

FSA Modernization Partner
United States Department of Education
Federal Student Aid



VDC Coordination Monthly Report
November 2001

Task Order #106

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1 Introduction

This is the November 2001 monthly report for Task Order XX, VDC Coordination. The purpose of this task order is to facilitate smooth operations between Modernization Partner and the Virtual Data Center (VDC) by providing a dedicated liaison team for coordination of architecture and infrastructure requirements, budgeting, and capacity planning.

2 VDC Transition Meeting Summary

The VDC Transition Planning Meeting was held each Tuesday at 9am during the period of this report. The VDC Coordination team began to coordinate and facilitate this meeting on 11/5/01. Each week a detailed set of minutes was recorded and distributed to act as an agenda for the following week. Meeting minutes were prepared by the VDC Coordination team to act as agendas for meetings held 11/13/01, 11/20/01, and 11/27/01. Each of these documents is included in its entirety in Appendix A.

3 VDC Production Meeting Summary

The VDC Production-Operations Meeting was held each Thursday at 2pm during the period of this report, with a break for the Thanksgiving holiday. The VDC Coordination team began to coordinate and facilitate this meeting on 11/15/01. A detailed set of minutes was recorded and distributed to act as an agenda for the following week. Meeting minutes were prepared by the VDC Coordination team to act as an agenda for the meeting held 11/29/01. This document (excluding the lengthy points-of-contact list) is included in Appendix B.

4 Project Requirements Reviews Summary

The VDC Coordination team scheduled and hosted preliminary requirements discussions for the Portals Rollout team on 11/14/01, for the Consistent Answers team on 11/20, and for the Students.gov team on 11/28. Attendees included the task order manager, the project technical architecture lead, the VDC Service Delivery Manager, Integrated Technical Architecture (ITA) personnel, and the VDC Coordination team. The topic of discussion of these reviews was the Preliminary Requirements for VDC Resources form. The requirements forms for Portals, Consistent Answers, and Students.gov are included in Appendix C of this document.



5 Capacity Planning Summary

The capacity planning effort during the period of this report (November 2001) was focused on the collection of forecasted Direct Access Storage Device (DASD) requirements for systems at the VDC. No report was produced for this month. The collected data was later distributed in a spreadsheet. See the December 2001 VDC Coordination Monthly Report for a copy of this spreadsheet.

6 Master VDC Transition Schedule

The VDC Coordination team began to maintain and publish the VDC Transition Schedule during November 2001. A copy of spreadsheet updated 11/20/01 is pasted below.

UPDATED 11/20/01																
VDC Roadmap Steps	Project Technical Contact	BSG	IRB	Task Order Signed	IPT Kick-off	Business Reqs. Complete	Tech Arch Design Submitted to VDC	VDC Funding Approved	Dev Environment Req'd (1) (Start/End)	Test Environment Req'd (Start/End)	Prod Environment Req'd (1)	Performance Test (Start/End)	Transition Readiness / Maintenance Doc. (2)	PRR/Go-Live Sign-off	Production Date	VDC Roadmap Status
12, 14, 5	6	4	3	11	11, 12	13, 14	15	17	18							
Corpus Based System (eCB) Release 1	Jason Platon	02/01/01	07/03/01	01/15/01	03/01/01	02/01/01	02/15/01	2/15-12/31/01	4/31-12/31/01	09/1/01	09/22-1/18	09/1/01	09/13/01	09/14/01	1 to 18	
Tech Arch Infrastructure (vnl 2)	Alex Lohr	12/08/01	04/01/01	12/01/00	03/31/01			03/31/01	td	td				10/31/01	n/a	
Enterprise Application Integration - Release 1.0	Bruce Hingsley	01/04/01	09/20/01	01/01/01	03/31/01	09/12/01	n/a	2/1-9/30/01	8/1-6/6/01	8/20-09/30	n/a	n/a	n/a	09/30/01	1 to 17 Rel 1	
FMS Phase II Rel 186 (D) LOC'S for Non-GAPS I/Fs, All remaining programs (including GAPS I/Fs)	Jeff Ross	12/1/00	03/01/01	12/11/00	05/11/01	09/21/01	02/28/01	5/11-10/1/01	5/11-10/1/01	10/1/01	9/18-9/21	09/21/01	09/28/01	10/1/01	1-13 & 15	
FMS Phase IV Rel 7 (FEEL Links Web, Web Draw-Down, COI)	Jeff Ross	9/16	Tgt - 09/01	Tgt - 09/01	01/21/02		Tgt - 10/01	8/10-1-16/02	8/10-1-16/02	03/1/02	1/15/02-1/20/02	01/25/02	01/30/02	03/1/02	1, 5, 7, 8, 15	
Enterprise Portal Strategy	Bob Roscoe	11/07/00	07/12/01	09/07/01		09/18/01		4/23-10/10		n/a	n/a			n/a	td	
SFA to the Internet (TIWAW)	Gene Murphy	3/01 *	ATP	12/01/00	12/31/01	12/22/01	n/a	n/a	4/1/01-ongoing	09/15/01	07/30-09/17	08/01/01	09/14/01	09/20/01	1 to 19	
Active Mod. Partner Development Projects																
FAFSA on the Web - Rls 6.0	Jose Alvarez							6/1/01-2/1/02	8/1/01-2/1/02	11/15/01	9/24-12/01				1 to 5	
FAFSA on the Web - Rls 7.0																
e-Sentencing	John Coleman	12/08/00	Tgt - 09/15	03/01/01	03/01/01			n/a	n/a	n/a	n/a	n/a	n/a	n/a		
FEEL System Retirement	Nancy Knecker	11/07/00	02/14/01	12/01/00	03/31/01			td	td	td				td		
COE/EA	Frank Southard	01/02/01		01/02/01	06/30/01			8/1-2/1/02	10/05-1/10/01	12/01/01	10/05-11/15			03/18/01	1 to 5	
Corpus Based System (eCB) Release 2	Jason Platon	07/02/01	01/15/01	02/01/01	02/01/01			09/02-12/30	09/02-12/30	12/15/01	11/12/01-11/19/01			12/01/01	12/15/01	
Enterprise Application Integration - Release 2.0	Bruce Hingsley	"	"	"	09/31/01	09/30/01	n/a	3/1-10/31/01	8/1-10/31/01	9/30-10/31	n/a	n/a	n/a	10/31/01	1 to 9 Rel 1	
Tech Arch Infrastructure (vnl 3)	Alex Lohr	10/15/01		12/01/01	12/15/01	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Policy Guidance Database	Andrea Hayford	N/A	N/A	09/15/01	07/20/01	09/13/01	td	9/5/01-12/01/01	9/5/01-12/01/01	01/01/02	9/5/01-12/01/01	12/30/01	02/04/02	n/a	1 to 5	
FARS Retirement / Credit Management Data Mart	Madhu Shandharaj	05/01/01	Tgt 9/15	05/30/01	06/30/01	10/08/01	n/a	09/04/01-2/29/02	10/30-2/29/02	12/21/01	12/17-12/21	01/04/02	01/18/02	01/19/02	1 to 5	
Students.gov	Ron Hodges	n/a	n/a	n/a	n/a	03/01/01	n/a	n/a	11/12-ongoing	12/1/01	12/04/01-12/19/01	n/a	n/a	n/a		
SFA/NET Redesign Version 2	Tracy Martin	n/a	09/26/01	12/5/01	td	11/01/01	n/a	td	td	td	td	td	td	td	09/05/02	
Students Portal	Jacqueline Dufort	11/15/01			11/23/01			11/02-2/21/02	2/28/02-3/29/02					04/12/02	04/15/02	
Financial Partners Portal	Jacqueline Dufort	11/15/01			11/23/01			11/02-2/21/02	2/28/02-4/3/02					04/17/02	04/18/02	
Consistent Answers	Stephanie Sadowski	12/14/01	01/07/02					03/11/02-td	06/01/02-td					09/16/02	09/30/02	
Future Projects																
NLS/Ds Modernization	td															
FinPrt Database (Phase II)	td															
SFA Portal Arch V2	td															
Definitions																
IRB - Investment Review Board meeting date																
Task Order Signed - Date TO for project consulting services signed																
IPT Kick-off - Date of Integrated Product Team kick-off meeting																
Business Requirements Complete - date completed																
Tech Arch Design Submitted to VDC - Date it was forwarded to the VDC (Tech Arch Design doc. includes logical and physical diagrams for dev, test and prod environments.)																
VDC Funding Approved - date CSC's task order/purchase order is signed for CSC services and hardware purchases																
Dev Environment Req'd - date required and date resources can be reallocated (if no longer required)																
Test Environment Req'd - date required and date resources can be reallocated (if no longer required)																
Production Environment Req'd - date hardware and operating system ready for application software install																
Target Production Date - official Go-Live date																
Stress Test - start and end dates for stress test period																
Transition Readiness (VDC) Documentation - Call-Out List, OLA, Logical and Physical Diagrams, Diagnostics list, Operations Checklist, Responsibility Matrix, Installation Guidelines. Update enterprise architecture diagram																
PRR/Go-Live Sign-off - Project Readiness Review meeting date																
Production Date - Application Go-Live. Developer access is terminated. Support responsibility transferred to the VDC and Application/Maintenance Team																
Status - The number of VDC Roadmap steps completed																
Notes (Lead Times and Other Requirements)																
1) 90 day lead time required from VDC Funding Approval to Dev Environment Req'd (including telecom connectivity to off-site development location)																
2) 10 business day lead time (after security pre-provided) for COC requests (e. EDL accounts)																
3) 6 business day lead time for all VDC requests (e. Unix system accounts, ports). Large requests (over 25 accounts) require 10 business days																
4) 60-90 day lead time for external connections (i.e. frame relay, T1) to remote development locations																
5) 10 business day code freeze for VDC planning, review, script testing and lock-down, knowledge transfer to production																
6) Transition readiness/maintenance documentation needs to be sent to the VDC 10 business days prior to the PRR scheduled date																
* Project team needs to go back to IRB with sharing savings approach																



7 VDC Roadmap Improvements

The VDC Coordination team took ownership of the VDC Roadmap in November 2001 with the objective of improving the general process of working with the VDC during the development and rollout of a system to be hosted at the VDC. The VDC Roadmap is an Adobe Acrobat document that illustrates the process and provides links to the many required documents and templates.

During the period of this report (November 2001), the VDC Roadmap Improvements effort consisted of the validation and update of the hyperlinks contained in the VDC Roadmap, and the validation and update of those items linked therein.



8 Appendix A – VDC Transition Meeting Minutes/Agendas

8.1.1 Meeting Minutes from 11/6/01, Agenda from 11/13/01

Phone Number: 1-877-714-6338/ID# 5135

Agenda

- Review Minutes
- New Announcements
- Mod Partner Projects Status
 - Common Origination Disbursements (COD)
 - FAFSA on the Web 6.0 & 7.0
 - Enterprise Application Integration (EAI)
 - Tech. Arc. Release 3
 - Students.gov
 - Students Portal
 - External Financial Partners Portal
 - SFANet Redesign Version 2
 - SFA to the Internet (TIVWAN)/(B-Trade)
 - E-Servicing
 - Policy Guidance Database
 - Enterprise Portal Strategy
 - FARS Retirement

Review Minutes

- None

Announcements

- Requests have been made as of this meeting to review carefully and make necessary changes to your timelines on the project planning schedule worksheet per each project. All Changes need to be forwarded to Denise Barnes.
- As of 10/30/01 there are 3 new projects included in the VDC Transition Plan. SFANET Redesign Ver. 2, Students Portal, External Financial Partners Portal.
- If you cannot attend please forward your updates/issues via e-mail to Denise Barnes with cc: to Slawko Semaszczuk and Robert Malloy.
- Starting 11/13/01 VDC Transition Planning Meeting will occur in the Union Center Plaza, 1st floor, Conference Room 221B



8.1.1.1 Mod Partner Projects Status

8.1.1.1.1 COD (TO 64, not awarded yet)

Tech Arch lead: Frank Southfield (202) 962 0790

Mod Partner Project Manager: Chris Merrill (202) 651 3853

SFA Business Owner: Steve Wingard (202) 377-3127/Rosemary Beavers (202) 377-3126

- Preliminary presentation has been reviewed with Steve Wingard. Encryption presentation has been reviewed with Steve Wingard
- Steve Wingard is evaluating Utica options.
- Costs estimates confirmed and information should be forwarded to Ray Thomas.
- Action Item: Early next week present Data Encryption Recommendation to Kay Jacks and Rosemary Beavers.
- Action Item: Estimate break-even point between enterprise-level option and project-level option. (Ray Thomas).
- Action Item: TCP/IP Testing needs to be completed and T1 line is up and running.

8.1.1.1.2 FARS Retirement (Credit Management Data Mart) – (TO 77/WO 4-not awarded yet)

Tech Arch lead: Madhu Shantharaj (202) 962-0663

Mod Partner Project Manager: Gray Griffith (703) 947 1718

SFA Business Owner: Sybil Philips (202) 377-3206

- Production date for DASDI Setup for 11/30/01. Production Date to Go live on 12/14/01
- CSC has ordered the hardware and a confirmation with Lydia for connection will be on 11/07/01.
- Action Item: PRR Date needs to be rescheduled.
- Action Item: Testing environment will be up today and testing to start next week.

8.1.1.1.3 FAFSA on the Web 6.0 (TO 42)

Tech Arch lead: Jose Alvarez (202) 651 3691

Mod Partner Project Manager: Chris Palladino (703) 947 2394

SFA Business Owner: Jeanne Saunders (202) 377-3246

- November 15th production and beta environment delivery schedule at extreme risk. CSC is experiencing delays in network upgrades due to Cisco delivery schedules.
- Action Item: Keith Wilson to follow up with Jim Cunningham on security issues and requirements.
- Action Item: Dave Lass, Alex Lefur and Jose Alvarez will meet to define options and new beta environment delivery schedule.



8.1.1.1.4 FAFSA on the Web 7.0

Tech Arch lead:

Mod Partner Project Manager:

SFA Business Owner: Jeanne Saunders (202) 377-3246

- Action Item: Slawko and Nina will organize a meeting during the week of Nov 12.
- Additional updates will be forwarded on 11/19/01.

8.1.1.1.5 Enterprise Application Integration (EAI) (TO 54)

Tech Arch lead: Debra Elkins (202) 651 3780

Mod Partner Project Manager: Bruce Kingsley (202) 962-0793

SFA Business Owner: Paul Peck (202) 962-0753

- Action Item: DNS for CSC and Ednet needs to be set up.
- MQMon servers will be ready on Nov. 15. Edgar Young will provide training at that time.

8.1.1.1.6 Tech. Arc. Rel. 3 (TO 69 – not awarded yet)

Tech Arch lead: Alex Lefur (202) 651 3625

Mod Partner Project Manager: Paul Peck (202)

- SFA Business Owner: Ganesh Reddy – (202) 205-8965
- 4 Beta boxes for Monday are ready for loading software, but the deadline for delivery for beta environment delivery at risk (see FAFSA above).
- Action Item: Fix connectivity issues w/routers.
- Action Item: Resolve issues related FAFSA timeline being on schedule 11/6/01.

8.1.1.1.7 Students.gov

Tech Arch lead: Lynda Folwick (202) 260-4087/Ron Hodges (202)

SFA Business Owner: Charlie Coleman (202) 260 8603

- Action Item: Costs confirmed for hosting. Keith will inform Lynda Folwick today.
- Action Item: Resolve reboot issue by migrating Cold Fusion as soon as possible for Students.gov.
- Cold Fusion issue will be resolved with occasional system reboots. Will be migrating off Cold Fusion as soon as possible for Students.gov.
- Java code is ready for testing now (waiting on test platform) for 3 environments.



8.1.1.1.8 Students Portal

Tech Arch lead: Steve Allison (202) 377-3536

Mod Partner Project Manager: Jacqueline Dufort (202) 962-0855

SFA Business Owner:

- Action Item: Schedule meeting w/Bob Malloy to make sure all requirements are met.
- Action Item: Schedule Technical Review

8.1.1.1.9 External Financial Partners

Tech Arch lead: Steve Allison (202) 377-3536

Mod Partner Project Manager: Jacqueline Dufort (202) 962-0855

SFA Business Owner:

- Action Item: Schedule meeting w/Bob Malloy to make sure all requirements are met.
- Action Item: Schedule Technical Review

8.1.1.1.10 SFANET Ver. 2 Redesign

Tech Arch Lead: Tracy Martin (202) 260-3466/Pam Wadsworth (202) 377-3538

Mod Partner Project Manager: Phil Coons (202) 260-3485

SFA Business Owner: Karen Freeman (202) 205-1531

- Action Item: ITA Team to provide comments regarding preliminary requirements and forward to Gail Gurley.
- Action Item: Workstation to set up by Lorenzo Moore once delivered to the 11th floor of UCP after the move this weekend.
- Action Item: Implementation Plan needs to be drafted for project.
- A Kick-off meeting is tentatively scheduled for 16NOV01 Version 2.0 Redesign

8.1.1.1.11 SFA to the Internet (TIVWAN) (TO 77 WO 1)

Tech arch lead: Brent Kimm (319) 341 6366

Mod Partner Project Manager: Gene Murphy (703) 947 8260/Brad Burnett (703) 284 5667

SFA Business Owner: Yolanda Brooks - (202)708 7926

- Action Item: Gene Murphy to provide performance test date to CSC by December 18th .
- Action Item: NCS to provide requirements for upgrades.
- L3000 upgrades completed.



8.1.1.12 eServicing – (TO 77 WO 3 not awarded yet)

Tech Arch lead: John Coleman (301) 212 8057

Mod Partner Project Manager: Kerry Trahan (703) 947 2899

SFA Business Owner: Dan Hayward (202) 205 0038

- No issues to report

8.1.1.13 Policy Guidance Database

Tech Arch lead: Andrea Hayford (202) 377-4052/Wanda Broadus (202) 377- 3539

SFA Business Owner: Anthony Jones (202) 377-4045

- No Issues
- Action Item: Working on Due Diligence as far as what needs to be on the service.
- Action Item: Alex Lefure to review User Authentication to be implemented for to help resolve security issues

8.1.1.14 Enterprise Portal Strategy (TO 48)

Tech Arch lead: Kristin Clifton (301) 803

Mod Partner Project Manager: Yateesh Katyal (202) 652 3771

SFA Business owner: Constance Davis (202) 377-3520/Steve Allison (202) 377-4045

- Action Item: Phase one code delivery on time installed successfully.
- Final presentation on Friday was successful.



8.2 Meeting Minutes from 11/13/01, Agenda from 11/20/01

Announcements

- Dave Woods is assuming responsibility for minutes starting 11/20/01 – please forward updates to Dave (schedule, issues, meeting announcement distribution, etc.) david.d.woods@accenture.com, 202-962-0750
- Starting 11/13/01, VDC Transition Planning Meetings will be held in Union Center Plaza, 1st floor conference room 221B
- If you cannot attend, please forward your updates / issues via e-mail to Dave Woods with cc: to slawko_semaszczuk@ed.gov, robert.d.malloy@accenture.com by COB on Monday

8.2.1.1 Mod Partner Projects' Status

8.2.1.1.1 FAFSA on the Web 6.0 (TO42)

- Beta environment delivery date to FAFSA team moved from Nov. 15 to Nov. 26
- Critical path router hardware delivered by Cisco on Nov. 13, consistent with new plan
- Delivery of HP Loaner boxes for Production delayed from Nov.15 to Nov. 30
- Overall beta and production schedules will be reviewed at Weds. FAFSA Tech Arch meeting
- **Action Item:** Keith Wilson and Jim Cunningham - deliver Security Report to Students Channel
- **Action Item:** Chris Paladino - distribute overall schedule prior to Weds. Meeting
- **Action Item:** Jerry Ryzner – confirm HP Loaner delivery date

8.2.1.1.2 COD (TO64)

- Encryption – presenting options to Steve Wingard and Rosemary this week
- MQM User Ids – requesting extension from VDC. Will discuss at Thurs Production meeting.
- ATM – all hardware has been ordered. On schedule for 12/17 installation for AFSA
- T1 Configuration – initial testing completed. Application testing this week

8.2.1.1.3 FAFSA on the Web 7.0

- No update
- **Action Item:** Slawko and Nina – organize a kick-off meeting in the coming weeks



8.2.1.1.4 FARS Retirement (Credit Management Data Mart) (TO77/WO 4)

- Production Date moved to January:
 - Prod environment required: was 11/05, now 12/21
 - Performance Test: was 10/29 – 11/2, now 12/17 – 12/21
 - Transition Readiness: was 10/29, now 1/4
 - PRR: was 12/7, now 1/16
 - Production: was 11/23, now 1/19
- Moving off of FMS boxes: TEST moving from L8 to HPV1. DEV still on L6, eventually moving to HPV1. PROD remains on HPV2

8.2.1.1.5 Enterprise Application Integration – EAI (TO54)

- No issues to report

8.2.1.1.6 Integrated Tech. Arch – ITA R3 (TO69)

- Major focus is FAFSA environments

8.2.1.1.7 Students Portal / FP Portal – (TO?)

- Prelim Reqmts review held at 10:00 on Nov. 13
- **Action Item:** Jacqueline Dufort – update requirements document
 - Breakout requirements by release
 - Add need dates for environments
 - Update technical diagrams to include only H/W and S/W that is being used for Portals

8.2.1.1.8 eServicing – (TO77 WO 3)

- No issues to report.

8.2.1.1.9 SFA to the Internet (TIVWAN) (TO77 WO 1)

- No issues to report
- Performance results are being evaluated to determine server upgrade approach



8.2.1.2 CIO Projects

8.2.1.2.1 Students.gov

- Waiting for Lynda to return to confirm funding approval.

8.2.1.2.2 SFANet Ver. 2 Redesign

- Kick-off meeting planned for December 5, 2001
- **Action item:** Implementation Plan needs to be drafted

8.2.1.2.3 Policy Guidance Database

- Requested access to V5 machine
- **Action item:** Wanda Broadus – complete volume data on Due Diligence document by Nov. 26
- **Action item:** Review User Authentication design with Alex Lefur from a standards perspective.



8.3 Meeting Minutes from 11/20/01, Agenda from 11/27/01

Meeting Information

Meeting Name: VDC Transition Planning Meeting
Chairs: Bob Malloy (Mod Partner), Slawko Semaszczuk (CSC)
Facilitator: Bob Malloy (Mod Partner)
Date: November 27, 2001
Time: 9:00 AM – 9:50 AM EDT
Location: Conference call dial-in, or Rm. 221b in 820 Union Center Plaza
Phone Number: 1-847-714-4281, ID# 4400

Announcements

- Please carefully review timelines on the project planning spreadsheet and forward updates as necessary
- Need to work with each project to identify a weekly TA meeting time to discuss issues that are beyond the scope of this meeting as the need arises
- Please forward updates to Dave Woods (schedule, issues, contacts, meeting announcement distribution, etc.), david.d.woods@accenture.com, 202-962-0750
- If you cannot attend, please forward your updates / issues via e-mail to Dave Woods with cc: to slawko_semaszczuk@ed.gov, robert.d.malloy@accenture.com by COB on Monday

8.3.1.1 Mod Partner Project Status

8.3.1.1.1 FAFSA on the Web 6.0

Tech Arch lead: Jose Alvarez, 202-651-3691

Mod Partner Project Manager: Chris Paladino, 703-947-2394

SFA Business Owner: Jeanne Saunders, 202-377-3246

Weekly TA Meeting: Wednesday 2pm

- Beta environment delivery on schedule for Nov. 26 to FAFSA team
- HP Loaner boxes for Production arrive at VDC on Nov. 26, turn-over to ITA by COB Nov. 29
- Overall beta and production schedules will be reviewed at Weds. FAFSA Tech Arch meeting
- Network outages planned for Dec. 2, 9, 16 during normal outage windows
- Next full Performance test planned for Dec. 4 or 5
- **Action Item:** Bruce Gendler - deliver Security Report Exec Summary, COB Nov. 28
- **Action Item:** Jeff Robinson & Chris Palidino – present best guess of entire hardware plan to Students Channel management by Nov. 30



8.3.1.1.2 COD

Tech Arch lead: Frank Southfield, 202-962-0790

Mod Partner Project Manager: Chris Merrill, 202-651-3853

SFA Business Owner: Steve Wingard, 202-377-3127 / Rosemary Beavers, 202-377-3126

Weekly Network Arch and Infrastructure Meeting: Thursdays, 9am

- Installation of ATM DS3 connection at VDC delayed six weeks by Sprint. This is a **major risk** to the critical path. Daily meetings being held with all parties to find alternative approach
- Niagara Falls connection will be completed by 12/17, Utica and TSYS on schedule
- Encryption – Business owners agree with recommendation but budget issue remains
- MQM User Ids – being requested, should have by COB 11/21
- T1 Configuration – initial testing completed. Application testing this week
- **Action Item:** Keith Wilson – schedule Hawald / Saunders presentation

8.3.1.1.3 FARS Retirement (Credit Management Data Mart)

Tech Arch lead: Madhu Shantharaj, 202-962-0663

Mod Partner Project Manager: Gray Griffith, 703-947-1718

SFA Business Owner: Sybil Philips, 202-377-3206

Weekly TA Meeting: **TBD**

- Moving off of FMS boxes: TEST moving from L8 to HPV1. DEV still on L6, eventually moving to HPV1. PROD remains on HPV2
- **Action Item:** Brad Wilson – schedule meeting to discuss DEV move

8.3.1.1.4 Students Portal / FP Portal

Tech Arch lead: *TBD*

Mod Partner Project Manager: Jacqueline Dufort, 202-962-0855

SFA Business Owner: Steve Allison, 202-377-3536

Weekly TA Meeting: *TBD*

- Prelim Rqmts form reviewed and revised week of 11/13

8.3.1.1.5 Consistent Answers

Tech Arch lead: Stephanie Sadowski, 202-962-0876

Mod Partner Project Manager: Darrel W. Cravens, 202-962-0865

SFA Business Owner: Kay Jacks, *ph# TBD* / Jennifer Douglas, 202-377-3200

Weekly TA Meeting: Tuesday, 3pm



- Developing cost estimates with VDC
- Prelim Rqmts form reviewed and revised week of 11/20, follow-up review to be conducted Tuesday, 11/27, 3-4pm

8.3.1.1.6 eServicing

Tech Arch lead: John Coleman, 301-212-8057, 703-947-1372

Mod Partner Project Manager: Kerry Trahan, 703-947-2899

SFA Business Owner: Dan Hayward, 202-205-0038

Weekly TA Meeting: *TBD*

- Need to connect to the PIN site at the VDC, need to coordinate this ASAP
- **Action Item:** Dave Woods – organize Prelim Requirements review – review likely 11/28

8.3.1.1.7 FAFSA on the Web 7.0

Tech Arch lead: *TBD*

Mod Partner Project Manager: *TBD*

SFA Business Owner: Jeanne Saunders, 202-377-3246

Weekly TA Meeting: *TBD*

- No update
- **Action Item:** Slawko and Nina will organize a kick-off meeting the week of 12/3

8.3.1.1.8 Enterprise Application Integration

Tech Arch lead: Bruce Kingsley, 202-651-0793

Mod Partner Project Manager: Bruce Kingsley, 202-962-0793

SFA Business Owner: Paul Peck, 202-962-0753

Weekly TA Meeting: *TBD*

- No issues to report

8.3.1.1.9 Integrated Tech. Arch – ITA R3

Tech Arch lead: Alex Lefur, 202-651-3625

Mod Partner Project Manager: Paul Peck, 202-962-0753

SFA Business Owner: Ganesh Reddy, 202-205-8965

Weekly TA Meeting: *TBD*

- Major focus is FAFSA environments



8.3.1.2 CIO Project Status

8.3.1.2.1 Students.gov

Tech Arch lead: Ron Hodges, 202-260-4087

Project Manager: Lynda Folwick, 202-260-4087

SFA Business Owner: Charlie Coleman, 202-260-8603

Weekly TA Meeting: *TBD*

- Approved to start work
- **Action Item:** Dave Woods – organize Prelim Requirements review – review likely 11/27 or 11/28

8.3.1.2.2 SFA Coach

Tech Arch lead: *TBD*

Project Manager: *TBD*

SFA Business Owner: *TBD*

Weekly TA Meeting: *TBD*

- John Hsu and Pam Wadsworth will be scheduling a preliminary kick-off meeting with the next 2-3 weeks

8.3.1.2.3 SFANet Ver. 2 Redesign

Tech Arch Lead: Tracy Martin, 202-260-3466 / Pam Wadsworth, 202-377-3538

Project Manager: Phil Coons, 202-260-3485

SFA Business Owner: Karen Freeman, 202-205-1531

Weekly TA Meeting: *TBD*

- Kick-off meeting planned for December 5, 2001
- **Action item:** Implementation Plan needs to be drafted

8.3.1.2.4 Policy Guidance Database

Tech Arch lead: Andrea Hayford, 202-377-4052 / Wanda Broadus 202-377-3539

Project Manager: *TBD*

SFA Business Owner: Anthony Jones, 202-377-4045

Weekly TA Meeting: *TBD*

- On schedule
- **Action item:** Wanda Broadus – complete volume data on Due Diligence document by Nov. 26
- **Action item:** Review User Authentication design with Alex Lefur from a standards perspective.
- **Action item:** ITA Team –provide response to tech questions by Nov. 27



9 Appendix B – VDC Production-Operations Meeting Minutes/Agendas

9.1 Meeting Minutes from 11/15/01, Agenda from 11/29/01

Meeting Information

Meeting Name: Mod Partners Change/Production/Operations Meeting
Chairs: Dave Woods (Mod Partner), Dave Lass (CSC)
Facilitator: Dave Woods (Mod Partner)
Date: [November 29, 2001](#)
Time: 2:00 PM – 2:50 PM EDT
Location: Conference call dial-in, or Rm. 432 in 830 Union Center Plaza
Phone Number: 1-877-714-4281, ID# 4500

Applications in Production and Supported:

Application	Support Team
FMS	Mod Partner OPS Team
IFAP	Mod Partner OPS Team
Schools Portal	Mod Partner OPS Team
CFO Data Mart	Mod Partner OPS Team
FP Data Mart	Mod Partner OPS Team
ITA R1	Mod Partner OPS Team
Ombudsman	ROH
CBS	Mod Partner Development Team
DLM Data Mart	ACS



Agenda:

Subject	Time
Production Issues Review/Update items (5 minutes) Other ?(5 minutes)	10 minutes
Planned Activities on Production Machines	30 minutes
Review Open Action Items	10 minutes
	Total: 0:50

Production Issues (10 Minutes):

Item No.	Subject
46	VDC Schedule of Network Changes from 09/09 to 12/19
	1. Install backup firewall in place of FWL2 Complete
	2. Install 440 Firewalls ih VRPP mode Complete
	3. Add HSRP Complete
	4. Install test/dev firewall Complete
	5. Complete build out of new internet infrastructure 09 Nov
	6. Move new internet infrastructure to production 11 Nov
	7. Move first server into new infrastructure 18 Nov
	8. SNET ISP upgrade 02 Dec
	9. Move FAFSA 5.0 behind Nokia 650 firewalls 09 Dec
	10. Genuity ISP upgrade 16 Dec
	11. Reschedule ISP failover TBD



Planned Activities (30 Minutes):

Item No.	Description	Nov 01	Dec 01	Jan 02	Feb 02	Mar 02
20	<p>FMS CRs</p> <p>11/1 – Another emergency CR coming to fix some code that would not compile (1 procedure). Also resolving some performance issues.</p> <p>11/8 – Completed emergency CR. May have another this week. Regular CR scheduled for Monday 11/12.</p> <p>11/15 – Emergency CR scheduled 11/16 morning. New issue: FMS performance issue with journal import and GL posting, custom code being developed, additional emergency CR will implement new code.</p>					
56	<p>NT Admin Activities</p> <p>11/19 – Update/clean user accounts for Rational</p>					
29	<p>SUN Admin Activities</p> <p>11/15</p> <ul style="list-style-type: none"> - Setup a script that tracks and removes core files from the system at a regularly scheduled interval - Cleanup of the mail files on all the systems - Install MQMon agents as part of CSC Middleware support on servers su35e9, se35e13 – Complete 11/14 - Apply a block on direct MQM account logins 11/21. This is to stop people from directly logging into the servers with the MQM account and will provide CSC a way to track who is logging into the servers. 					



Item No.	Description	Nov 01	Dec 01	Jan 02	Feb 02	Mar 02
35	<p>Migration of eCampus Based (eCB) Clearquest Database server from SQL to Oracle</p> <p>There is a forthcoming migration of the SQL Server ClearQuest database at Beacon to Oracle at the VDC. Date will be determined later.</p> <p>8/23/01 – Rich will work on setting up an environment for this. He is still waiting for space table requirements. Off-line conversation will take place to figure out necessary details.</p> <p>8/30/01 – Rich has created the instances that were requested. Samson is testing the instances and has sent a ticket to Rational Support. At this point, all requests to the VDC thus far have been completed.</p> <p>9/6/01 – Per Samson, the next step is for migration. This will be scheduled with the eCampus Based Project.</p> <p>9/20 – No update</p> <p>9/27 – Environment setup is complete. No date yet on the migration – Dale will provide date.</p> <p>10/4 – Will have a meeting with Rational Support and eCB team next Thursday to plan logistics on migration and schedule.</p> <p>10/11 – Meeting was held 10/11. Dale Duncan is rolling off. Will develop a plan with Dale’s successor to perform the migration in mid Jan.</p> <p>10/18 – No change in status.</p> <p>10/25 – No update.</p> <p>11/1 – Samson is having a problem deleting a Clearquest database in Oracle. Also, eCB Rational migration is now set for Feb/Mar.; this item is on hold except for a migration plan.</p> <p>11/8 – Clearquest DB issue listed 11/1 reported resolved.</p> <p>11/15 – Site visit possibly in December at Beacon, migration still scheduled Feb/Mar</p>					



Item No.	Description	Nov 01	Dec 01	Jan 02	Feb 02	Mar 02
47	<p>eCB CRs</p> <p>9/20 – Change request is coming in about 4 weeks. 9/27 – Correction – next change request is in December. Also, E13 has a time out error. The fix has not been migrated due to heavy user activity this week – will be migrated next week. 10/4 – No update. 10/11 – CR was sent to Dave Lass on 10/11. Tentative date is unknown – waiting for client approval. Probably will need this turned around within one week. 10/18 – CR received at VDC 10/18 – ready to be scheduled. 10/25 – CR [#1] was implemented successfully. A new CR will be submitted by 10/26 – VDC has an advanced copy; hope to implement 10/26 if client approval is received, though this is not urgent. 11/1 – CR #2 was implemented successfully. New CR (#3) to be submitted by 11/8, with requested implementation date of 11/8 if client approves, although not urgent – VDC will receive an advanced copy. 11/15 CR #3 to be implemented 11/21. Transitioning application maintenance to Indus Corporation – no changes to website anticipated until mid-Feb 02.</p>					



Item No.	Description	Nov 01	Dec 01	Jan 02	Feb 02	Mar 02
31	<p>Ombudsman Password Change</p> <p>Need to change password for Ombudsman and test. Chuck Biddiscombe is to work with Mark Mandrella on this.</p> <p>7/19/01 – Chuck will return from vacation week of 7/23. Mark will talk with Chuck then.</p> <p>8/2/01 – The development server is being worked on to get it up and running. Several Siebel developers are working on this effort.</p> <p>08/09/01 – Working on the effort</p> <p>09/06/01 – ROH will now pick up on this password issue.</p> <p>9/20 – No update</p> <p>9/27 – No update.</p> <p>10/4 – ROH will work with Chuck B.</p> <p>10/11 – Ashwin is working with Chuck Biddiscomb (VDC/CSC employee, NT Administrator), to rehearse password change in Development machine. Ashwin talked to him this morning, have gathered all necessary information and will performed Friday (10/12/01) afternoon.</p> <p>If everything goes smooth, we will do same steps on Production machine when password changes next time. We will perform all this steps on development machine until we are confident.</p> <p>10/18 – Works successfully in Dev.; procedures were created; will use these procedures on the next scheduled password change date in Prod.</p> <p>Hold closure pending successful implementation in Prod. (Nov?).</p> <p>10/25 – CR was submitted to upgrade the Outlook client on the production server.</p> <p>11/1 – Password change is scheduled for 11/11; Outlook client change is scheduled for 11/4; new CR was submitted to add FTP to the servers.</p> <p>11/8 – Outlook client change reported complete.</p> <p>11/9 – 11/11 password change rescheduled TBD date.</p> <p>11/15 – Password change may happen evening of 11/15.</p>					



Item No.	Description	Nov 01	Dec 01	Jan 02	Feb 02	Mar 02
55	Ombudsman CR 11/19 – Dept of Ed requested enhancement – need to put newly complied SRF files into Ombudsman production server. Implementation requested 11/19.					
54	CFO Data Mart Migration 11/15 – CFO Mart migrating new objects from development server to production, VDC will need to backup repository					



Open Action Items (10 Minutes):

Item No.	Open Date	Description	Assigned To	Comments	Target Date	Close Date
51	11/02/01	<p>Need Mapping ability to SFANT001</p> <p>Mark Mandrella needs the ability to map his desktop to the SFANT005 machine in order to create documents for client requests. 11/11/01 – Dave Lass sent an email to Slawko Semaszczuk asking for SFA guidance on the issue.</p>	Mark Mandrella	9.1.1.1.1	No target	
52	11/13/01	<p>IFAP WebTrends</p> <p>VDC shows partially empty log file, looks like WebTrends data not captured from 1am to 7am each day 11/11 – 11/13. John Hsu confirmed that WebTrends reports are ok. VDC will investigate.</p>		9.1.1.1.2		
53	11/12/01	<p>Ombudsman FTP</p> <p>Hummingbird FTP 6.2 has been installed on Ombudsman Dev., however there are still some action items:</p> <ul style="list-style-type: none"> - Give IP address of server 4.20.2.242 to DOE staff so they can setup URL on DNS for the test FTP site. - Set up any special configs that will be needed. Used defaults for install 		9.1.1.1.3		
Long-term Action Items						
57		(none)				

Next Scheduled Meeting:

November 29, 2001 @ 2:00 PM EST via Telecon 1-847-714-4281 (new number), ID# 4500



10 Appendix C – Preliminary Requirements Form

10.1 Portals Rollout Form

The purpose of this document is to provide the VDC staff with advance notice of pending requirements and identify major cost drivers. This should include the best information available at the time (prior to IRB approval). It is recognized that this information may change during the course of the detailed design. This document essentially represents the major components of a technical architecture design deliverable. If a draft technical architecture design document is available containing the information required below, that can be provided in lieu of sections 4 – 7.

1. Project Name, Description and Contact Information

- Provide a brief overview of the project, who the project sponsor is, who the users are, the business purpose of the application, and expected number of users.
- List contact information for the VDC technical contact for the project.

TO #79 – Portal Rollout Team – Jacqueline Dufort – Manager (202-962-0855)

Overview - SFA's Internet channel has more than 35 web sites connected to multiple back-end systems with hundreds of web pages. The SFA websites do not provide for a unifying theme or a consistent common look and feel across all sites. Students and Financial Partners do not have one single entrance point to access SFA's Internet services; they must access multiple URLs to retrieve financial aid information. SFA web sites need a personalized starting point for Students and Financial Partners to enter through one "front door" to access a single view of internally and externally stored content/information, application/services, business processes, and knowledge assets for every channel.

Business Problem:

- No single starting point for SFA customers
- No single view of information that can be personalized for Students or Financial Partners
- No integration across multiple websites and systems for internal and external use
- No uniform common look and feel for SFA web site(s)
- No consistent standards and architecture
- No common customer care component across all sites

Solution:

- Build an SFA Portal for Students, Parents and Financial Partners to access SFA information.

Project sponsor – Connie Davis – SFA CIO / Jennifer Douglas – GM Student Channel / John Reeves – GM Financial Partners Channel

Users – Students, Parents, and Financial Partners



Business purpose of the application – The SFA Portal will bring together, in one simple, personalized Web page all the information and productivity tools relevant to SFA's students, parents and partners to make informed financial aid decisions and empower financial partners to assist students. The personalized "front door" will automatically identify and distribute content relevant to each user. The portals will integrate existing SFA web sites (e.g., FAFSA, NSLDS, DLSS, etc...) providing a uniform starting point for students and financial partners to access SFA.

Expected number of users –

- Total # users approximately 15,000 – 20,000.
- Avg. number of users per day is 5,500
- 250 - 300 simultaneous users during peak hour.
- Session avg. 6 minutes
- Peak hours are from 4:00pm – 6:00pm in all time zones Mon – Fri and Noon – 4:00pm Sun
- Peak Months are Feb, Mar., Apr., Aug

Contact information for the VDC technical contact for the project:

Aimee D. Byrd – 678-657-8913 / 202-962-0873
 Chris Lawson - 678-657-6108 / 202-962-0870
 Matt Wilson – 214-853-2741 / 202-962-0864

2. Project Milestone Dates

List key milestone/target dates: IRB, Task Order Signed, development/test/production environments required, PRR date, Go-Live date.

S FA Portal (Release 1)	
	<u>Date Needed</u>
Development Environment	01/02/02
Test Environment	02/07/02
Staging Environment	02/28/02
Production Environment	03/15/02
PRR	04/01/02
Go-Live	04/08/02

Release 2 and Release 3 Schedules – In Discussion. Release 2 is tentatively scheduled to go into Production in July and Release 3 is tentatively scheduled to go into production in October.

Application Development and Support

- Where will application development be done?
- Who will do application development (Mod Partner, third party contractor)?
- What development services (i.e. systems admin, development DBA) will be required of the VDC (if any)?
- Who will do application maintenance and production support (Mod Partner, VDC, third party contractor)?

Where: Application Development Location – On-site (DOE – buildings 820/830)

Who: Application Development – Mod Partner



What: Application Development Services – system admin, DBA
Who: Application Maintenance and Production Support – From Release 1 to Release 3 (April 2001-October 2001) Mod Partner Development Team will be responsible. Post Release 3 (October) – TBD.

3. Technical Architecture

Provide logical and physical architecture diagrams with brief descriptions of architecture components.

- Include specific hardware platform, operating system, database, application software, middleware, etc...
- Show all interfaces to other applications and indicate their location (if outside the VDC).
- Indicate key architecture decisions pending (i.e. hardware platform, database, number of servers).
- What software development platform will be used?

- Application will be developed on Windows NT 4 with VisualAge for Java 3.5
 - See Appendix A for Tech Arch diagrams and components (DB and Content Mgmt decisions are pending but are indicated in diagrams)
- Show all interfaces to other applications and indicate their location (if outside the VDC). TBD

Network Connectivity Requirements

- Show all methods for accessing the application (i.e. web, Virtual Private Network (VPN), EDNet).
- Include all connectivity to off-site development environments or other systems (if required).
- Methods for accessing application through Web and EDNet

Database Requirements

- Any information about database requirements such as expected database size, OLTP vs. data warehouse, magnitude of expected transaction and data volumes, back-up frequency (weekly vs. nightly, system availability requirements (24x7 vs. 8-5 weekdays), etc.

Database = Oracle DB - Storage of approximately 5,000 records with 50 fields of data per record.
Back-up frequency = nightly
System availability = 24 x 7

Privacy and Security

- Does this system store Privacy Act information (i.e. individual borrower information)? How will privacy act data be protected?
No
- Is this system a 'system of record' (i.e. does it create a new database of information associated with individuals such as individual borrower information)?
No
- Briefly describe how the major security concerns (availability, confidentiality, integrity, and auditability) are addressed.
No major security concerns. Existing SFA websites will continue to provide security to enterprise application transaction systems.
- What major security and encryption techniques will be employed (i.e. application userid/password, VPN, Secure Socket Layer (SSL), digital certificates, etc...).



User ID and Password will be used to store non-privacy act information for customer personalization purposes. SSL will be used.

- Can existing enrollment processes for VPN or TIVWAN be leveraged for enrolling users (i.e. collecting user information for creating userids)?

Yes. Users wishing to access direct loan, consolidation or FAFSA status information will be transferred to the PIN site to be authenticated.

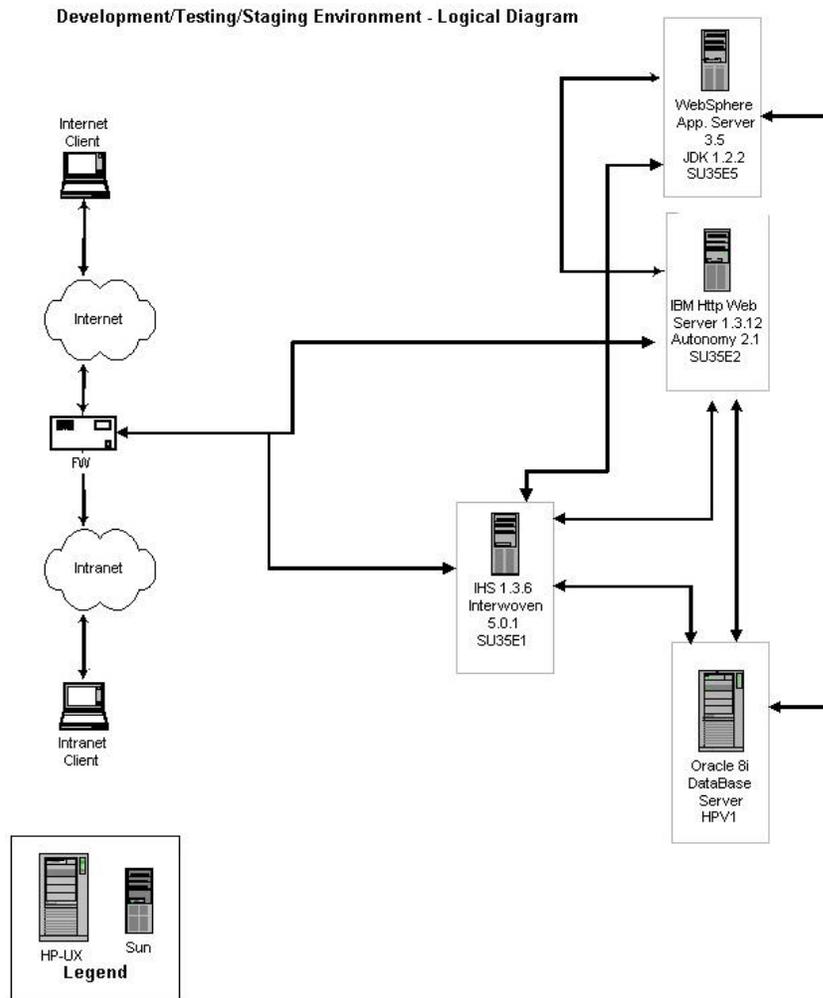
- Can Lightweight Directory Access Protocol (LDAP) be used?

LDAP can be used

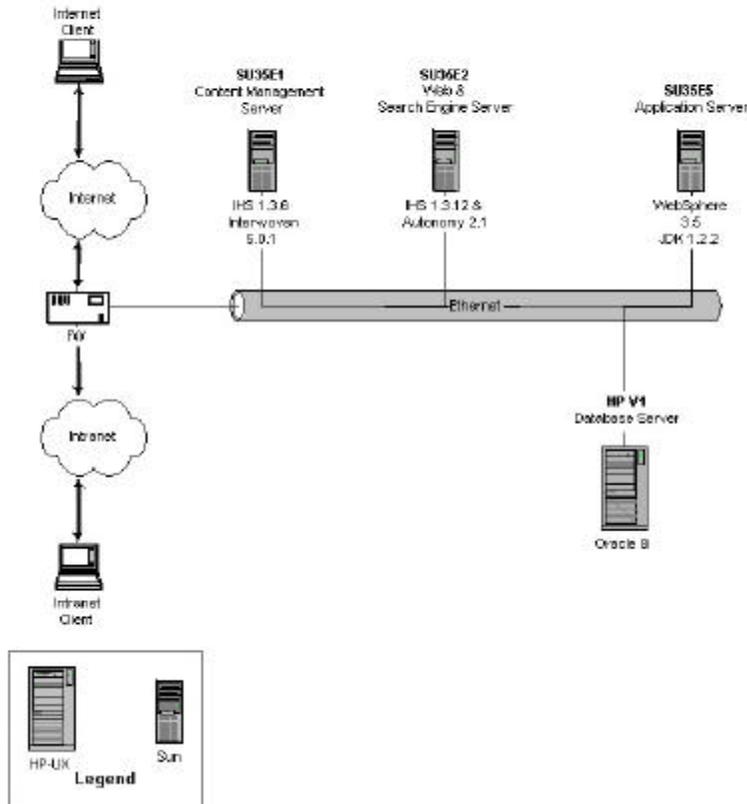
- Verify cookies will not be used (since they are not allowed at the Department of Education).

Cookies will not be used

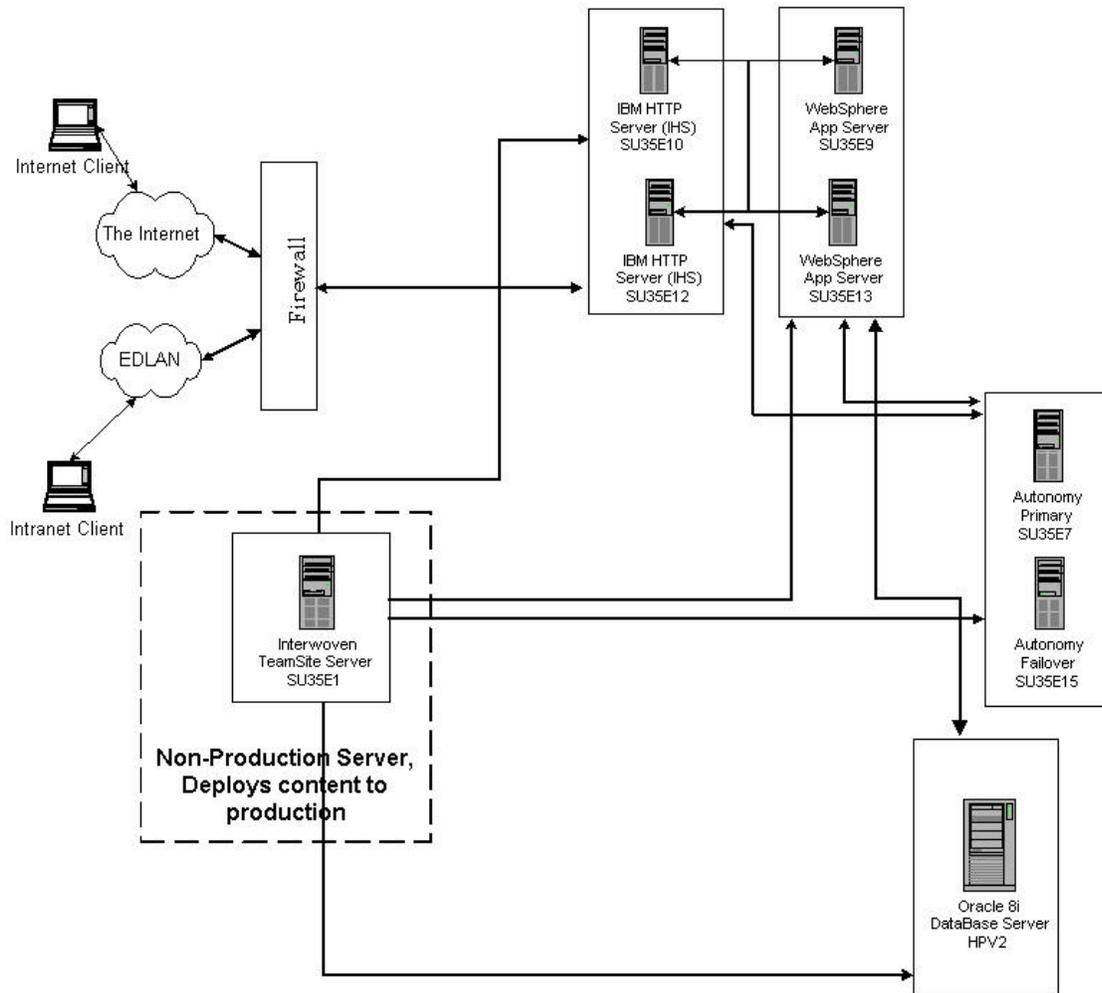
10.1.1 Logical and Physical Architecture Diagrams for Portals



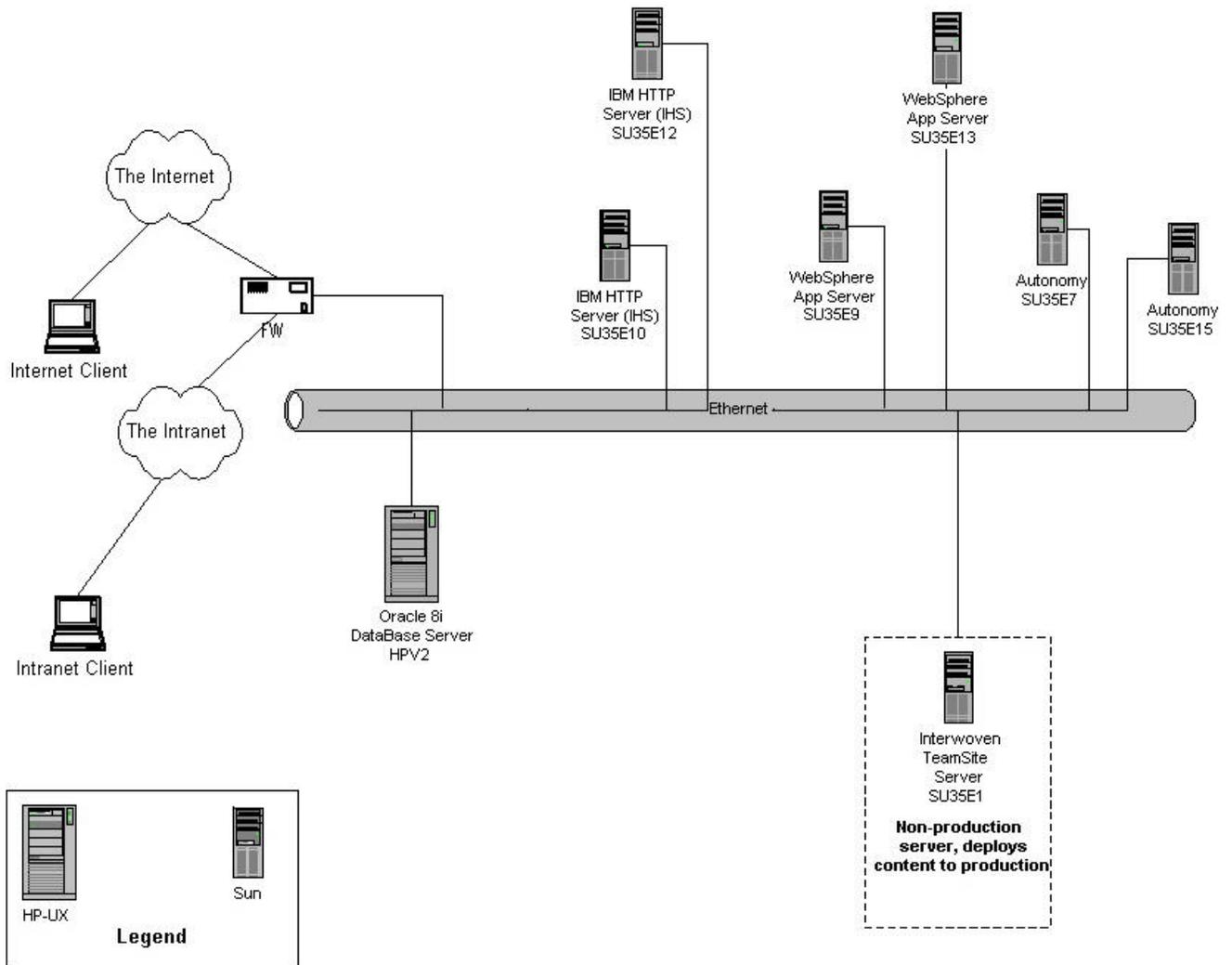
Development/Testing/Staging Environment - Physical Diagram



Production Environment - Logical Diagram



Production Environment - Physical Diagram





10.2 Consistent Answers Form

The purpose of this document is to provide the VDC staff with advance notice of pending requirements and identify major cost drivers. This should include the best information available at the time (prior to IRB approval). It is recognized that this information may change during the course of the detailed design. This document essentially represents the major components of a technical architecture design deliverable. If a draft technical architecture design document is available containing the information required below, that can be provided in lieu of sections 4 – 7.

4. Project Name, Description and Contact Information	
<ul style="list-style-type: none"> - Provide a brief overview of the project, who the project sponsor is, who the users are, the business purpose of the application, and expected number of users. - List contact information for the VDC technical contact for the project. 	
Consistent Answers – Implementing a CRM solution (Siebel, etc) to enable the target state CSDM.	
Project Sponsors – Kay Jacks, Jennifer Douglas	
Users – Call Center employees, SFA – DC, SFA Regional Offices, Schools, Students, Parents	
Expected numbers (roll-out spans over 2 year period, and numbers are still being refined) – call center employees (900), SFA DC, Regional Offices (250), Schools (5000), Students/Parents (15,000 – 20,000)	
Contacts:	
Siebel- Stephanie Sadowski (202-962-0876) – primary, Darrel W. Cravens (202-962-0865) secondary	
CTI/IVR – John Yaggie (716-485-6283) – primary, Chris Domergue (202-962-0880) secondary	
5. Project Milestone Dates	
List key milestone/target dates: IRB, Task Order Signed, development/test/production environments required, PRR date, Go-Live date.	
These dates are being finalized (pending IRB, and TO signed), but here is how it looks, as of now:	
<i>Note – stages 1-3 do not require technology.</i>	
<u>Stage 4 (CTI / IVR)</u>	
IRB:	December 14, 2001
TO Signed:	January 7, 2002
Development environment ready	March 4, 2002
Test and Production env. ready	May 13, 2002
PRR date:	June 17, 2002
Go-Live Date:	July 1, 2002
<u>Stage 5 (Siebel)</u>	
Development environment ready:	March 1, 2002
Test and Production env. ready:	June 1, 2002
PRR date:	August 16, 2002
Go-Live Date:	August 30, 2002



<p><u>Stage 6</u> Go-Live Date: November 29, 2002</p>
<p>10.2.1.1 Application Development and Support</p> <ul style="list-style-type: none">- Where will application development be done?- Who will do application development (Mod Partner, third party contractor)?- What development services (i.e. systems admin, development DBA) will be required of the VDC (if any)?- Who will do application maintenance and production support (Mod Partner, VDC, third party contractor)?
<p>Application development will be done in DC (actual location TBD) and will be done by Mod Partner with the help of some 3rd party contractors for both the Siebel application and the CTI / IVR components. From a development and test perspective, the VDC would be expected to provide systems administration for the development and test servers. From a production and test perspective, the VDC would be expected to systems administrations support. A 3rd party contractor (TBD) will provide application maintenance and support for both Siebel and CTI/IVR.</p>
<p>6. Technical Architecture</p> <p>Provide logical and physical architecture diagrams with brief descriptions of architecture components.</p> <ul style="list-style-type: none">- Include specific hardware platform, operating system, database, application software, middleware, etc...- Show all interfaces to other applications and indicate their location (if outside the VDC).- Indicate key architecture decisions pending (i.e. hardware platform, database, number of servers).- What software development platform will be used?
<p>See pictures in attached PowerPoint documents.</p>
<p>Network Connectivity Requirements</p> <ul style="list-style-type: none">- Show all methods for accessing the application (i.e. web, Virtual Private Network (VPN), EDNet).- Include all connectivity to off-site development environments or other systems (if required).
<p>See pictures in attached PowerPoint documents. May require VPN connections for a few developers (TBD)</p>
<p>Telephony lines (around DS-3) will be provided by MCI into the VDC for inbound calls into the IVR. All other connections will be TCP/IP based.</p>
<p>Database Requirements</p> <ul style="list-style-type: none">- Any information about database requirements such as expected database size, OLTP vs. data warehouse, magnitude of expected transaction and data volumes, back-up frequency (weekly vs. nightly, system availability requirements (24x7 vs. 8-5 weekdays), etc.
<p>Oracle 8.1.7.1.2</p> <p>System availability would be required 24x7, therefore the solution needs to be highly redundant. Backups would need to occur nightly. The database will perform OLTP. Transaction volumes are still being worked out, but in short the system will be the primary system for call center employees, SFA regional offices, and SFA DC personnel for interacting with customers.</p>



Siebel Database Environment Sizes:

Production: Cumulative Disk Space Growth:
8/1/2002 – 500GB usable, 1 TB RAW (RAID 0+1)
1/6/2003 – 750 GB usable, 1.5TB RAW (RAID 0+1)
8/1/2003 – 1 TB usable, 2TB RAW (RAID 0+1)
Development: 250GB usable, 500GB RAW (RAID 1)
Test: 250GB usable, 500GB RAW (RAID 1)

CTI Database Environment Sizes:

Production: 5 total
DB Server: 40 GB usable, 80 GB RAW (RAID 1)

Development: 2 total
DB Servers: 10 GB usable, 20 GB RAW (RAID 1)

Test: 4 total
DB Server: 40 GB usable, 80 GB RAW (RAID 1)

Privacy and Security

- Does this system store Privacy Act information (i.e. individual borrower information)? How will privacy act data be protected?
- Is this system a 'system of record' (i.e. does it create a new database of information associated with individuals such as individual borrower information)?
- Briefly describe how the major security concerns (availability, confidentiality, integrity, and auditability) are addressed.
- What major security and encryption techniques will be employed (i.e. application userid/password, VPN, Secure Socket Layer (SSL), digital certificates, etc...).
- Can existing enrollment processes for VPN or TIVWAN be leveraged for enrolling users (i.e. collecting user information for creating userids)?
- Can Lightweight Directory Access Protocol (LDAP) be used?
- Verify cookies will not be used (since they are not allowed at the Department of Education).

Privacy Act information – yes

System of record – yes (student demographic information and contact history (initially), school and financial partner demographic information and contact history (later release))

Security concerns- Security profiles within the application will control user rights, however we need to ensure that the database and application servers' OS has been hardened to minimize risk of intrusion. We will also leverage existing security architecture (firewalls, router ACLs, etc)

Security and encryption techniques - We are leveraging existing connections into the VDC for access, so no additional requirements should exist (we are however looking at bandwidth and network performance to determine whether additional circuits are required). We will complete necessary security reviews and implement measures as required/recommended (completed in detailed design phase).



Enrollment processes – existing enrollment process for VPN access will be leveraged for establish connectivity for developers (if necessary)

LDAP – we intend to integrate with LDAP (SSO) once implemented. According to existing timeframes this should be in place before we go live.

No cookies will be used.



10.3 Students.gov Form

The purpose of this document is to provide the VDC staff with advance notice of pending requirements and identify major cost drivers. This should include the best information available at the time (prior to IRB approval). It is recognized that this information may change during the course of the detailed design. This document essentially represents the major components of a technical architecture design deliverable. If a draft technical architecture design document is available containing the information required below, that can be provided in lieu of sections 4 – 7.

<p>7. Project Name, Description and Contact Information</p> <ul style="list-style-type: none">- Provide a brief overview of the project, who the project sponsor is, who the users are, the business purpose of the application, and expected number of users.- List contact information for the VDC technical contact for the project.
<p>Students.gov is an award-winning interagency portal sponsored by SFA that provides access to a wide range of public and private information and services targeted towards prospective and current post-secondary education students and their parents.</p> <p>The project sponsor is OCIO/Innovations. The Innovations Project Manager is Lynda Folwick (202/377-3514).</p> <p>Users include prospective and current students, their parents, and other members of the higher education community, both here in the U.S. and abroad.</p> <p>The business purpose of the application is to provide customer-focused access to a wide range of public and private information and services that have been carefully screened by experts in the higher education field for relevance and value.</p> <p>The highest usage volume for Students.gov recorded thus far is approximately 70,000 individual user sessions, and nearly a million page views, in a single month.</p> <p>The VDC technical contact for the project is....</p>
<p>8. Project Milestone Dates</p> <p>List key milestone/target dates: IRB, Task Order Signed, development/test/production environments required, PRR date, Go-Live date.</p> <ol style="list-style-type: none">1. IRB: NA2. TO: NA3. Test Environment required: 11/30/01 - TBD4. Production Environment required: 01/07/025. PRR date: 01/10/026. Go Live date: 01/31/02



<p>Application Development and Support</p> <ul style="list-style-type: none">- Where will application development be done?- Who will do application development (Mod Partner, third party contractor)?- What development services (i.e. systems admin, development DBA) will be required of the VDC (if any)?- Who will do application maintenance and production support (Mod Partner, VDC, third party contractor)?
<p>Application development will be done outside the VDC and delivered to the VDC for testing and migration into production.</p> <p>Application development will be done by staff from PricewaterhouseCoopers (PwC), who originally developed the site and have been maintaining it for nearly two years.</p> <p>No development services will be required of the VDC.</p> <p>Application maintenance that requires modification to the application code will be performed by PwC and then installed in the test environment and then migrated into production (the migration into production may need to be performed by VDC staff). Application maintenance that requires structural changes or batch updates to the database will be conducted in the form of PL/SQL scripts that have been developed and tested by PwC and executed against the production database by the current VDC DBA (Rich Ryan). This is the model that has been in use for nearly two years during the operation of the existing Students.gov application. Production support will be provided by the VDC.</p>
<p>9. Technical Architecture</p> <p>Provide logical and physical architecture diagrams with brief descriptions of architecture components.</p> <ul style="list-style-type: none">- Include specific hardware platform, operating system, database, application software, middleware, etc...- Show all interfaces to other applications and indicate their location (if outside the VDC).- Indicate key architecture decisions pending (i.e. hardware platform, database, number of servers).- What software development platform will be used?
<p>Refer to Appendix A for logical and physical architecture diagrams.</p> <p>Application software will be developed and maintained using Allaire Homesite, Sun Forte for Java 3.0 and Visual Age for Java 4.0. Middleware used for development, unit testing and preliminary system testing include J2EE certified Java Application Servers from Macromedia (Jrun 3.1), BEA (WebLogic 6.1), IBM Websphere 4.0.</p>
<p>Network Connectivity Requirements</p> <ul style="list-style-type: none">- Show all methods for accessing the application (i.e. web, Virtual Private Network (VPN), EDNet).- Include all connectivity to off-site development environments or other systems (if required).
<p>Web and EDNet. PwC currently has RAS access to the VDC network in order to provide FTP and</p>



telnet services. This should be updated to provide FTP and telnet access to test and production servers.

Database Requirements

- Any information about database requirements such as expected database size, OLTP vs. data warehouse, magnitude of expected transaction and data volumes, back-up frequency (weekly vs. nightly, system availability requirements (24x7 vs. 8-5 weekdays), etc.

Database requirements and specifications can be obtained from Rich Ryan, VDC DBA, for the **Students.gov** database currently in production.

Privacy and Security

- Does this system store Privacy Act information (i.e. individual borrower information)? How will privacy act data be protected?
- Is this system a 'system of record' (i.e. does it create a new database of information associated with individuals such as individual borrower information)?
- Briefly describe how the major security concerns (availability, confidentiality, integrity, and auditability) are addressed.
- What major security and encryption techniques will be employed (i.e. application userid/password, VPN, Secure Socket Layer (SSL), digital certificates, etc...).
- Can existing enrollment processes for VPN or TIVWAN be leveraged for enrolling users (i.e. collecting user information for creating userids)?
- Can Lightweight Directory Access Protocol (LDAP) be used?
- Verify cookies will not be used (since they are not allowed at the Department of Education).

This system does not store privacy act information.

It is not a system of record.

Availability is being addressed by (a) re-engineering the application in Java and, (b) moving it into the ITA with its redundant application and web servers, load balancing, etc. Confidentiality and auditability are not relevant to this application, as it does not collect any personal data from users. Integrity applies only to the data that is published—that integrity is addressed by the use of the VDC's database management capabilities (e.g., backups, failover, etc.)

No security and encryption techniques are required.

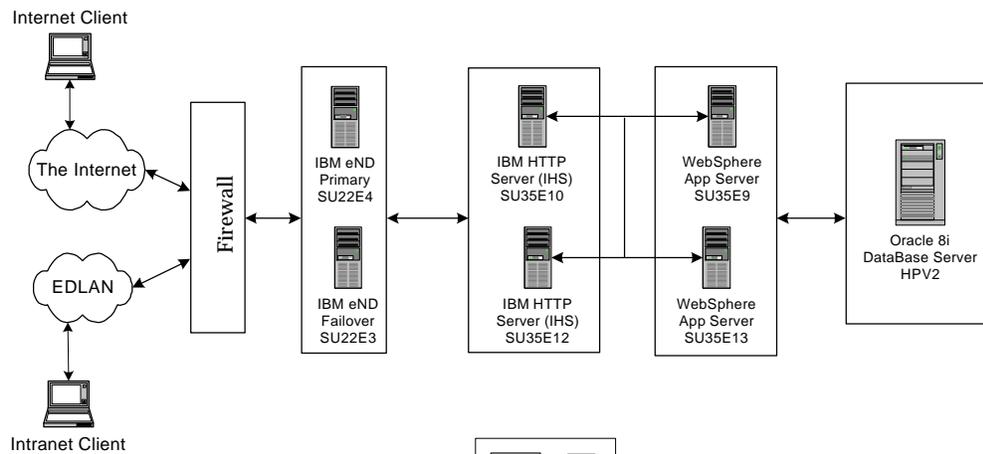
No user IDs are required, so no enrollment processes exist. LDAP is therefore superfluous.

Persistent cookies are not used, per ED policy. Session cookies are used to maintain state.

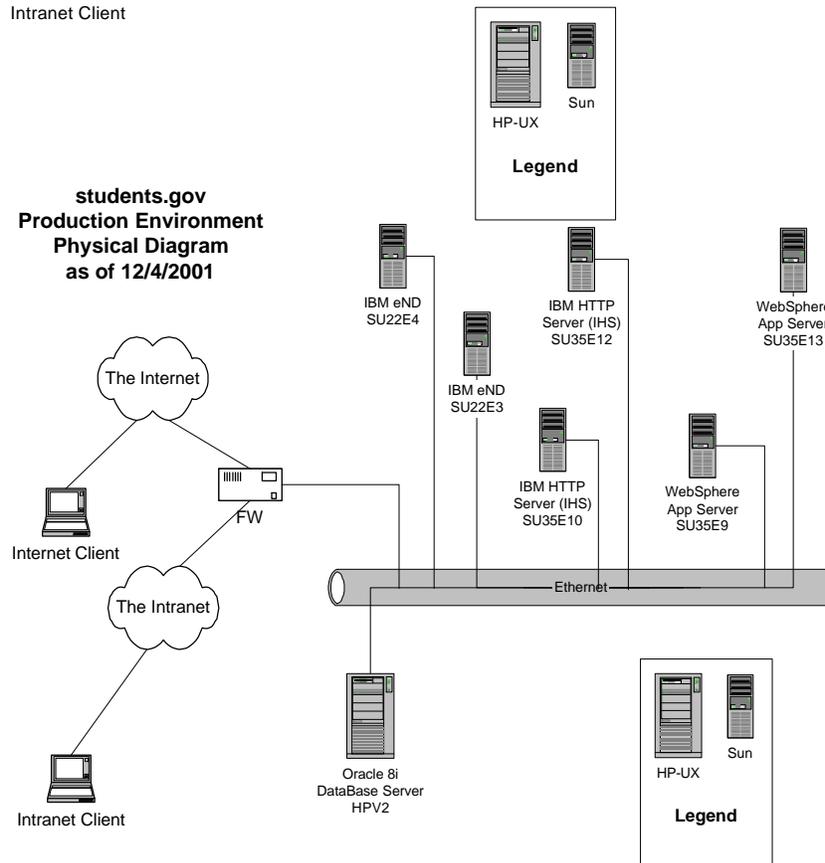
10.3.1 Logical and Physical Architecture of Students.Gov

Technical Architecture Configuration for Students.gov (standard ITA configuration, less Interwoven)

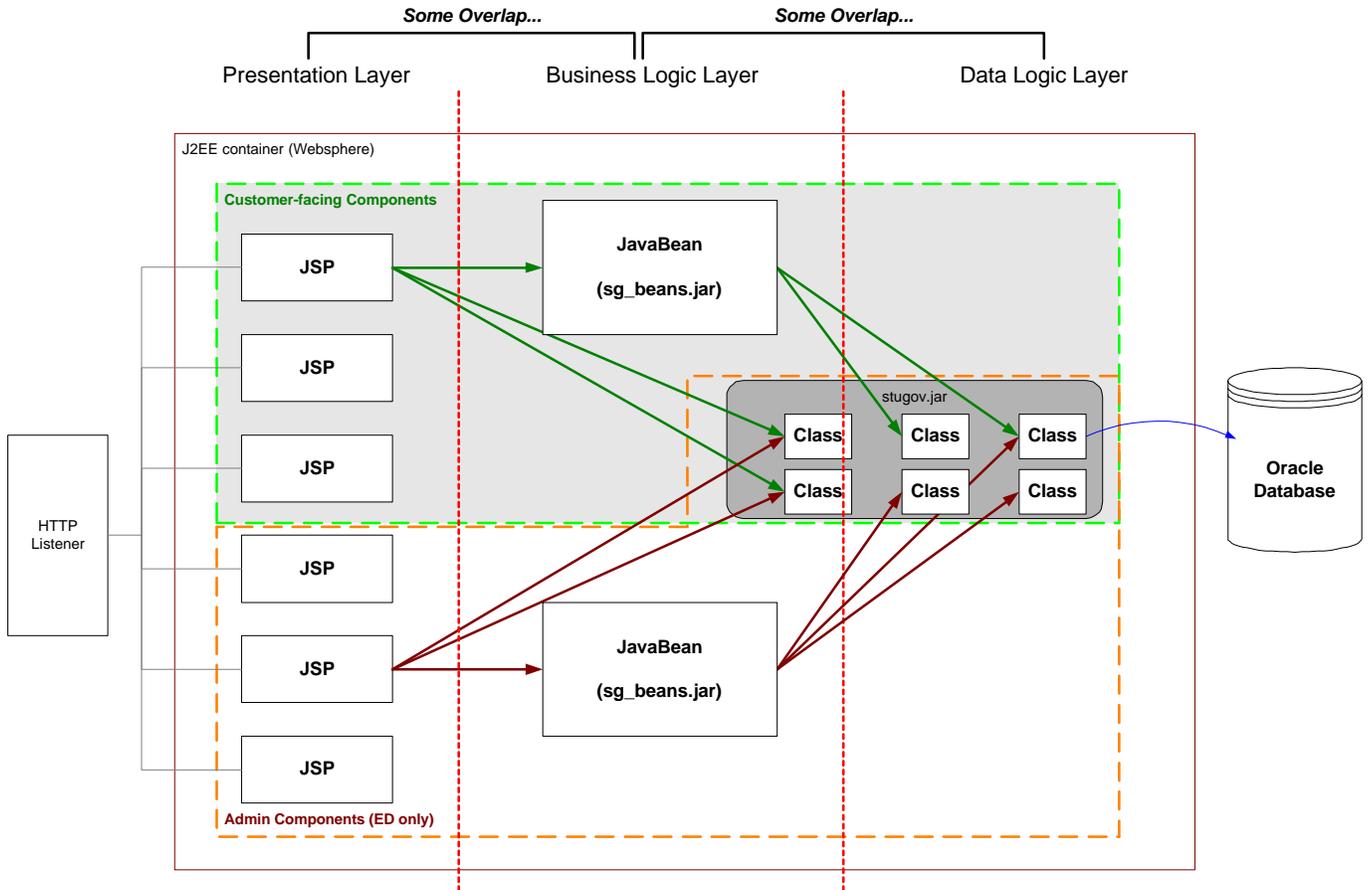
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Production Environment
Logical Diagram
As of 12/4/2001**



**students.gov
Production Environment
Physical Diagram
as of 12/4/2001**



Students.gov Software Architecture



Students.gov Process Flow

