

IBM SOA PoT

C2070 Human Tasks

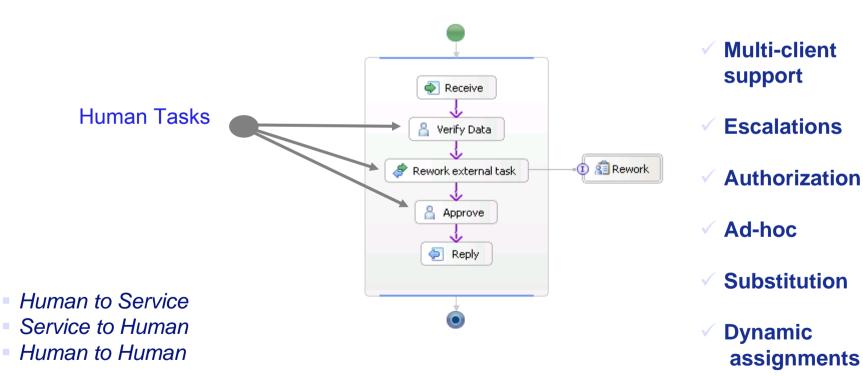




The Construct of a Human Task

Capabilities for creating powerful business scenarios that require human intervention

Create powerful human-centric processes



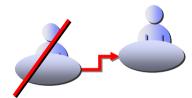


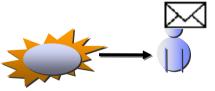
Human Task Manager - Supporting all aspects of human interaction

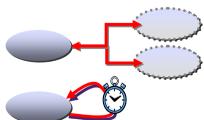
- Full integration of human workflow into SOA
- Rich task assignment capabilities
 - assign work using flexible staff queries
 - federate multiple staff/organization directories, e.g.
 LDAP
 - Ability for dynamic task assignment
 - Re-direct work to substitutes in case of absence
- Multi-level escalation 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













Dynamic Human Workflow Concepts Adding value to human-centric BPM

- Assign work dynamically using runtime information or staff relationships, e.g.
 - Assign to user that started the process, then escalate to user's manager in case of escalation
 - ► Exclude user that approved previous step (4-eyes principle) in following (approval) step
 - Assign to user(s) based on business data, e.g. an external service providing the names of responsible users
 - Escalate human tasks to avoid service level violations...
 - ..if work has not been started in time
 - ..if work completion is overdue

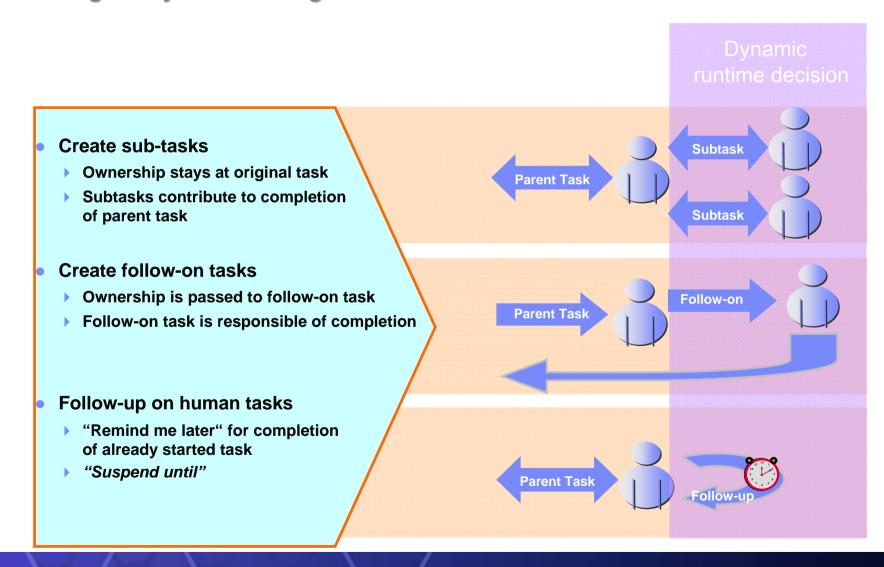








Ad-Hoc support in WebSphere Process Server Allowing for dynamic changes in human workflow scenarios





Business User Client Generation for Human Workflows

Integrated generation framework for workflow clients

- Out-of-the-box client generation for human workflows with just one click
 - JSP-based client
 - WebSphere Portal client
 - Forms-based client
- Benefits:
 - Click & Use for immediate results
 - ▶ Focus: Business user
 - Possible starting point for customers to add more features or create own client





Business User Clients: Forms support

- Key Use Cases, where customer....
 - ...already has forms and wants to get started with business integration (business processes, human tasks).
 - ... already has business processes with human tasks and wants to create forms as a front-end for them.
 - ... already has business processes with human tasks and forms and wants to combine them.
- Support to edit Workplace Forms directly in WID and to display Forms in a web browser "out of the box"
- Things to be aware of
 - Tooling: Workplace Forms API bundled with WID, no limitations
 - Server: IBM Workplace Forms is not bundled with WPS. Customer needs to purchase separate IBM Workplace Forms license.



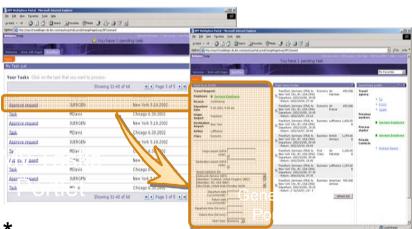
Business User Clients: Portal support

- WebSphere Portal Server integration:
 - Generates portlets for handling human tasks.
 - Used in combination with WebSphere Portal's "My Tasks"
 Portlet
- Key Use Case:

Customer uses MyTaskList portlet and wants to create

portlets for human tasks

- Things to be aware of
 - Requires Portal Toolkit to be installed with WID
 - Works in combination with "My Tasks" Portlel
 - Only supported for To-do Tasks*





Human Task

Human Tasks Component

- A stand-alone Component not restricted to invocation form a BPEL Process
- Machine to Human





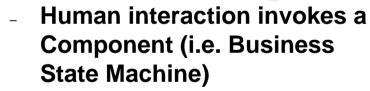


- A Component creates a work item for Human interaction
- Human to Machine









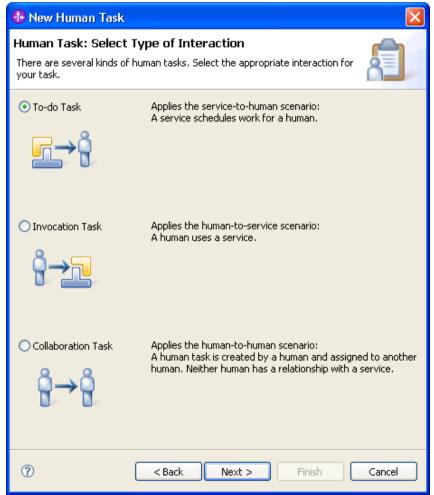
Human to Human







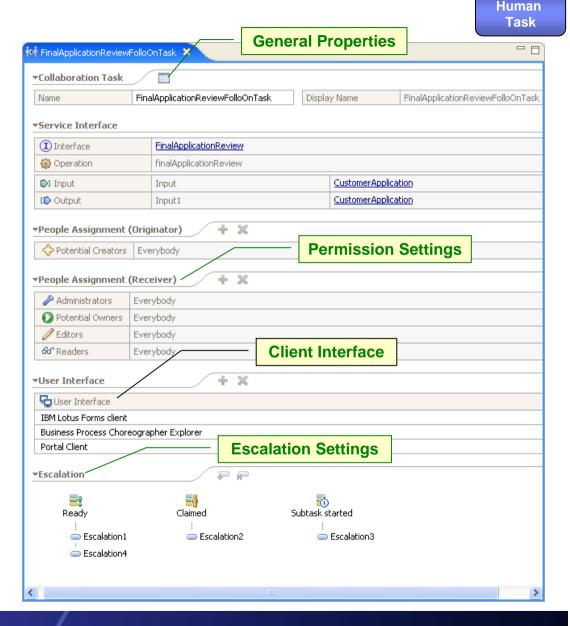
 Human interaction invokes a Component which creates a work item for another Human





Human Task Editor

- General Properties
 - Staff Plug-in Provider, Calendar, etc..
- Permission Settings
 - Specify Verb and Parameters for Roles
- Client Settings
 - Web, Portal interface
- Escalations Settings
 - Defines escalation actions
 - Notification
 - e-Mail
 - Human Task
 - Event
 - Priority Aging





Lab Objectives

- Add a task to the BPEL process
- Integrate business processes end-to-end
- Include human tasks with automated business processes
 - Assign the right work to the right people at the right time
 - Human task must be repeatable, reusable, auditable

- Role: Integration Developer
- Tools: WebSphere Integration Developer



What are we going to do in the Lab?

- Define the Interface for the new 'Generate Acceptance' task
- Add the GenerateAcceptance Task to the SimpleAccountVerification BPEL Process
- Add the implementation for the new Generate Acceptance task



What are we going to do in the Lab? Cont

- Create a Human Task to start the process
- Convert the Pricing and Approval Java component to a Human Task
- Generate a web client for the Start Process Human Task
- Generate a web client for the Pricing and Approval Human Task
- Retest the SimpleAccountVerification process
- Use the Human Task client to start the process
- View the Process State
- Use the Human Task client to perform Pricing and Approval



Labs 9 & 10 45 Minutes



