

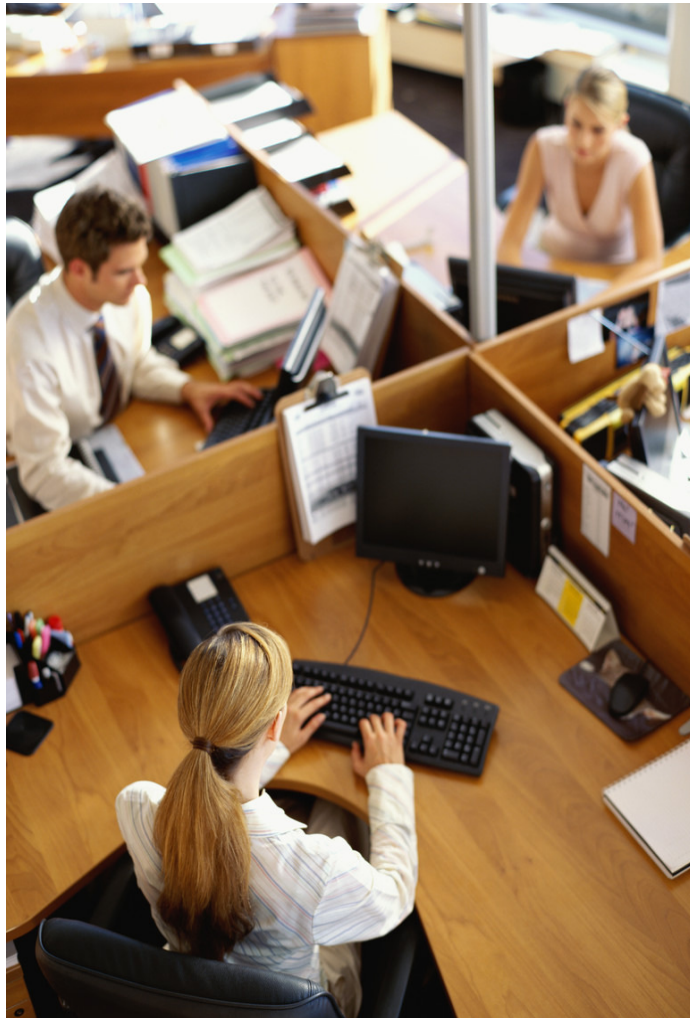
# WebSphere Process Server and WebSphere Business Services Fabric



IBM Software Group

## WebSphere Process Server Creates an Agile Company

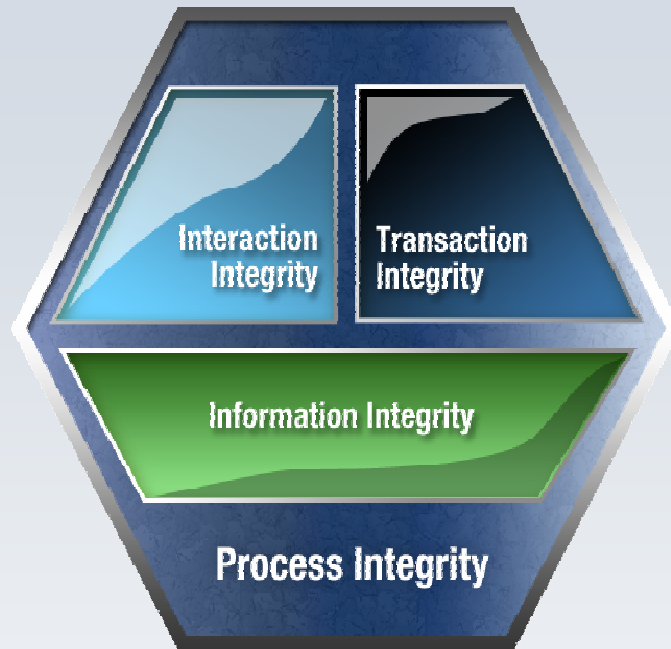
*Flexible processes integrating people, reusing existing services and resources*



- Provides a world class single integrated runtime for all SOA based process automation
- Coordinates interactions with systems and people throughout the enterprise and beyond creating a system where costs are reduced and change is easier
- Powerful Human Workflow
  - Configurable work lists and detailed work item view
  - Graphical process view for business users for viewing and interacting with task
- Flexible Business Processes
  - Designed to provide flexibility for modifying in-flight process instances

## WebSphere Process Server ensures Process Integrity

*Your mission critical processes will be executed and prevent major mishaps*



### **Shanxi Mobile**

*"Establishing an SOA based on IBM WebSphere software has allowed us to serve our customers more efficiently and effectively by enabling total integration between our multiple business systems"*

- Build robust systems that support mission-critical business processes
  - Ensure that nothing gets lost nor executed twice across the end-to-end process.
  - Even in the event of catastrophic system failures WebSphere Process Server knows exactly where to resume processing.
- Deliver reliability, scalability and security end-to-end
  - Full transactional support across distributed systems
  - Automated compensation and resynchronization
  - Recovery at all levels (service bus, application, database, server...)
  - Enterprise-class scalability

## WebSphere Process Server Provides Choice

*You don't have to overhaul your IT systems and skills for BPM and SOA*



- WebSphere Process Server is a highly scalable, reliable and secure platform with a wide range of hardware and operating systems supported
- Complete flexibility over where to deploy your business processes or sub-processes
  - Make (and change) decisions at deploy-time without affecting development
  - Deploy anywhere:
    - Windows, Unix/Linux, i5/OS, **z/OS**, **Linux for System z**
    - xSeries, pSeries, iSeries, zSeries; 32-bit and 64-bit
- Based on the market leading WebSphere Application Server, providing clustering, scalability and security

# Process Automation through WebSphere Process Server

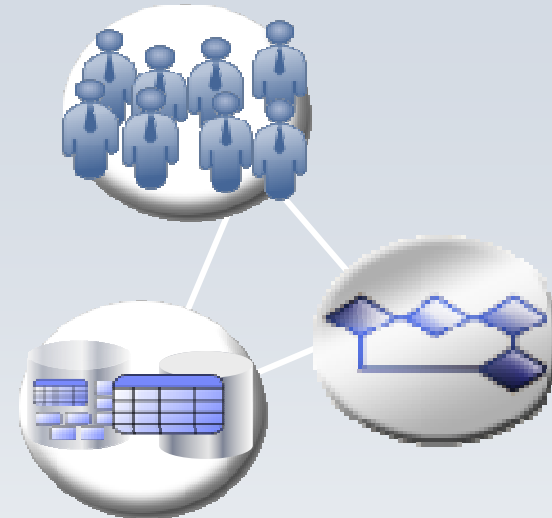
## *A Mature Product with a Track Record of Success*

### IBM is Market Leader in Process Automation and BPM

- #1 in Market - BPMS market share\*
- In Leaders Quadrant in Gartner BPMS Magic Quadrant\*\*
- Over 10 years in market with core process technology
- BPM Competency Center with over 1000 engagements.

### Large install base

- Over 900 WebSphere Process Server (WPS) customers/installs
  - Currently 59 reference customers and growing quickly
  - Used in more than 20 industries
  - Installed in over 30 Countries
- WebSphere – server installed base
  - 16,000+ WAS customers (distributed)
  - 10,000+ WebSphere MQ customers
  - 3,500+ Portal,...
  - 2800+ Heritage process customers (WICS, WMQWF, WBI)
- 62,000 WebSphere customers worldwide (93% of the Fortune 100 use WebSphere)



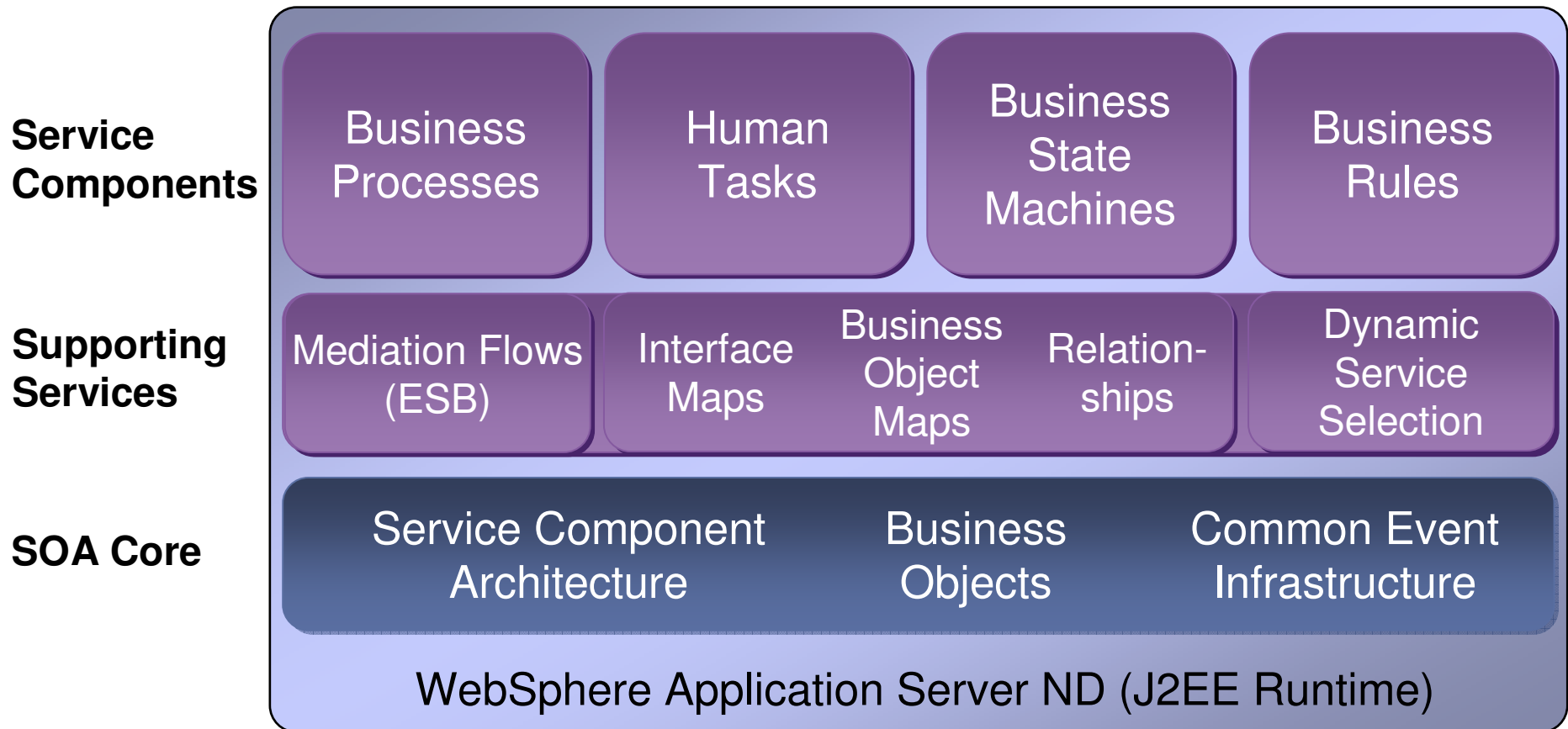
*“Our efforts to bring more integration and collaboration to our production processes are critical to the future of the offshore industry. IBM has shown a strong commitment to helping us achieve this goal.”*

\* Gartner BPMS market share, June, 2007, Michele Cantera)

\*\* Gartner, Inc., “Magic Quadrant for Business Process Management Suites Dec, 2007, by Janelle B. Hill, Michele Cantara, Eric Deitert, Marc Kerremans



# WebSphere Process Server Component Architecture



\*1Q 2007

# WebSphere Process Server Version 6.1

## *Accelerates SOA-based process automation & integration*

- **Enhances human-centric BPM capabilities**

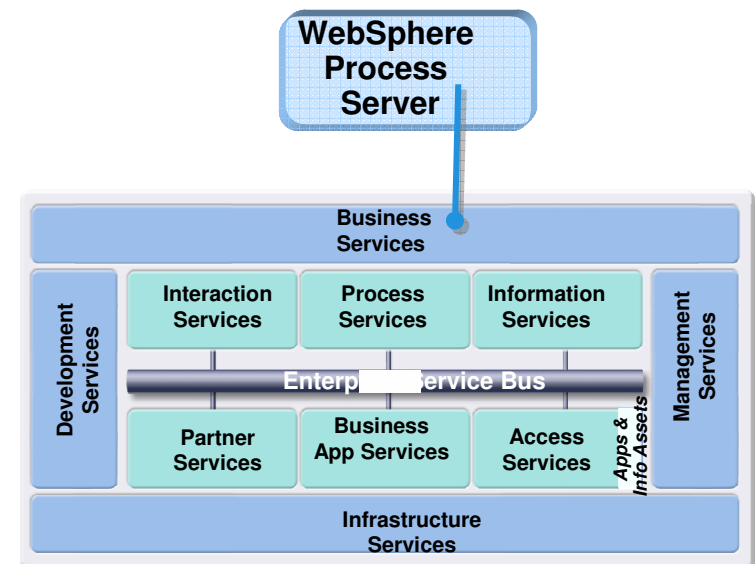
- IBM Lotus Forms integration
- Participant substitution/delegation
- Support for batch work item transfer
- New Business rule administration API
- Enhanced business process administration client

- **Extends integration-centric BPM capabilities**

- New SCA HTTP binding
- New JMS binding for generic workflow clients
- WebSphere TX integration
- Improved handling of WSDL/XSD
- New and enhanced WESB primitives

- **Expands platform and infrastructure currency**

- WAS v6.1 based runtime, including JDK5
  - Staff repository support with Virtual Member Manager
  - MQ Shared Queues on z/OS with platform messaging
  - zFS support for installation and configuration on z/OS (in addition to the older Hierarchical File System)
  - z/OS V1.7 and higher
- 64-bit support for all server platforms
- WAS XD support across all components
- i5/OS platform coverage



New in 2008

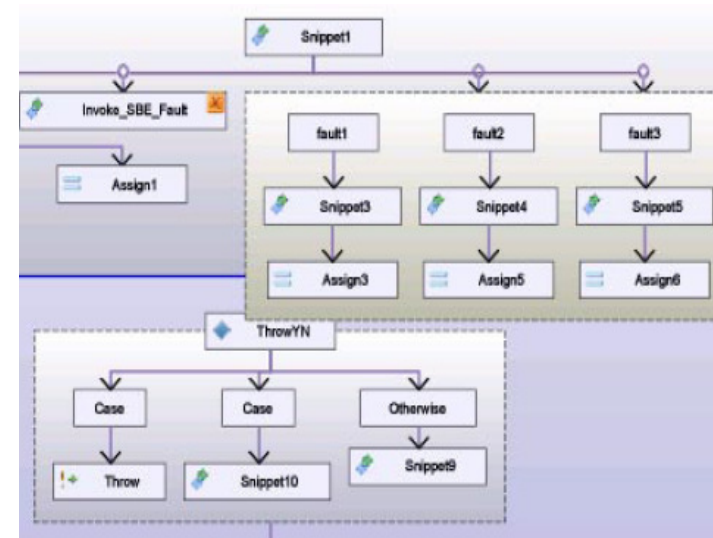


## Graphical BPM Tools in WebSphere Process Server

### *Controlling your business process environment*

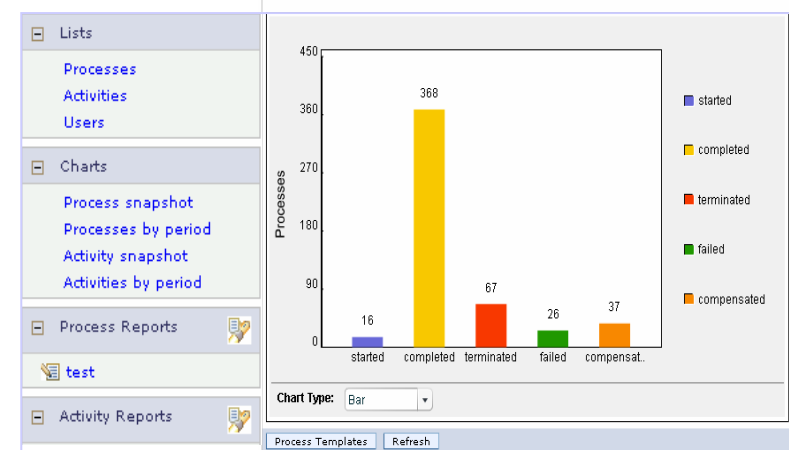
- **Graphical Process Instance Viewer**

- Real-time snapshot of your process
- Understand process structure
- Check status of process and its activities at runtime



- **BPC Observer: Light-weight process instance monitoring**

- Monitors health of business process engine
- e.g. number of active processes
- e.g. rate of finished process per day

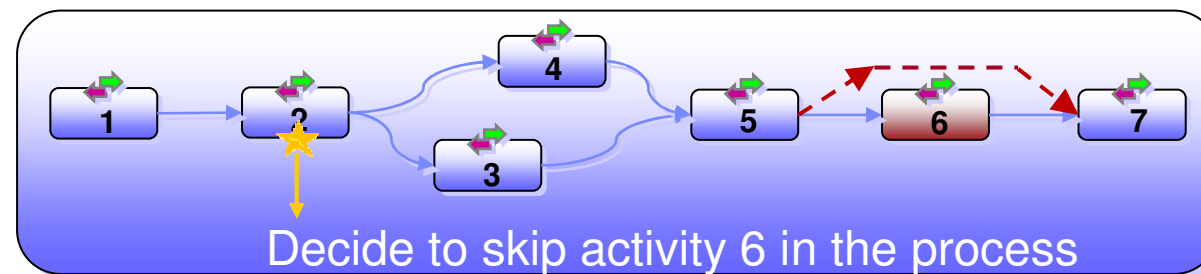
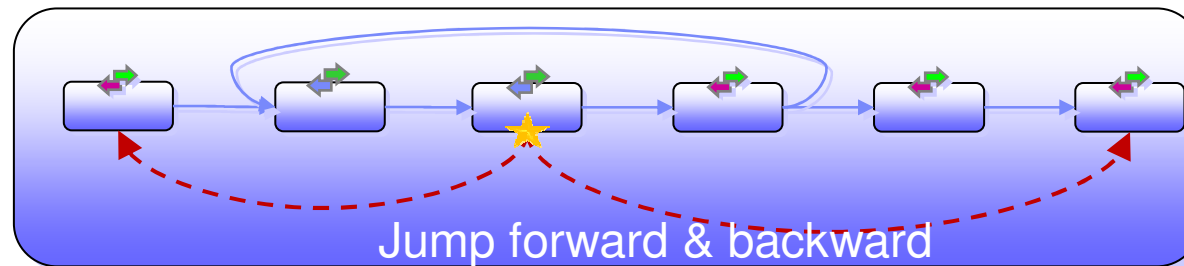




## Navigate Within Business Processes In-Flight

*Respond to changing business needs with greater flexibility*

- Jump forward and backward between activities within a running process
- Skip activities within a process
- Incorporate process relevant data changes in-flight

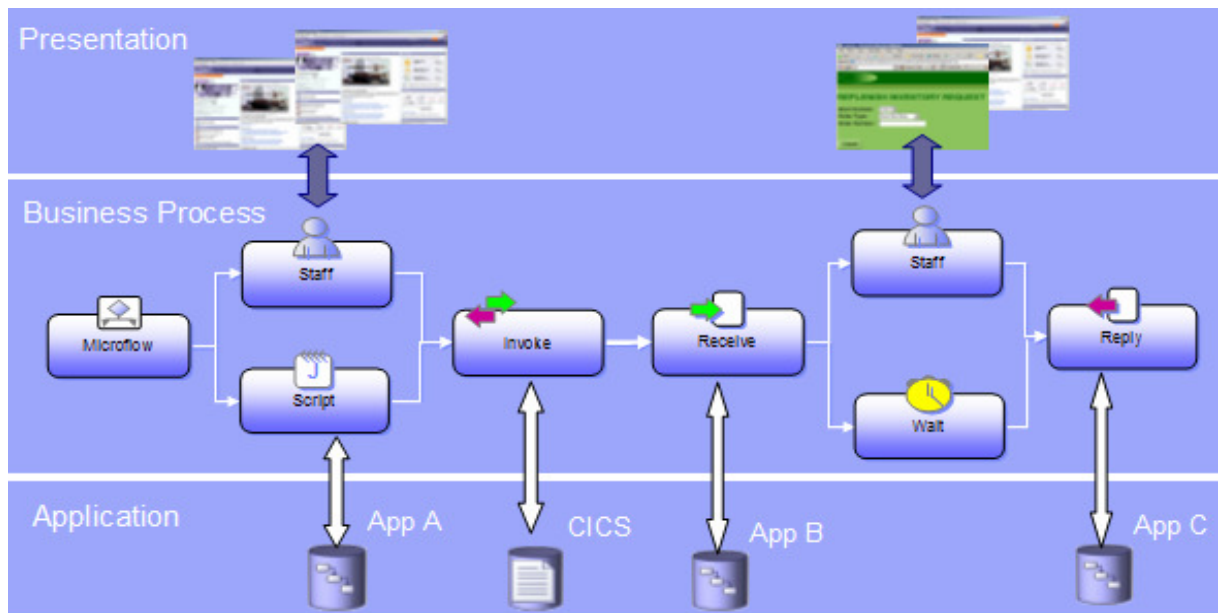


**WebSphere Process Server  
In-flight Process Changes**

## Human workflow for BPM

### *Key factor for business success*

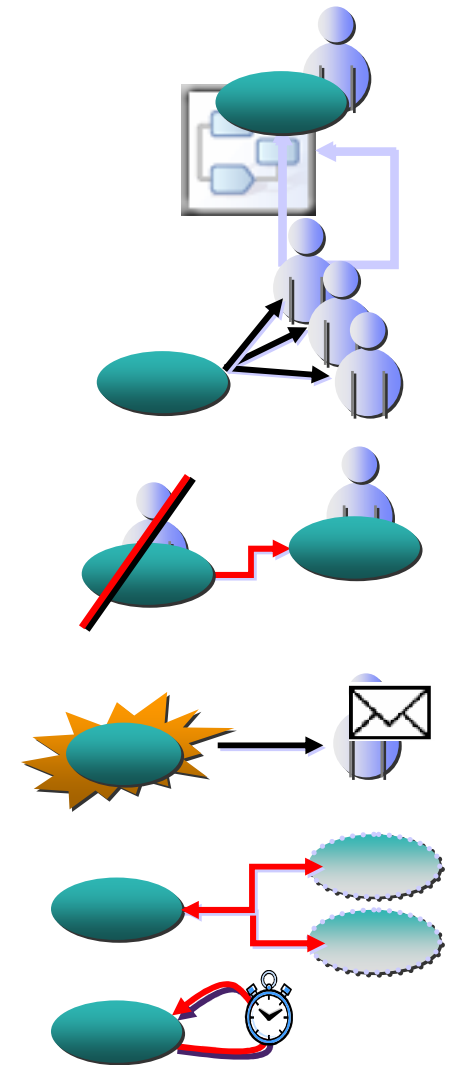
- **Human workflow is about assigning the right work to the right people at the right time, with the information they need, presented for immediate action**
- **Human Workflow is required for important business scenarios**
  - Exception handling for automated process steps
  - Manual review and approvals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



# Human Task Manager

## *Supporting all aspects of human interaction*

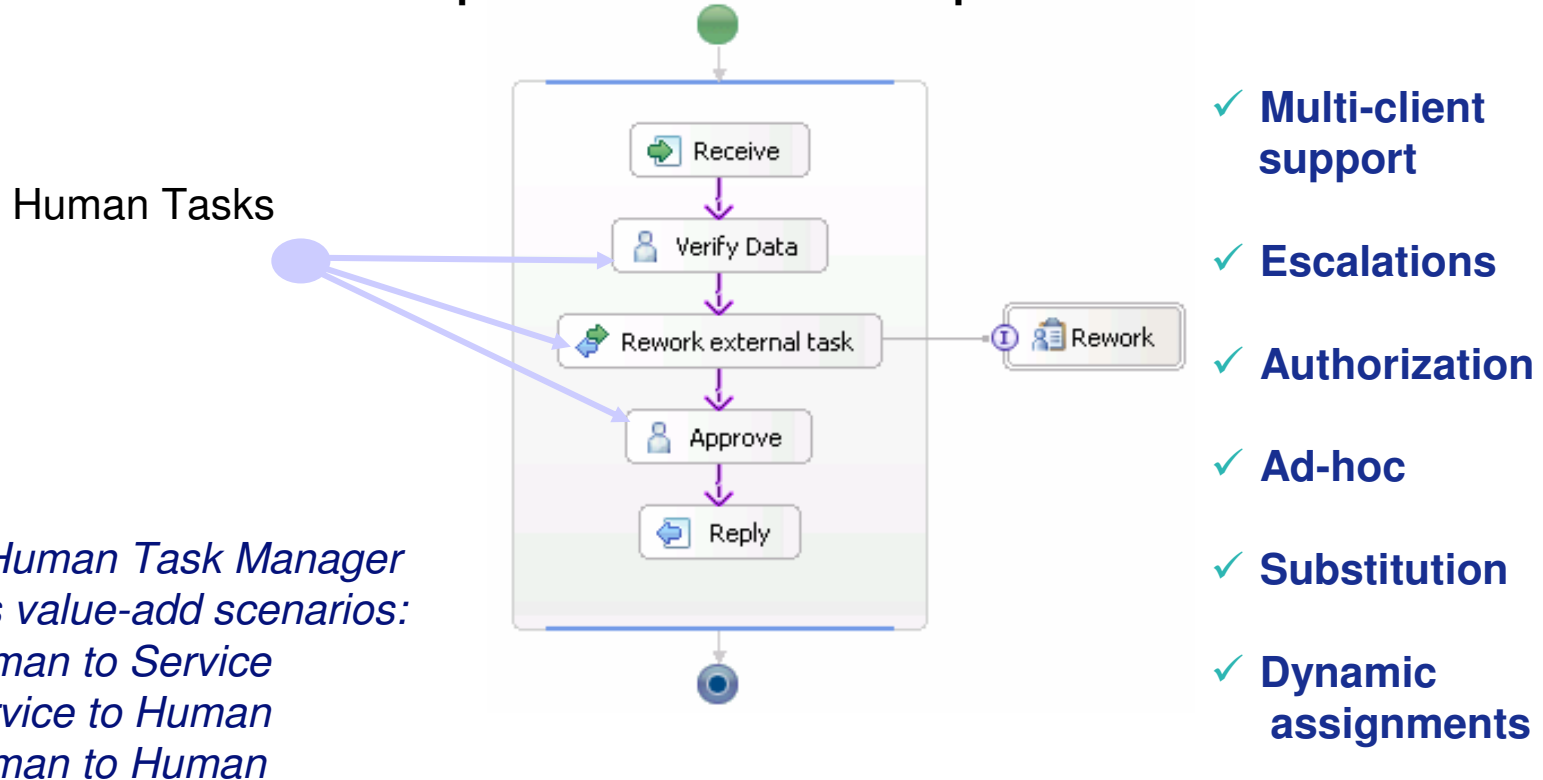
- **Full integration of human workflow into SOA**
- **Rich task assignment capabilities**
  - assign work using flexible **staff queries**
  - federate multiple **staff/organization directories**, e.g. LDAP
  - Ability for **dynamic task assignment**
  - **Re-direct work** to substitutes in case of absence
- **Multi-level escalation mechanisms**
  - **Notification** through e-mail and notification tasks
- **Support for ad-hoc human collaboration**
  - **Create human tasks on-the-fly**, extend pre-defined process models dynamically
  - **Follow-up** of manual Tasks



# The Construct of a Human Task

*Accessible capabilities to fine-tune business processes to address business scenarios requiring human intervention*

**Create powerful human-centric processes**



*... while Human Task Manager handles value-add scenarios:*

- Human to Service
- Service to Human
- Human to Human



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