



Managed Evolution: It's not About Technology Anymore*

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Global Integration Architect

PB Apps

12 97 1 8

CoS Apps

IB Apps

AM Apps

More than 3000 Applications ...

5: Communications & Collaboration

Communication and Access (CHA) 147 27 0 0

Street Side Interfaces (SSI) 77 40 1 1

Business Partner Applications (BPA)

19 1 0 1

Enterprise Content Management (ECM)

86 34 1 2

Financial Market Information (FIN)

65 152 0 0

11 7 2 6 49

6: Accounting, Control and Reporting

Regulatory, Risk and Liquidity (RRL)

18 5 0 0

Accounting Core (AOC)

60 7 1 10

Financial Accounting (FAC)

2: Finance, Investment & Sales

Wealth Management & Advisory
92 7 5 1

Credits and Syndication
85 58 0 1

3: Trading and Markets

Trading (TRA)
146 567 6 4
Order and Trade Management (OTM)

Product Control
26 136 61 6

4: Cash and Asset Operations

Payments
63 35 0 0

Single Accounts
38 21 1 0

Settlement and Clearing
69 189 0 1

Custody
28 22 0 0

Corporate Actions
21 17 0 1

1: Partners

Customer Relationship Management (CRM)
68 65 0 7
Customer & Partner (CUS)

7: Enterprise Common Services

Logistics

22 91 1 38

Basic Facilities

80 105 2 2

...Means the Approach to IT is Key

- IT support large systems for large business infrastructures
 - Telecommunications networks
 - Electronic banking and trading systems...
- Too risky to replace all at once –evolution is necessary
 - IT systems have accrued value of 20-30 years' or more
 - Global businesses require continuous operation
- The focus is therefore on how we do IT
 - We mostly have the functions and systems we need
 - The challenge is to rationalize cost and improve what's there
- Integration architecture decomposes the problem
 - Reduce complexity to control cost and facilitate agility
 - Key part of comprehensive architectural effort

How IT Architecture Creates Value



Transparent structure allows IT to avoid/eliminate duplicate functionality and to reduce complexity

⇒ reduced development, maintenance, and operation costs



Well-architected applications ease implementation of requirements

⇒ increased agility, faster time to market



Standard application platforms increase development efficiency

⇒ more value from investments



Strategic life cycle management supports timely introduction and phase-out of technology and applications

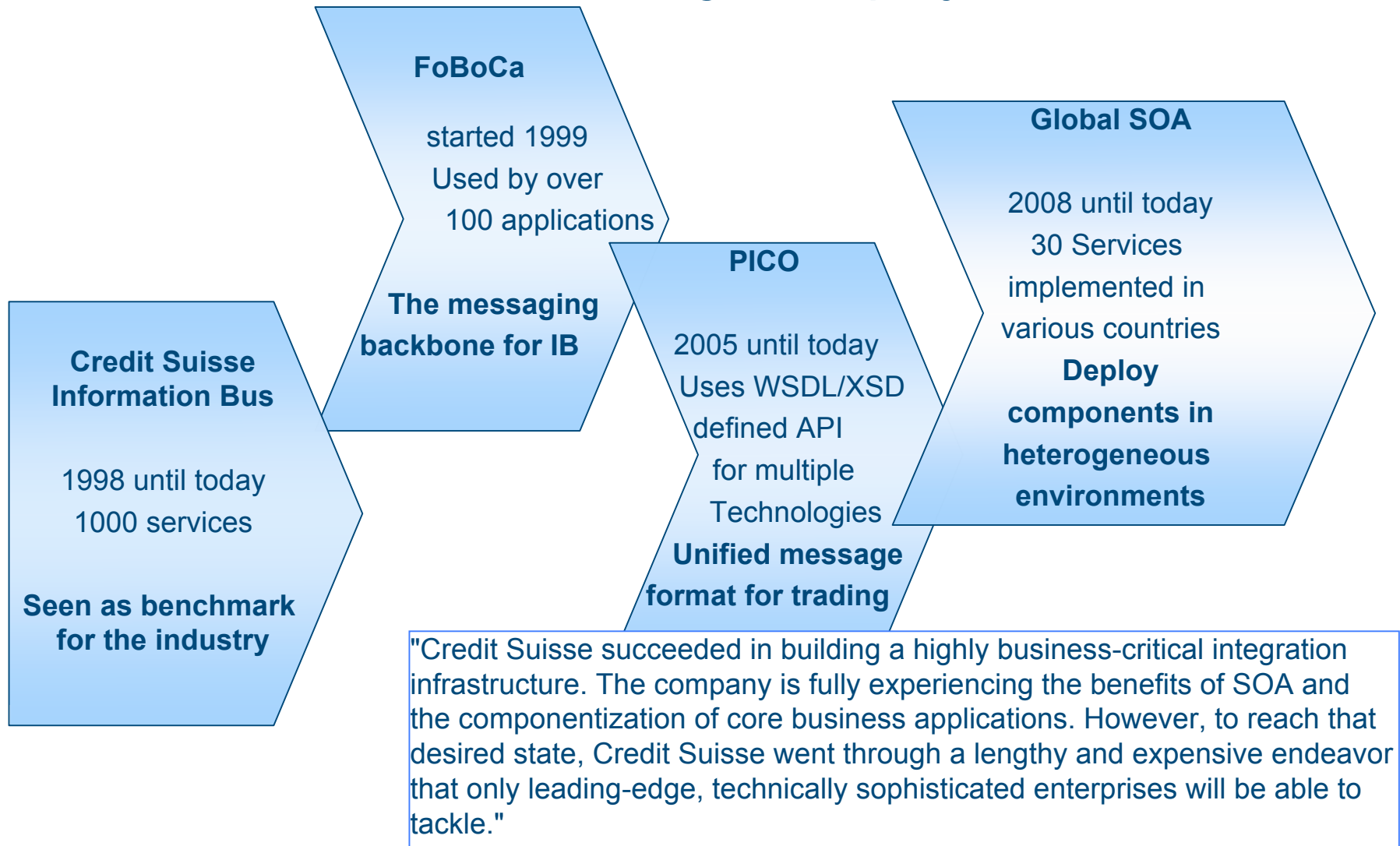
⇒ reduced risk



Predictable IT architecture preserves value of IT investments

⇒ manageable landscape and improved quality


Credit Suisse has been doing SOA projects since 1998



Gartner Group

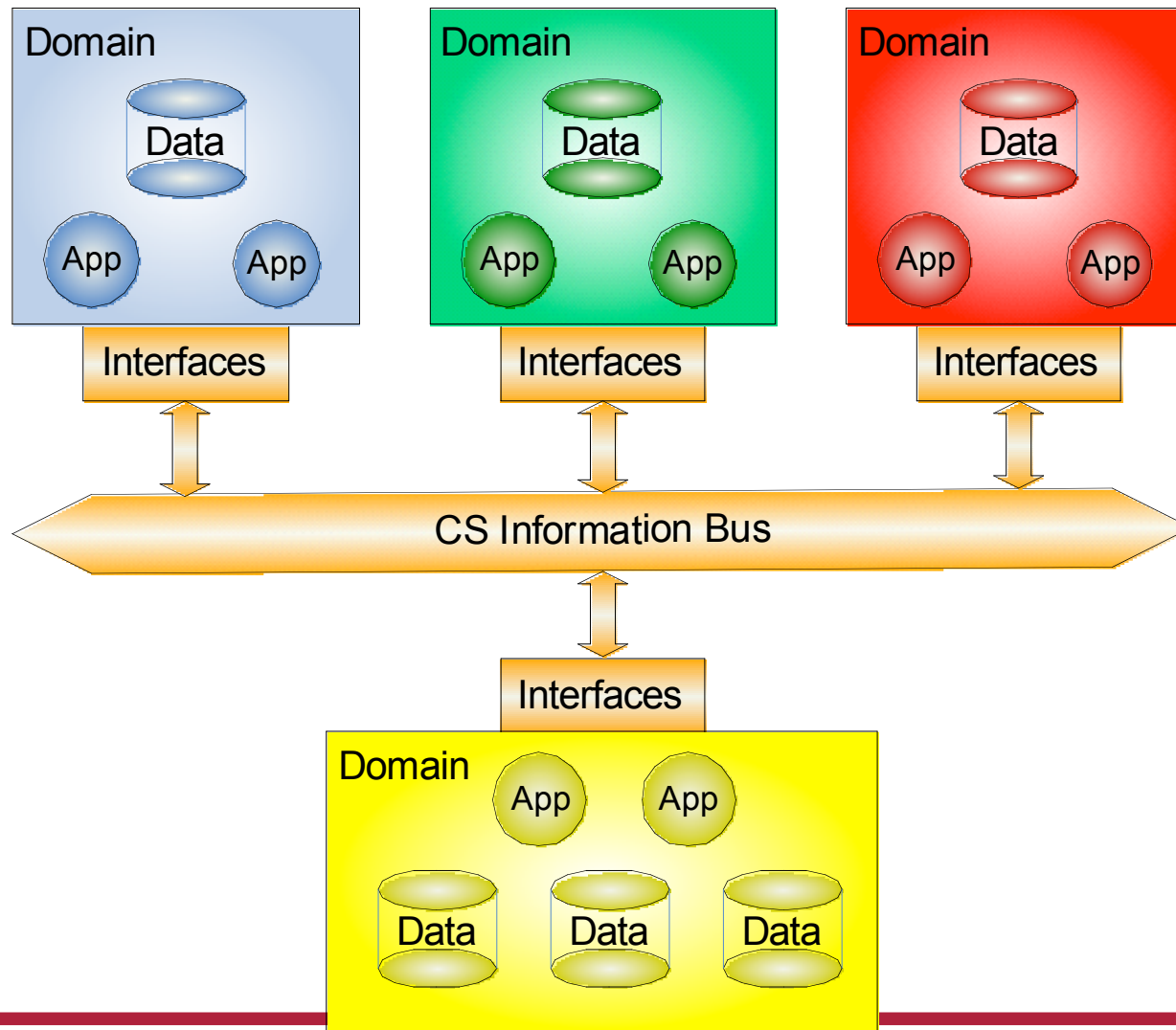
Now we are trying to adopt SOA comprehensively to solve the global integration problem and help enable evolution

- Global integration initiative based on SOA
 - Supports the OneBank Initiative
- Because SOA silos do not scale
 - SOA requires processes, skills, standards, collaboration
- Current example is the Trading Horizontal in the Investment Bank

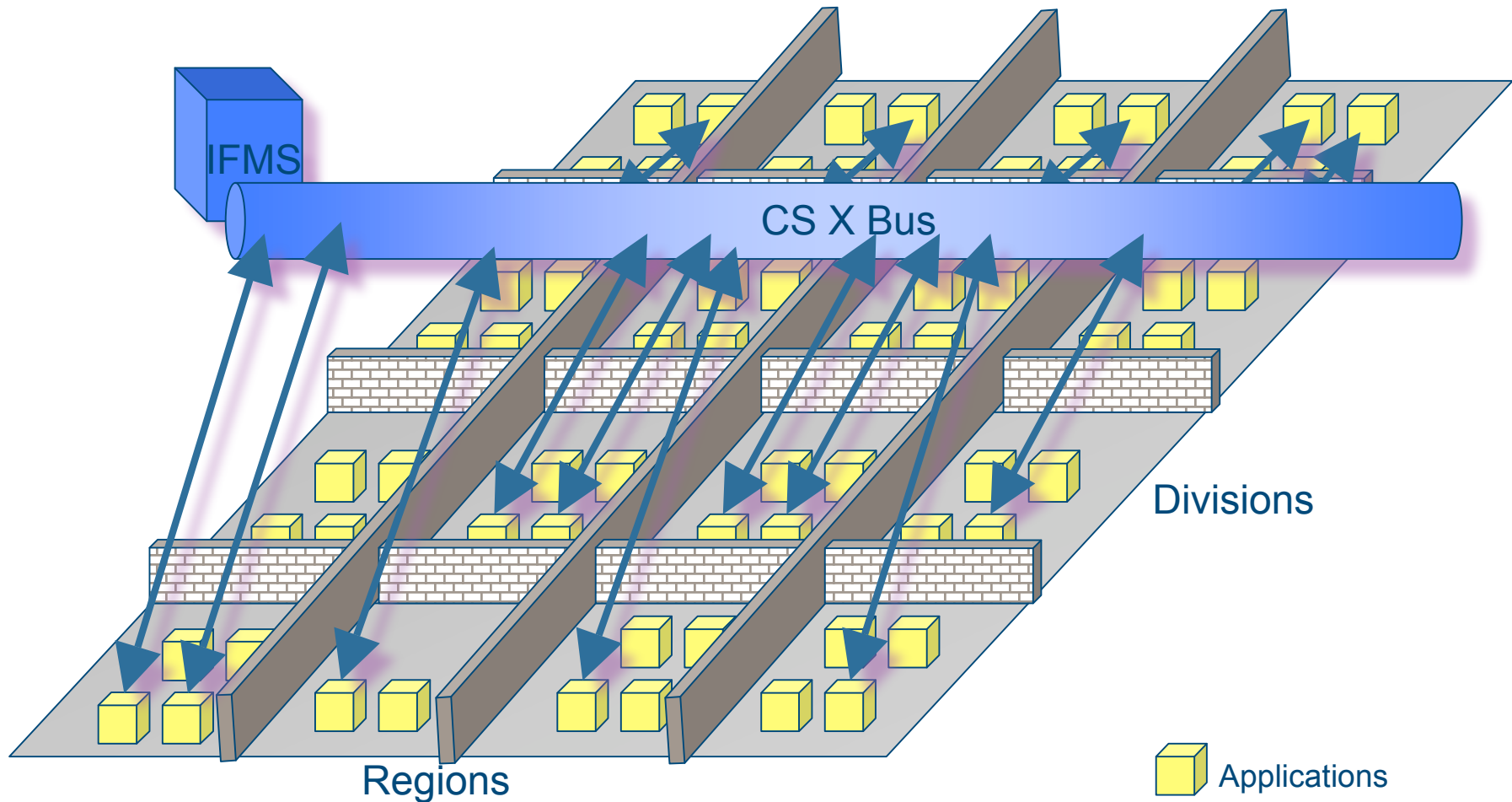


A common SOA approach provides scalability, best practices, a fastpath to SOA maturity, and a foundation for managed evolution

Basic SOA concept: Independent domains are high-level components coupled using services



Target End State: Domains Federated via Credit Suisse eXchange Bus (CSXB)



Summary

- Credit Suisse is a global bank with large, complex IT systems
- IT systems need to evolve to meet changing conditions
 - Competitive
 - Regulatory
 - Technological
- Integration architecture decomposes the problem
 - Managed interfaces for services
 - Independently evolve federated components
- Target solution is defined in terms of federated domains
 - Managed interfaces are intra- or inter-domain
 - Systems are categorized in a corporate domain model
- Data, Application, Infrastructure, Security, and Management Architectures also are needed
- Architecture initiatives are directly funded by CIO to improve IT