Banner and WebCT Vista Integration

Jill Hyche, Board of Regents
Brian Finnegan, Board of Regents
Doug Hyche, Board of Regents
Expectations

When you walk away you will have...

- A High-Level Overview of the GeorgiaVIEW Project and WebCT Vista 3.x Implementation
- Information about the current batch extract process between Banner and WebCT Vista (SCRRIMS, ICSORIMS, ICGORLDI)
- Common Issues/Problems with Extract
- Recommendations and Best Practices for Extraction Process
- Other Information - Passwords
- Information about the future of integration between Banner and WebCT Vista
Overview

• What is WebCT Vista?
• Background and Rationale
• Project Overview (Architecture and Deployment)
• Communication Channels
• Integration with Banner – Current Practices
• Integration with Banner – The Future
• Questions and Answers
WebCT Vista: Academic Enterprise System
• WebCT Vista: An Academic Enterprise System
  – Allows sharing and reuse of materials between faculty on a single campus or across the system.
  – Allows integration with other campus systems.
  – A wide variety of teaching and learning tools.
  – Rich data collection capabilities.
  – A standards based, open architecture.
A system far more capable to meet the needs of large multi-institutional implementations was required. Such a system would need to be built on industry standard enterprise class architectures. It would need an open architecture with clear API's and SDK's to allow the development of customizations and add-on products which would be ensured functionality through future releases. It would need to facilitate sharing and reuse of materials between faculty on a single campus or across the system. It would have to allow standards based integration with other campus ERP systems and portals.
Integrated Learning Environment

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WebCT Vista

Data Warehouse
Student Information (Banner)
Transcripts
PeopleSoft

System Portal
Campus Portal
Registration
Admissions
PeachNet
Class Schedules
Bookstore

Content Repositories
GALILEO
GIL

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Project Overview
GeorgiaVIEW
Project - Goals

• To provide an integrated academic enterprise solution (WebCT Vista) to the institutions of the University System of Georgia that supports a learning framework adaptable to the needs of institutions’ students, faculty, and staff.

• 35 Institutions Implemented in WebCT Vista by end of Fall 06 Semester – Decommission of System CE Server
Major Milestones
Milestones - Accomplishments

- Banner Integration Deployment Meeting with Sungard SCT at Clayton State University in September 04
- Chartered Functional Sub Team in October 04
- First Annual WebCT Vista Institutional Administrator Meeting in November 04
- Release of Centralized and Secure WebCT Vista File Transfer Utility in December 04
- LDI for e-Learning Training Class at Augusta State University in January 05.
- WebCT Vista 3.x “Sandbox” Environment at Georgia Southern University became available to the general WebCT Vista Institutional Admin community beginning early February 05.
- Successful Implementation of WebCT Vista Certified Trainer Program – 29 individuals representing 20 institutions in June 05
- Release of WebCT Vista 3.x Training Environment at Georgia Southern University became available to the general WebCT Vista Institutional Admin community in June 05.
- WebCT Vista 3.04 Implementation 08/14/05
Current Deployment Status WebCT Vista

- 20 Institutions with System-hosted courses
  - Also Collaborative Programs, HR and PeopleSoft Training, RESA’s, AMAC
- Active Course Sections = 1,852
- Total Course Sections 78,000
- 425,000 Accounts
- Student Transactions = 10,289,818
- 2 Production Sites
- 1 Testing and Training Site
3.x Architecture

- 2 Production Sites
- 1 Testing and Training Site
- 6 mile production site distance
3.x Technical Architecture

- 0% impact backups
- Redundancy focused on db tier, admin and primary managed node
- 4tb available storage
- Low-cost app farm expansion
Communication Channels/Recommendations
Communication Channels

- Project Teams
- Institutional WebCT Vista Implementation Teams
- Listservs (VAT-L)
- Weekly Institutional Call
- Weekly Institutional Call – Banner Specific
  - Two Banner Specific Calls (1st – 28 institutions represented, 2nd – 21 institutions represented)
- WebCT – Check in 3/week
- Events/Meetings/Trainings (WebCT Certified Trainer Opportunity, Institutional Admin Certification Course – Online)
- Newsletter – First Issue Planned for January
- Annual Report – In Planning Phase
- WebCT – MySupport Review 1x Month

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Communication Recommendations

1. WebCT Vista Institutional Administrators, Secondary, Tertiary Contacts

   - Do you know the WebCT Vista Institutional Administrator on your Campus?

   - [http://alt.usg.edu/gaview/support/WebCTVistaInstAdms.pdf](http://alt.usg.edu/gaview/support/WebCTVistaInstAdms.pdf)

2. Banner Representation on Institutional WebCT Vista Implementation Team
Banner Integration - Current
Banner Integration - Current

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WebCT Vista
SIAPI Import
Post-Proc.
FTU
Extract Process
SCT SIS Banner

Pre-Registration
Registration
Drop/Add

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• ICGORLDI (version 6.1.2, located in Banner Intcomp 6.1.2) – takes the place of SCRRIMS and ICSORIMS. No longer a two step process.
• More specifically the process generates the person data (faculty and students), group data (learning contexts), section data and membership data.
• Working with 10 institutions using ICGORLDI and will continue to work with the rest of the institutions transitioning to this process. Goal is to complete transition prior to Spring 06.
• Data loaded into Training Environment first to determine how data from Banner will populate WebCT Vista.
• This initial step should be completed by all institutions so as to determine if there are any issues or concerns to be addressed.
Location and Documentation

The Integration Components processes and accompanying documentation are available on ftp.usg.edu in the following directory: banner/prod/intcomp/6/61/612.

The LDI Implementation Guide 3x is available at SunGard SCT (www.sungardsct.com).

From the Extended Search page, click DOCUMENTATION. On the Select Product drop-down menu, choose 'Banner - Luminis Data Integration (LDI).'</n

From the Banner - Luminis Data Integration (LDI) page, choose both of these documents. You will have to download them separately. The 3.x is the version of LDI not Banner. Banner is version 6.x.
1) Banner Intcomp - 6.x Banner Intcomp file
2) Release 3.x - 3.x Implementation Guide

PREREQUISITES:
The prerequisites for Integration Components 6.1.2 are:
- General 6.2
- Student 6.2
- Integration Components 6.1 or higher
- Oracle 9.2.0.4.0 (minimum)

The prerequisite for WebCT 6.1.2 is:
- Integration Components 6.1.2
Functional Notes

- Faculty will need PINs and Third Party IDs created. This can be done in the GOATPAC or GOATPAD forms in the gobtpac_external_user field. There is also a setting in GUAPPRF for creating a PIN whenever the SIBINST row is created for Faculty. The GURTPAC process will create PINs based on a population selection.

- There must be a GTVSDAX rule where gtvsdax_internal_code = 'USERSOURCE', gtvsdax_internal_code_group = 'INTCOMP', gtvsdax_external_code = 'U' and gtvsdax_desc = 'Source of Logon ID'. This selects the gobtpac_external_user field as the logon to be used in WebCT Vista.

- Sync Partner Systems field (SOBTERM_PROFILE_SEND_IND) in SOATERM must be checked for the terms you plan to run an extract.

- SCACRSE will need College code (SCBCRSE_COLL_CODE) and Department code (SCBCRSE_DEPT_CODE) for all courses. If you currently use Divisions and have your College code (SCBCRSE_COLL_CODE) set to your institution there will be a discrepancy in how the information appears in WebCT Vista.

- SCACRSE – Quarter courses will need to have an ending effective term that inactivates the course.
ICGORLDI Parameters

01: Application Code: Population selection for faculty and students
02: Selection ID:
03: Creator ID
04: User ID:
05: Term: term to be extracted - Sync Partner Systems must be checked in SOATERM
06: Extract Colleges: Y – All college data (Recommended),
    N - No college data
07: Extract Departments: Y – All department data (Recommended),
    N - No department data
08: Extract Courses: A – Active (Recommended),
    Y - All, N - No, S - Specific, L - Limited
09: Extract Sections: Y – All (Recommended),
    N - No, S - Specific, L - Limited
10: Extract Cross List: Y – All (Recommended),
    N - No, S - Specific, L - Limited
ICGORLDI Parameters

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11: Extract Persons with Logon ID only: Y – Yes (Recommended),
   N – No may include irrelevant records in the extract
12: Extract Persons: All (Recommended) or specific roles defined in
    GTVSDAX, See Vol. II – Integration 3.0 page 28 Role Processing
13: Extract Faculty Assignments: Y – All (Recommended),
    N - No, S - Specific, L – Limit
14: Extract Faculty Departments: Y - Yes (Recommended), N - No
15: Extract Student Enrollments: Y – All (Recommended),
    N - No, S - Specific, L – Limit
16: Instructional Method: (Business Practice will be released regarding
    Instructional Method at a later date.)
17: Schedule Code: (leave blank)
18: Extract Deletable Enrollments: No – Use this prior to term, Yes - Use
    this after term begins to determine drops and withdrawals. This will
    select enrollment error flags set to D and Count in Enrollment Indicator,
    Withdrawal Indicator, and Wait List Indicator set to N.
Student Population Selection

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Union Population Selections

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MD92611 - Internet Native Banner

Process Submission Controls: GJAPCTL.6.1.1 (MD92611)

Process: GUIDATA Population Selection Extract

Printer Control

Printer: NOPRINT
Special Print: 
Lines: 55
Submit Time: 

Parameter Values

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Selection Identifier 1</td>
<td>VISTA_FAC</td>
</tr>
<tr>
<td>02 Selection Identifier 2</td>
<td>VISTA_STU</td>
</tr>
<tr>
<td>03 New Selection Identifier</td>
<td>VISTA_POP</td>
</tr>
<tr>
<td>04 Description for new selection</td>
<td>Vista Faculty and Students</td>
</tr>
</tbody>
</table>

LENGTH: 30 TYPE: Character 0/R: Optional MIS: Single
Enter a description when parameter 3 is entered.

Submission

- Save Parameters
- As: 
- Hold
- Submit

Record: 40
Union Population Selections (cont’d.)

[Image of a computer interface with a window titled "MD92611 - Internet Native Banner" and a process titled "Process Submission Controls SJAPCTL 6.1.1 (MD92611)". The window shows a list of parameters with values such as "UnionIntersectionMinus", "JHYCHE", and a field for "Save Parameters As:"

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Union Population Selections (cont’d.)

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Learning Contexts

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- Server
- Domain
- Institution
  - Group
    - Course
      - Section
  - Group
    - Course
      - Section
Passwords

- **SCENARIO 1**: User already has an account in WebCT Vista and had logged into the application and reset the password. If an account existed prior to adding users through the Banner Data Extracts this Fall, then the extracts would not have updated the password information in WebCT Vista. This was documented as occurring at several institutions. Users indicated that they had not logged into the application previously. However, on further investigation these users had accessed the application and changed their password.

- **SCENARIO 2**: The user could have changed the PIN in the student/faculty web Banner interface which would mean that the password is now different than the password utilized to access WebCT Vista.

- **SCENARIO 3**: If a birth date for the user is not located on the SPAPERS Banner form, the PIN will NEVER be the birth date but rather the last six characters of their ID.
Passwords

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• SCENARIO 4: PINS are generally set to expire when the client logs into the student/faculty web Banner interface which requires the user to change it. Therefore, the PIN will no longer be the birth date.

• SCENARIO 5: The PIN is only six characters. Sometimes the user enters a new PIN that is longer than six characters in the student/faculty web Banner interface. For example, users sometimes enter the '19' part of their birth year when attempting to change the PIN to birth date. This does not generate an error message, therefore, users may be under the impression that all characters were accepted and that the change is now their new PIN.
When person data is extracted, the person’s preferred e-mail, as defined on the GOAEMAL form, is included in the data set. If a preferred e-mail is not defined for the person, the e-mail address type identified by this setting determines which e-mail address is included with the person data.

Note - It is important to have a fully qualified email address making sure to include the domain.

<email>Joe_Smith@usg.edu</email>

Set up the GTVSDAX rule as follows:
1. Internal Code: ICEMAIL
2. Internal Group: INTCOMP
3. Translation Code: (null)
4. Set the External Code: A valid e-mail address code defined on the GTVEMAL form.
Challenges with Current Process

• Some institutions using processes geared towards earlier version of WebCT – Transition to ICGORLDI

• Labor Intensive

• Time intensive

• Communication between WebCT Vista Admins and IT folks
Banner Integration – Future
Banner Integration - Future

- Vista 3.x (Future Versions)
- Banner 6.x, Banner 7.x
- LDIS
- Luminis Portal
- Other third party products – PowerLinks

http://www.webct.com/powerlinks
Banner Integration – Future Cont’d.

- OS Questions
- Distributed Components and Co-Located Components of LDIS
- Load Recommendations
- Support and Partnership
Banner Integration - Future

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WebCT Vista → Luminis Message Broker → Luminis Message Gateway → SCT SIS Banner
Banner Integration –
Next Steps

• ICGORLDI – initial batch process will take
  the place of all integration processes. Will
  need to run once in order to initialize real-
  time integration.
• Instructional Method – will drive the
  integration process.
• Upcoming Changes in Banner 7.2
• Additional Policies/Practices
Additional Resources

• Advanced Learning Technologies – http://alt.usg.edu

• GeorgiaVIEW – http://alt.usg.edu/gaview/index.phtml

• SITCAP – http://www.usg.edu/usgweb/sitcap/

• Listserv Archives http://listserv.uga.edu
Contact Information

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Jill Hyche – jill.hyche@usg.edu
Brian Finnegan – brian.finnegan@usg.edu
Doug Hyche – doug.hyche@usg.edu