



IBM SOA PoT

C1040 BPM Overview

Technical Overview



Agile Businesses require dynamic Process change



React Quickly to the Unexpected

Market-leading cell-phone provider suffered severe financial losses after fire in manufacturing plant. Processes were not agile enough to respond quickly

Accomplish Long-Term Success Goals

A large Insurance company, with \$5.5 billion in gross written premiums, needed to automate their new business acquisition process. They delivered it in 6 months, expect 3-4% increase in gross premiums written driving top-line growth. To date they have recorded 52% asset reuse.*

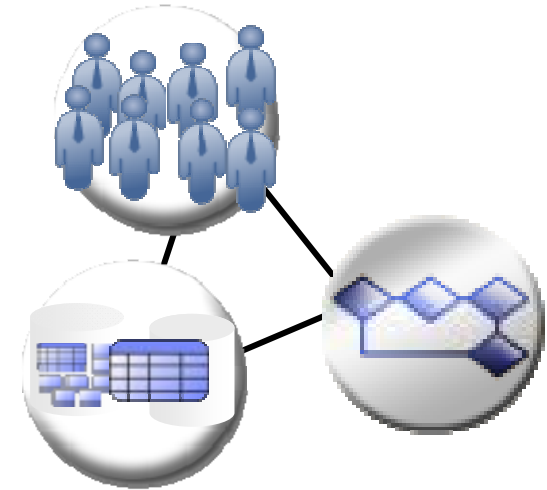


Avoiding supply chain disruption

Strengthening partner relationships

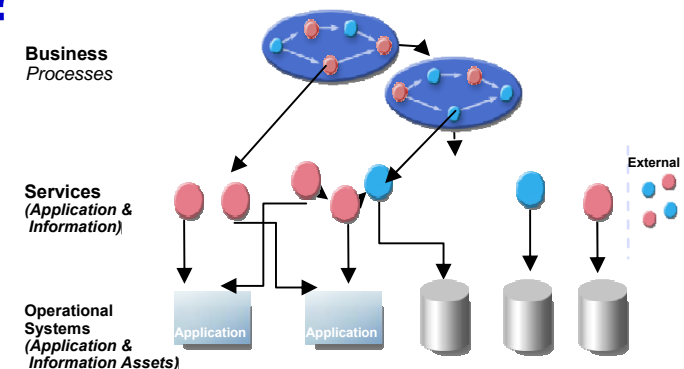
What is Business Process Management?

BPM is a *discipline* combining software capabilities and business expertise through people, systems, and information to accelerate time between process improvements, facilitating business innovation



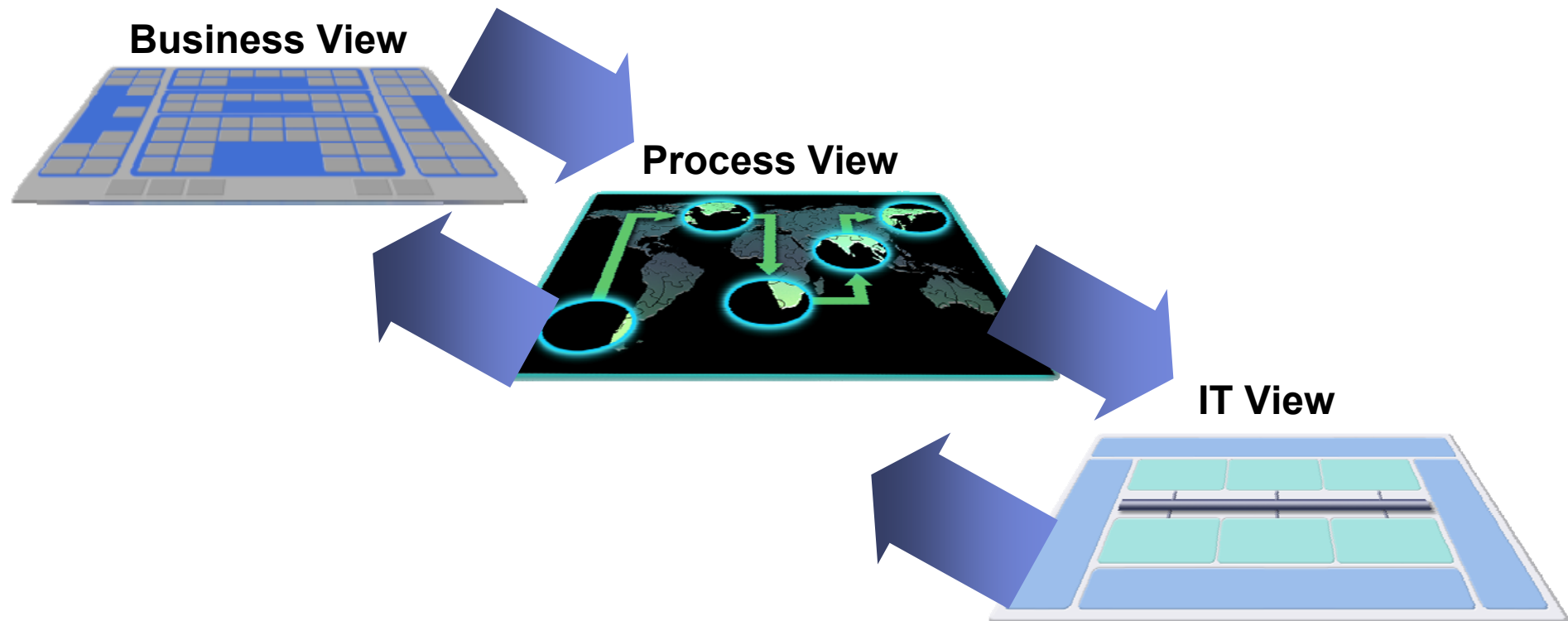
What does BPM with SOA provide?

BPM with SOA provides process flexibility by improving how you design, manage, and optimize your business processes and reuse existing assets.



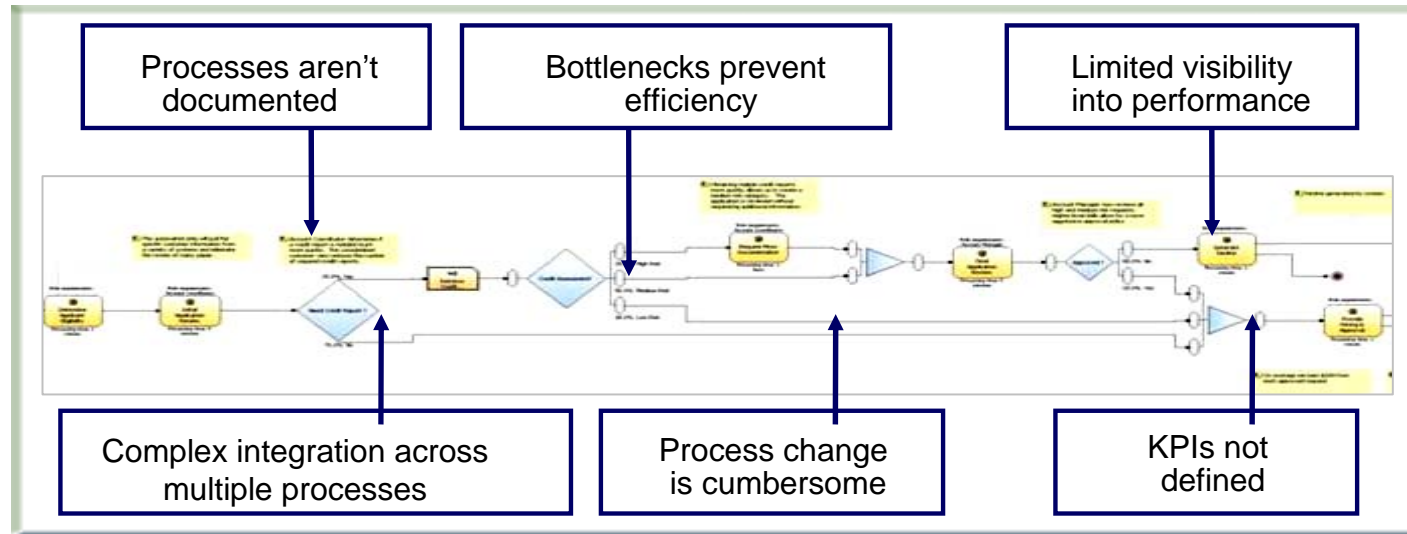
BPM – Holistic Approach to Innovation and Optimization

Globally aligning your Strategy with Business and IT Execution

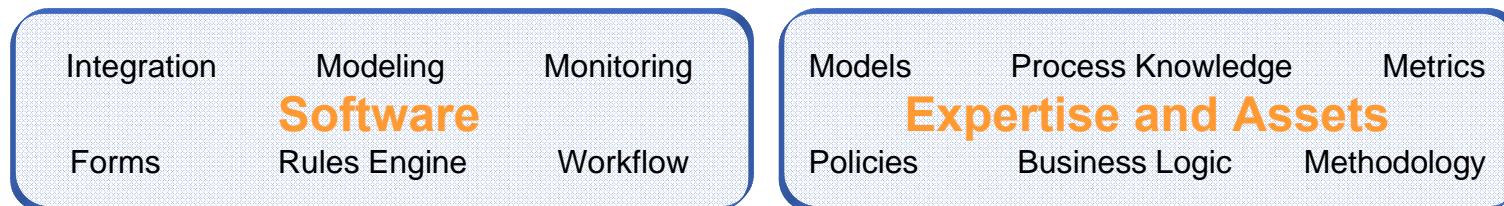


Business Process Management is a Discipline...

BPM solves common business challenges . . .

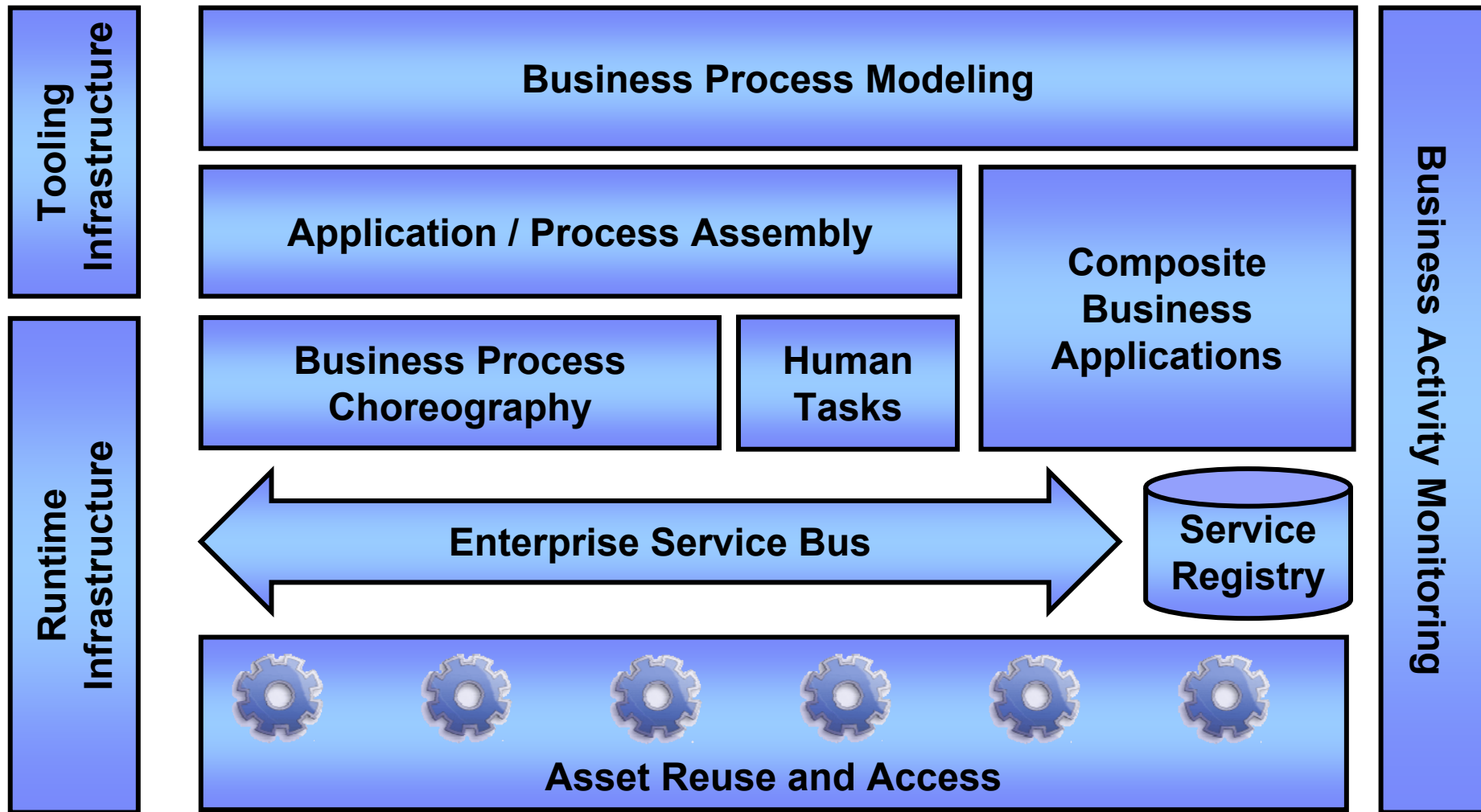


BPM Includes

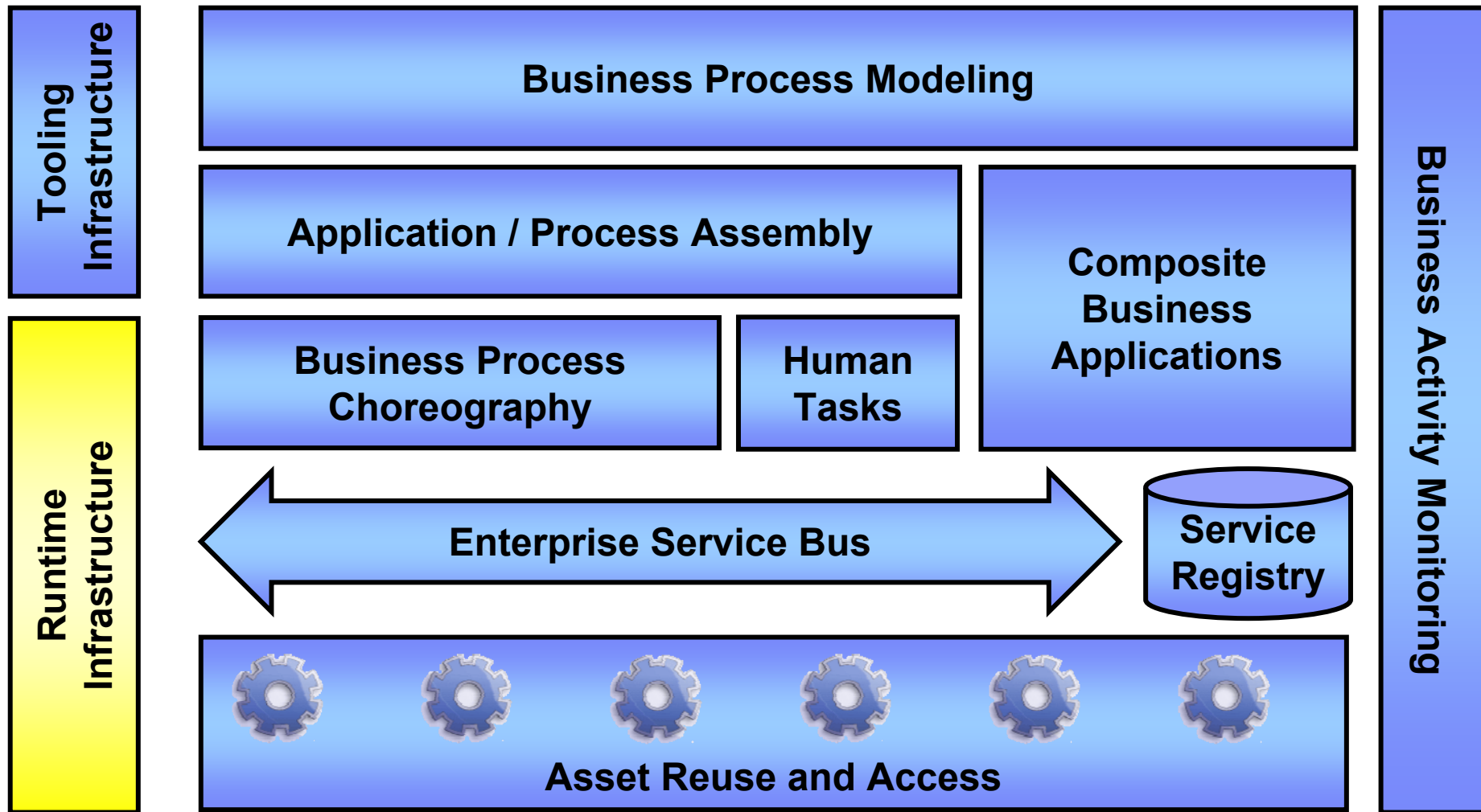


BPM governs organizational and operational activities

Components of a Complete SOA-based BPM Platform

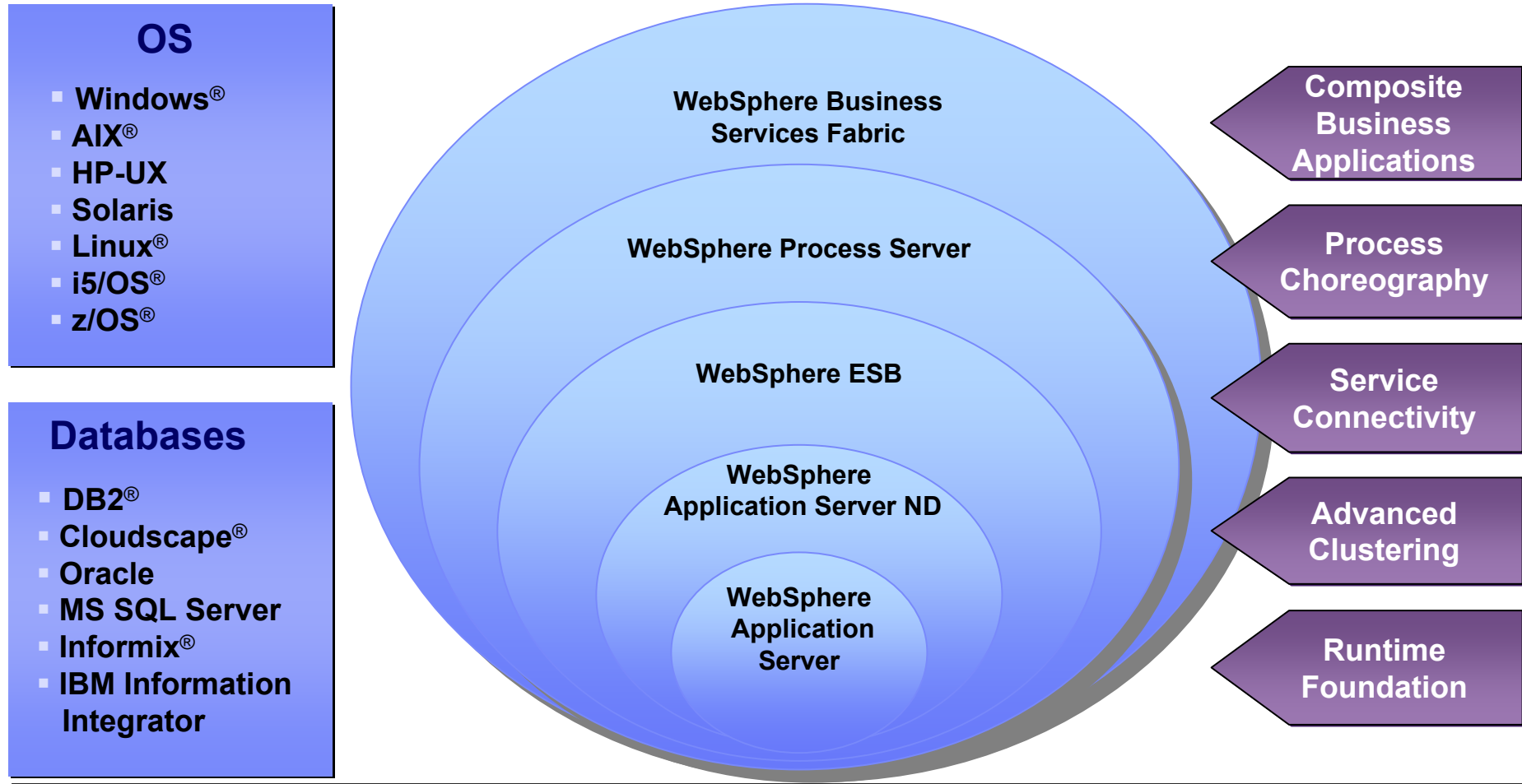


Components of a Complete SOA-based BPM Platform



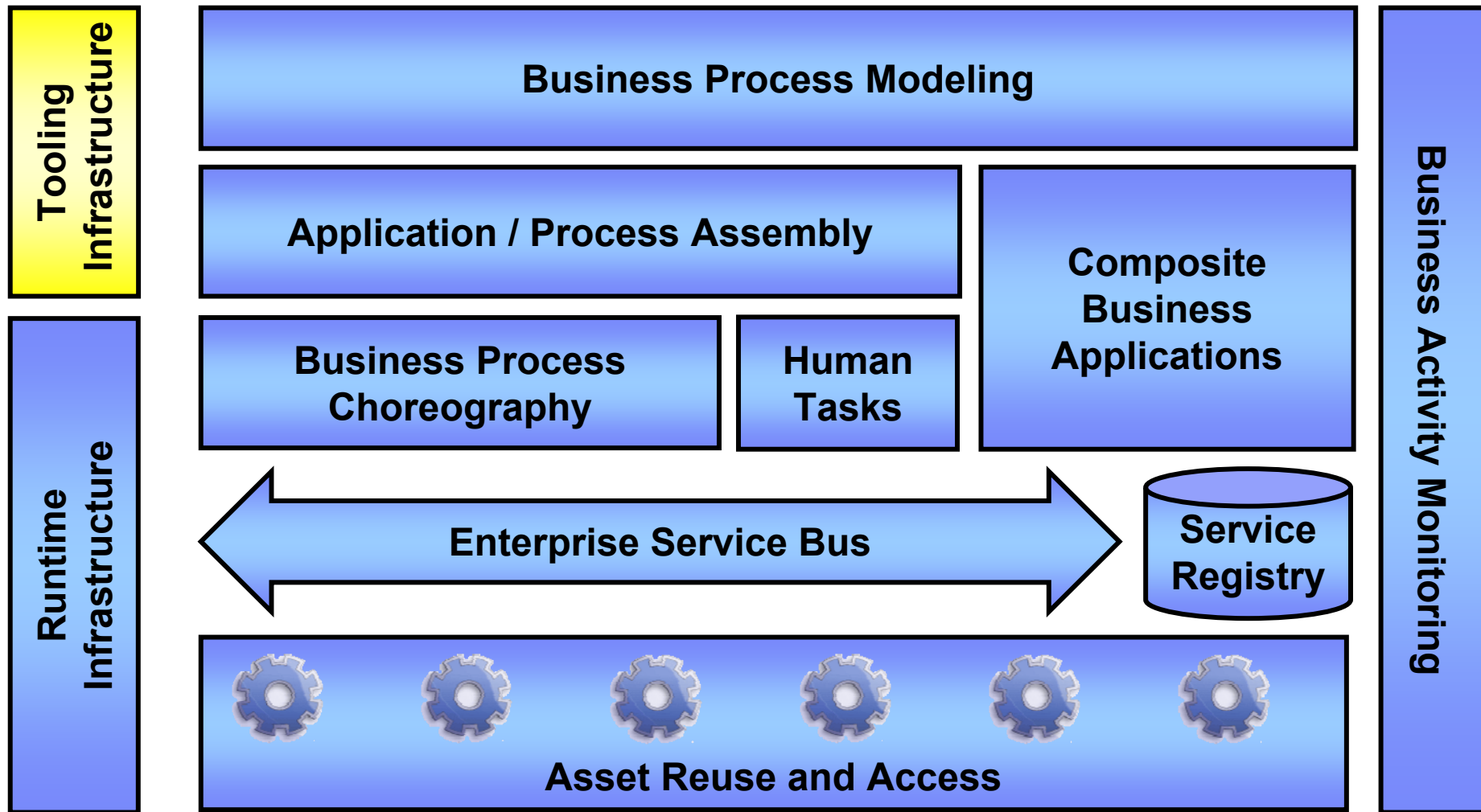
WebSphere BPM Runtime Stack

Based on WebSphere Application Server 6.1



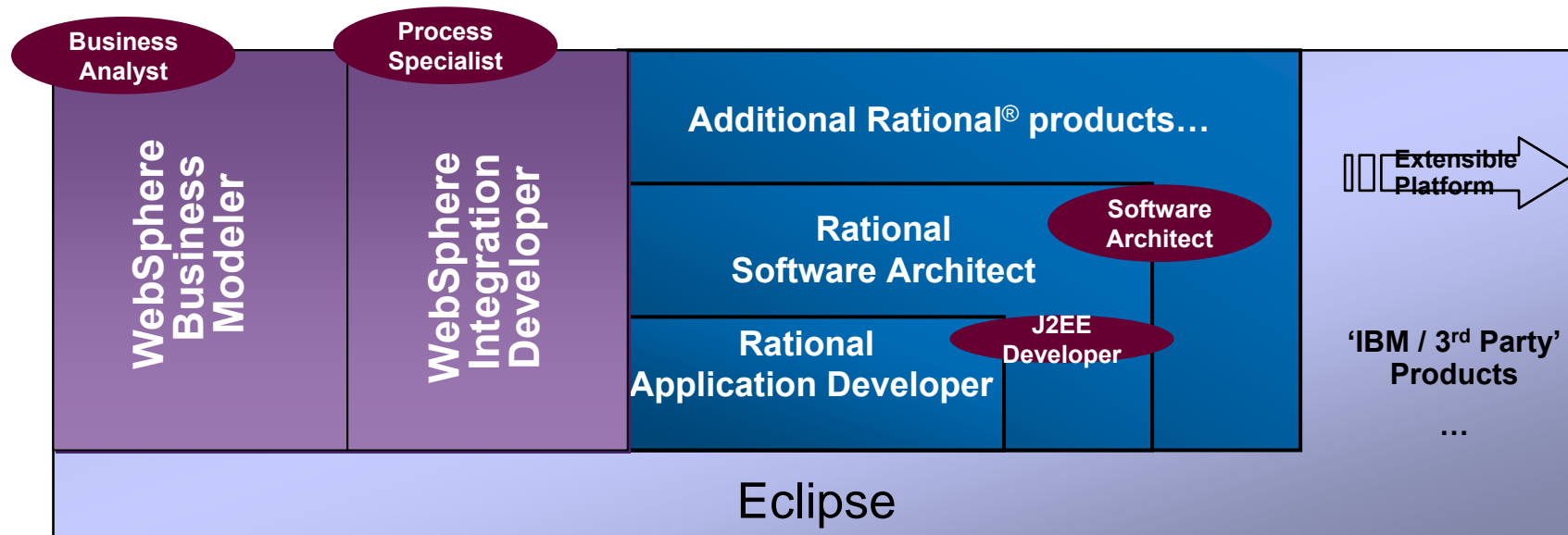
All with common administration reusing existing skills

Components of a Complete SOA-based BPM Platform



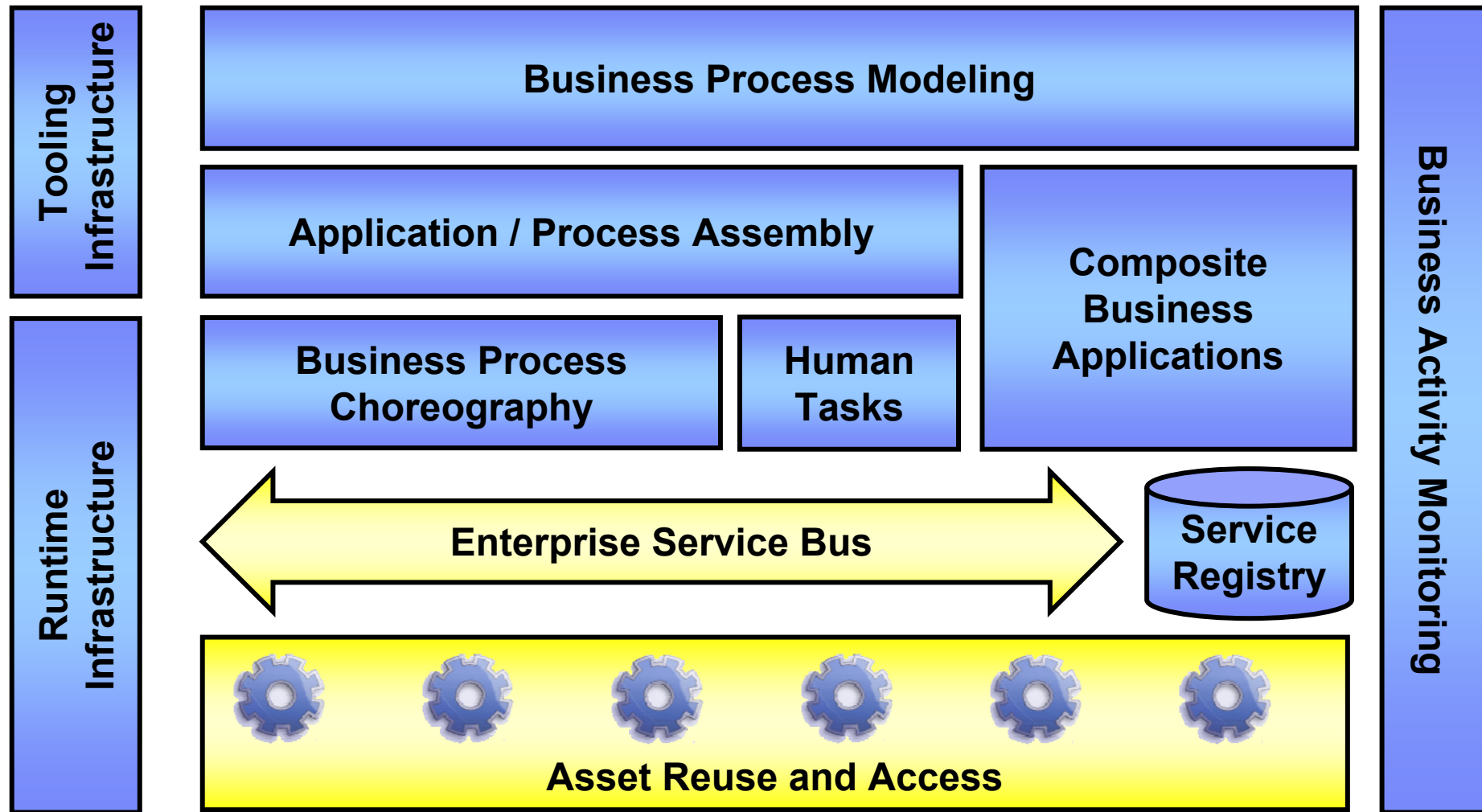
WebSphere Tooling Portfolio

Extensible tooling platform built on Eclipse

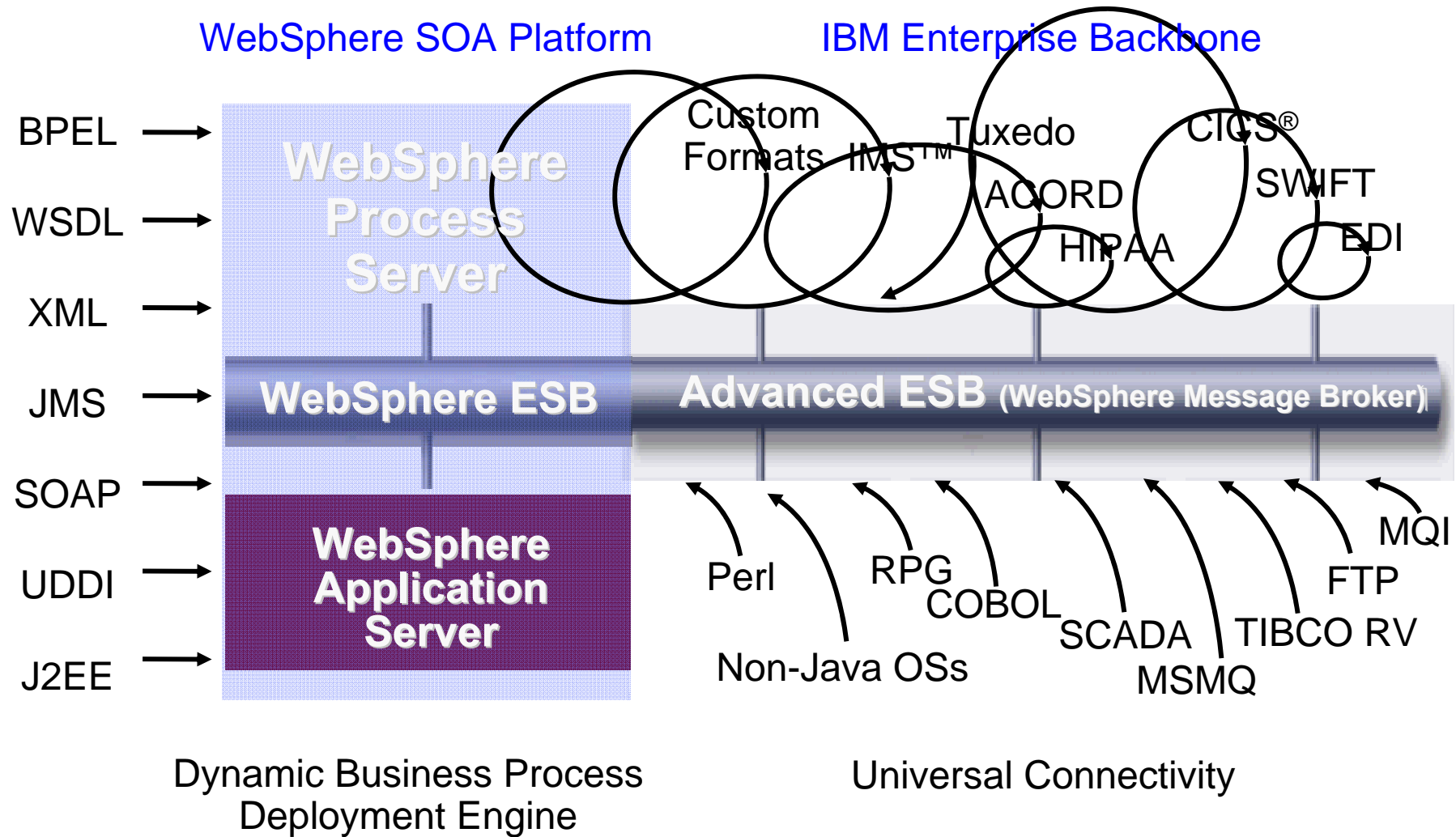


- All IBM Software Development platform products install in a consistent and extendable way within the 'platform'
 - ▶ First Product installs the 'platform' as well as it's own product-specific 'installable units'
- Role-based tool approach, experienced as single integrated "desktop" IDE
- Reuse of RAD and Eclipse components ('installable units') is baked into the design

Components of a Complete SOA-based BPM Platform



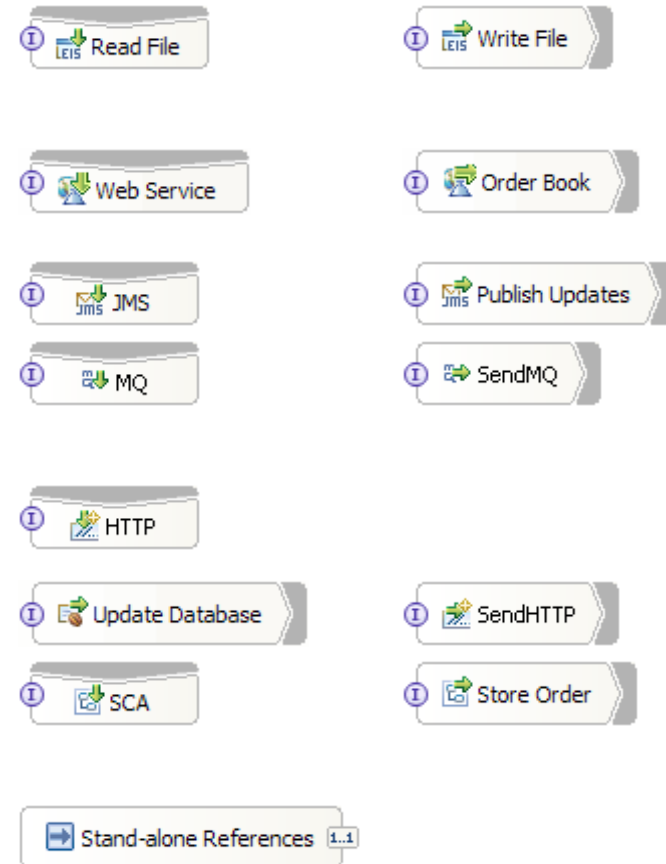
Unparalleled Connectivity for the Enterprise



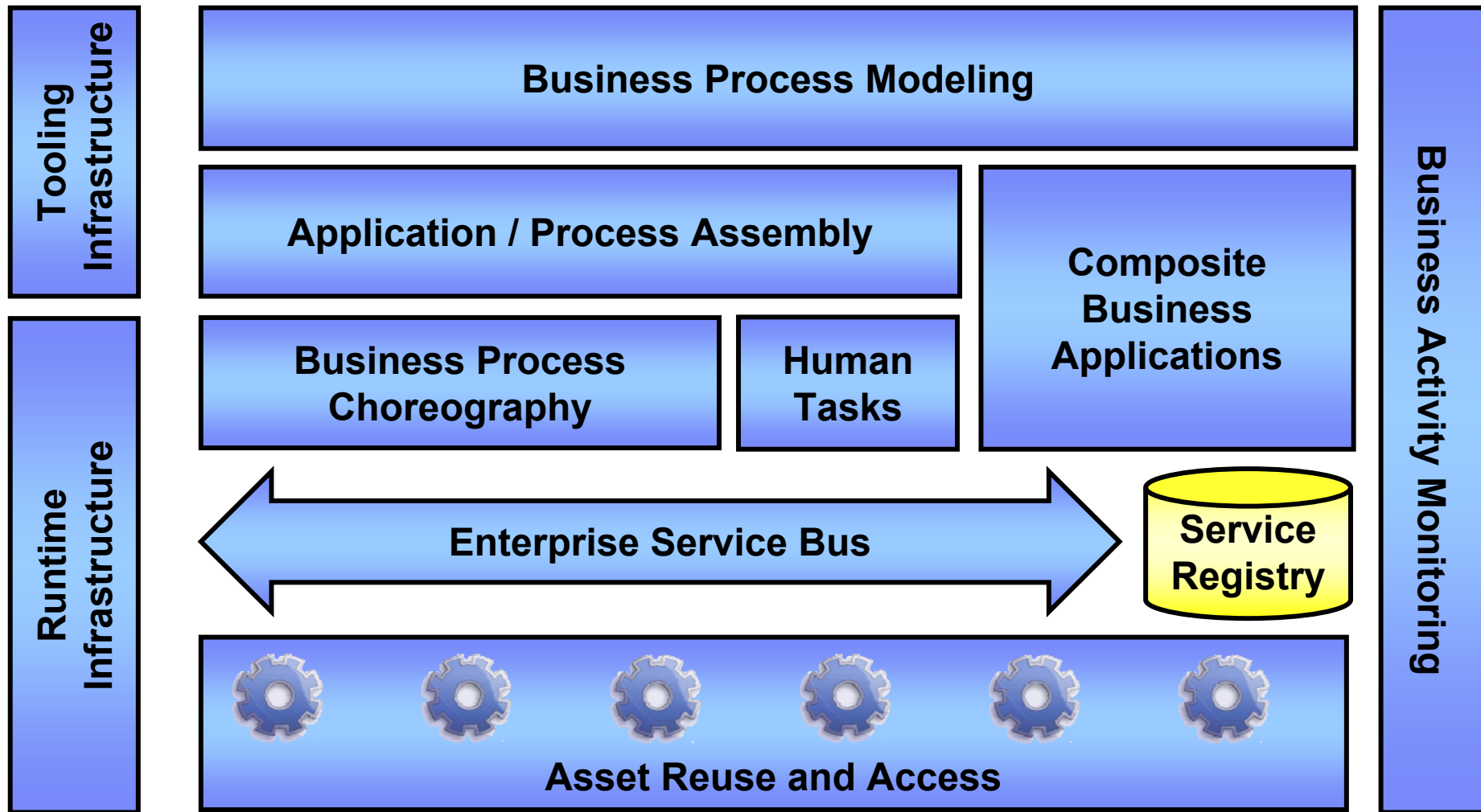
Reusing existing Assets

Rich Capability to access Existing Assets

- **Adapters**
 - ▶ Technology Adapters (Database, Flat File, ...)
 - ▶ Application Adapters (SAP, Siebel, ...)
- **Web Services**
 - ▶ SOAP over HTTP, SOAP over JMS
- **Messaging**
 - ▶ JMS or WebSphere MQ
 - ▶ Point-to-Point and Publish/Subscribe
 - ▶ WebSphere, WebSphere MQ, WebSphere MQ JMS, 3rd party JMS
- **HTTP**
 - ▶ XML over HTTP connection
- **EJB (Session Beans)**
- **SCA**
 - ▶ Connect modules to each other without exposing the interface outside of WebSphere Process Server
- **Standalone Reference**
 - ▶ Enables an SCA API Client to call a Module



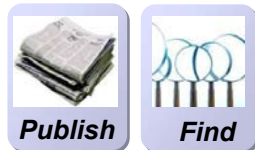
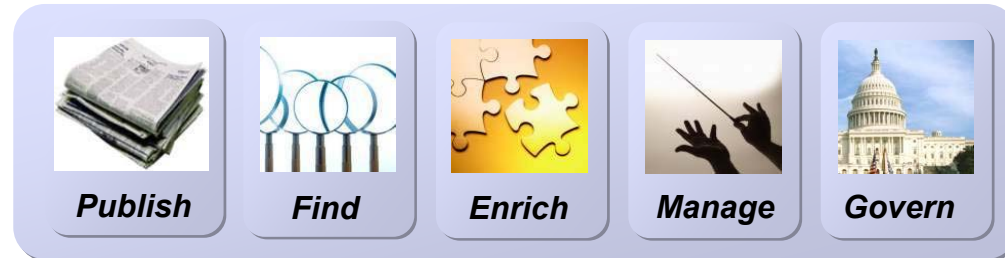
Components of a Complete SOA-based BPM Platform



WebSphere Service Registry and Repository

Provides Value throughout the SOA Lifecycle

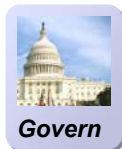
WebSphere Service Registry and Repository



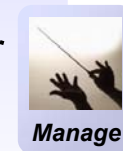
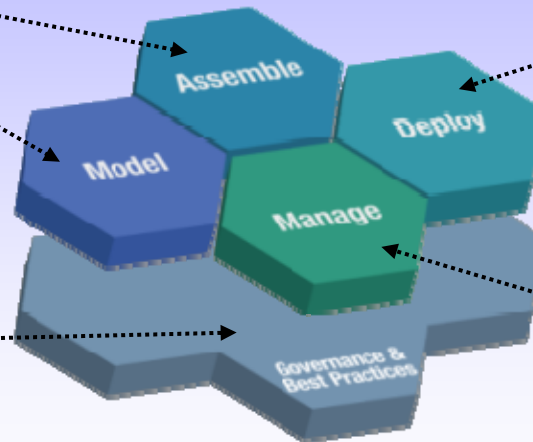
Encourage Reuse
Find and reuse services for building blocks for new composite applications.



Enhance Connectivity
Enable dynamic and efficient interactions between services at runtime.

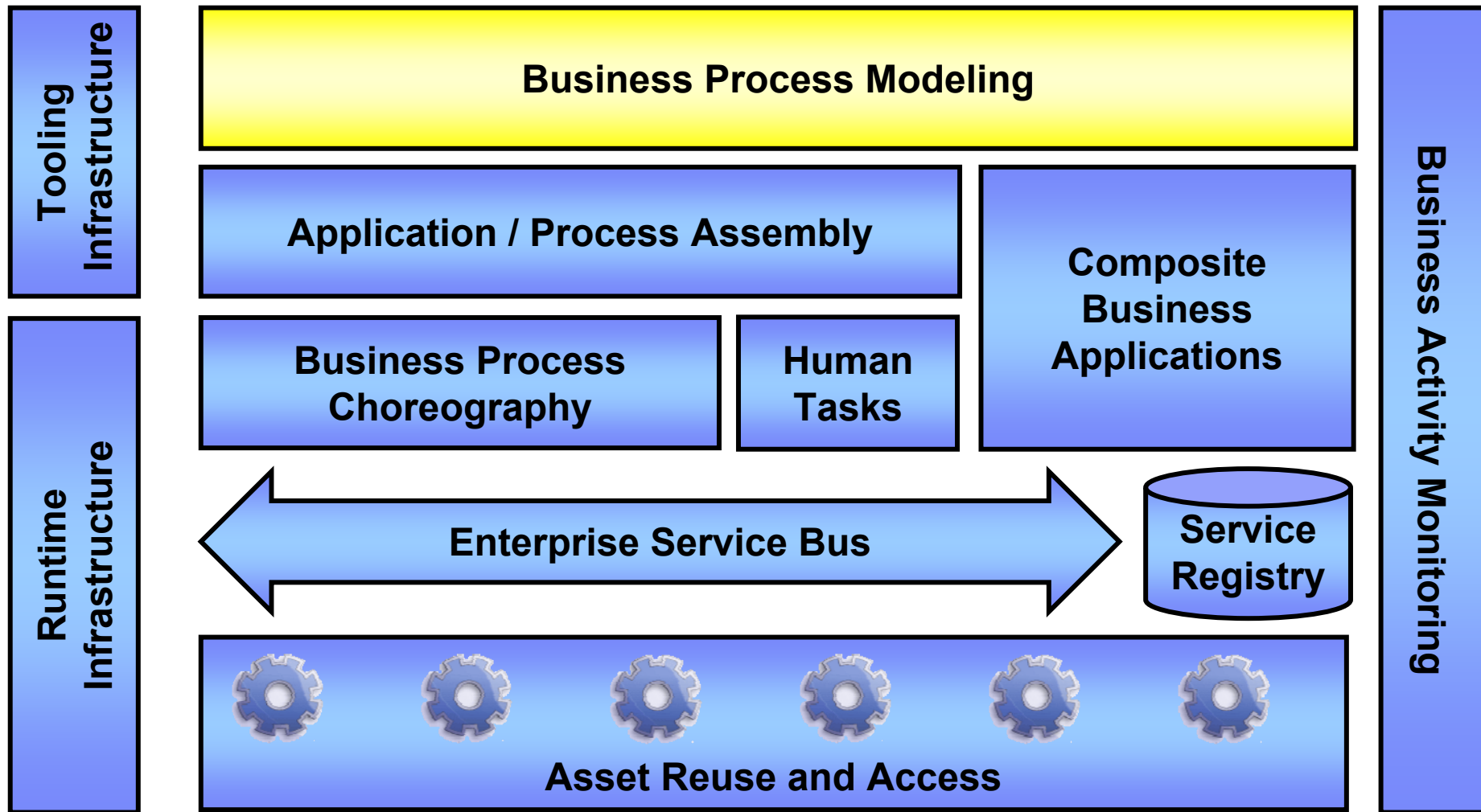


Enable Governance
Govern services throughout the service lifecycle



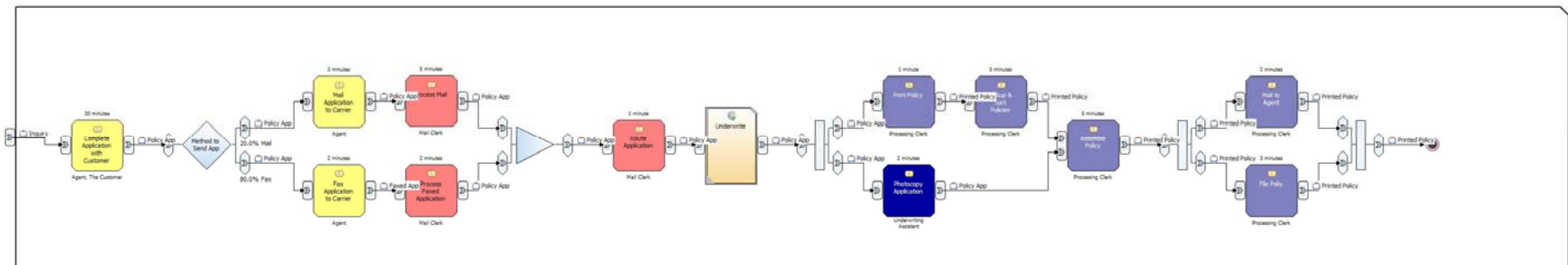
Help optimize service performance
Enable enforcement of policies. Impact analysis

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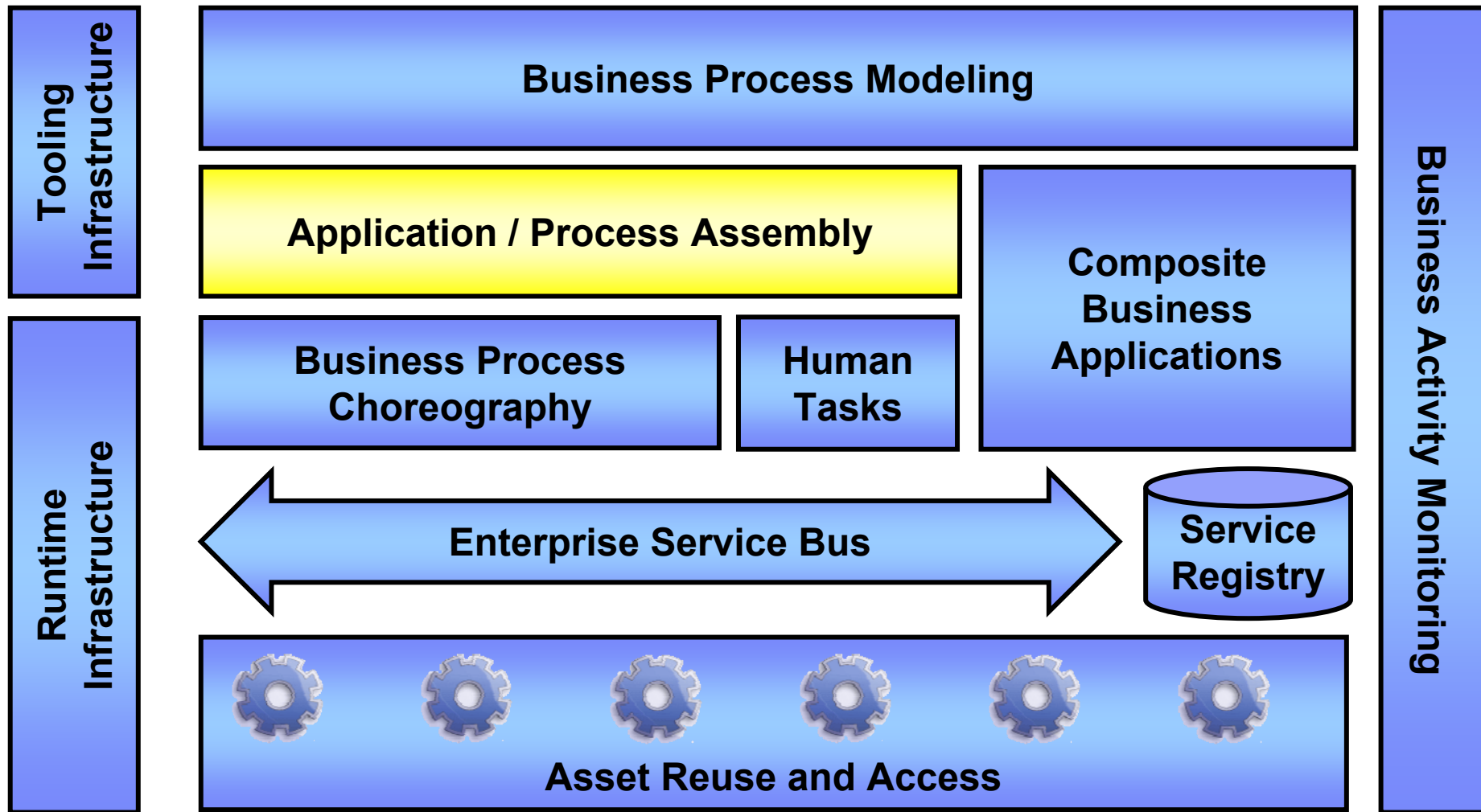


Business Process Modeling

- Simple to use, business tools for business users
- Different modes for different users
 - Start simple, room for growth
- Precise modeling of the things which matter
 - Model the things which affect performance
 - Processes, tasks, costs, times, resources, information, organizational structure
 - Model the things which measure performance
 - Model and define the business metrics to be used in Manage
- Very comprehensive Reporting and Documentation Capabilities



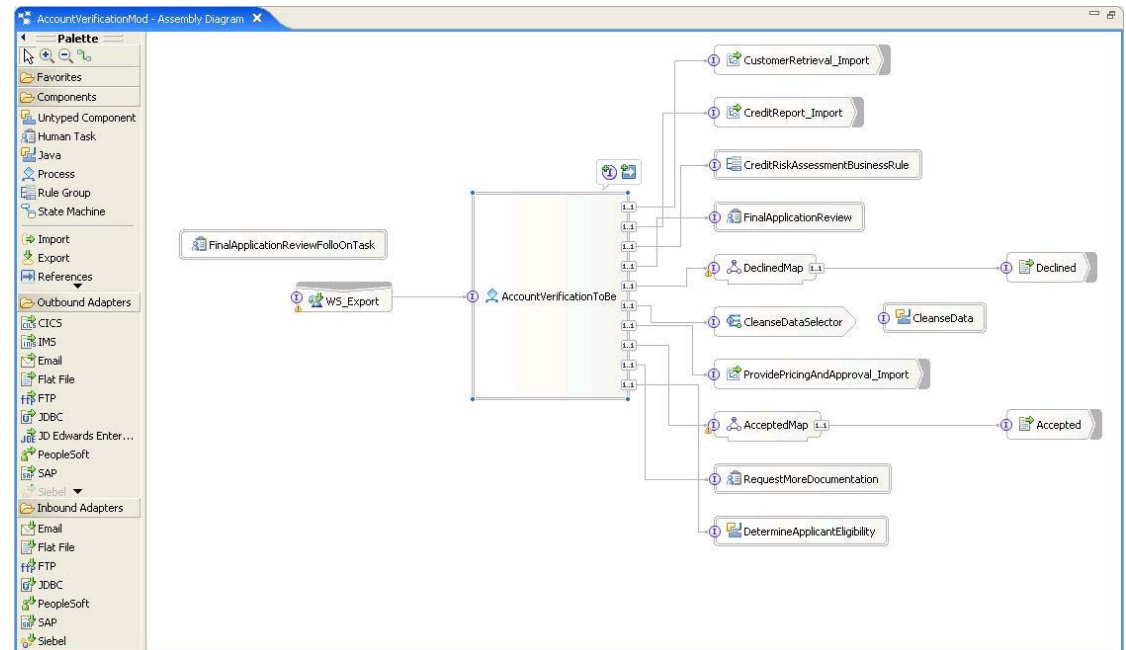
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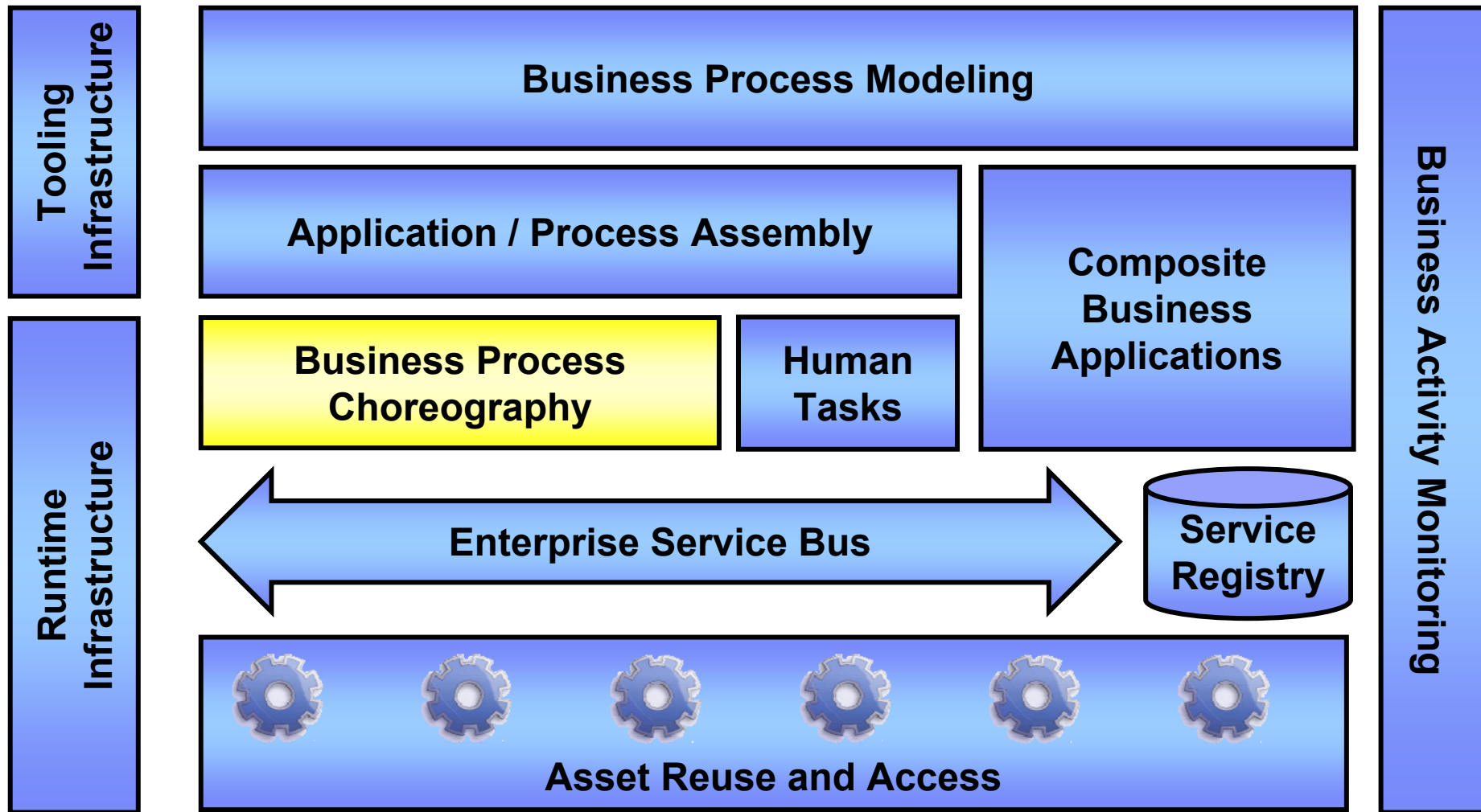
Assembly of Services instead of Coding

WebSphere Integration Developer 6.1

- **Easy-to-use tool for assembling business processes**
 - WebSphere Process Server
 - WebSphere ESB
 - WebSphere Adapters
- **User-friendly authoring environment based on Eclipse**
 - Visual Editors minimize writing Code
- **Quickly discover, reuse and assemble services components**
 - Enterprise Metadata Discovery
 - WebSphere Service Registry & Repository



Components of a Complete SOA-based BPM Platform



Power your Business Processes with a flexible SOA Engine

WebSphere Process Server 6.1

- **Simple and flexible execution of standards-based business processes**
- **Orchestrates a business' assets – people, processes and information services – to form highly optimized and effective processes**
- **Process automation, advanced human workflow, business rules, S2S and B2B capabilities on a common platform**
- **Modify processes in real-time**

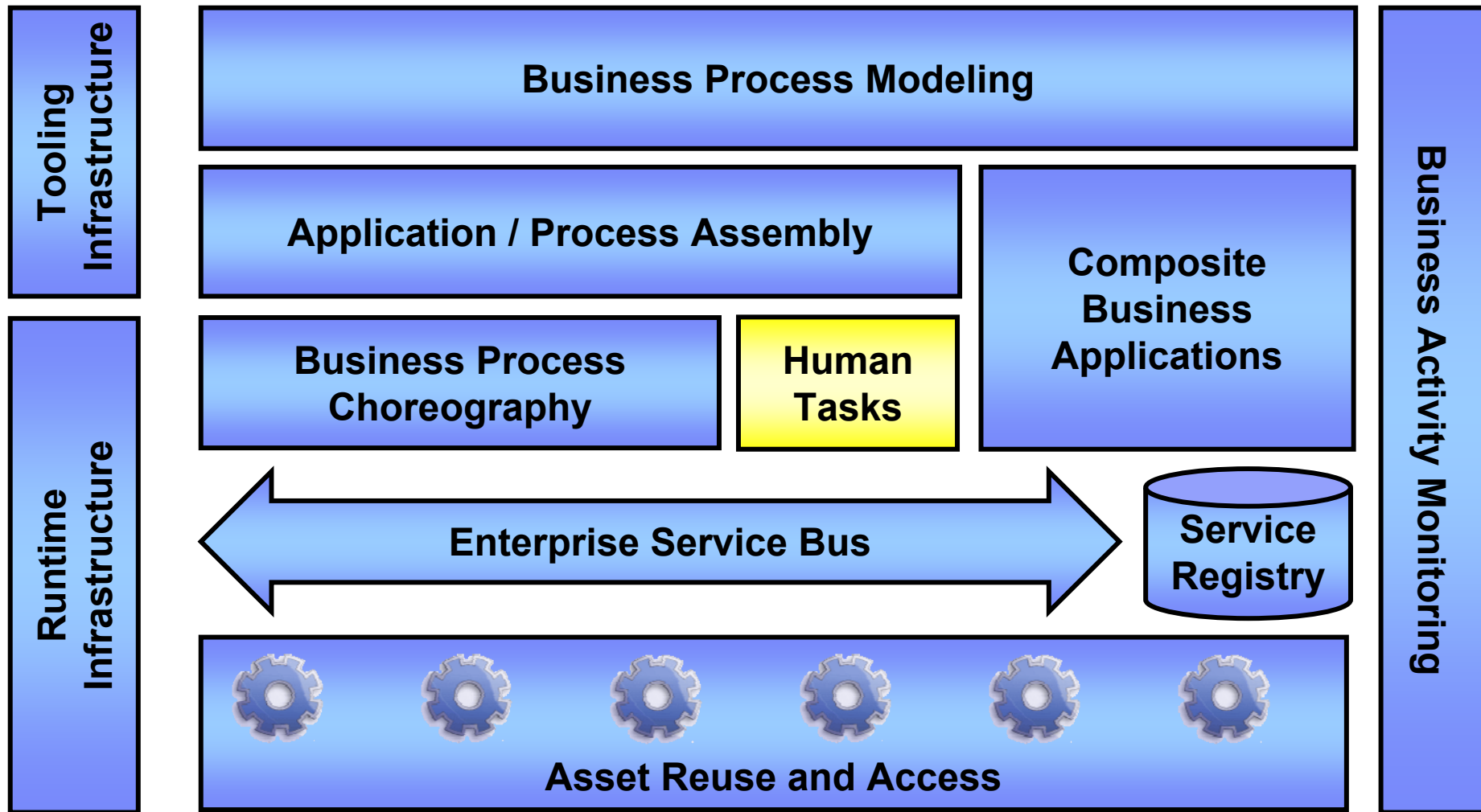
Also available for



z/OS & i5/OS

- **Enhanced human-centric BPM capabilities**
- **Improved consumability and usability**
- **Extended reach of process solutions**
- **Expanded platform and infrastructure currency**

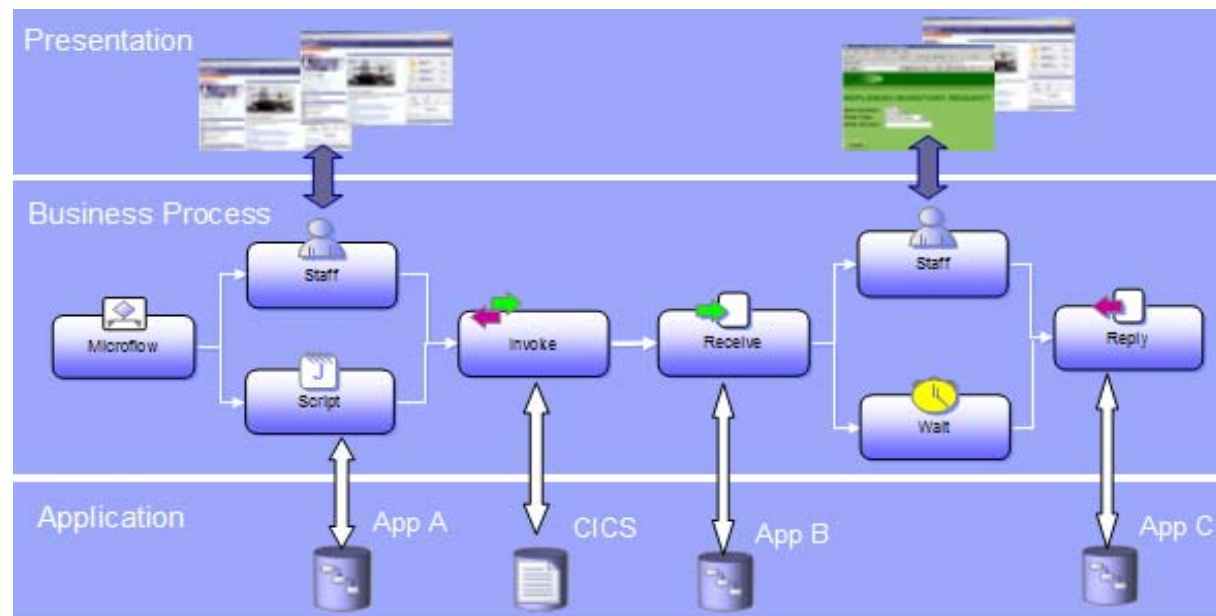
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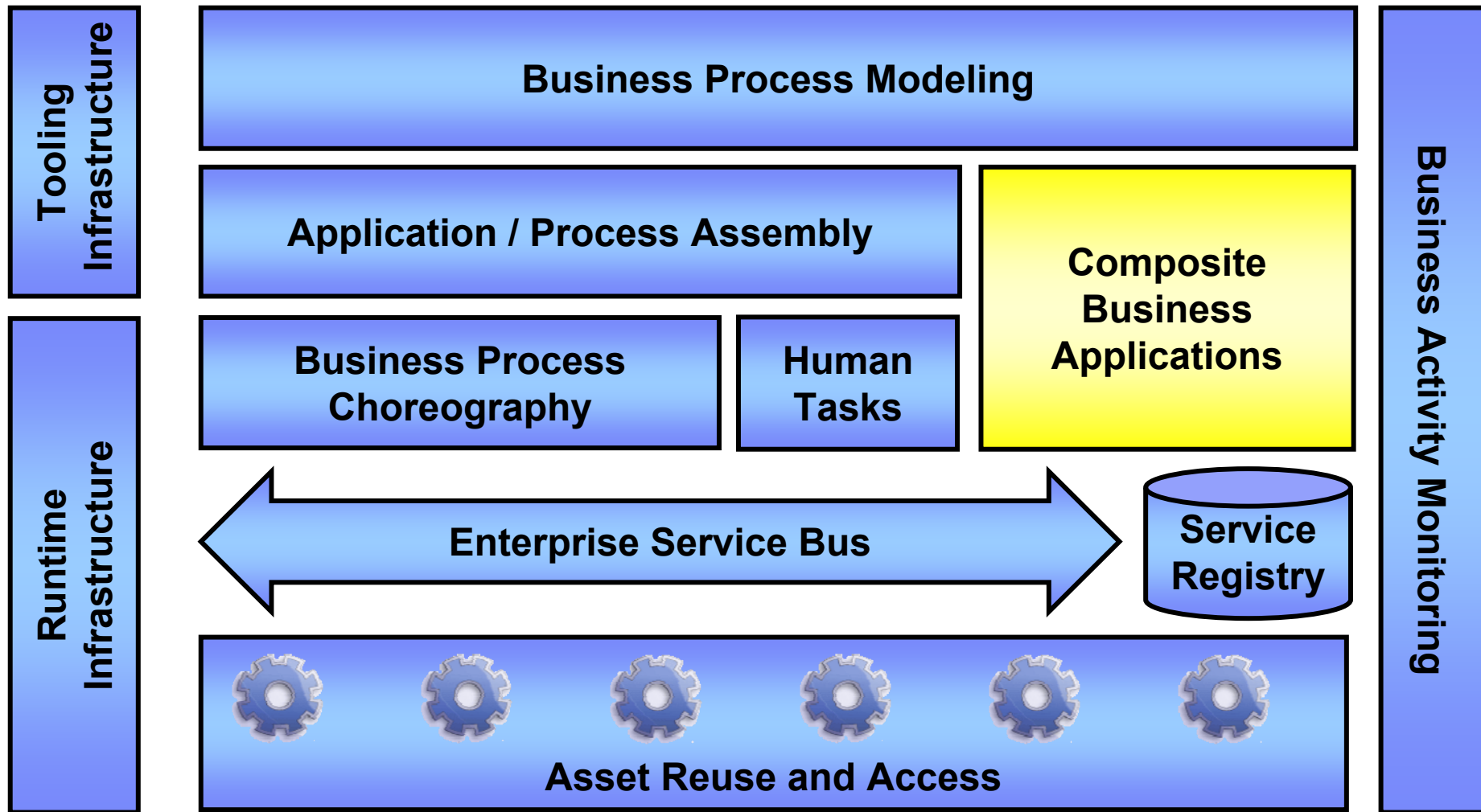
Human Workflow for BPM

Key Factor for Business Success

- **Human workflow is about assigning the right work to the right people at the right time, with the information they need, presented for immediate action**
- **Human Workflow is required for important business scenarios**
 - Exception handling for automated process steps
 - Manual review and approvals
 - Legal regulations, compliance and policy fulfillment (Sarbanes-Oxley, HIPAA, ISO 9000...)
 - ...and many more

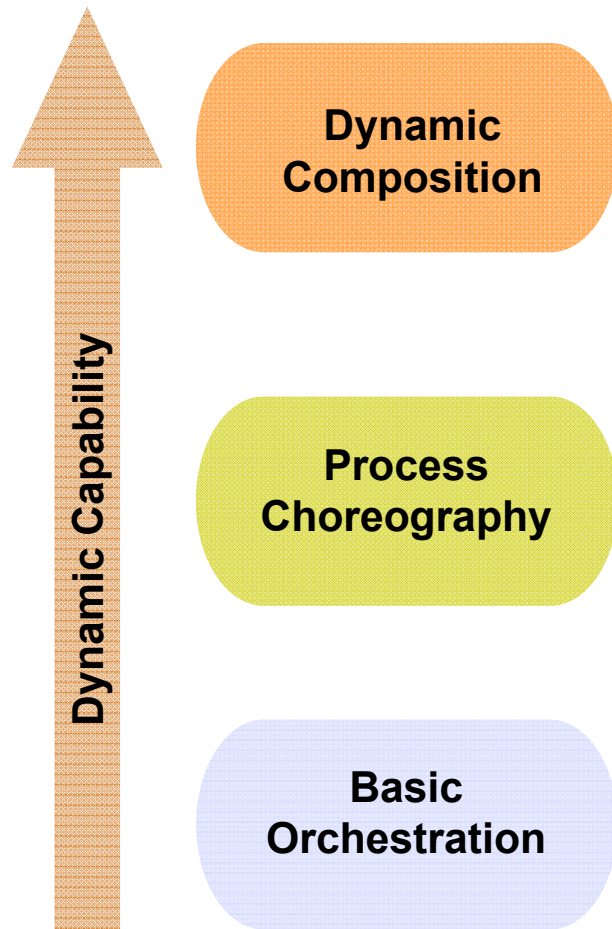


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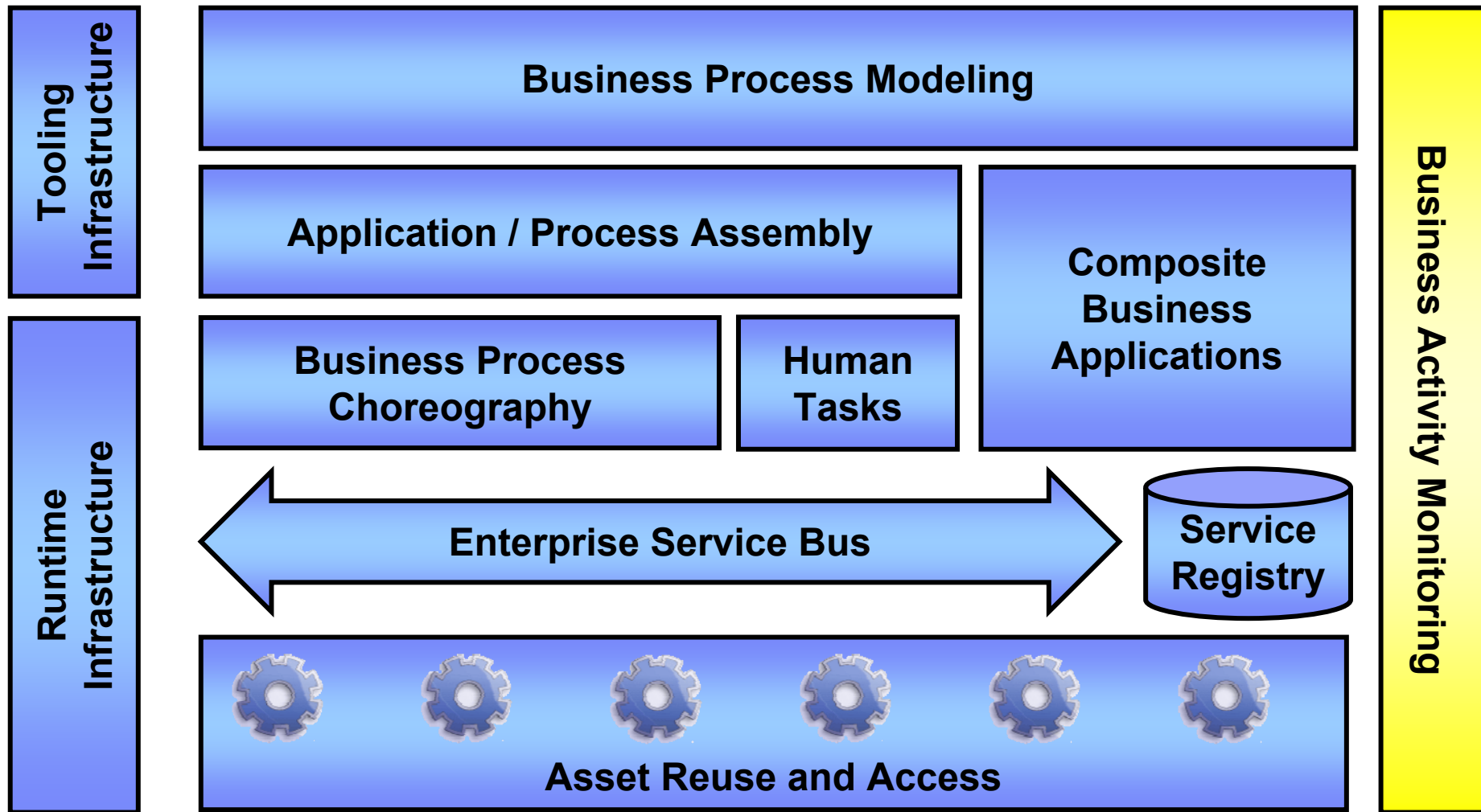
Composite Business Applications

Enabling dynamic Process Change



- **Adaptive & Dynamic Processes**
 - ▶ Dynamic business process change
 - ▶ Assembly and delivery of Composite Business Applications based on business context
 - ▶ Policy-driven to enable faster change and easier maintenance
 - ▶ Flexibility across multiple constituents, channels and service levels
- **SOA-Based Process Choreography**
 - ▶ Process driven choreography of services
 - ▶ Process automation with associated business logic encapsulated within the business process
 - ▶ Improved flexibility and manageability with your SOA
- **Basic Orchestration**
 - ▶ Easier integration and connectivity
 - ▶ Standardized components and Web services
 - ▶ Based on well accepted technical standards

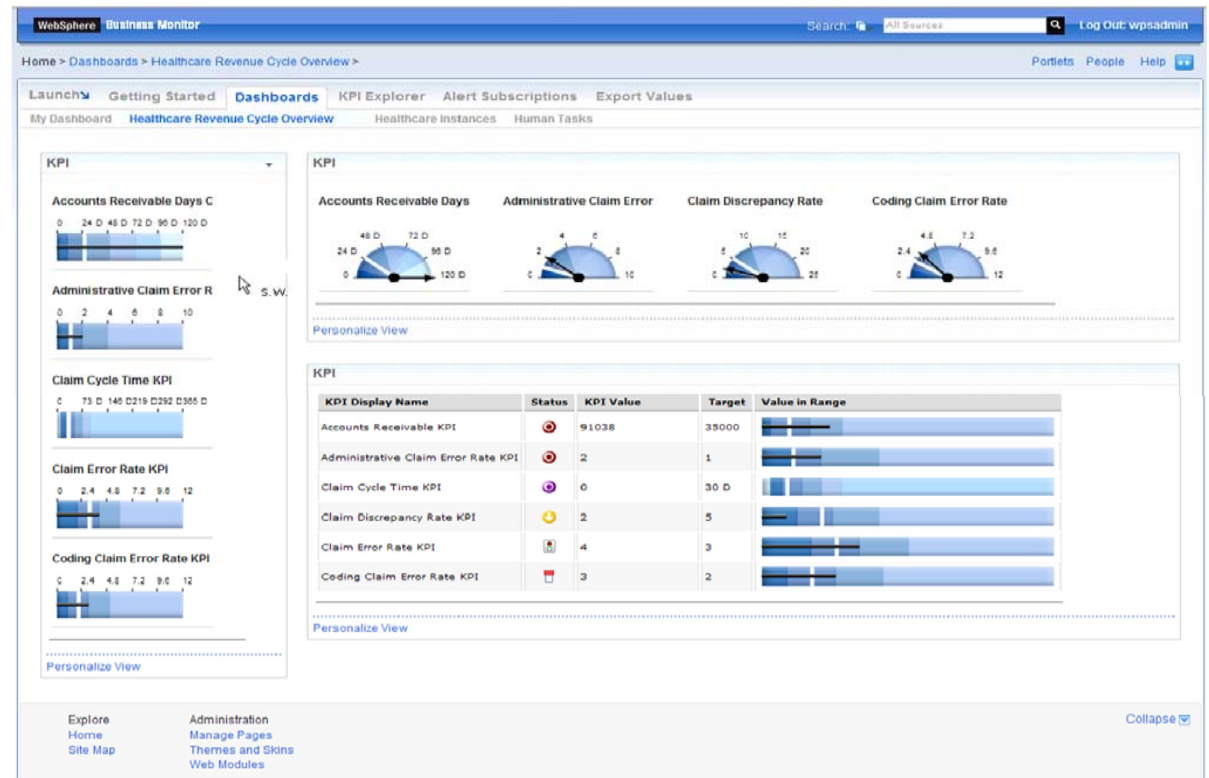
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Business Activity Monitoring for better Business Decisions

WebSphere Business Monitor 6.1

- Create high productivity role based Dashboards
- Monitor Business Process Performance
- Manage In-Flight Business Processes
- Gather Business Intelligence from Collected Data
- Detect Business Situations and Take Action



Questions

