

# PeopleSoft Blackboard Integration

Srdan Reljic  
Oracular



## Oracular

- Oracular is an Information Technology Partner to North American and International Companies. Oracular's practices include JD Edwards, PeopleSoft, RedPrairie, Oracle, e-Governmanet, e-Services and now Blackboard.

## Introduction

- Blackboard Learn
  - Blackboard Learn™ can help by providing a foundation for engaging and assessing your learners inside and beyond a classroom.
  - Blackboard Learning System allows education providers to support an online teaching and learning environment
  - Much more than just a teaching platform – it's mission critical.



## Blackboard

- Blackboard Learn
- Blackboard Community System
- Blackboard Content System
- Blackboard Outcomes System
- Blackboard Portfolio
- Blackboard Transact
- Blackboard Connect



## Blackboard

- Blackboard Community System
  - includes functionality for student organizations, faculty and staff, departmental collaboration, information distribution, and single sign-on access to existing administrative systems.



## Blackboard

- Blackboard Content System
  - provides enterprise content management capabilities; and supports teaching, learning, research, archival and library, extracurricular, and departmental activities



## Blackboard

- Blackboard Outcomes System
  - enables the planning and measuring of student, teaching, and institutional outcomes, as well as provides a set of instruments for student and program assessment



## Blackboard

- Blackboard Portfolio System
  - a personal portfolio application that enables users to collect and organize their academic work
  - It creates systematic record of one's education



## Blackboard

- Blackboard Connect
  - Blackboard Connect™ service provides millions nationwide with time-sensitive information – via voice, text, e-mail, etc.
  - It's used for time-sensitive situations or just day-to-day events, safety, reliability, efficiency and speed are universal needs.



## Blackboard

- Blackboard Transact
  - enterprise software application to establish an integrated student debit account program for charging incidental expenses, such as meals and academic materials using the campus ID card.
  - Blackboard One system enables students and faculty to use their university ID cards as a form of payment off-campus.



## Integration

- Blackboard is a very complex enterprise application but it needs to interact with other enterprise applications within the system
- PeopleSoft is such an application
- PeopleSoft has an ability with Integration Broker to expose functionality via web services



## Blackboard Integration

- Snapshot – most prevalent batch based, one or two times a day process. Information is processed from a file and imported into blackboard.
- Event Based – Real Time XML events from the Student System are sent to Blackboard and processed.
- Often these two systems work together



## Blackboard Building Blocks

- Blackboard as an application is JAVA based running on Tomcat – application server
- Blackboard functionality can be extended using Blackboard Building Blocks
- Building Blocks add incredible flexibility to the application



## Blackboard Building Blocks

- Examples
  - SCT Banner Event Integration Building Block
  - Acxiom Identify-X
  - Echo 360 Lecture Caption
  - Course Merge Tool
  - E Reader's Blackboard



## Blackboard Web Services

- Building Blocks make it possible for Blackboard to consume external Web Services
- Blackboard can also expose functionality via web service



## Blackboard Web Services

- Web Services can expose:
  - Gradebook
  - Content
  - User Data
  - Discussions
  - Calendar
  - Course Data



## Blackboard Web Services

- Consumption Examples:
  - Find User in PeopleSoft
  - Create a user in PeopleSoft based on Blackboard data



## Any Questions??

- Srdan Reljic

Senior Technical Consultant

[srdan.reljic@oracular.com](mailto:srdan.reljic@oracular.com)

(920) 303 – 0470 x. 562

