

The Open Group Open Agile Architecture™ (O-AA)



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https://t.me/it_arch



The Open Group Denver July 22-25, 2019

Agile Architecture

Monday, July 22, 2019

Digital Practitioners and Compatibility with Agile Principles

A constellation of new best practices and approaches based on Cloud, Agile, Lean, and DevOps is overtaking older approaches based on physical infrastructure, project management, process management, and functional specialization. **The Digital**

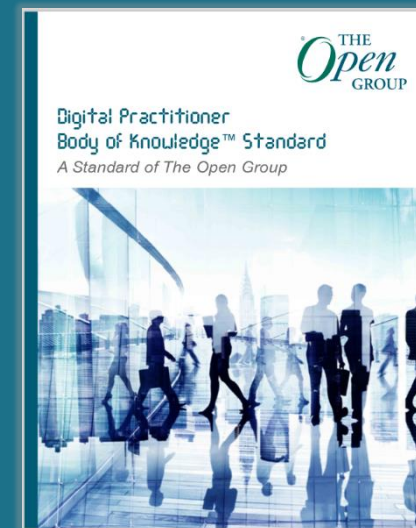
Register Now



Tuesday, July 23, 2019

Agile and Enterprise Architecture

Agile main principles and manifesto is based on customer satisfaction through early and continuous delivery of valuable product and welcome changing requirements, even late in development to deliver working software/product development frequently in a short



THE *Open* GROUP

The Open Group Agile Architecture Framework™ Draft Standard

The Open Group Snapshot

Какие бывают архитектуры

Микросервисная Архитектура

онлайн

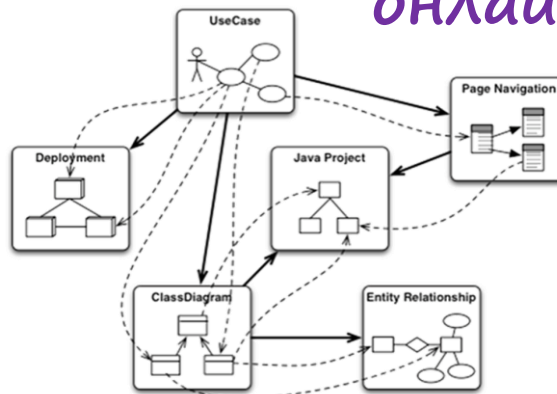


25-28 января

Software (technology)
architecture

Мастерская Проектирования ИТ-решений

онлайн



15-18 февраля

Solution architecture

Практики Архитектуры Предприятия

онлайн



7-10 июня

Enterprise architecture

Структура Open Agile Architecture™

Part 1: The O-AA Core

3. A Dual Transformation

4. Architecture Development

5. Intentional Architecture

6. Continuous Architectural Refactoring

7. Architecting the Agile Transformation

8. Agile Governance

9. Axioms for the Practice of Agile Architecture

Part 2: The O-AA Building Blocks

10. Building Blocks Overview

11. Agile Strategy

12. Agile Organization

13. Experience Design

14. Product Architecture

15. Journey Mapping

16. Lean Value Stream Mapping

17. Operations Architecture

18. Data Information and Artificial Intelligence (AI)

19. Event Storming

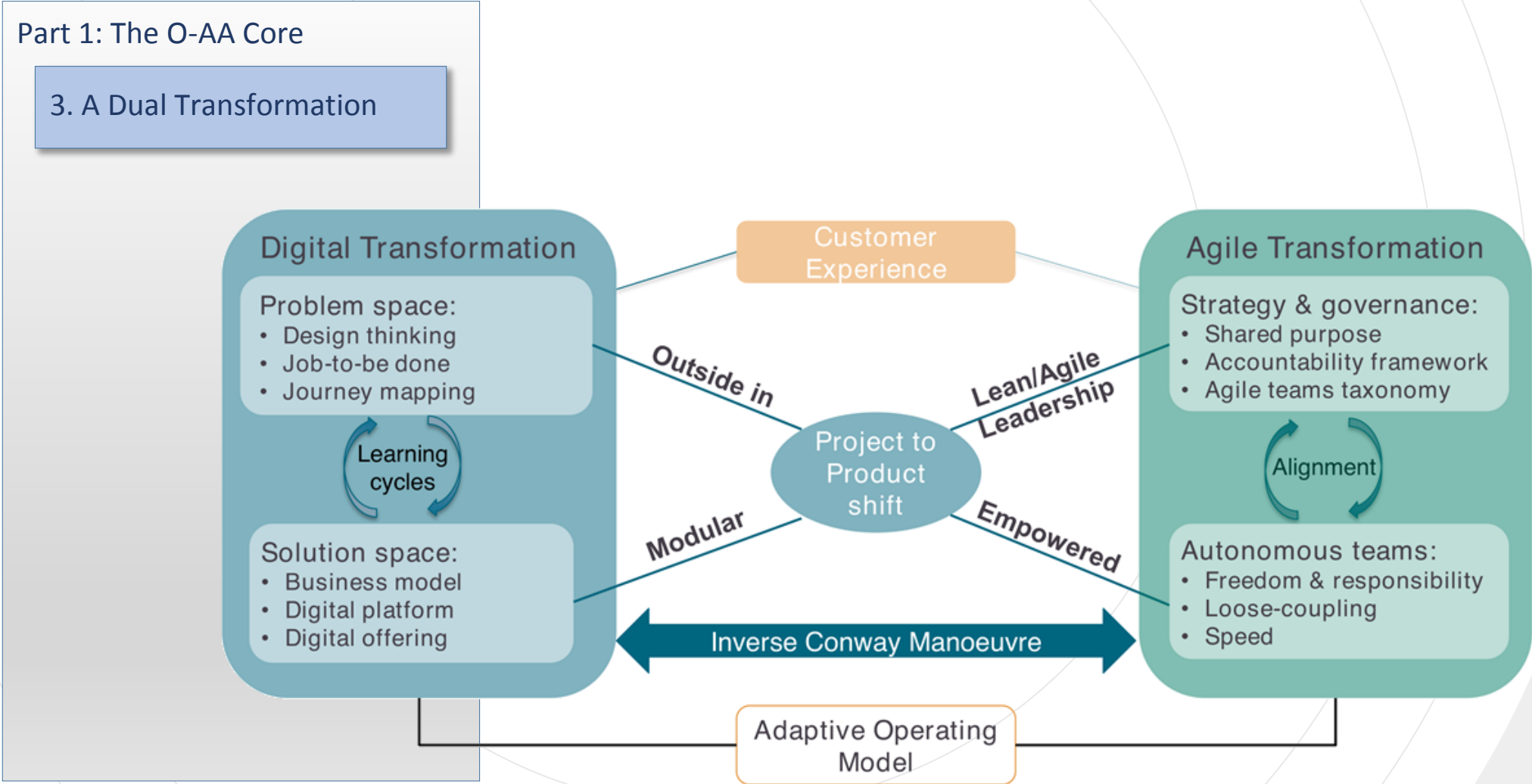
20. Domain-Driven Design: Strategic Patterns

21. Software Architecture

22. Software Engineering for Hardware

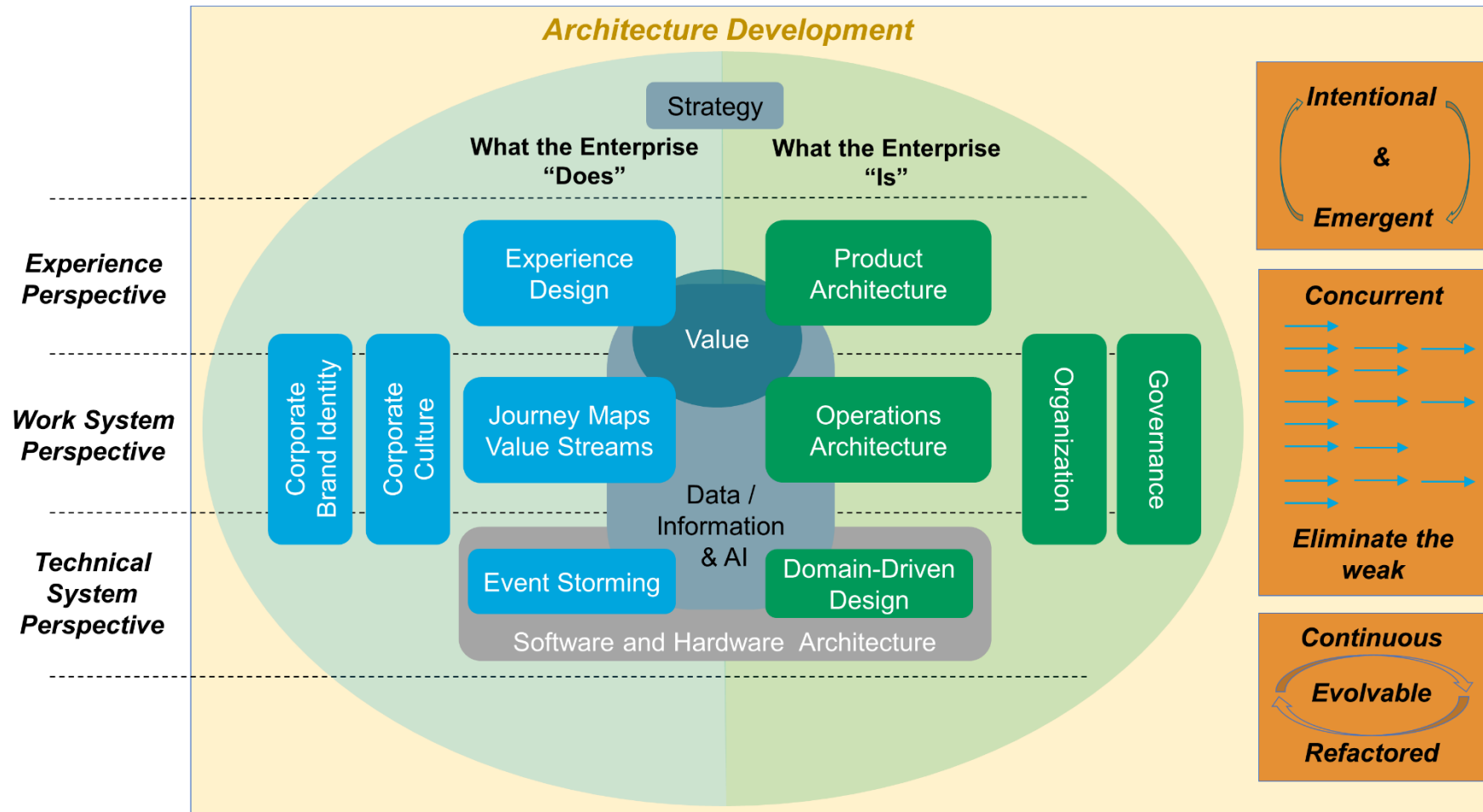
<https://pubs.opengroup.org/architecture/o-aa-standard>

Структура Open Agile Architecture™



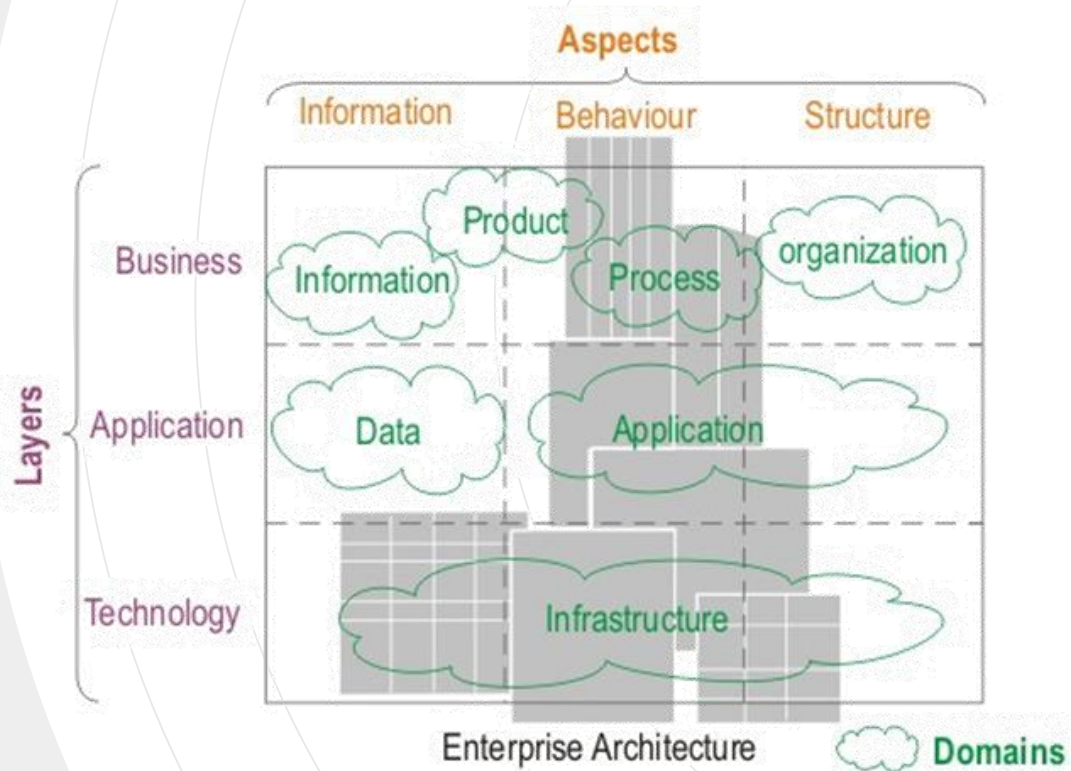
4. Architecture Development

Development Building Blocks



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Development Building Blocks



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- 5.1 Enterprise Architecture versus Solution Architecture
- 5.2 Architecturally Significant Decisions
- 5.3 Architecture Decision Record
- 5.4 Example: Car Sharing Platform (CSP)
- 5.5 From Intentional to Continuous
- 5.6 When Intentional Architecture is Recommended
- 5.7 Set-Based Concurrent Engineering (SBCE)
- 5.8 SBCE of the CSP
- 5.9 A Few Concluding Words

Структура Open Agile Architecture™

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9. Axioms for the Practice of Agile Architecture

Axiom 1. Customer Experience Focus

Axiom 2. Outside-In Thinking

Axiom 3. Rapid Feedback Loops

Axiom 4. Touchpoint Orchestration

Axiom 5. Value Stream Alignment

Axiom 6. Autonomous Cross-Functional Teams

Axiom 7. Authority, Resp., and Accountability Distribution

Axiom 8. Loosely-Coupled Systems

Axiom 9. Modular Data Platform

Axiom 10. Simple Common Operating Principles

Axiom 11. Partitioning Over Layering

Axiom 12. Organization Mirroring Architecture

Axiom 13. Organizational Leveling

Axiom 14. Bias for Change

Axiom 15. Project to Product Shift

Axiom 16. Secure by Design

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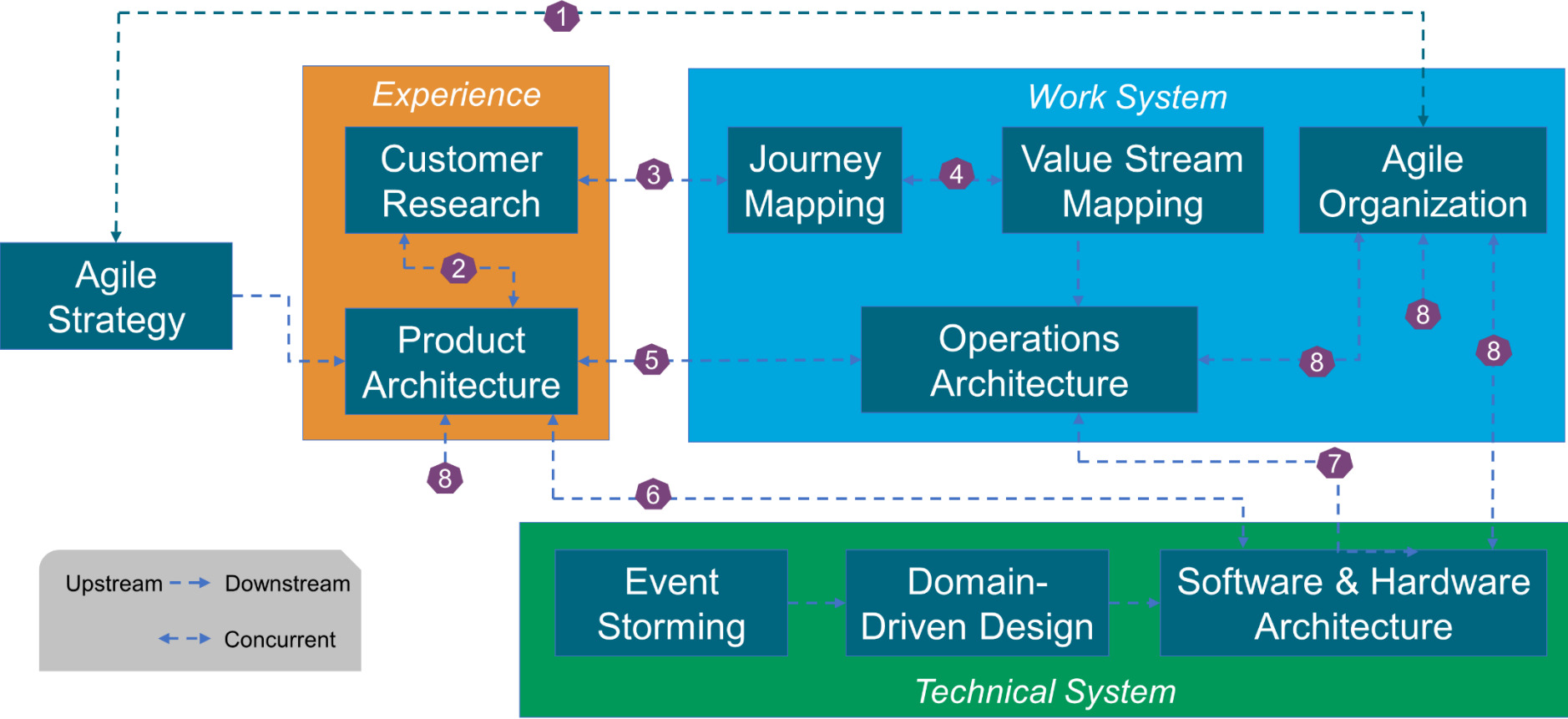
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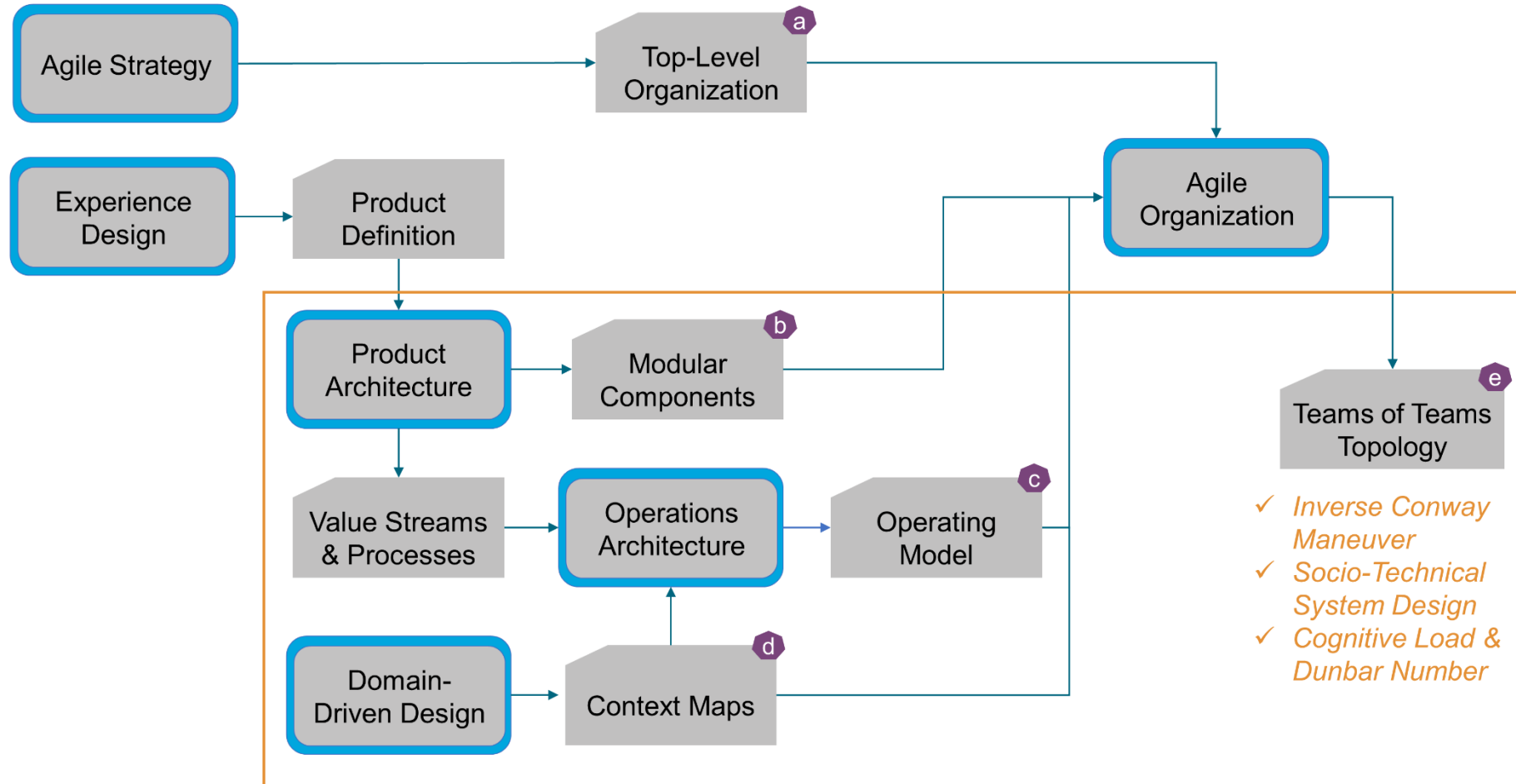
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10. Building Blocks Overview

10.1 Building Blocks Logic



10.3. Segmentation Approach



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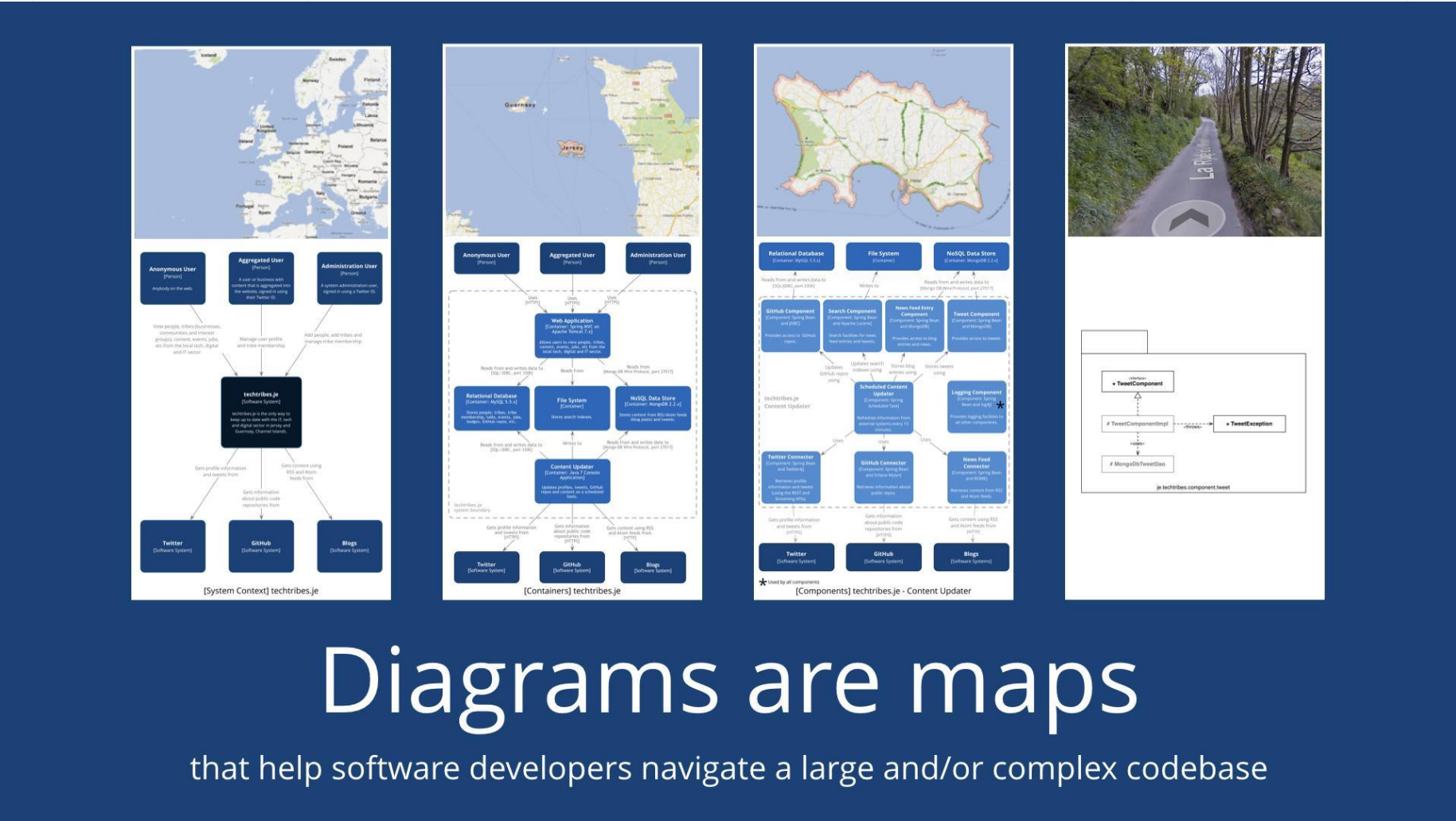
22. Software Engineering for Hardware

18. Data Information and Artificial Intelligence (AI)

- 18.1. Data Streaming Architectures
- 18.2. Coupling Data Streaming with AI
- 18.3. Data Model and Reality
- 18.4. The Monolithic Data Model
- 18.5. Moving Away from Monolithic Data Architectures
- 18.6. Machine Learning Pipelines
- 18.7. Deep Learning for Mobile
- 18.8. A Few Concluding Words



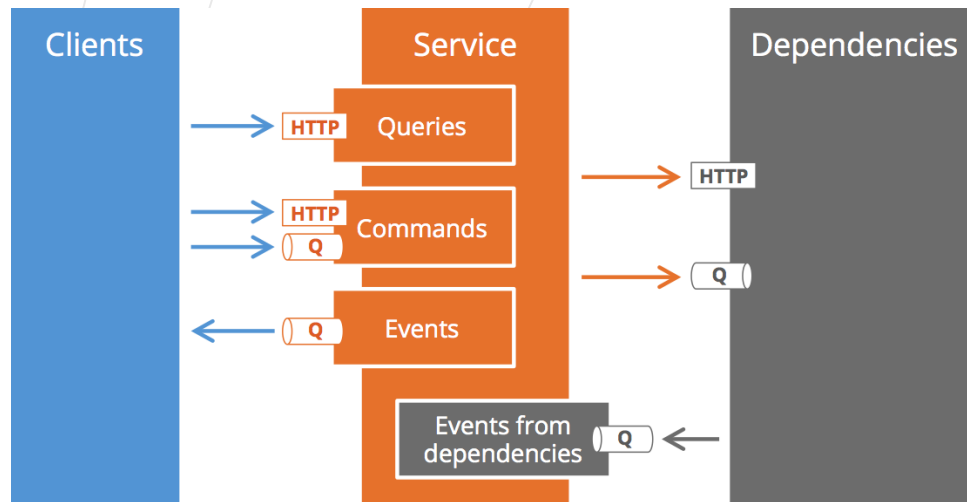
21. Software architecture



Diagrams are maps

that help software developers navigate a large and/or complex codebase

21.2 Event-Driven Architecture



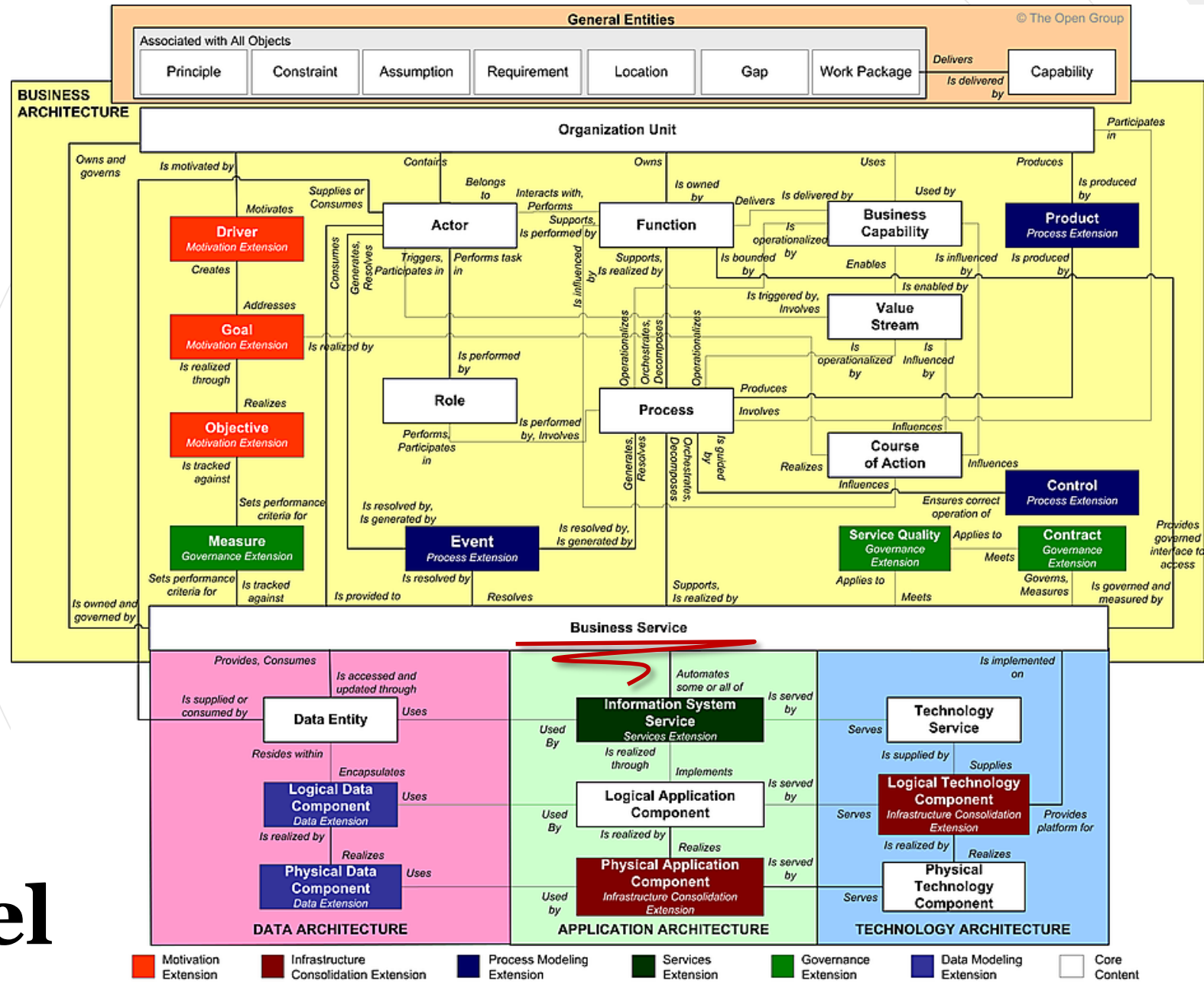
- 21.2.1. Concepts of Command, Query, and Event
- 21.2.2. Benefits of Event-Driven Architecture
- 21.2.3. Event Sourcing
- 21.2.4. Command Query Responsibility Segregation (CQRS)
- 21.2.5. Command, Query, and Event Metadata
- 21.2.6. System Consuming Other Systems' Events
- 21.2.7. Ensuring Global Consistency with Saga Patterns

Давайте уже резюмировать

1. Стандарт O-AA верхнеуровневый. Не следует рассматривать его в качестве руководства
2. Больше всего не хватает метамодели



TOGAF Content Metamodel



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2. Больше всего не хватает метамодели
3. Я буду использовать О-АА для обучения enterprise architects, аналитиков, экспертов по моделированию бизнес-процессов и др.:
 - ✓ корректировка модели деятельности ЕА
 - ✓ расширение набора АВВ (точки контакта с клиентом, потоки создания ценности, ...)
 - ✓ актуализация модели ИТ (распределенные системы и cloud-native архитектуры)
 - ✓ изменение подходов к восприятию и моделированию данных



Спасибо! Вопросы и комментарии

Микросервисная Архитектура

онлайн

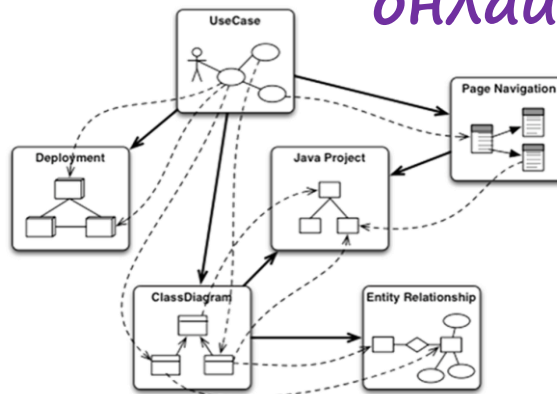


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