Accelerating Business Value Creation With Reusable Architectures

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HP WORLD 2003
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Learning Objectives

After hearing this presentation, you will know:

- How reusable architectures enable emerging computing models
- How reusable architectures lower total cost of ownership
- How Accenture and BEA teamed to implement the myBEA program in record time while reducing IT-related costs

Speaker's Background

Kevin Pollari, Partner at Accenture, Ltd

- J2EE lead, a $1+B practice area for Accenture. Includes key assets such as GRNDS architecture and the Accenture Platform Accelerator
- Recently led the definition of Accenture's technical architecture strategy, covering the next 1-3 years
- Cross-market clients in industries including communications, products and financial services
- 17 years with Accenture, MBA University of Chicago, BSEE Case Western Reserve University

Agenda

- Architecture for the Next Computing Models
- BEA Case Study
- The Value of Reusable Architectures in a J2EE Implementation Project

Architectures for the Next Computing Models

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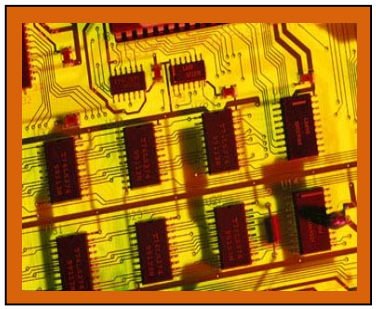
The Technology Landscape is Maturing Rapidly

- Technology Trends

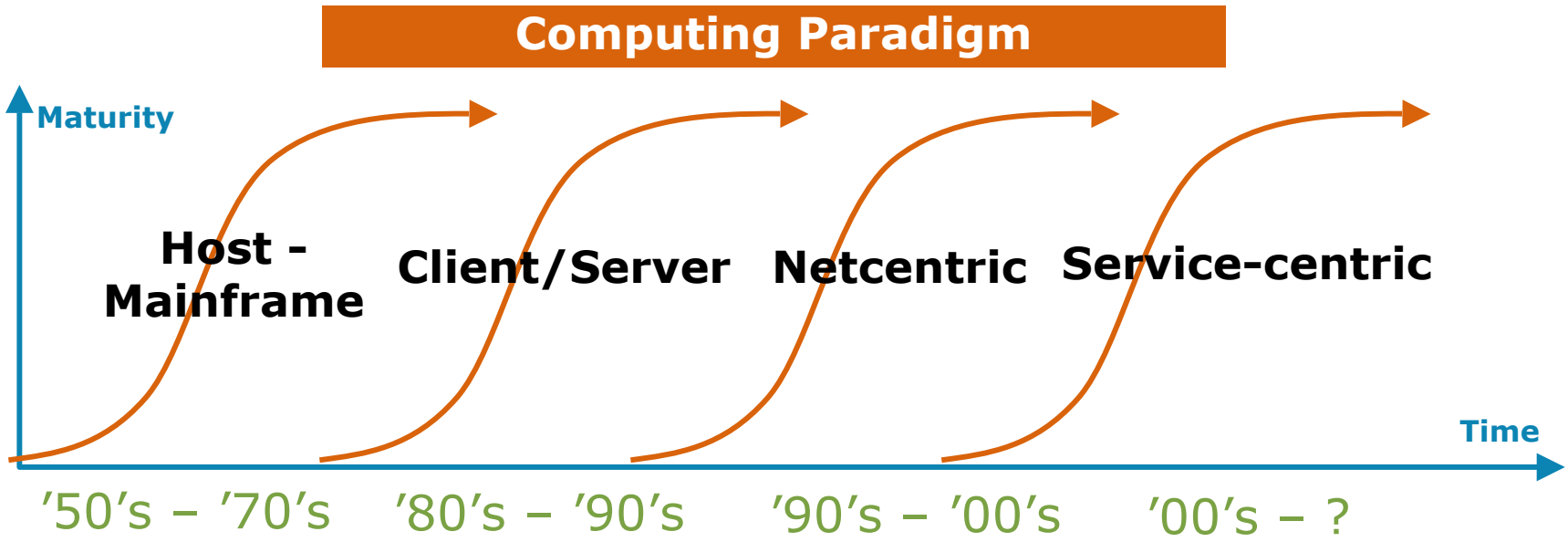


- Standardization

- Platform Convergence & Consolidation

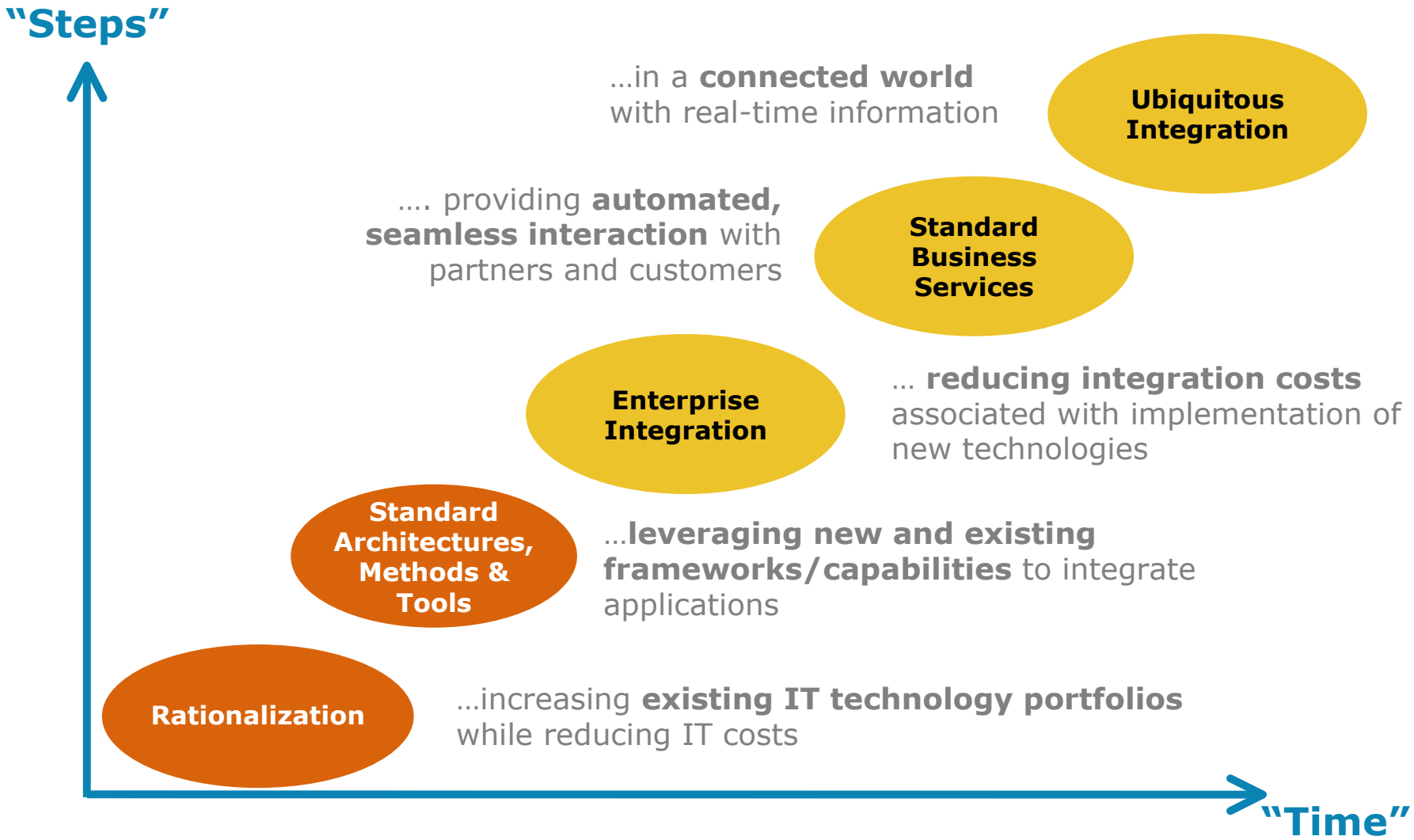
- Proliferation of devices and access

Enabling the Next Business Paradigms

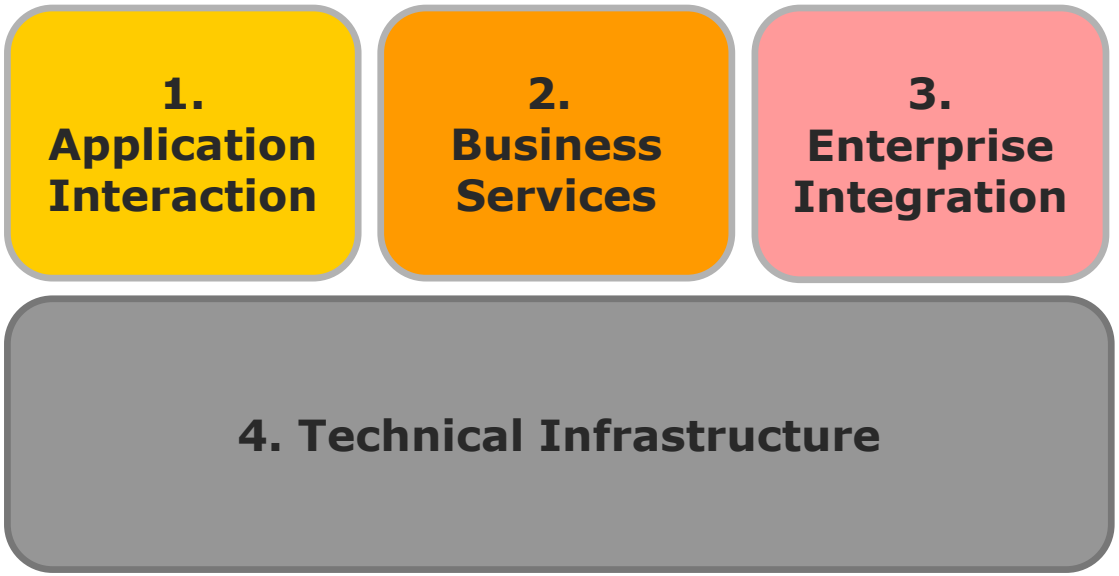


- **Service-centric Computing**
  - Composite applications
  - Capable of low-cost connectivity
  - Across multiple channels

Rationalizing Existing Capabilities and Adopting Standard Architectures



SOA to Expose Services From Multiple Systems



1. Users and devices will interact with **multiple real-time access channels**…
2. …to access business solutions made of **reusable services**…
3. …tied together with **ubiquitous integration**…
4. …all built on a **standardized technical infrastructure.**

Architecture Assets Are Key Enablers of Business Value

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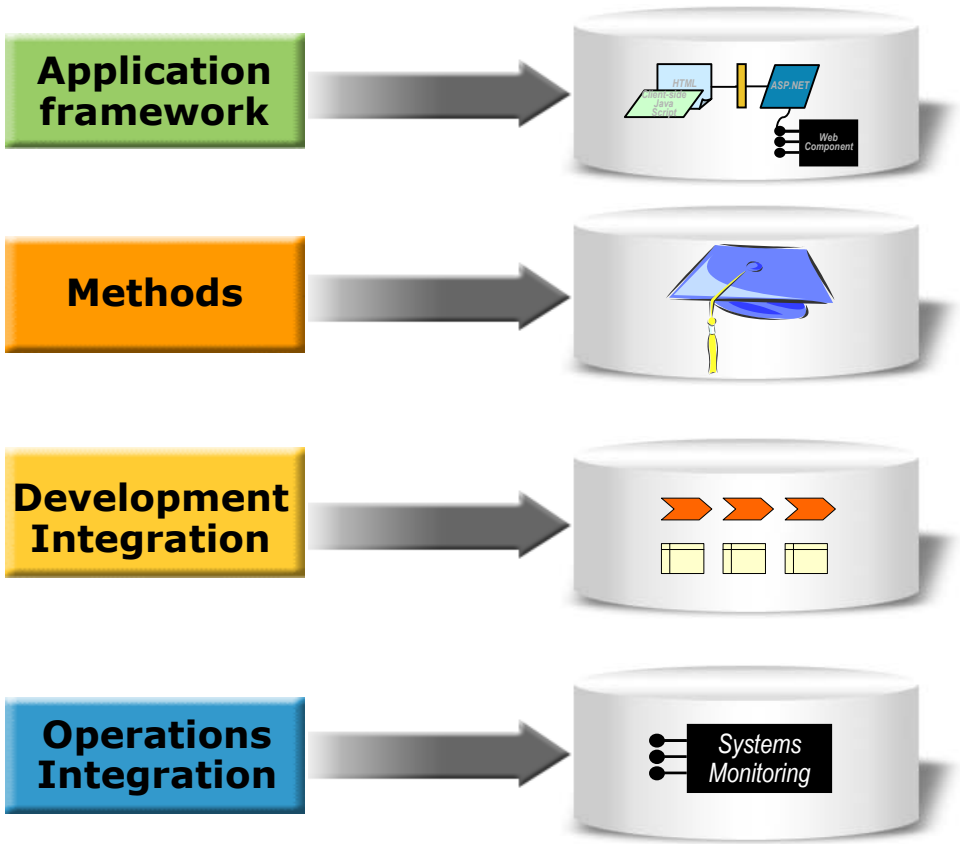
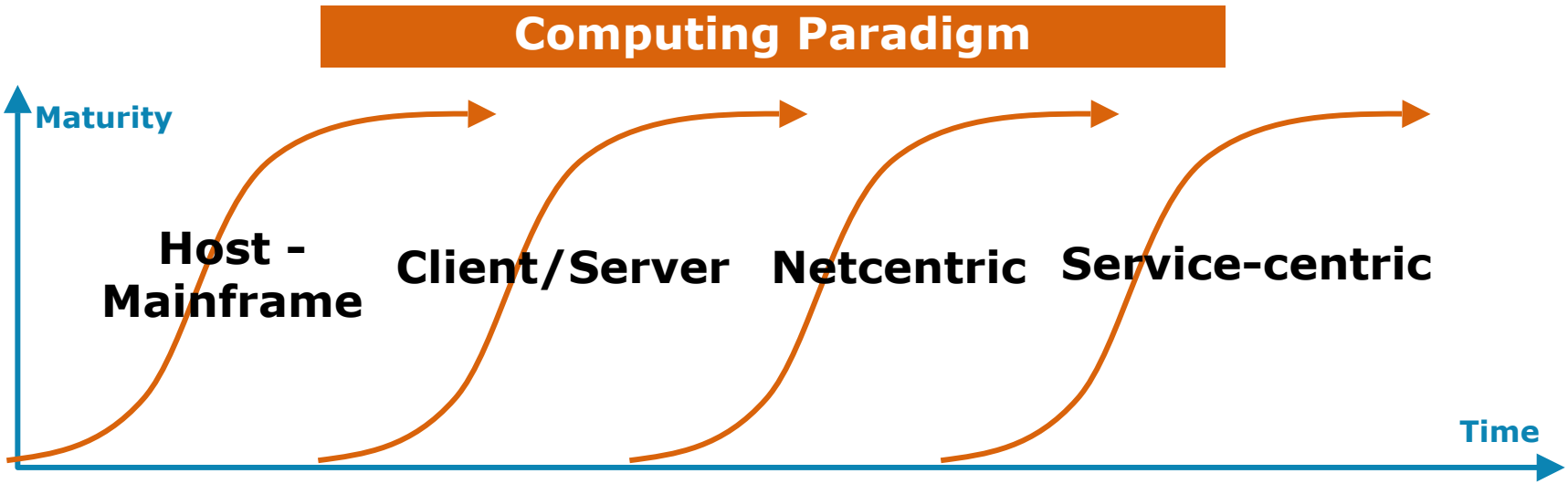
Architecture Assets



Their Benefits

- Reduced Costs
- Speed to Value
- Reduced Risk
- Flexibility to Future Needs

A Forward-Thinking Architecture Enabled by Powerful Reusable Assets



Tuxedo-architectures → GRNDS on WebLogic → **Platform Accelerator**

BEA IT

Architecture Strategy:"Infrastructure Centric Architecture"

Enabling Architecture Assets: "Platform Accelerator"

BEA Case Study

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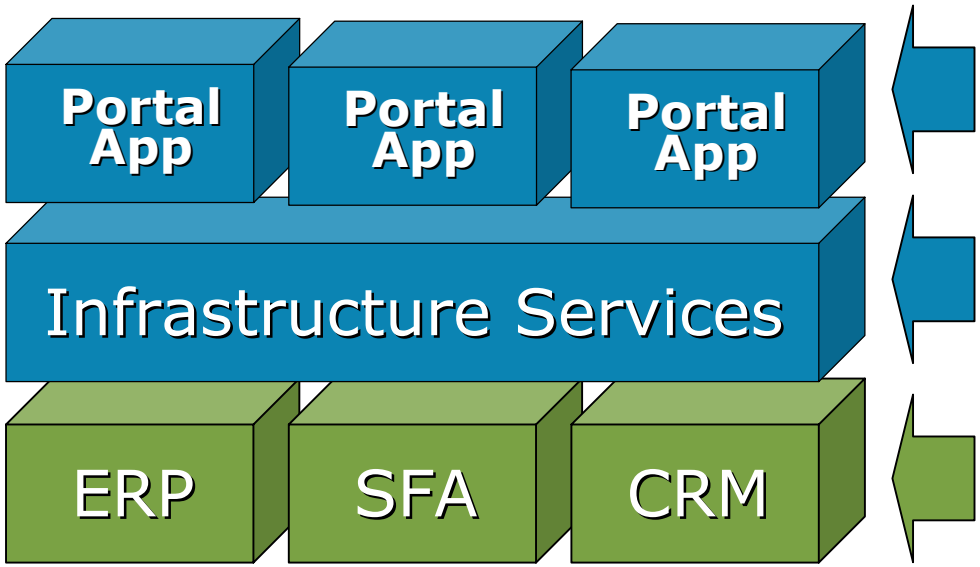
BEA's Application Development is Based on an Architectural Framework

- **BEA's Approach to Enterprise Application Architecture**



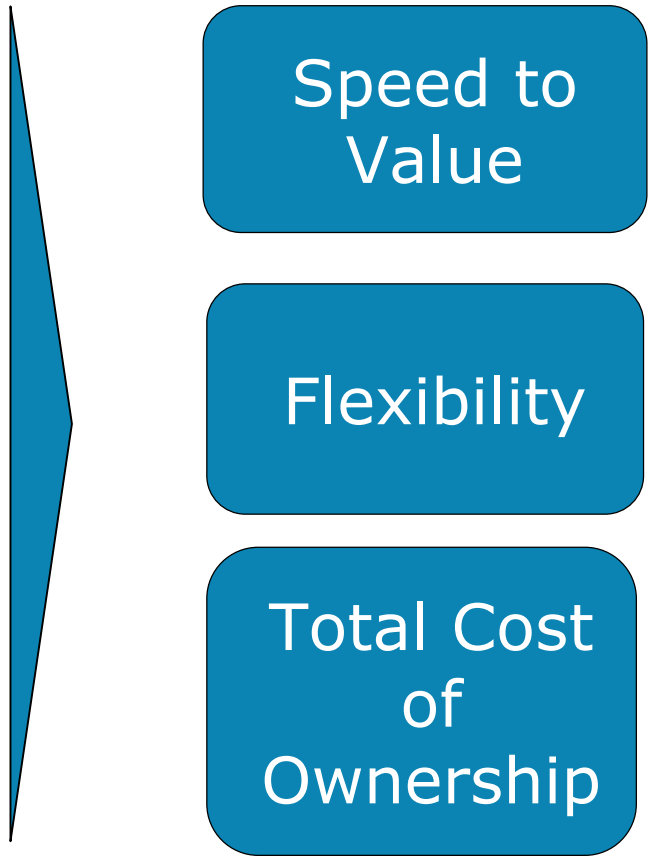
BEA WebLogic Platform
3rd Party Applications

- Custom portal applications – where we need to differentiate
- Infrastructure Services to integrate and extend
- Exposes business services

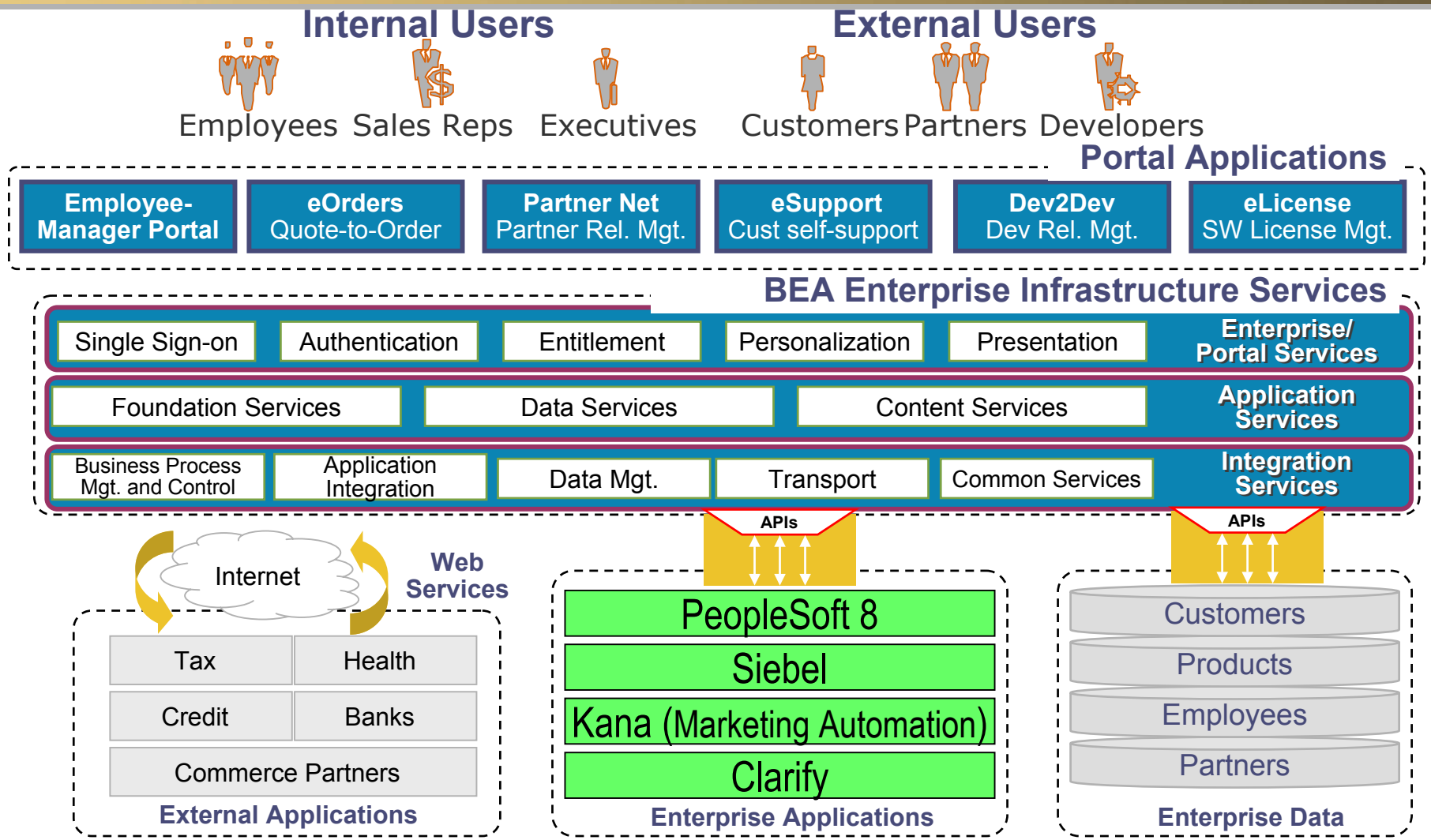
- Vanilla implementations of industry standard core applications
- Highly efficient to implement, upgrade, or replace

An Architectural Approach For Creating Business Value

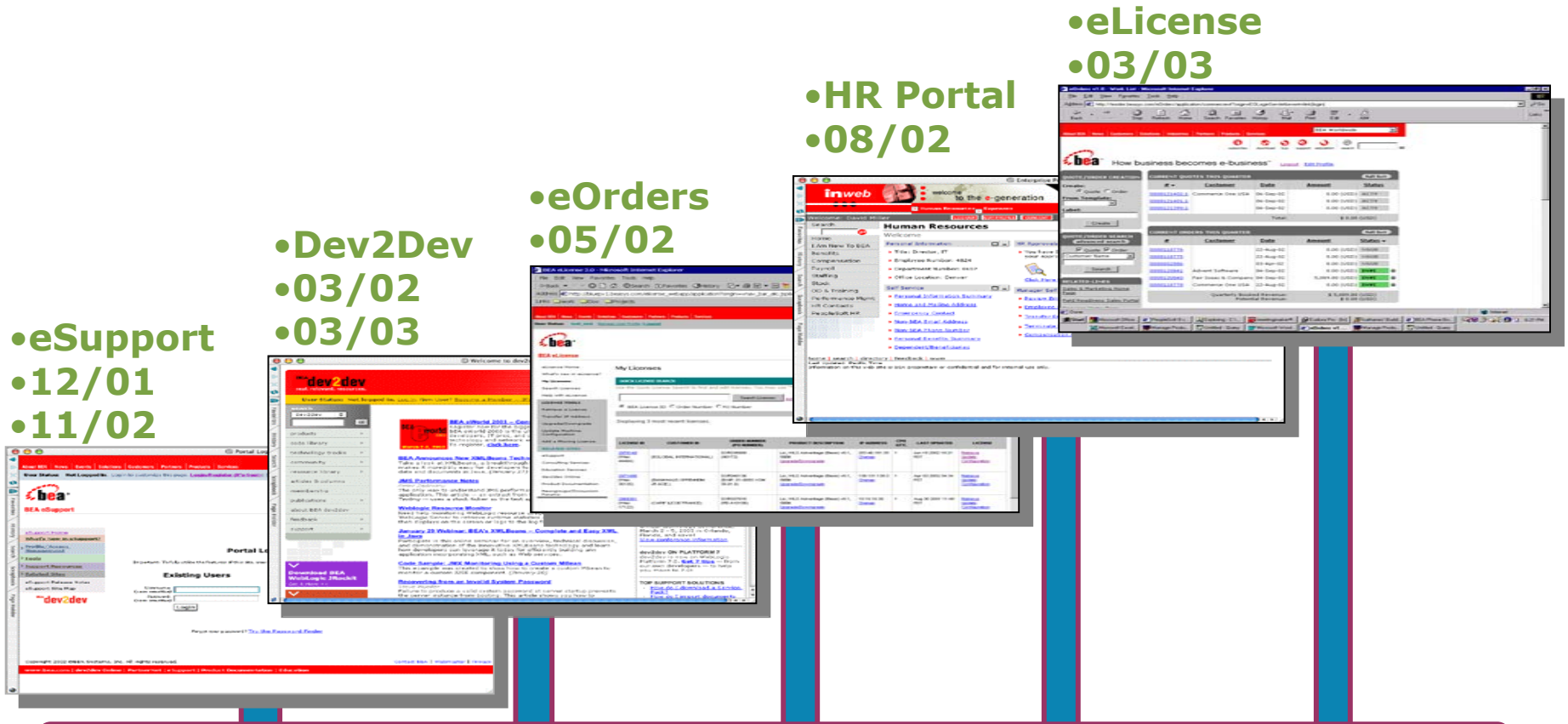
- Enterprise Architecture Philosophy
  - Ability to Differentiate
  - Control of Architecture
  - Development Efficiency and Speed
  - Low Cost of Core Enterprise IT Apps
  - Optimized IT Skill Set



The Architecture

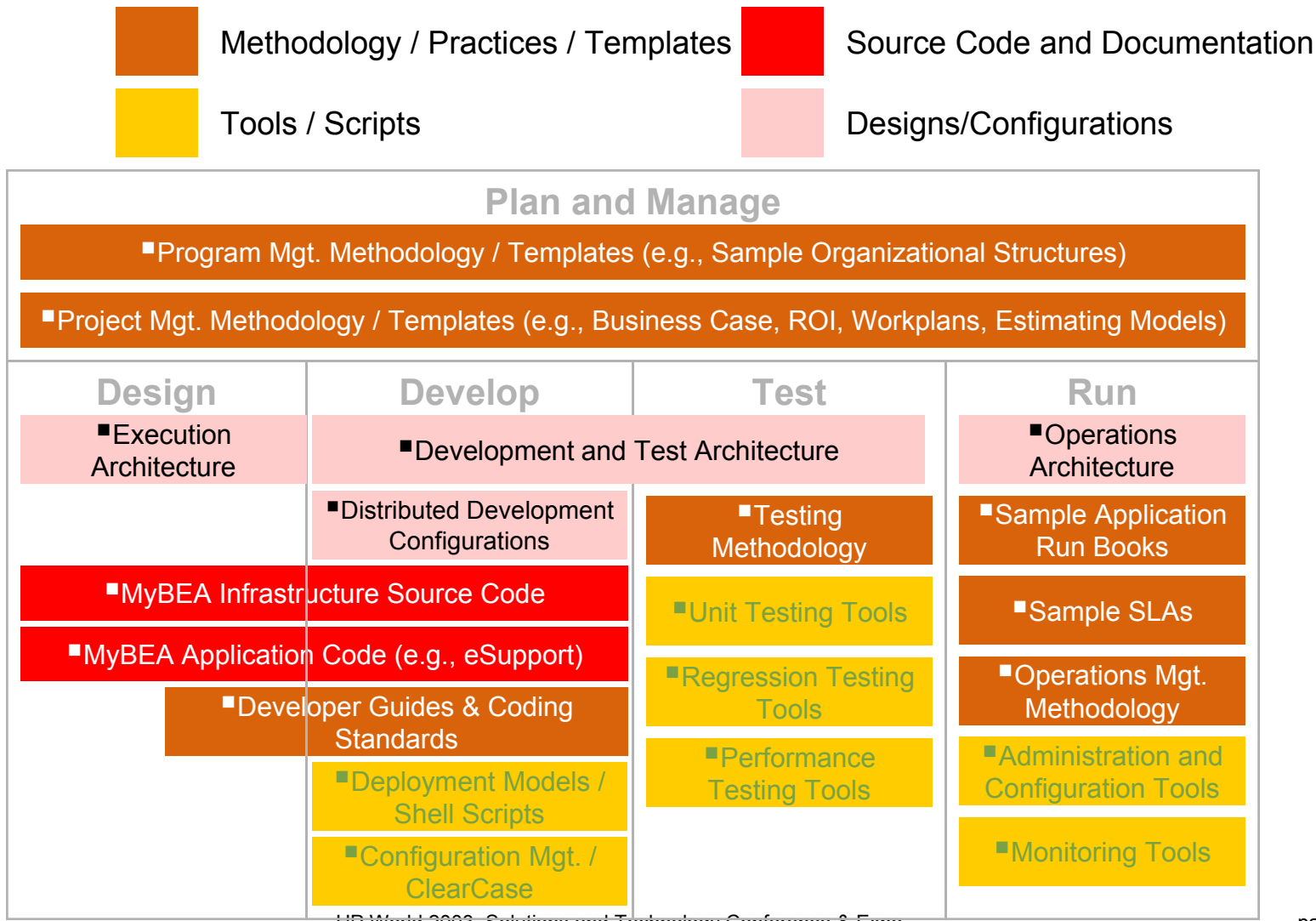


The Delivery Program



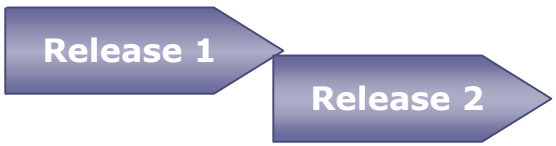
Set of Assets to Facilitate the Entire Application Lifecycle

Delivery Assets and Application Lifecycle

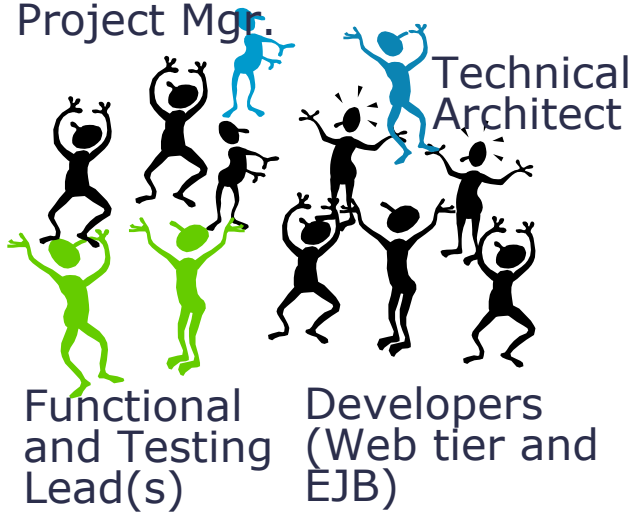


A Standard Delivery Model for eBusiness Projects

Quarterly release cycle



12 people team size



- 12x4 Delivery Model and Benefit
  - Higher likelihood of project success
  - More effective teams
  - Smoother integration with MyBEA program resources
  - Synchronization with budgeting cycle

The Benefit Has Been Remarkable

Efficiency	**$5.5 M** savings in application development and **$2.2 M** savings in supporting functions
Speed	**50%** reduction in development time for new applications and most **releases in 4 months**
Predictability	50,000+ development man-hours delivered with **less than 3% schedule variance** and $20M+ implementation costs **within 1% of budget**
Quality & Performance	100% of apps released with **zero known functional defects**
IP and Skills	Depth of **skills/institutional knowledge in standards**

The Value of Reusable Architectures in a J2EE Implementation Project

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Extending the Value of Reusable Architectures

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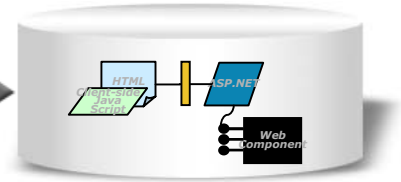
Accenture Platform Accelerator

Application framework

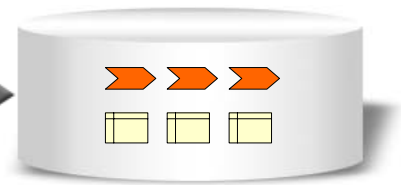


- Leverages **end-to-end WebLogic Platform**
- **Application layering** model
- **Reusable code**, standard technical **services**

Methods

- **Lower-level methodology enhancements**
- **Standard design patterns, developer guides**
- **Reference Applications and training**

Development Integration



- **IDE Integration**
- **Application Design and Configuration scripts**
- **Development** environment **guides**

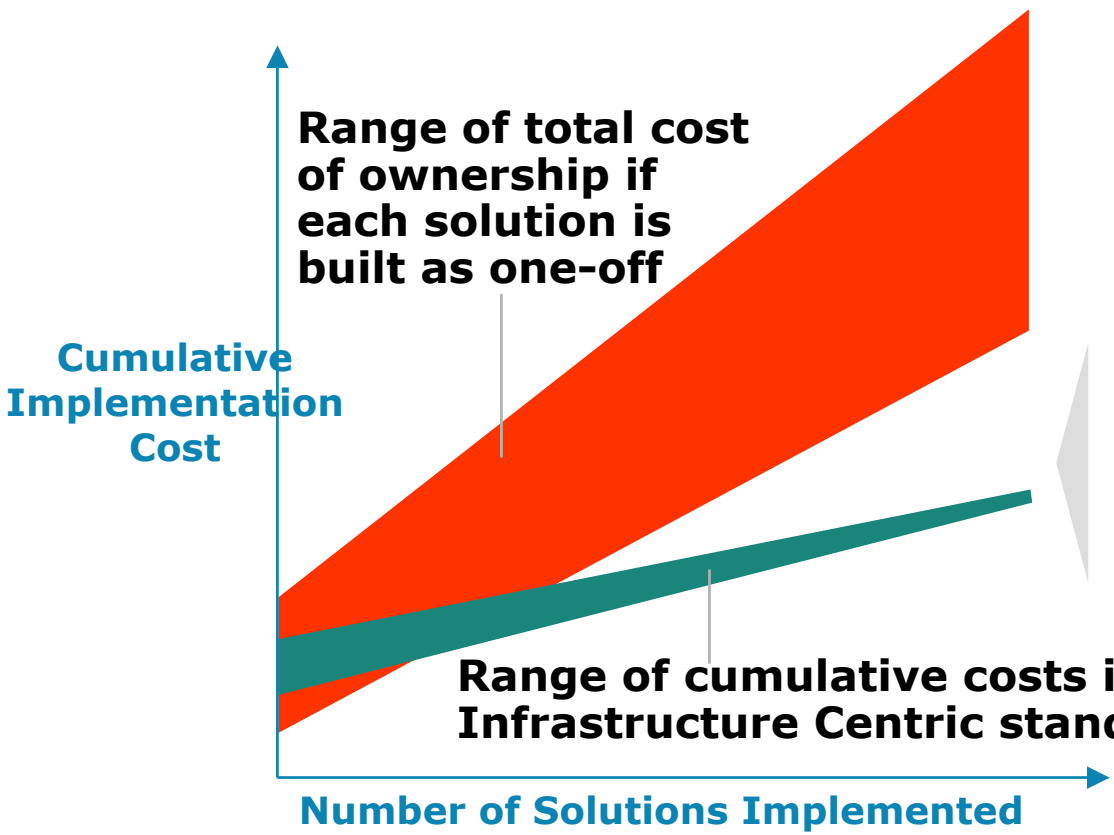
Operations Integration

- **Operations management, monitoring** integration
- **Scripts and interfaces** to Panacea and BMC **Standard SLAs**, run books and methods

Improves cost of ownership and speed to value

ILLUSTRATIVE

J2EE Solution Implementation Costs – Platform Accelerator vs. One-off Approach



- Low risk
  - –smaller spending variances per project
- Lower cost
  - –25%-50% lower cost through re-use of code, methodology, etc.

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