CONVERTING A TIBCO BUSINESSWORKS APPLICATION TO APACHE CAMEL

Red Hat Consulting Discovery Zone

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ABOUT TIBCO

➔ Strong player in the enterprise software space in the early 2000's
➔ Claim to fame was Rendezvous (RV), a highly reliable Distributed Messaging Protocol that found significant adoption on trading floors
➔ Clientele in diverse domains (oil & gas, insurance, government,...)
➔ Expanded through several strategic acquisitions
TIBCO BUSINESS WORKS (5.X)

→ BusinessWorks ("BW") is Tibco's Integration Suite based on EAI

→ Offer GUI based Development modelers programs with custom Java development support

→ Primarily uses XSL and a 4GL Design Language to express Transformations, Activities and Transitions
COMMON TIBCO CHALLENGES

- Cost
- Vendor Lock-in
- Availability of skill sets
- Product roadmap uncertainty
- Proprietary API's
- CI/CD support
TIBCO BUSINESSWORKS - MIGRATION APPROACH
RED HAT MIGRATION APPROACH

Accelerate and simplify migration with Red Hat Consulting

MENTOR-BASED APPROACH

COMMON DESIGN PATTERNS & TOOLING

SOLUTION DELIVERY FRAMEWORK
BEGIN

Discovery Session

Introductions and Agenda
Individual sections and sessions described in order to structure the discussion

Current State Discussion
Discussion covering:
- Use-case
- Current Topology
- Functional needs
- Non-Functional needs
- Custom needs
- GAP analysis

Future State Discussion
Discussion covering:
- New Focus areas
- New capabilities
- New scale/scope

Product Mapping & Suitability
Discussion covering:
- Description of Red Hat Offerings
- Existing use-cases with Red Hat offerings
- Red Hat experience

Migration Approach & Next Steps
Discussion covering:
- Solution Delivery
- Tools and Processes
- Mentoring
- Approach Document

Day 1 Session 1
Day 1 Session 2
Day 1 Session 3
Day 1 Session 4
Day 1 Final Session
TIBCO MIGRATION - DESIGN WORKSHOP DELIVERY PROCESS

BEGIN

Discovery Session

Paid POC [Optional]

Design Workshop

Architecture, Topology and Design Planning Planning Session

Release Management Process & Planning DevOps CI/CD Pipeline Setup

Installation and Setup Environment Creation

Baseline Use-cases, Project Plan and LOE Estimates Development, Scoping & Delivery Planning

Security, QA & UAT Planning Quality Assurance, Performance & UAT

Production Planning Multi-Datacenter, Failover, HA & Disaster Recovery

Design Report Delivery Design Report presented to Customer

Phased and Agile Implementation Implementation SOW’s delivery to Customer

Week 1 - 4: Architecture/Topology, LOE & Design Planning [Additional weeks possible based on scale/complexity]

→ Open Innovation Lab Option
TIBCO MIGRATION - DEPLOY PHASE DELIVERY PROCESS

BEGIN

Discovery Session

Paid POC [Optional]

Design Workshop

Deploy (Project Delivery)

Phase 1: Red Hat Led + Customer Mentoring

- Sprints & Development Implementation
- Scheduled Release Management
- Code Graduation, Peer reviews and Migration to DEV environment

Phase 2: Red Hat + Customer Resource Led

- Sprints, Development + DEV Environment Testing
- Release, QA & UAT Testing
- Issue Tracking & User/Performance Testing
- Pre-Production Setup and Testing
- Checklists, Staging & Delivery Process, Issue Escalation Model

Phase 3: Customer Led + Red Hat Onsite & Offsite support

- Hot/Final Fixes and Testing
- Pre-Release Testing
- Release to Production
- Open Innovation Lab Option
TIBCO MIGRATION TOOLING AND DEMO
THANK YOU

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<th>Capability</th>
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<td>Core integration platform</td>
<td>ActiveMatrix BusinessWorks</td>
<td>JBoss Fuse</td>
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<td>Enterprise Service Bus (ESB)</td>
<td>ActiveMatrix ServiceBus</td>
<td>JBoss Fuse</td>
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<td>Java Messaging Service (JMS)</td>
<td>EMS*</td>
<td>JBoss A-MQ</td>
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<td>Business Process Management (BPM)</td>
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<td>Business rules engine &amp; management</td>
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<td>Distributed in-memory caching</td>
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<td>Complex Events Processing (CEP)</td>
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* Non-JMS messaging