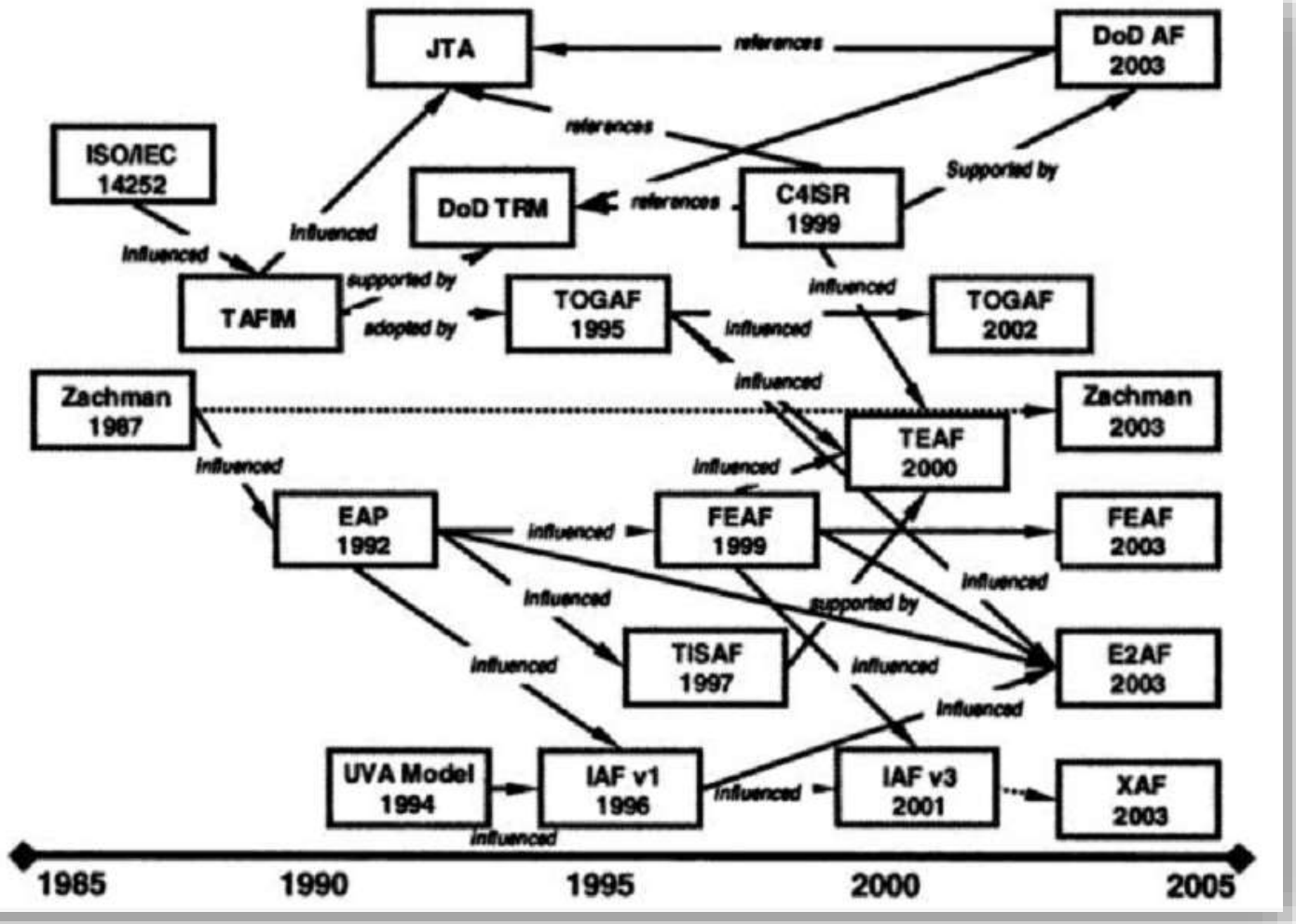
روندهای نو در
مدیریت معماری سازمانی

رضا کرمی
شرکت مهندسی نرم‌افزاری گلستان

اصفهان – ۳ خرداد ۱۳۹۱

چارچوبهای معماری سازمانی



تغییر الگوی استفاده از چارچوبهای معماری سازمانی

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Hybrid enterprise architecture frameworks are in the majority

March 22, 2012
By Mark Blowers

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Ovum's 2012 Business Trends: Enterprise Arc
enterprise architecture framework will provide a
developed a hybrid framework, with 36% indicatin
importantly, a framework should not be prescriptive
enterprise, retaining relevance for all stakeholders. T
tool flexibility. It would also appear from the study th
widespread adoption within the overall population.

Hybrid frameworks are in the majority

The study found that 66% of organizations had develop
respondents making use of two or more frameworks. Th
architecture, and several frameworks have been develo
there has been little in the way of "natural selection" th
organizations are often unsure about where to look for
have been developed with particular audiences in mind,
region-specific. In many instances organizations have de
frameworks.

Architecture frameworks offer a blueprint for the definition and do
enabling collaboration between disparate individuals and groups within an organization. Frameworks need not
provide a co

http://ovum.com/2012/03/22/hybrid-enterprise-architecture-frameworks-are-in-the-majority/

یافته-های کلیدی:

- ✓ ۶۶٪ سازمان-ها از چارچوب-های ویژه-سازی شده استفاده می-کنند.
- ✓ ۳۶٪ سازمان-ها از دو یا چند چارچوب به-عنوان پایه برای چارچوب خود استفاده می-کنند.
- ✓ چارچوب-های مطرح عمدتاً به-عنوان راهنمایی برای توسعه چارچوب اختصاصی سازمان-ها مورد استفاده قرار می-گیرد.
- ✓ سه چارچوب اول از نظر رایج بودن:
  - TOGAF
  - PEAF
  - Essential Project
- ✓ چارچوب-های DoDAF ، FEAF ، Zachman و ... در رده-های بعدی هستند.

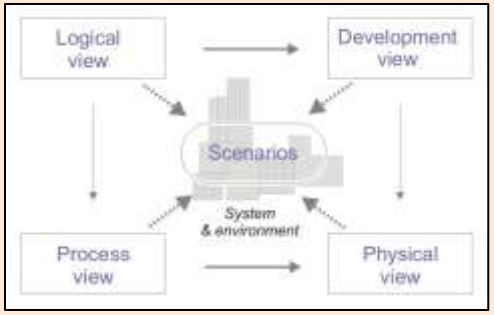
استانداردسازی توصیفات معماری

Scope

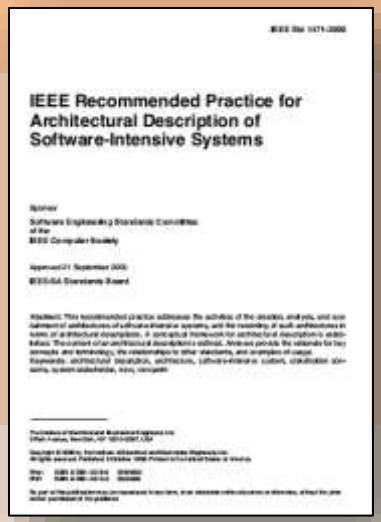
Systems (incl. Enterprise)

Software-intensive systems

Software



Kruchten 4+1 Model

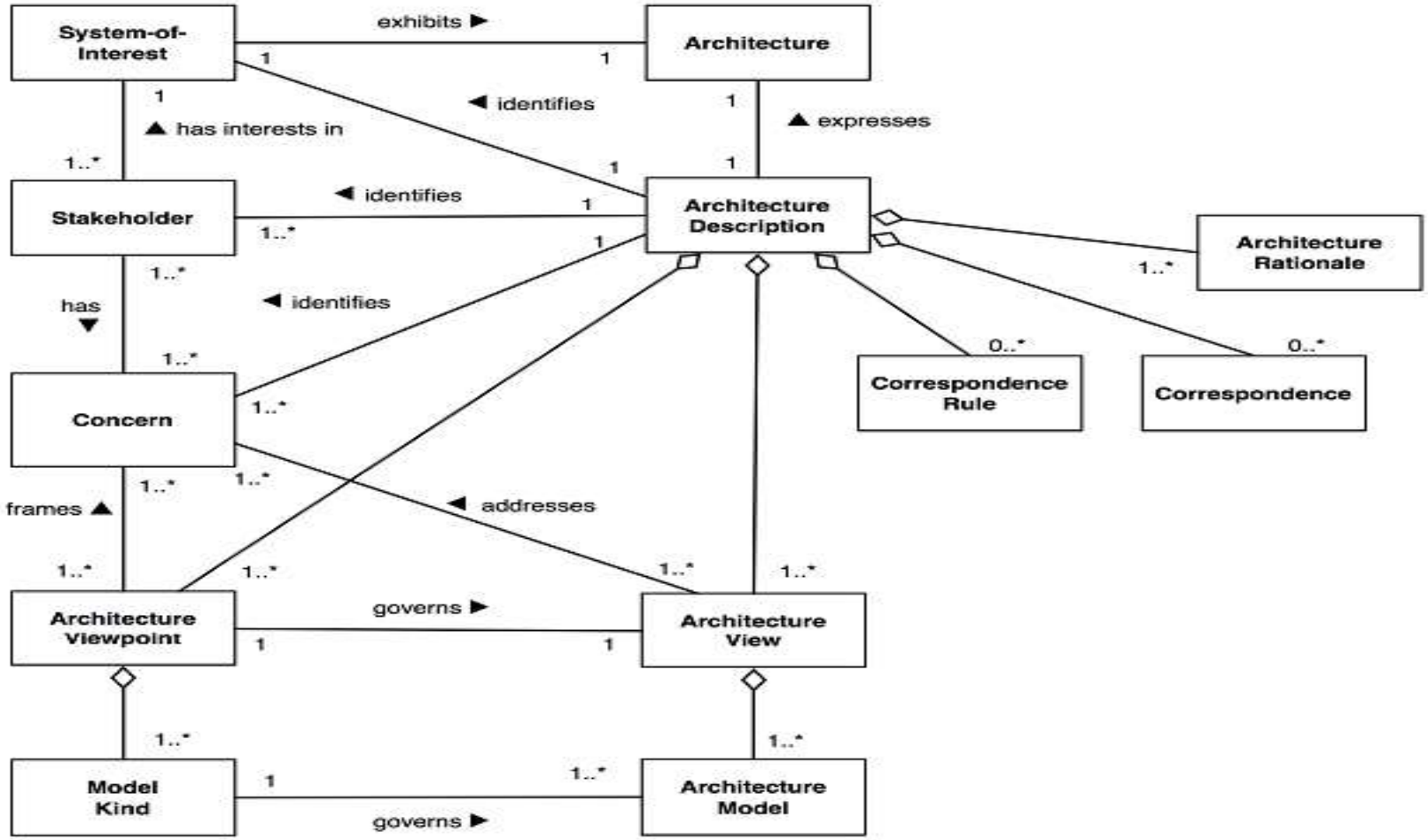


IEEE 1471

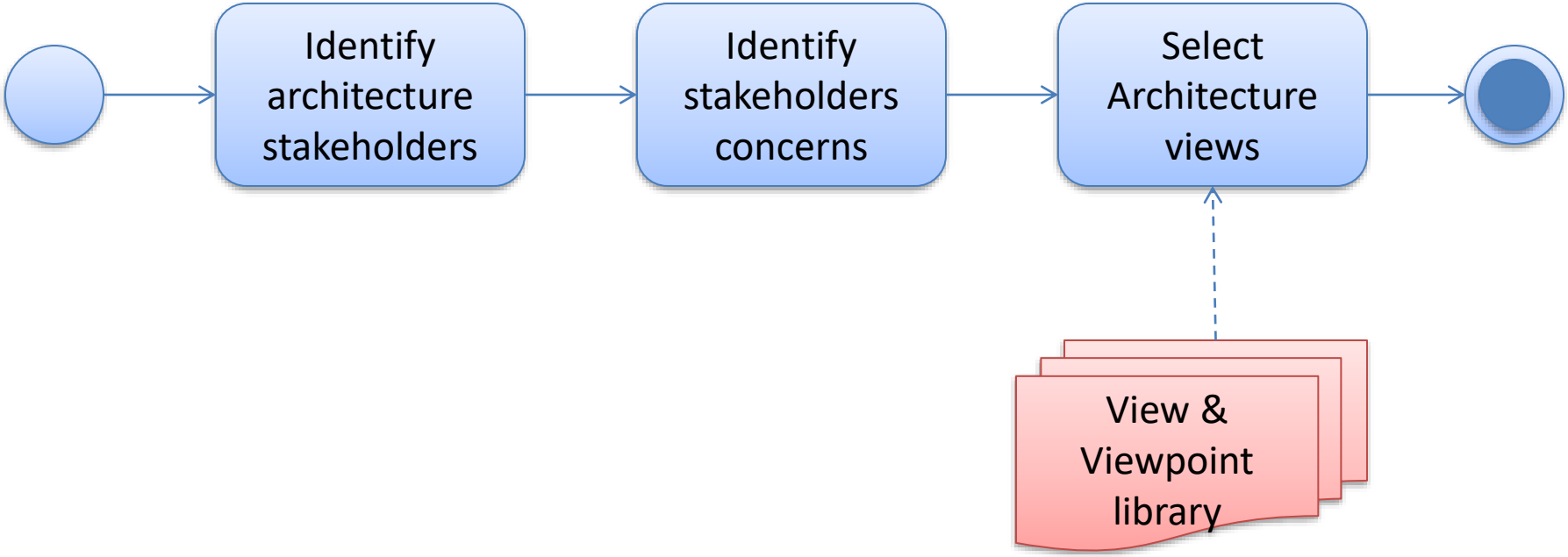
ISO/IEC/IEEE 42010

1995 2000 2011

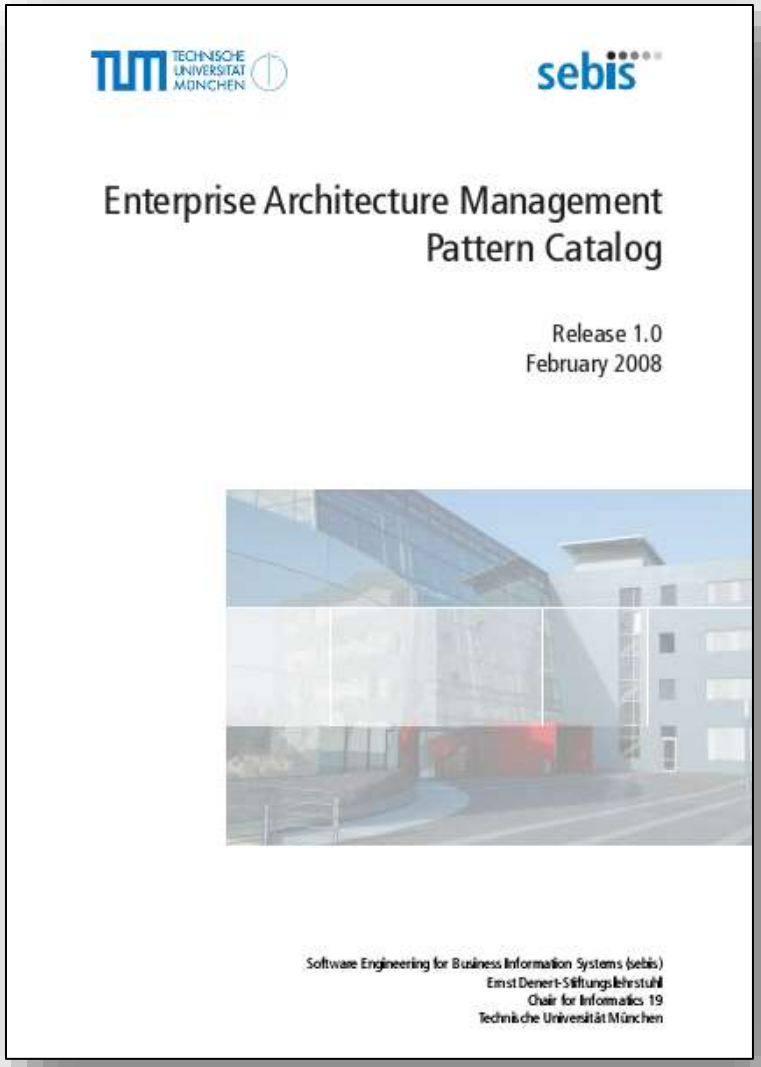
استانداردسازی توصیفات معماری



مسیر انتخاب دیدهای معماری مطابق IEEE 1471



الگوهای مدیریت معماری (پروژه SEBIS)



TECHNISCHE UNIVERSITÄT MÜNCHEN

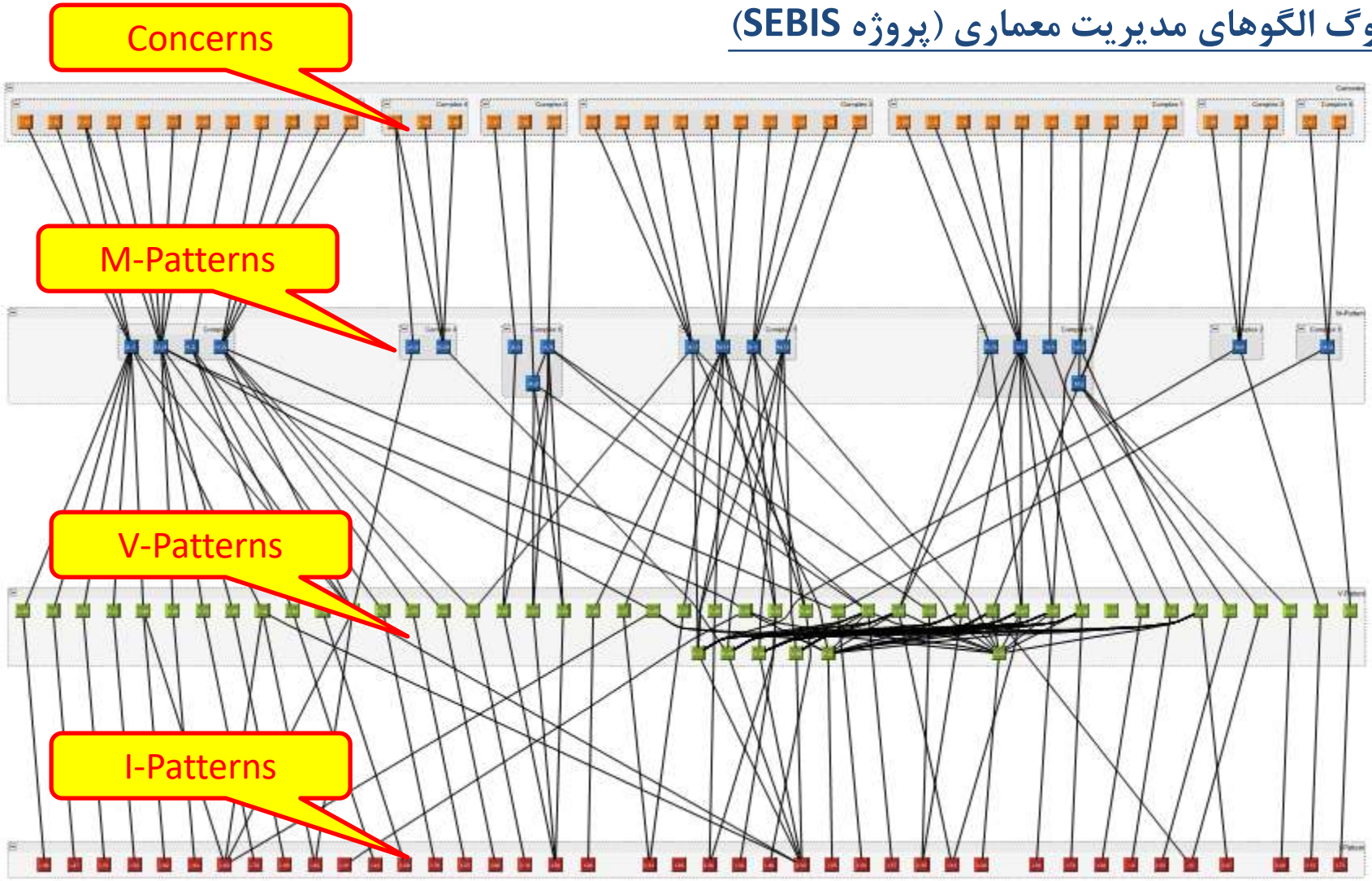
sebis

Enterprise Architecture Management
Pattern Catalog

Release 1.0
February 2008

Software Engineering for Business Information Systems (sebis)
Ernst Denert-Stiftungslehrstuhl
Chair for Informatics 19
Technische Universität München

کاتالوگ الگوهای مدیریت معماری (پروژه SEBIS)



کاتالوگ الگوهای مدیریت معماری (پروژه SEBIS)

Technology Homogeneity	C-2, C-4, C-5, C-8, C-9, C-19, C-46, [illegible]50, C-100, C-101
Business Processes	C-54, [illegible]
Application Landscape Planning	C-33, C-86
Support of Business Processes	C-78, [illegible]
Project Portfolio Management	C-29, [illegible]
Infrastructure Management	C-41
Interface, Business Object, and Service Management	C-51, C-66

C-2: Where are architectural blueprints or architectural standards used, and are there areas where those standards are breached?

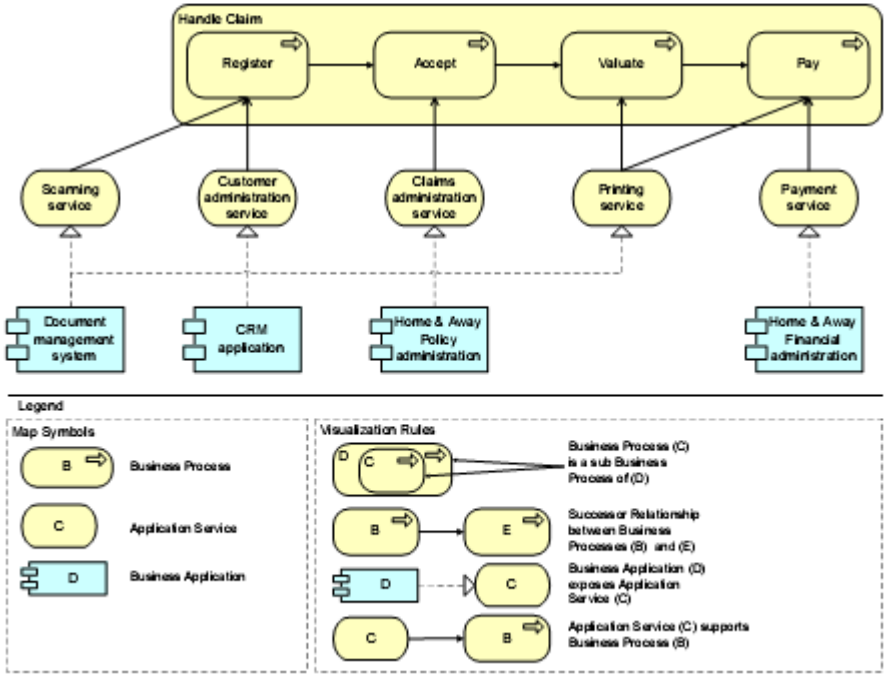
C-78: To which extent are the business processes supported by business applications? Which business processes are supported manually? Can the automated support be extended?

کاتالوگ الگوهای مدیریت معماری (پروژه SEBIS)

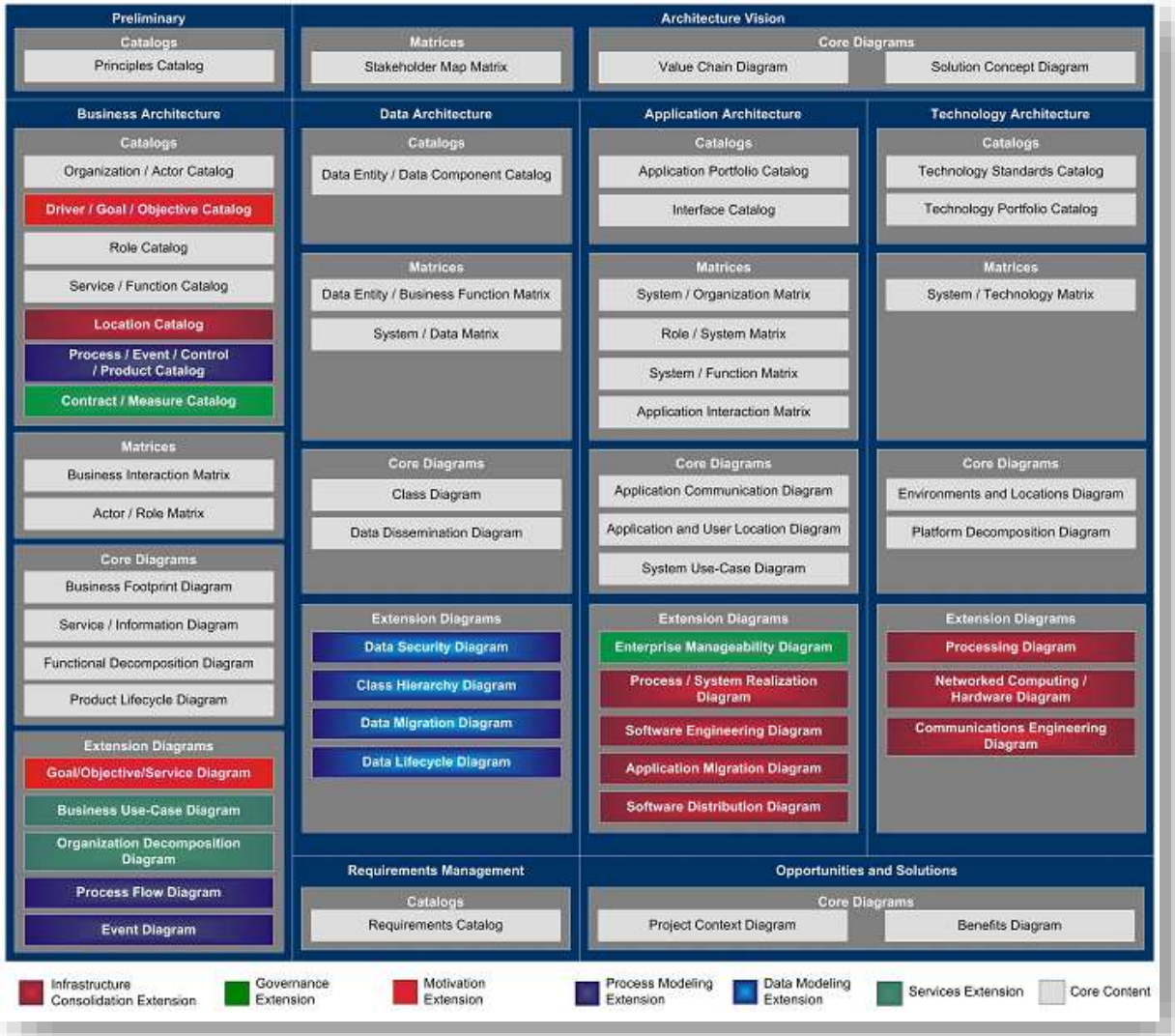
5.6 Viewpoint V-18

V-Pattern Overview	
Id	V-18
Name	Service-based Business Process Support Map
Alias	
Summary	This V-Pattern visualizes, how business processes are supported by services provided by business applications.
Version	1.0

5.6.1 Solution Section



چند کاتالوگ نماهای معماری دیگر



TOGAF 9 Core content meta-model

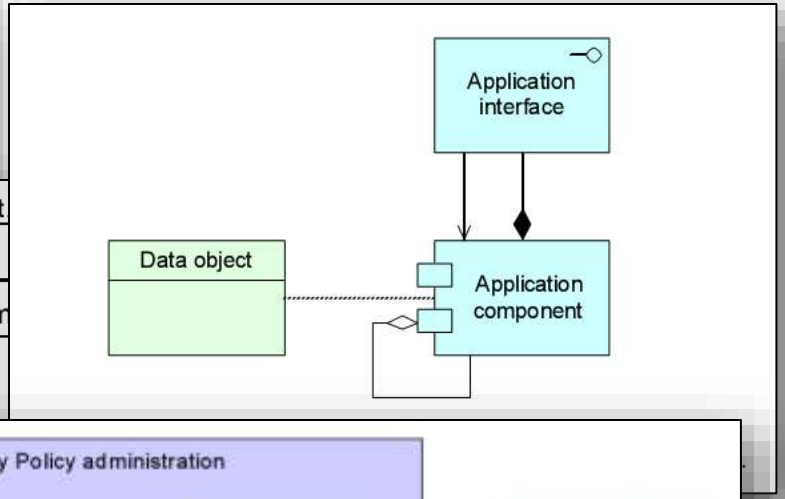
چند کاتالوگ نماهای معماری دیگر

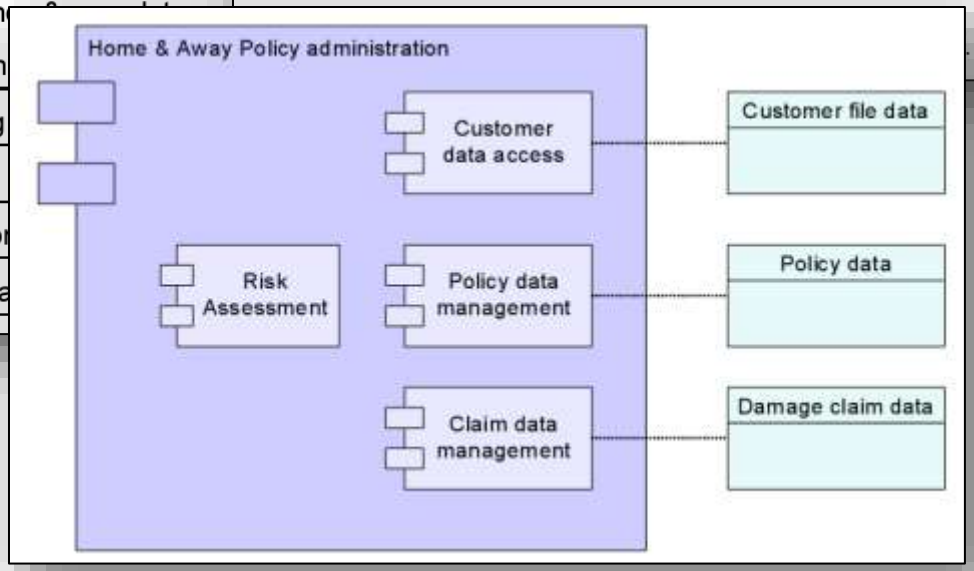
Table 3. Design viewpoints.

COMPOSITION	COOPERATION
Organisation (active): p. 22	*Actor Cooperation*, p. 36
Business Function (behaviour), p. 24	*Business Process Cooperation*, p. 39
Business Process (behaviour), p. 26	*Application Cooperation*, p. 41
Information Structure (passive),	
Application Structure (active), p	
Application Behaviour (behaviou	
Infrastructure (active), p. 34	
SUPPORT	
Product, p. 44	
Application Usage, p. 46	
Infrastructure Usage, p. 48	

Table 8. Application Structure viewpoint

VIEWPOINT NAME	Application Structure
STAKEHOLDERS	Enterprise, application, dom
CONCERNS	Structureof applications Consisten Reduction
PURPOSE	Designing
ABSTRACTION LEVEL	Details
LAYERS	Applicatio
ASPECTS	Active, (pa





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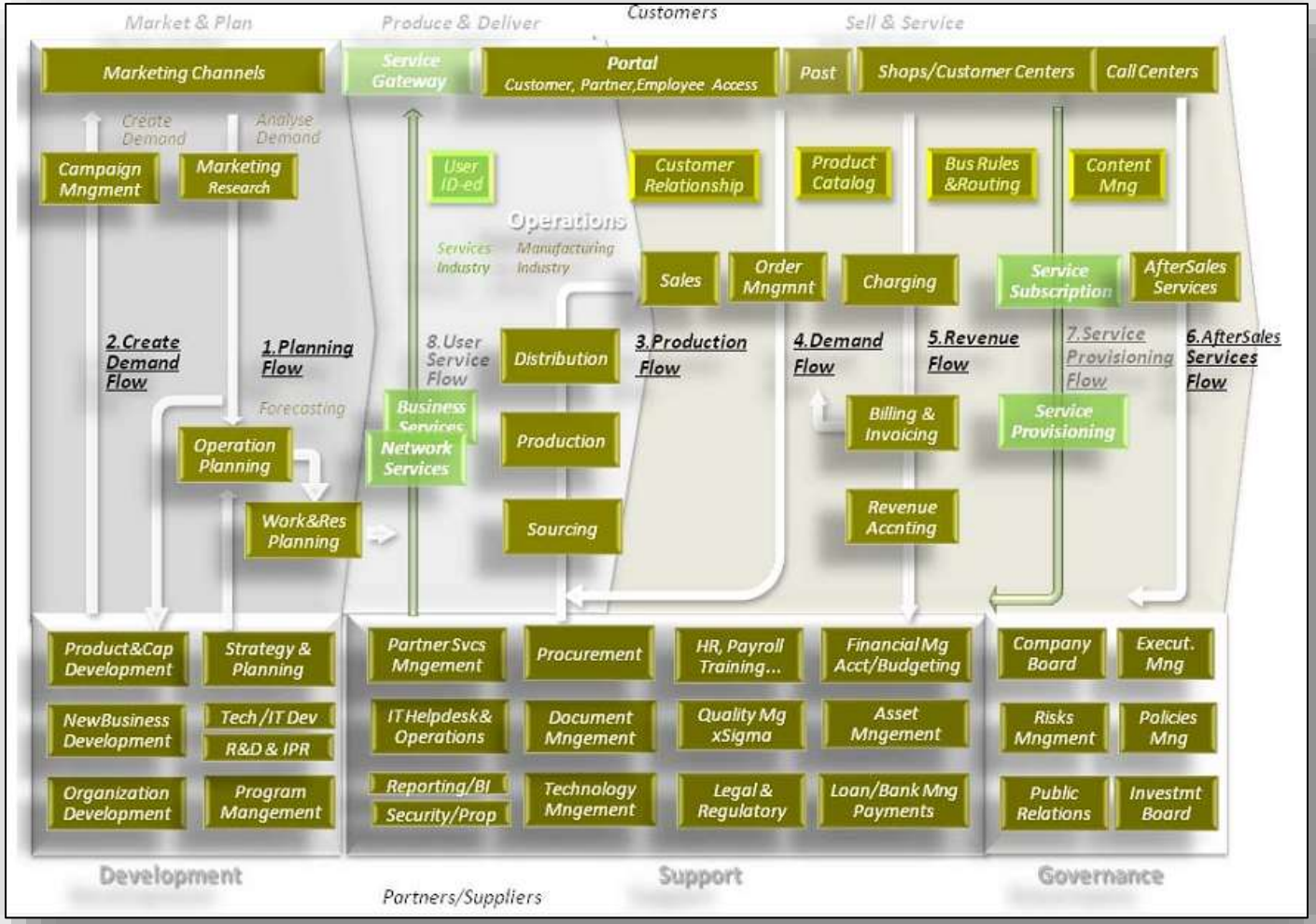
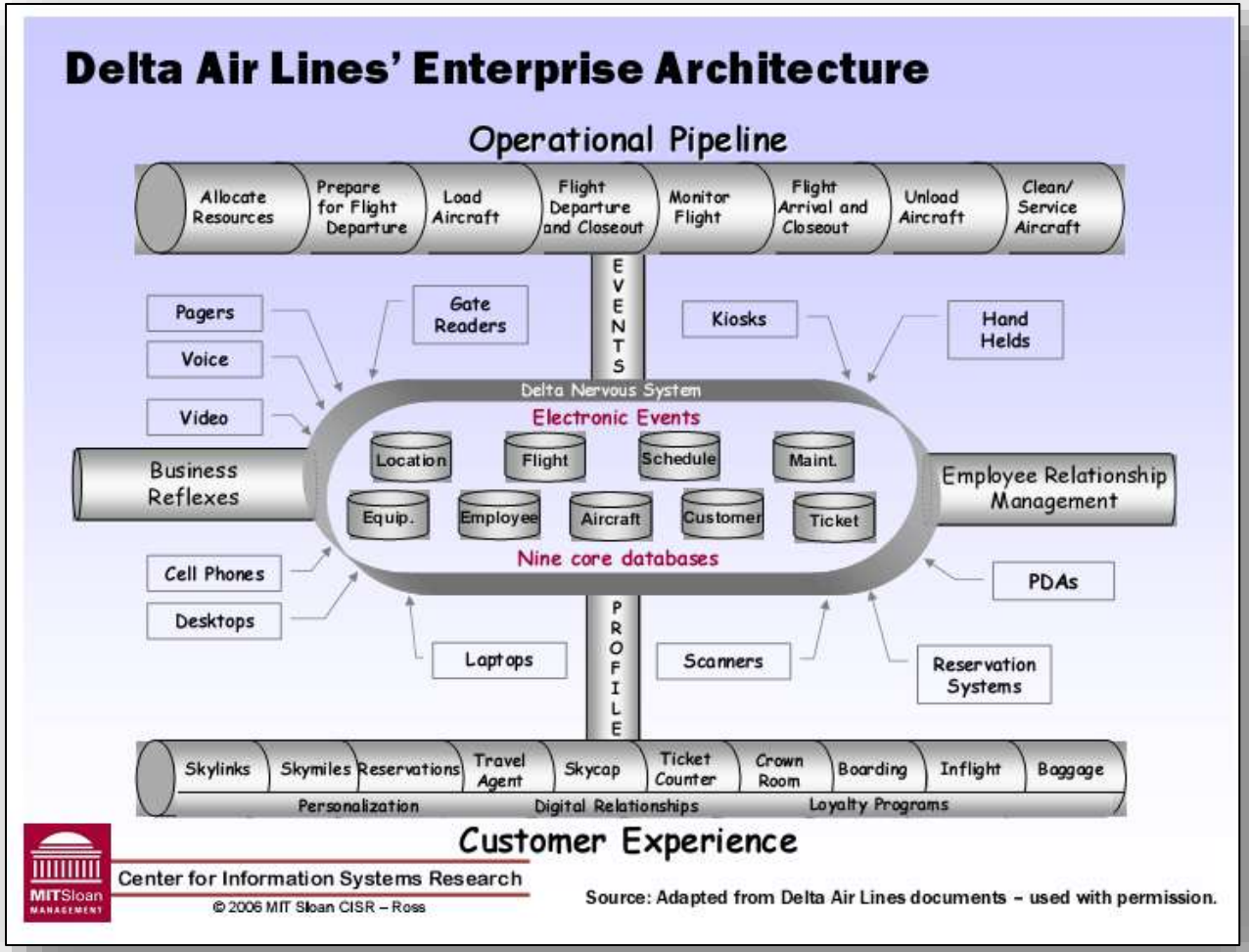
Viewpoint Catalog

ساده-سازی معماری



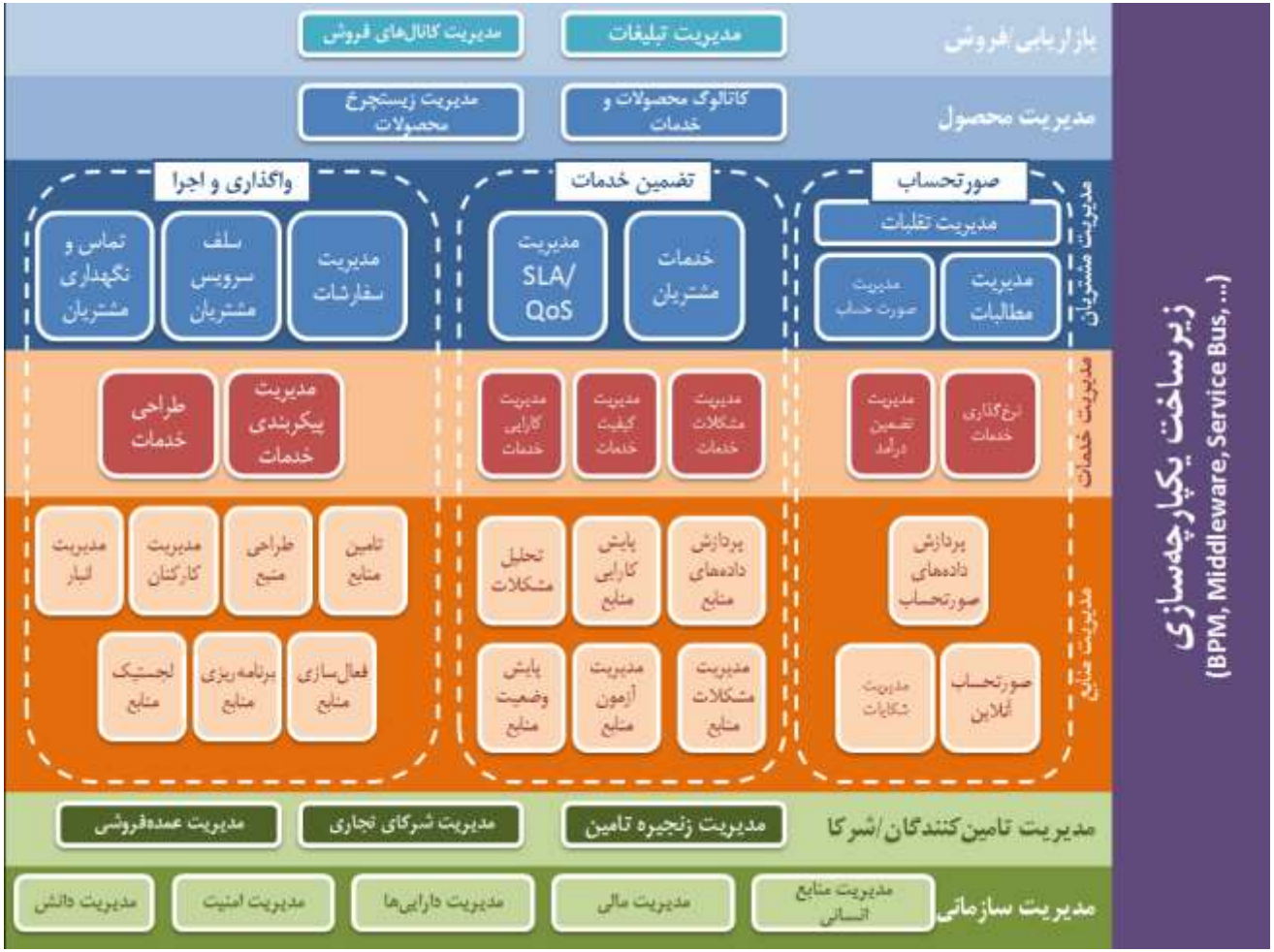
Adrian Grigoriu's One-Page Architecture

ساده-سازی معماری



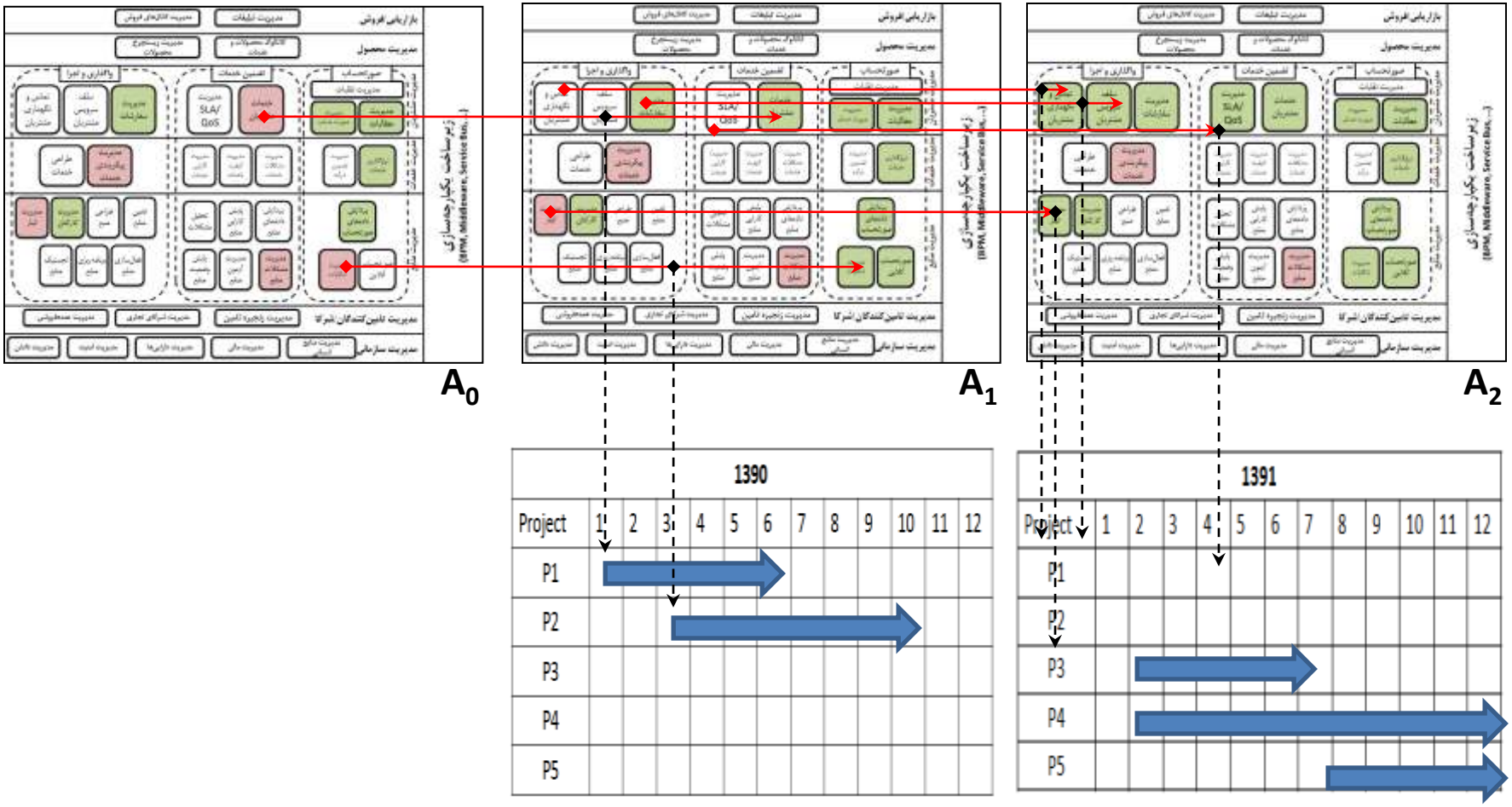
J.W.Ross Operating Model

استفاده از مدل-های مرجع در معماری

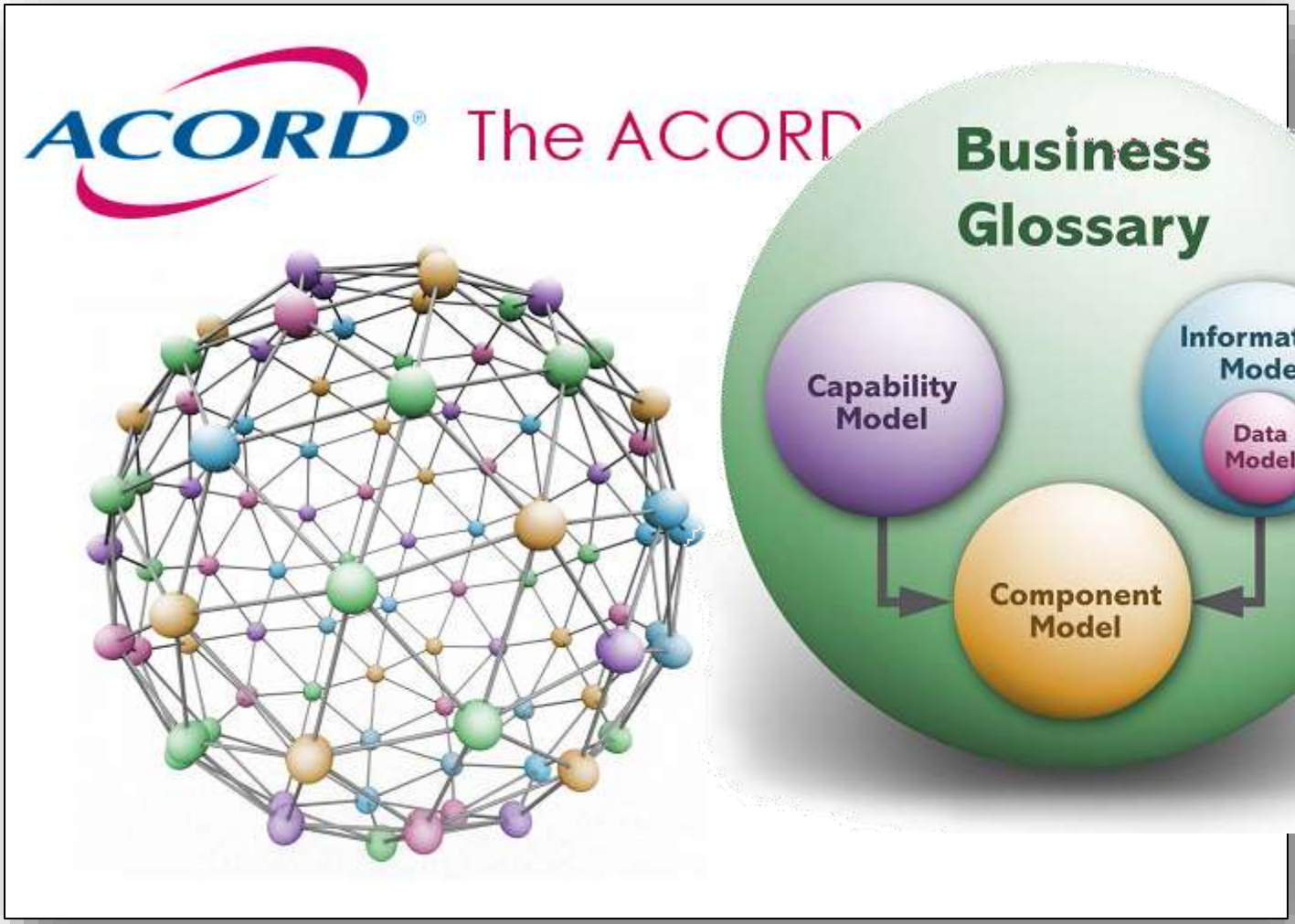


TM-Forum Frameworx for Telecom Industry

استفاده از مدل-های مرجع در معماری



استفاده از مدل-های مرجع در معماری



ACORD Framework for Insurance Insustry

رویکرد First To-Be Architecture

The 10 Best Practices of Successful EA Programs

1. Charter Your EA Program focused on Business context
2. Develop (and Execute) a Communications Plan
3. Be Pragmatic (scope and iterate your efforts)
4. Treat Each Iteration Like a Project
5. Start With the Business Strategy and Obtain Business Sponsorship
6. Do the Future State Before the Current State
7. Don't Forget Governance
8. Set Up a Measurement Program (link to overall performance management)
9. Track EA Program Maturity and perceptions
10. Pay as Much Attention to Peoples Competencies as to Skills

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سرویس-گرایی و معماری سازمانی

OASIS

Reference Architecture for Service Oriented Architecture Version 0.3

Working-draft, March 4, 2008

Specification URIs:

This Version:
http://docs.oasis-open.org/soa-rm/ [additional path/filename] .html
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Related work:
This specification is related to:

- OASIS Reference Model for Service Oriented Architecture

Abstract:
This document specifies the OASIS Reference Architecture for Service Oriented Architecture. It follows from the concepts and relationships defined in the OASIS Reference Model for Service Oriented Architecture. While it remains abstract in nature, the current document describes one possible template upon which a SOA concrete architecture can be built.

Our focus in this architecture is on an approach to integrating business with the information technology needed to support it. The issues involved with integration are always present, but, we find, are thrown into clear focus when business integration involves crossing ownership boundaries.

This architecture follows the recommended practice of describing architecture in terms of models, views, and viewpoints, as prescribed in ANSI/IEEE[1] 1471 Std. This Reference Architecture is

[1] American National Standards Institute

soa-ra-wd-3
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March 4, 2008
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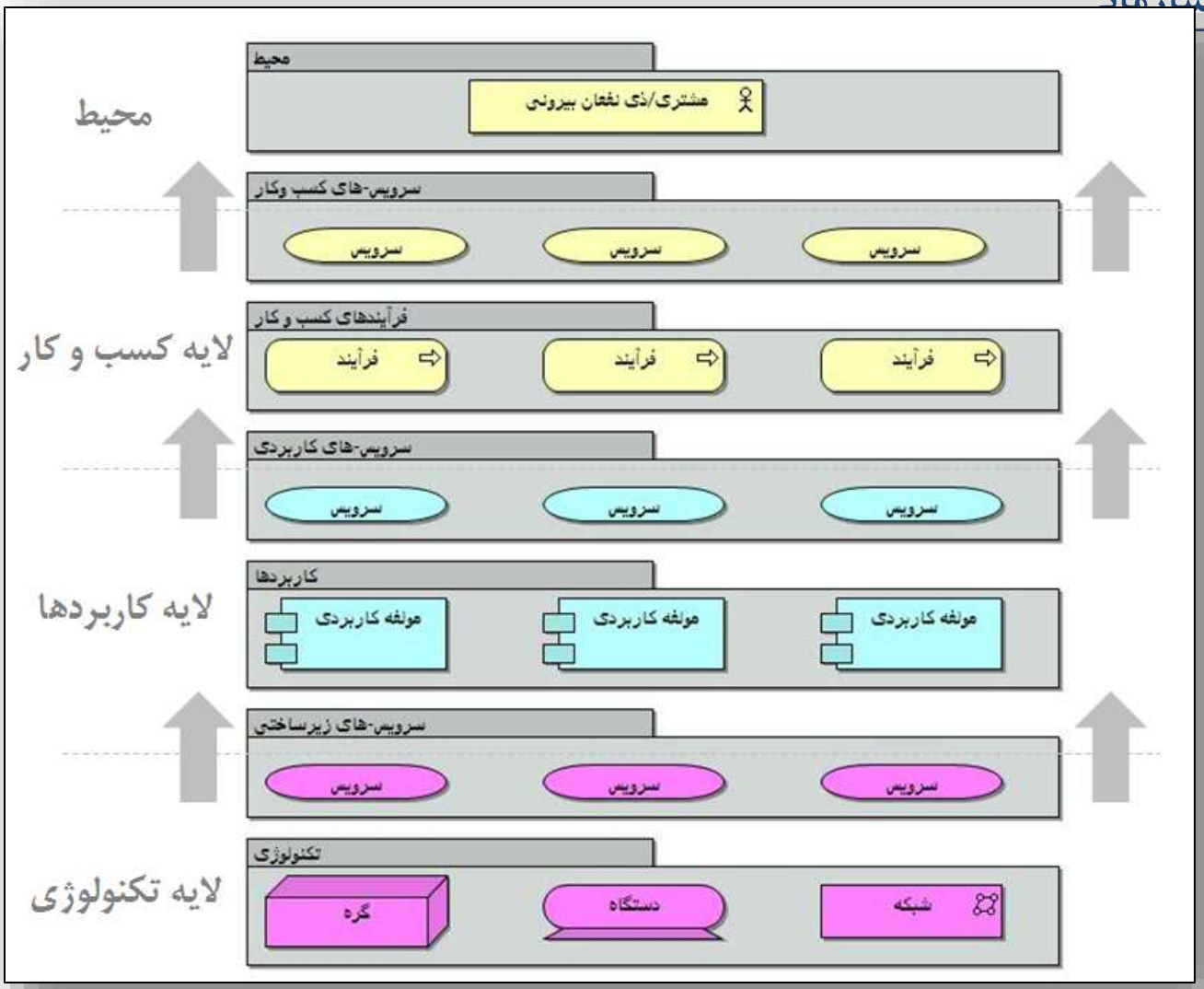

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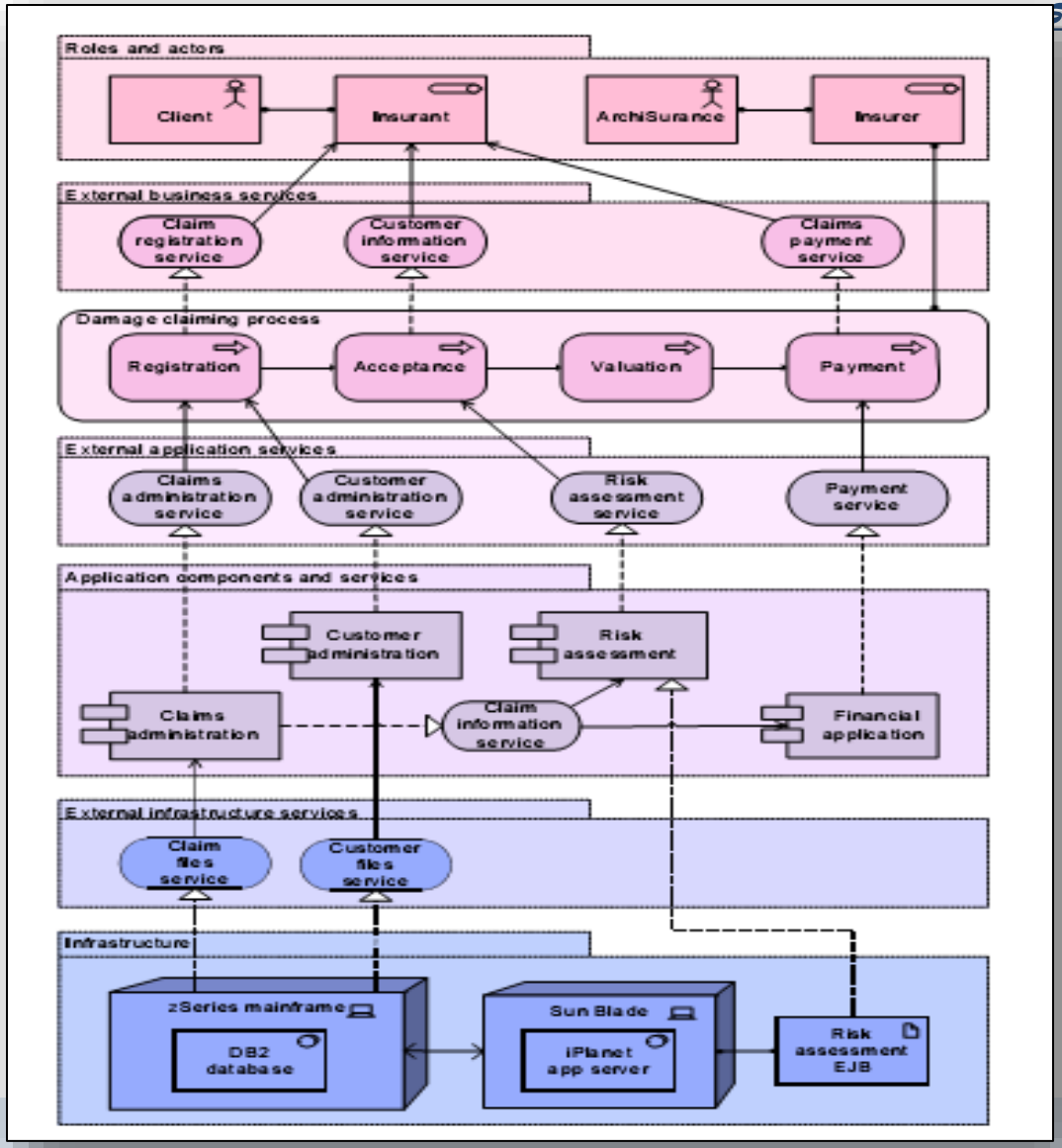

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