Integrating Workflow with J2EE Applications

Best Practices from the Field

Charles Ames
CEO, Oak Grove Systems
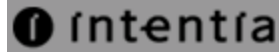chuck@oakgrovesystems.com

Overview

- Agenda
  - Assumptions – "World View"
  - Scenarios – Situations
  - Problems – What are the key issues?
  - Solutions – How have those been addressed?

- Format
  - Introduction
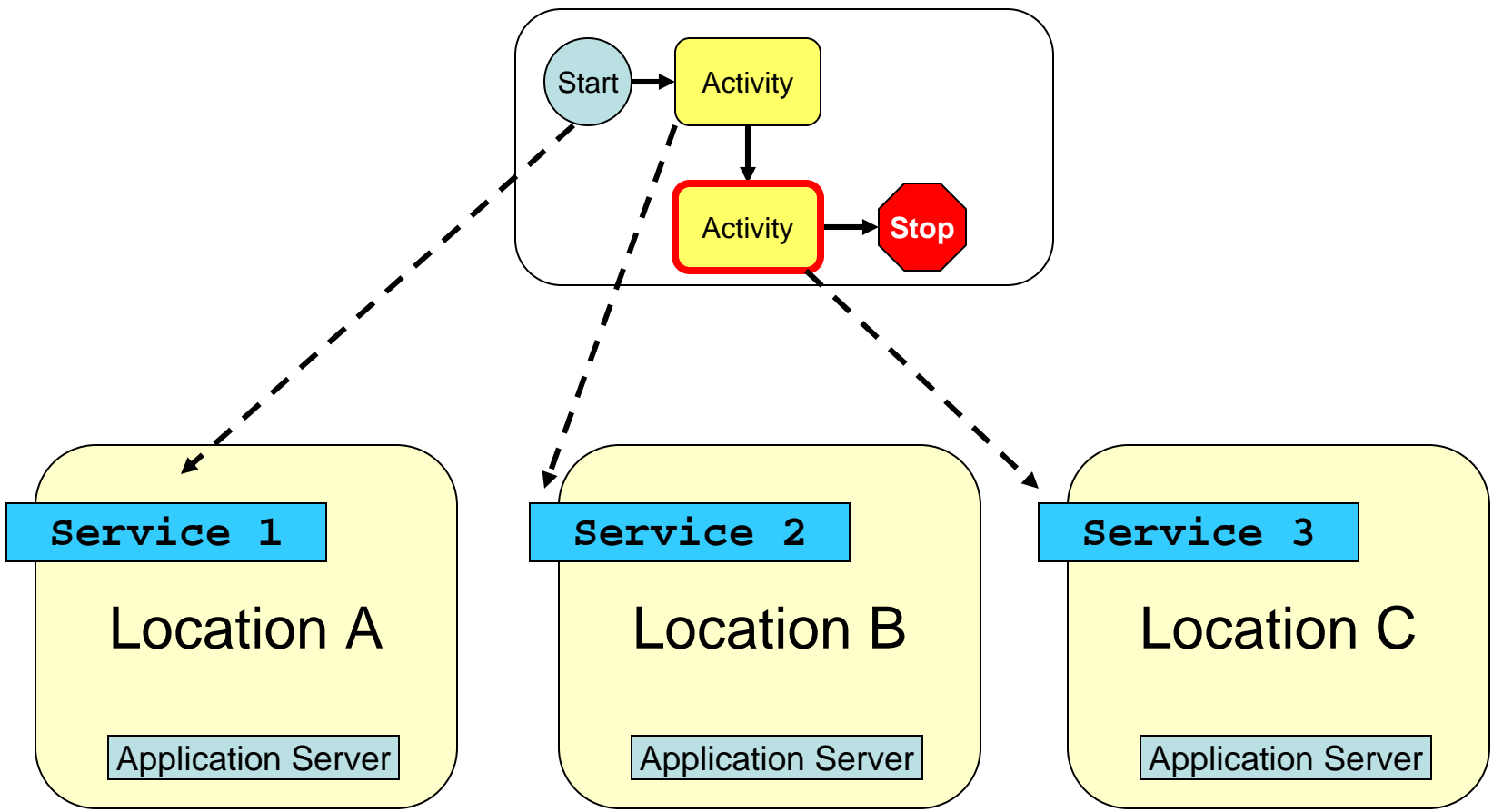 - Mini-Panel

Sample Space

Assumptions

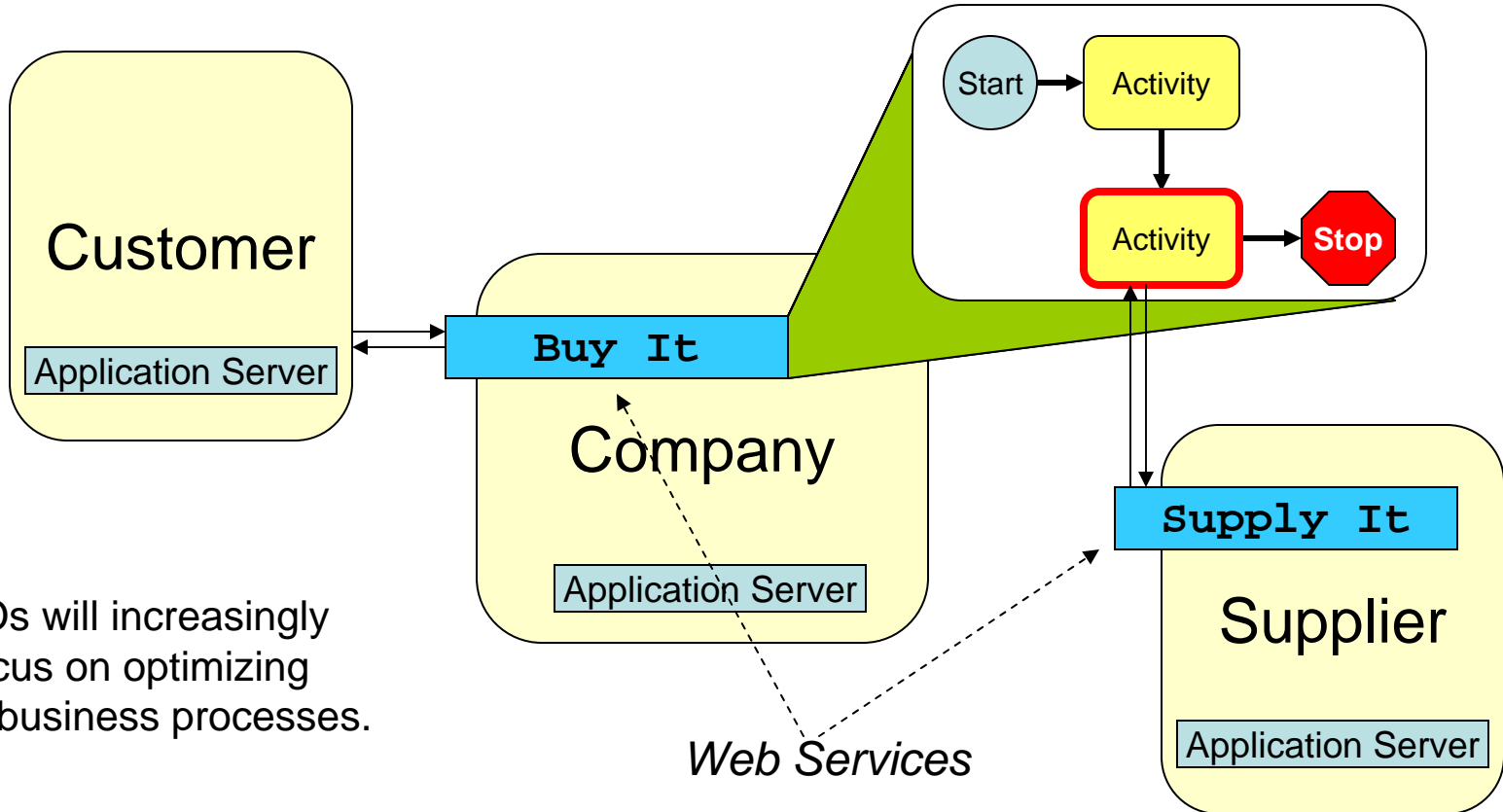## *"Programming the Enterprise"*

- Objective: Hyper-efficiency
- Mission: Eliminate "friction" resulting from intellectual decay.
- Strategy: Automate "management".
- Tactics: Web Services + Workflow = Enterprise Orchestration

Scenario:
Web Services Orchestration
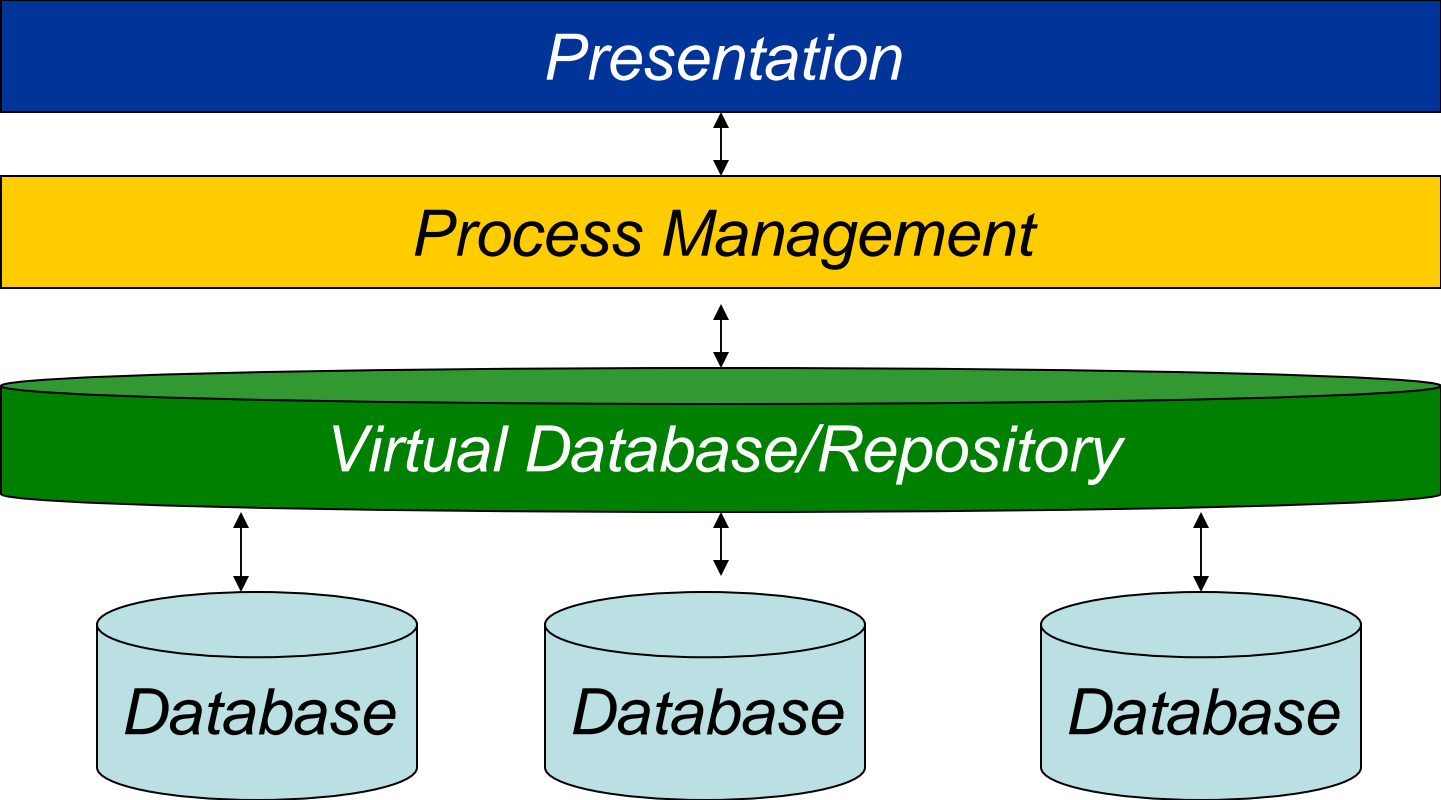
Scenario:
Processes As Web Services

Business Process Management "layer" orchestrates complex business services.

Customer

Application Server

Buy It

Company

Application Server

Start → Activity

Activity → **Stop**

Supply It

Supplier

Application Server

CIOs will increasingly focus on optimizing core business processes.

Web Services

Scenario: Virtual Data Platform

Scenario: Composite Applications
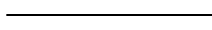
Multiple Sources

Multiple Transports

Managed View

Databases

JMS
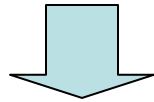
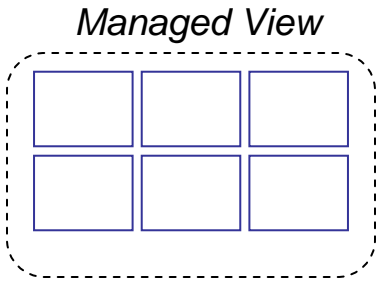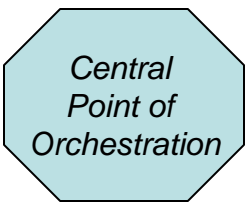*Central Point of Orchestration*

Applications

HTTP

Web Services

Personalized Applications

Key Issues

- Common User/Permission Management
- Locating intersection of process, application, & data
- Architecture supports recombination at the logic level (approach to modularity).
- Recognize "true" process
  - (example: override)
- Modular processes ("Flowlets")

Solutions

- Use external, multi-source resolver for user management; encapsulate permissions with each app module.

- Application context.

- Exposed services should be self contained.

- View "workflow" as a logic abstraction layer.

Panel

- David Noble
  - Chief Architect, Reactor 5, Oak Grove Systems
- Winston Damarillo
  - CEO, Gluecode Software
- Charles Ames
  - CEO, Oak Grove Systems