



horizons

Sun's SOA & Composite
Application Summit **2006**

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**RISK MANAGEMENT ENABLED
WITH SUN JAVA™ COMPOSITE
APPLICATION PLATFORM SUITE
(JAVA™ CAPS) 5.1**

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Risk Management enabled with Sun Java™ Composite Application Platform Suite (Java™ CAPS) 5.1

Today we will discuss how Transamerica has used the Sun Java™ Composite Application Platform Suite (Java™ CAPS) 5.1 products to put together a solution to help with analyzing and minimizing risk on our Variable Annuity products. The key concepts touched will cover the business process that manages their data migration and transformation logic.

Presented by: Jeff Freeze

ICC Team Lead

*Annuity Products and Services, a division of
Transamerica Life Insurance Company*

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Transamerica Life Insurance Company and Affiliates Overview

- Global Distribution
- Approximately 27,000 employees worldwide
- Annuity Products and Services Division, a division of Transamerica Life Insurance Company

Transamerica and ICAN 5.0

- Fall of 2003, Transamerica chose ICAN 5.0 to help expose legacy mainframe information as Services.
- Goal: Create a set of core services that could be accessed by different applications, processes and channels.

Existing Environment

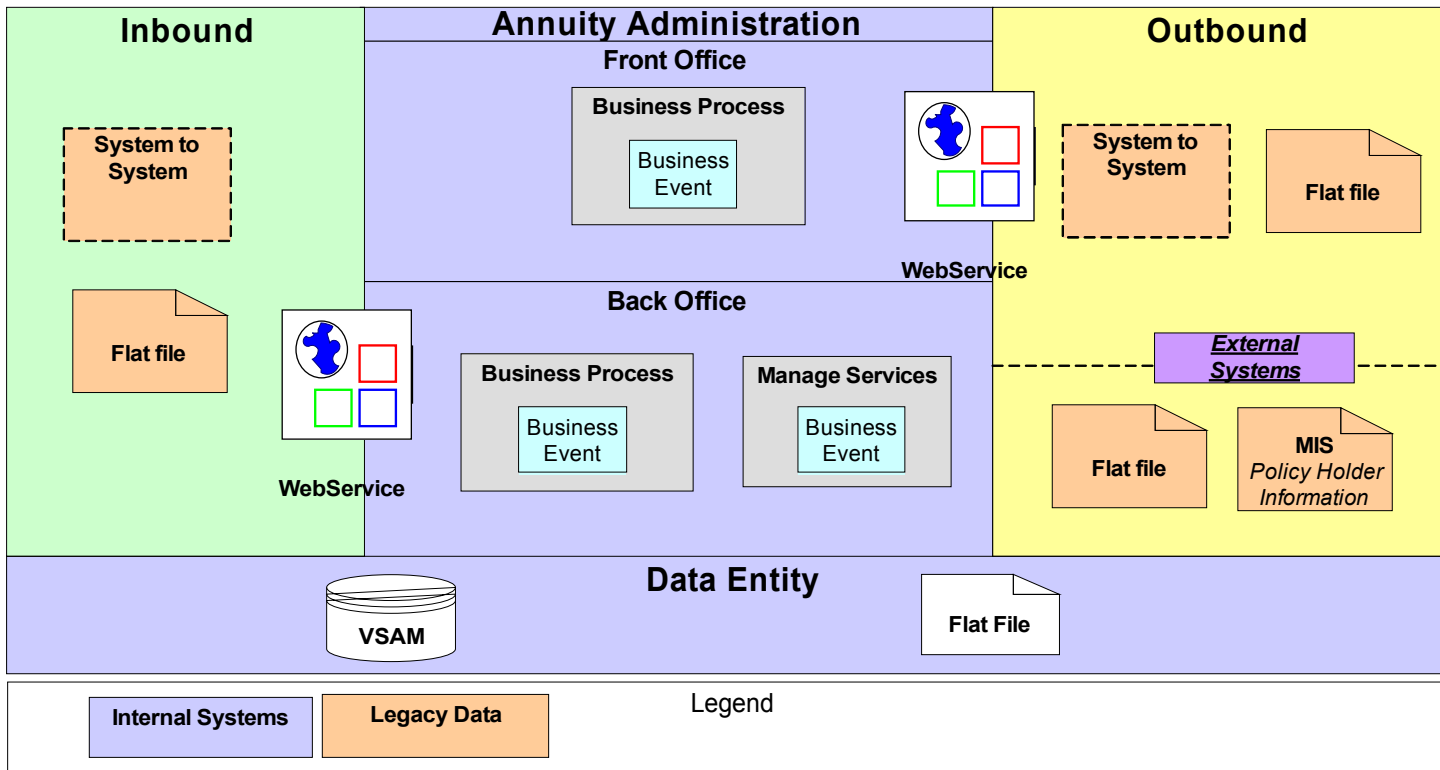
- Data and business logic reside in many different legacy and new systems.
- Systems have many different communication methods.
 - Request response queues
 - Point-to-point
 - Database calls
 - Direct file reads
 - Etc.

Existing Environment (Cont'd)

Example of one Legacy system

- **Front Office**
 - 2 Business Processes (i.e. Money Management)
 - 16 Business Events (i.e. Process Client funding, Manage Client Disbursement)
- **Back Office**
 - 13 Business Process
 - 45 Business Events
- **Data Entity**
 - 8 VSAM Files
 - 2 Flat File
- **Inbound**
 - 8 Point to Point System Interfaces with separate formats
 - 11 Flat File Interfaces with separate formats
- **Outbound**
 - 10 Point to Point System Interfaces containing business data in separate formats
 - 25 Flat Files containing business data in separate formats

Today's View



Existing Environment (Business)

- Challenging competitive and legislative environments that require internal systems to be changed quickly
- Need for customized products and services across different distribution channels
- Need for more configurable processes in real time (ability to route messages at runtime)

Java CAPS Value to Transamerica

- Create an scalable integrated service oriented architecture supporting business process and presentation
- Through reuse of services and processes minimize impact of changes – product, business and compliance
- Reduce the connection methods that applications use to access common data across systems

Java CAPS Value to Transamerica (Cont'd)

- Offer enhanced visibility into processes – improved decision making and responsiveness
- Integrate CICS, DB2, Oracle
- Reuse business skills of existing programmers on new SOA projects
- Lowered cost of development and maintenance

Current environment

- 7 reusable services in production
- Nearly 50 batch and real-time connections processing 100K+ transactions daily
- 4 services implemented that retrieve information across multiple platforms and divisions.
- Current implementation in 5.0.5

Observations we've seen...

- Standard request and response format is used across multiple platforms
- Centralized solution that is easy to monitor and scale to meet the business needs
- Loosely coupled solution that limits the impact when admin systems are changed
- Standard message canonical used across multiple services
- Solution is implemented across multiple platforms and the underlying communication methods are transparent to the calling application

Why Java CAPS 5.1

- Integrated platform for building and centralizing services
- Ability to easily use existing eGate™ Integrator and other Java CAPS 5.1 services within other business processes
- OTDs can be reused by future services

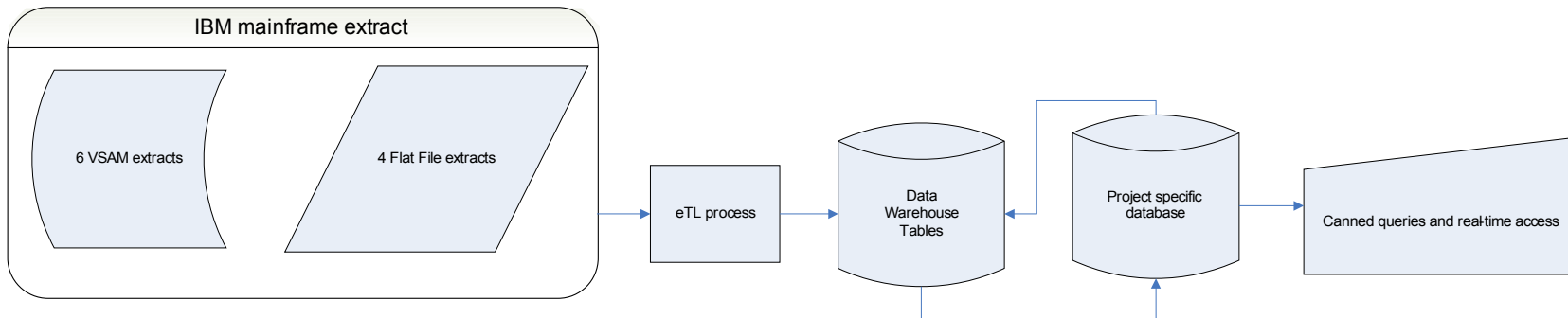
5.1 EAP project

- Transamerica and Sun evaluated potential EAP projects and selected an eTL™ Integrator project that would:
 - Integrate an Oracle database with an IBM Mainframe running z/OS 1.3
 - Transform and load legacy data into a centralized database for reporting
- The project would replace an existing process

Project overview

- Business need for data to be consolidated from multiple mainframe legacy data sources into a centralized conical format
- Data needs to be available in a timely manner, preferably daily
- Load legacy data into Oracle tables for real-time and batch business reporting across multiple APS locations

Project Data flow



5.1 EAP objectives

- Prove that eTL Integrator performance meets business needs
- Evaluate the ease of making changes to an eTL Integrator process
- Evaluate ability to make changes to a project by programmers who are not Java Technology or Oracle experts
- Evaluate the overall 5.1 deployment for stability and maintainability

Overall Benefits of EAP

- All business and technical objectives were achieved
- Early hands on experience with 5.1 eTL Integrator tool
- Learning from Sun SeeBeyond experts
- Jump-start on implementation
- Enhancement requests were encouraged and implemented

2006 initiatives

- 5.1 eBAM™ Studio POC
- 5.1 eVision™ Studio POC
- Conversion of existing eGate Integrator 5.0.5 services to 5.1

What's next?

- Focus on a service oriented architecture to reduce maintenance costs and shorten development life cycle
- Reduce point-to-point connections within the environment
- Use eBAM Studio to monitor key performance indicators
- Streamline dataflow between systems by creating a standard conical and OTD structure

Thank you

Questions?

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