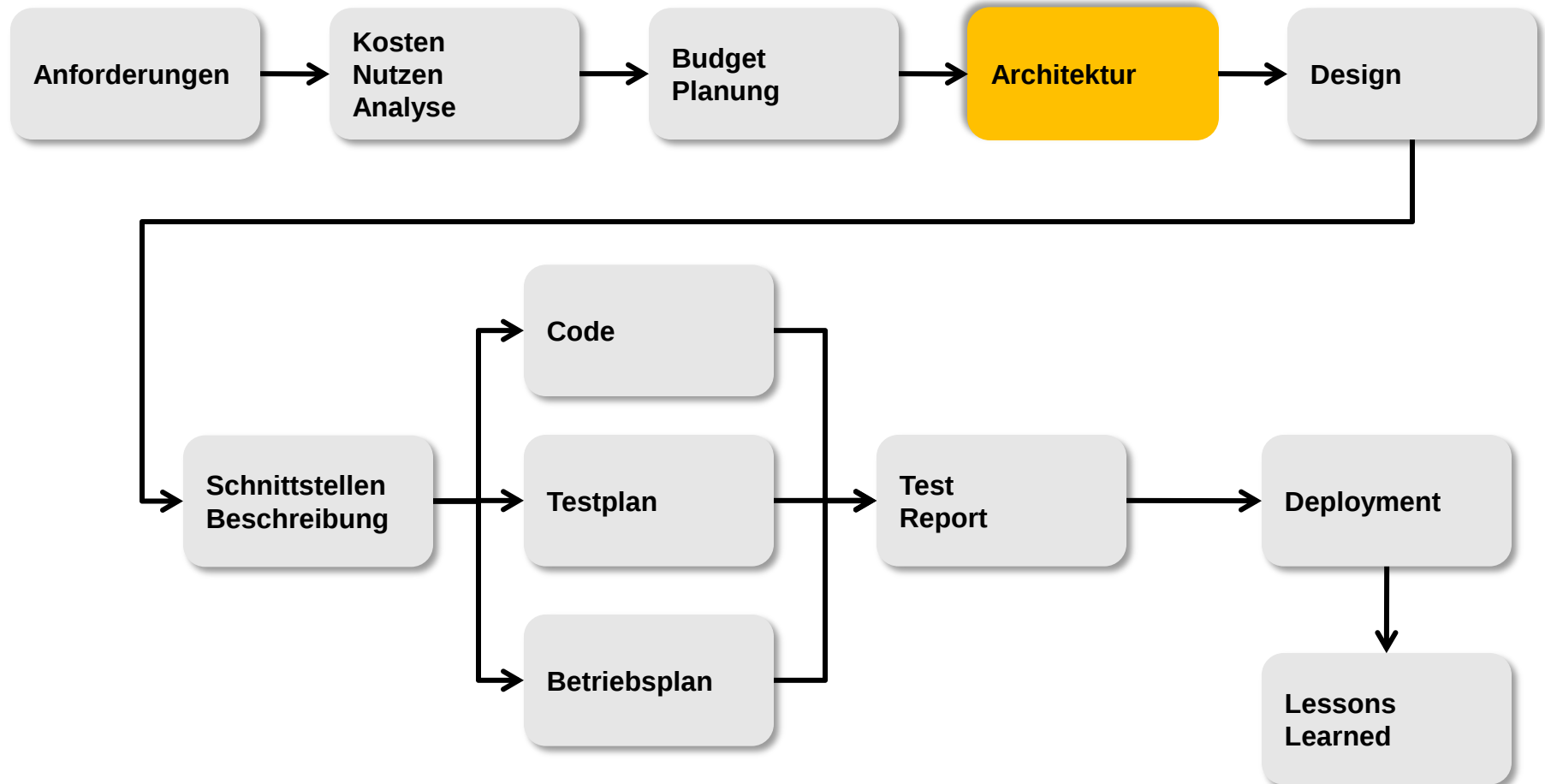
- SOA Sponsor
- Consumer/Nachfrage
- Service Designer
- Tester
- Architekt
- Operating
- Owner
- Service Developer
- Service Assembler
 - Business Analyst
- System Integrator
- Service Registrator
- Prozess Verantwortlicher



- Vision
- Anforderungen
- Randbedingungen
- Business Plan
- Aufwandsschätzung
- Service Blueprint
- Service Richtlinien
- Prozess Handbuch
- Vendor Assessment
- SLA
- Change Request
- Glossar
- Service Architektur
- Testplan
- Betriebsrichtlinien
- Organigramm
- Monitoring Plan
- Unternehmensweites Datenmodell
- Prozess Richtlinien
- Modellierungsrichtlinien
- Petstore
- Budgetplan
- Weiterbildungsplan
- Reports: Conformance, Performance, Tests

Prozessmodell: Stand Shop Anwendung

Prozess Shop Anwendung

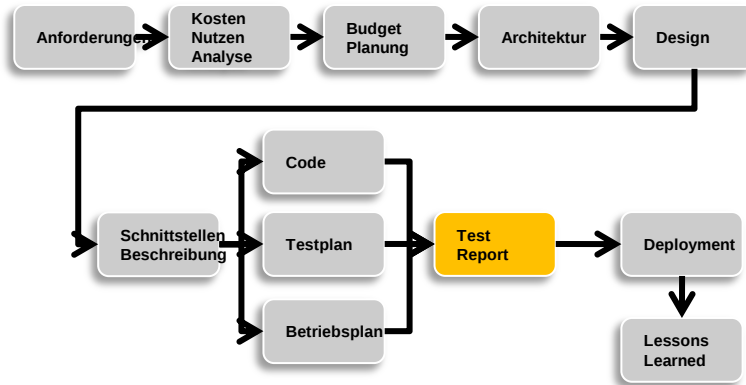


Prozessmodell: Stand der Services

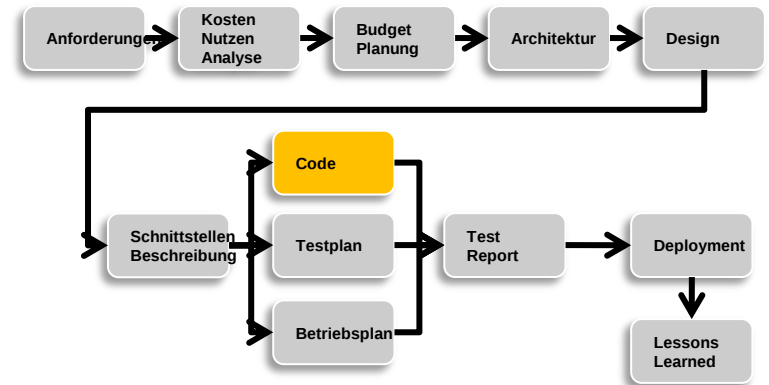
Prozess Shop Services



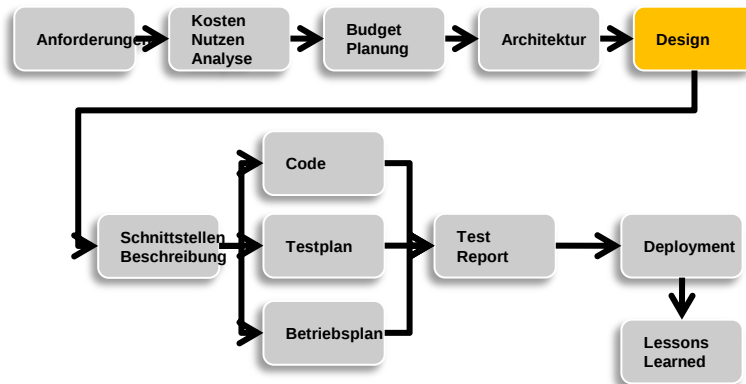
BestellungService



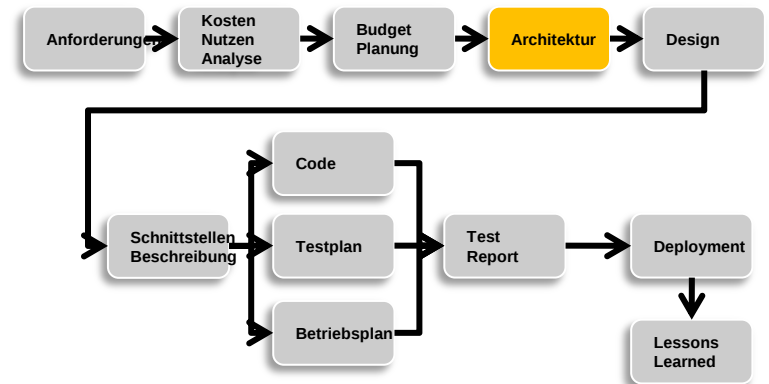
KundenService



AdressService



RechnungService

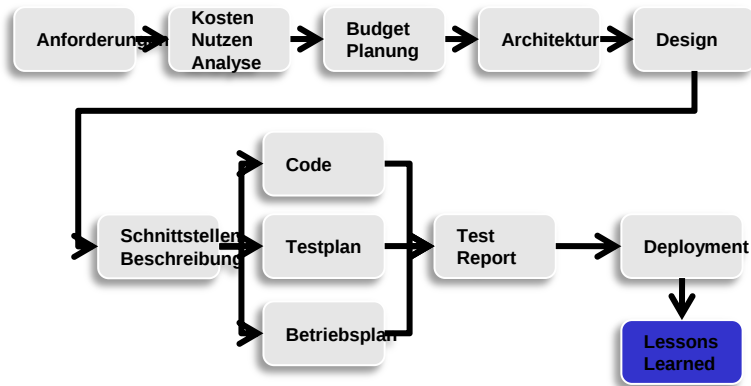


Prozessmodell: Stand der Versionen

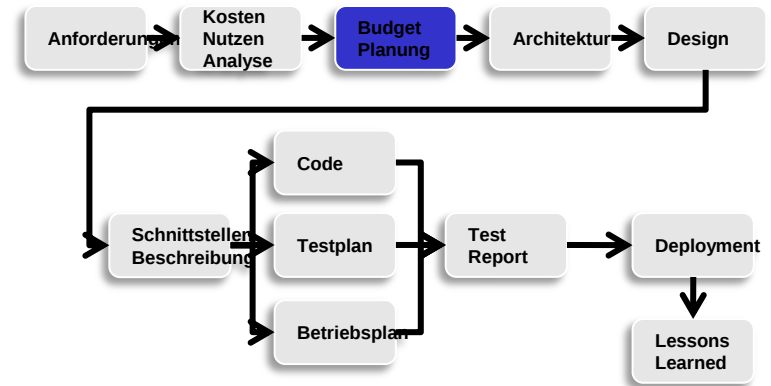
Prozesse KundenService



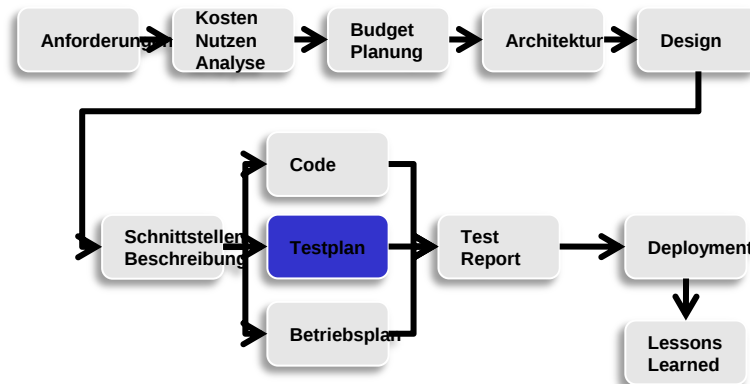
Version 1.0



Version 1.1



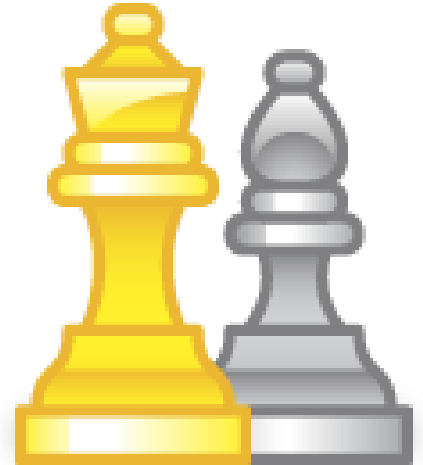
Version 1.2



Service als Vermögen (Assett)

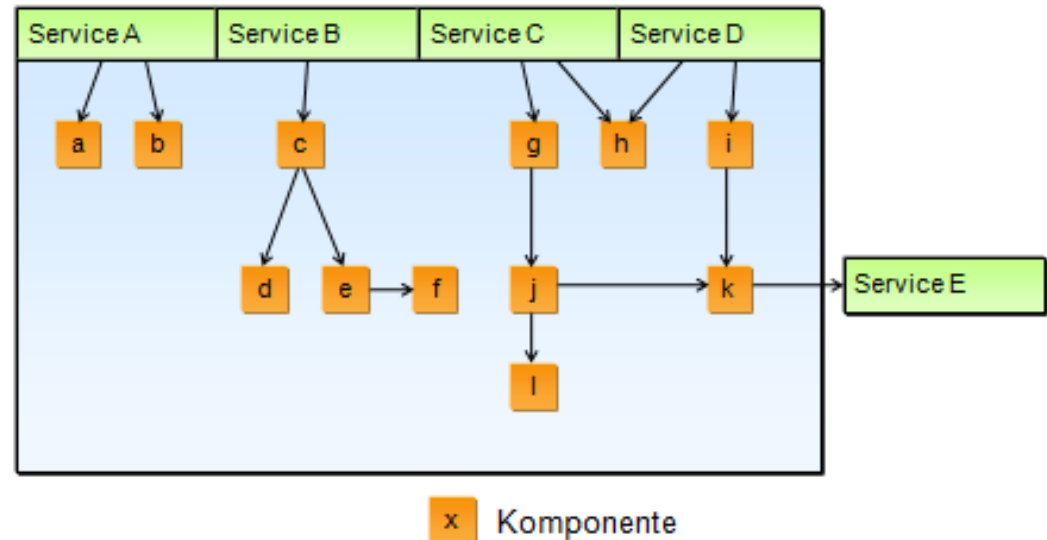
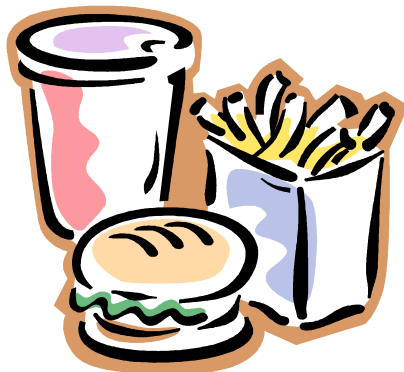


- In Services fließen Investitionen
- Investitionen sollen sich auszahlen
- Überwachung
- Steuerliche Aspekte



❑ Dienste als Vermögen ausweisen

➔ ☒ Service Bewertung



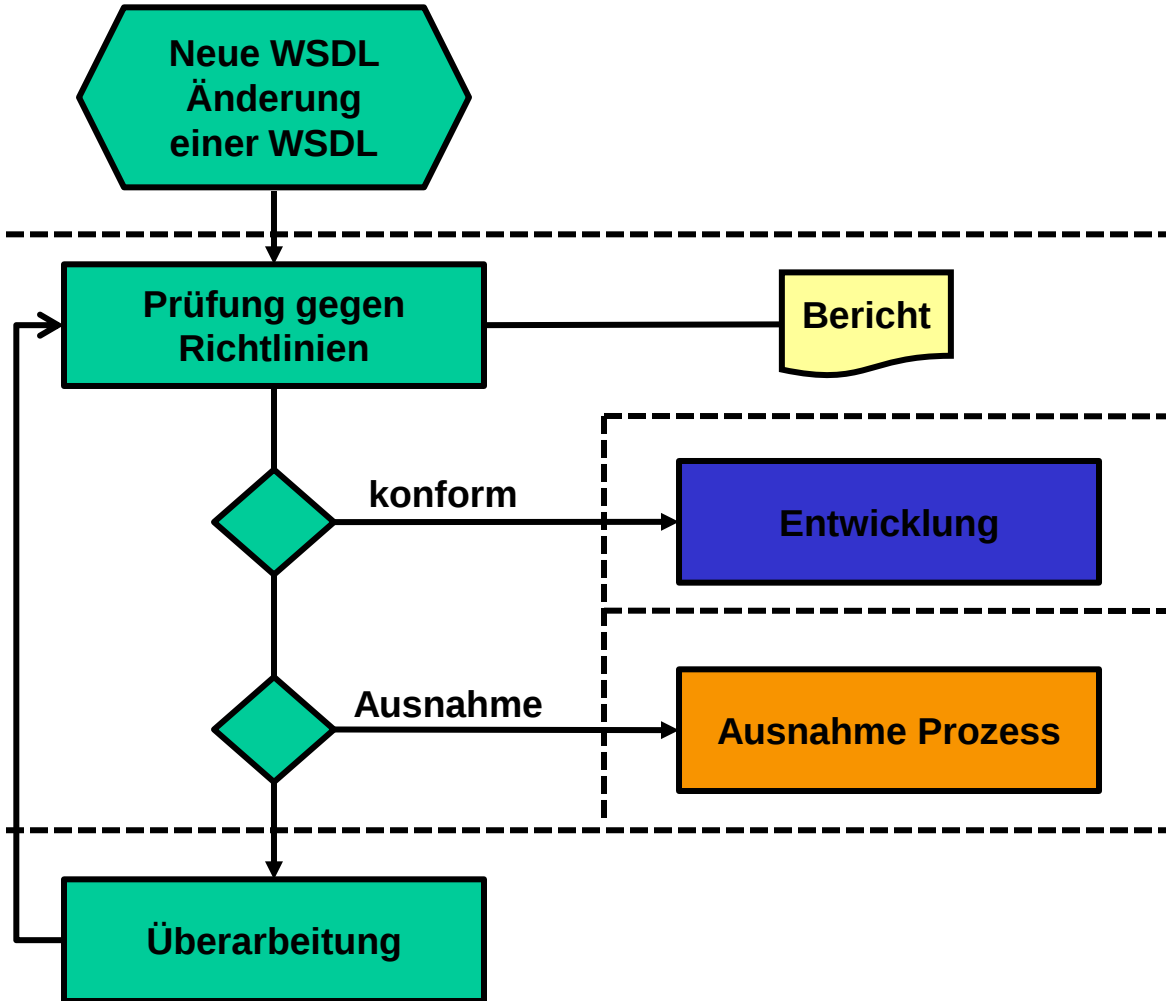
Übermäßiger Konsum von Ausnahmen

Service
Designer

CoE

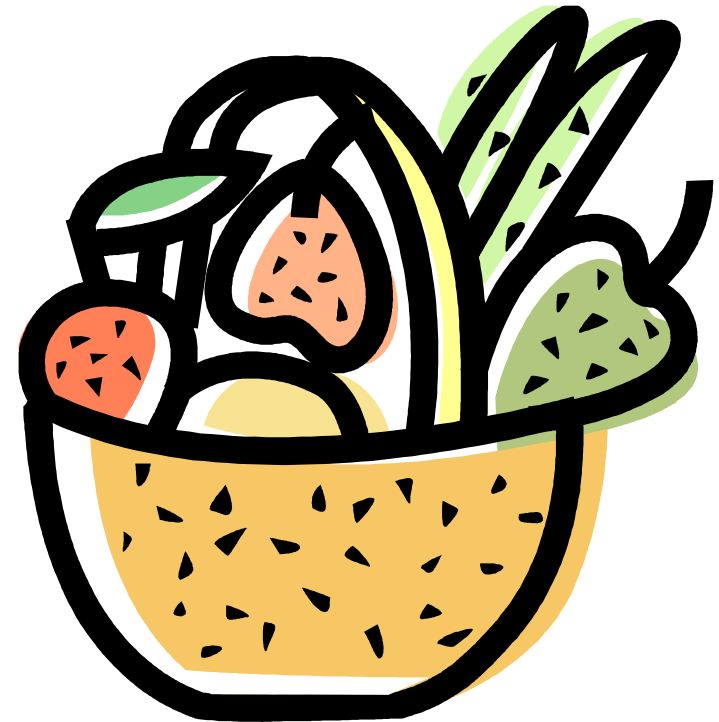


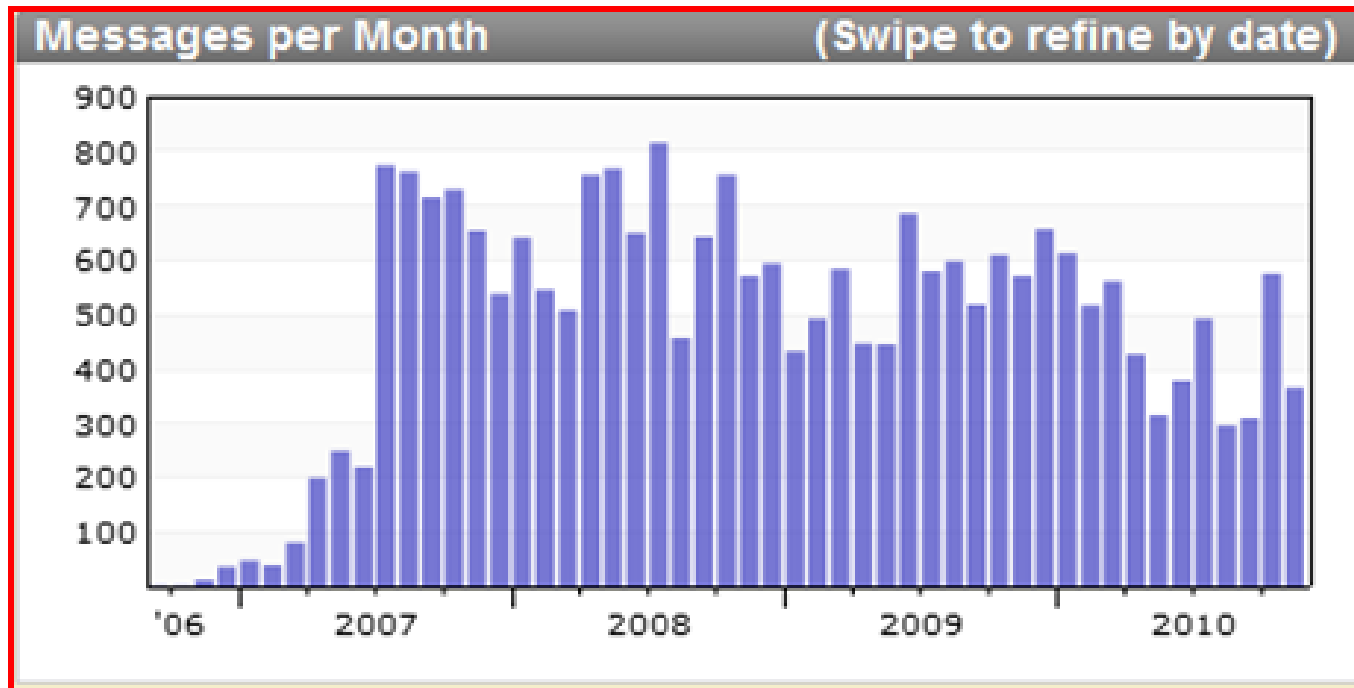
Service
Designer



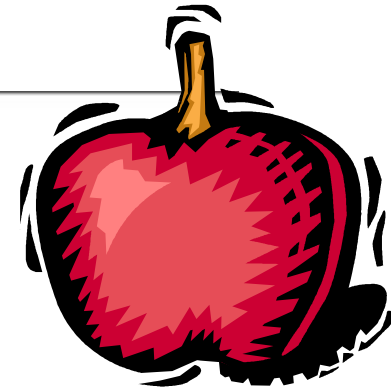
Prävention

```
import javax.xml.ws.WebService;  
import javax.xml.ws.WebMethod;  
  
@WebService  
public class HelloWorldService {  
  
    public String helloWorld() {  
        return "Hello World!";  
    }  
}
```





```
1 #IFL - Integration Flow Language
2 ftp "receive-manifest"
3 jruby "verify-address"
4 database "create-delivery"
5 smtp "email-operations"
6
7 route do
8   from "receive-manifest"
9   split xpath ("//Manifest/Container")
10  to "verify-address"
11  broadcast do
12    route do
13      filter xpath ("count(//ShipTo/euid) > 0")
14      to "create-delivery"
15    end
16    route do
17      filter xpath ("count(//ShipTo/euid) = 0")
18      aggregate set ("wait=60m,header=<alarm>,trailer=</alarm>")
19      to "email-operations"
20    end
21  end
22 end
```



Quelle: <http://wiki.open-esb.java.net/attach/FujiScreenCastsDemos/Fuji-overview-0629.pdf>

Therapie

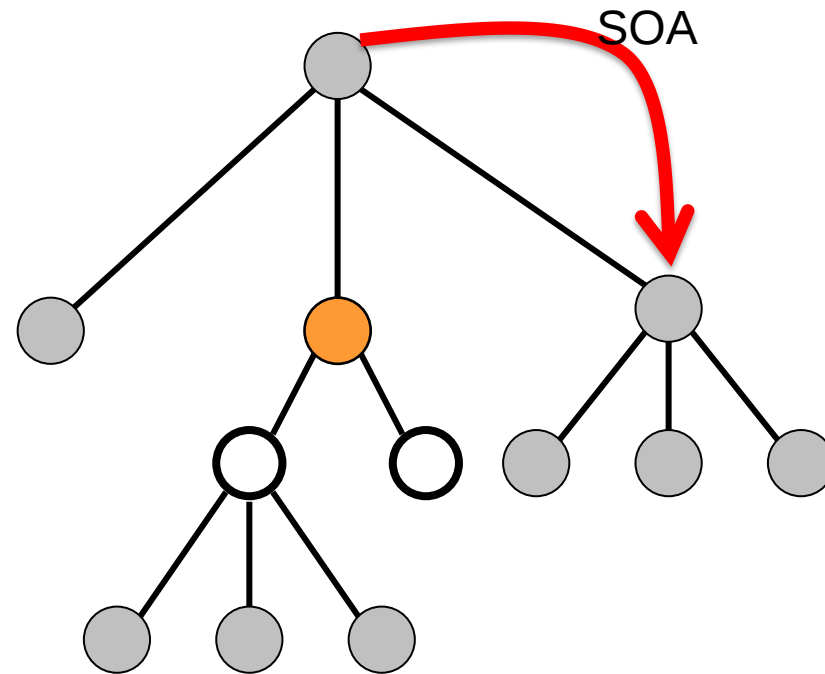


Ein neues Buzzword muss her



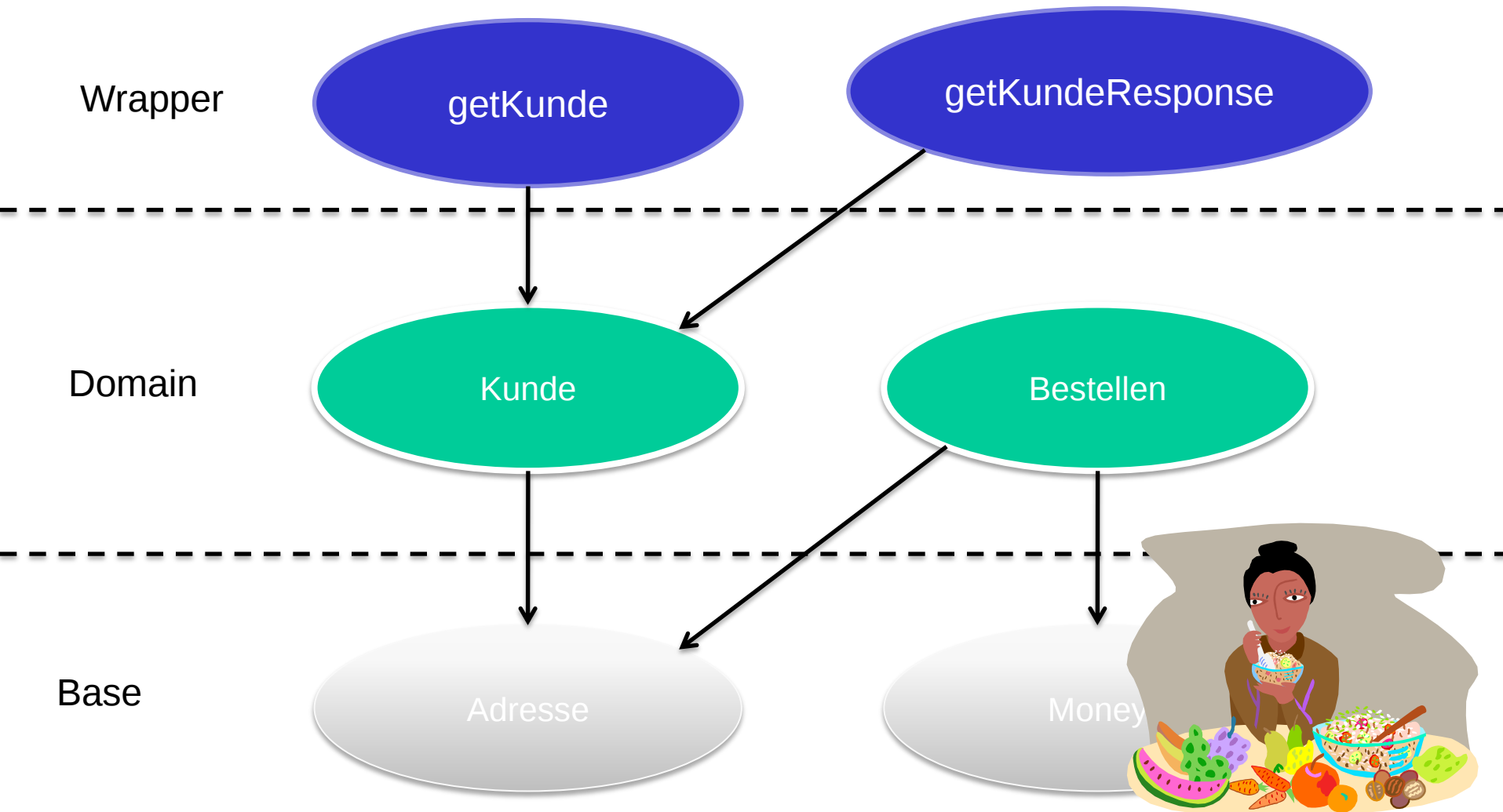
- Aigle SOA
- SOA 2.0
- SOA Lite
- Lean SOA
- Extrem SOA



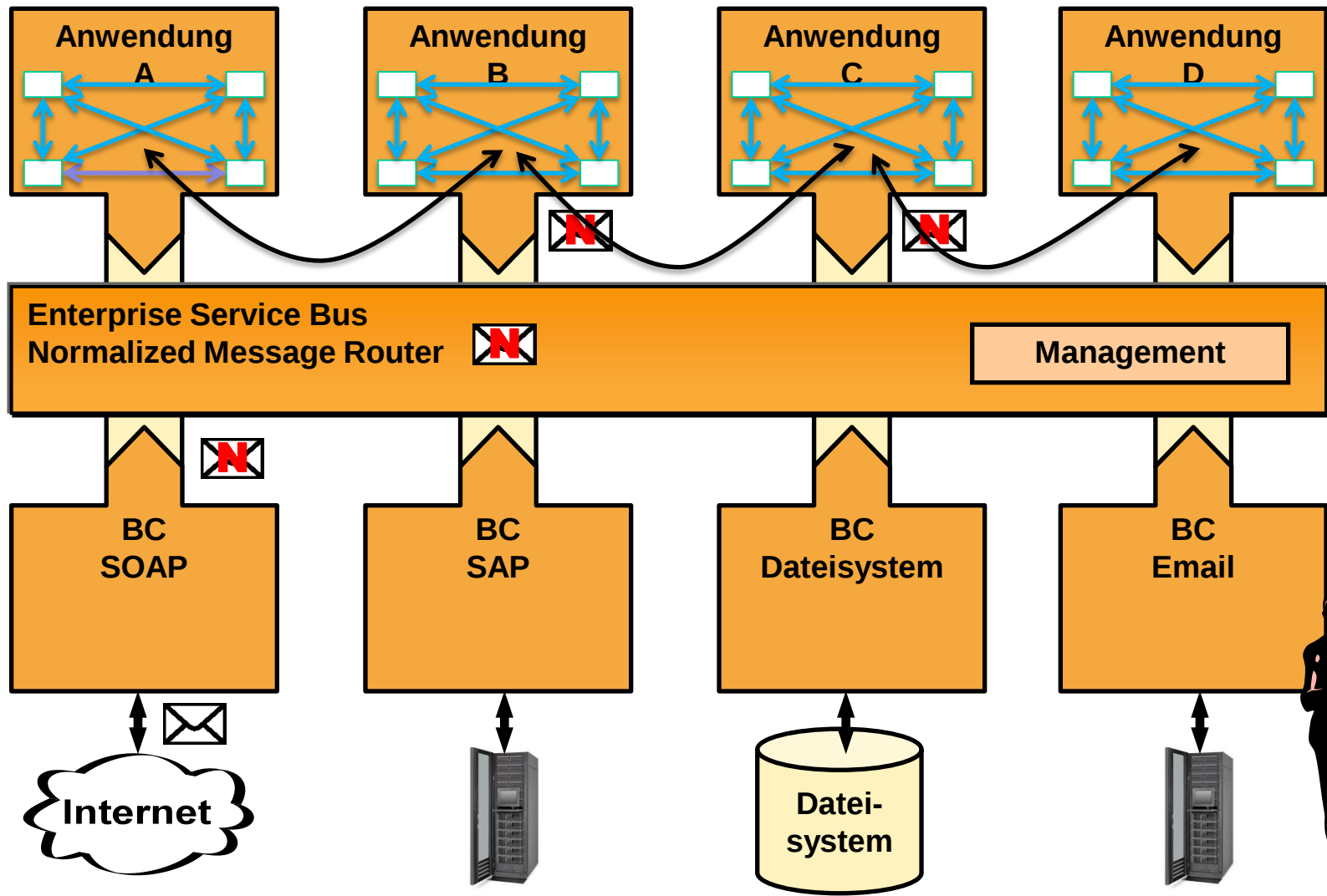


Schnittstellen befinden sich an den Rändern,
sind der Zuckerguss auf der Torte.

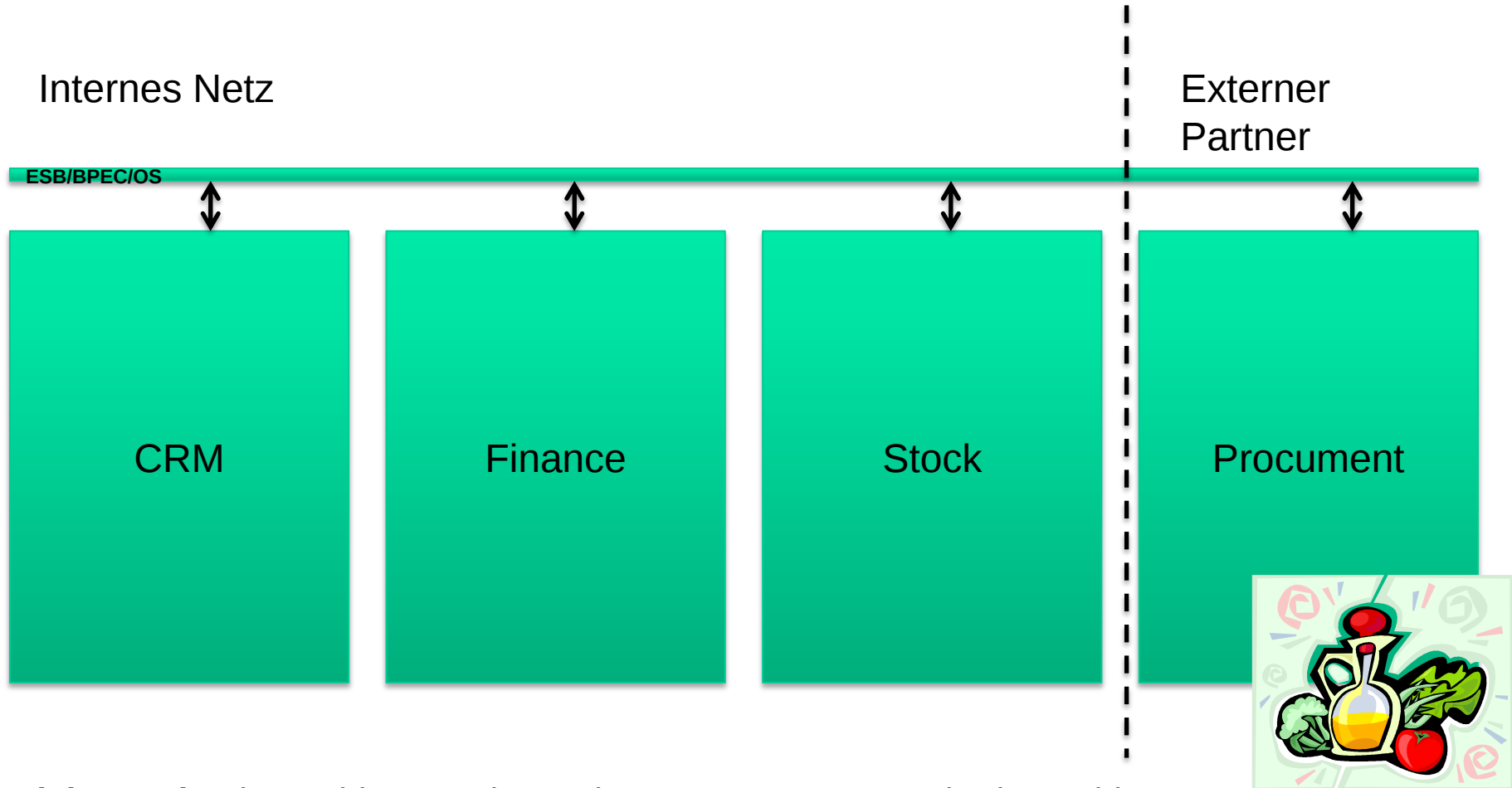




Enterprise Service Bus (ESB)



Der ESB ist keine Lösung für den Weltfrieden... ... er kann aber Integration



Siehe auch: Jim Webber Martin Fowler - Does My Bus Look Big In This
<http://www.slideshare.net/deimos/jim-webber-martin-fowler-does-my-bus-look-big-in-this>

- Zukunft?
- Können wir mit den Kilos leben?
- Wieviel kann SOA abspecken ohne dass es weh tut?
- Wird SOA noch schwergewichtiger?
- Welche Alternative gibt es?
 - ▶ Ist REST die Lösung?