11. Individual SOA projects

<< Prev
In this section we would like to collect some detailed information about individual SOA projects or initiatives that you have undertaken in the last 18 months. The

section allows for up to 2 projects. However, if there are more you would like to share, there is a freeform text box at the end of the section.

Project #1

11.1, 2, 3 Name, URL and lifecycle stage of project

Institution	Project name	Lifecycle	URL	Detailed description
UBC	SIS API	Execution	n/a	
Michigan	Mobile	Execution	http://mobileapps.its.umich.edu/	
Cornell				
Georgetown	Georgetown Management System (phase 1)	Production	http://gms.georgetown.edu/	
Ohio State				
UMUC	CRM/Service Center	Execution		
UofT	Next Generation Student Information Services (consists of about 20 sub-projects)	Execution	http://www.ngsis.utoronto.ca/	
Washington	MyPlan On-line learning plan tool for students (and advisers)	Execution	https://depts.washington.edu/myplan/	MyPlan
UW-Madison	Curricular Hub	Production	https://wiki.doit.wisc.edu/confluence/display/CHUB/Home	
UC-Irvine	UC PATH (New payroll HR system for UC)	Execution		
Colorado	SOURCE	Execution		
Indiana	Student calendars	Production		

11.4, 5 What are the goals of the project (technology goals and business goals)

UBC

- **Goals** Develop a RESTful API for our SIS
  - Student demographics
  - Enrolment
  - Course Catalog

Michigan

- **Goals** Spark mobile innovation on campus by providing an environment where student, staff, and research developers can collaborate and find the tools and data they need to create mobile applications.
- **Comments** Enterprise mobile apps, which have mostly been focused on student functionality are now being developed using the Kuali Mobility Enterprise framework. Web services that are developed for mobile applications are planned to be published to the community and will be encouraged to be reused.

Cornell

Georgetown

- **Goals**
  - Business: Replace existing applications with a modern HCM/Payroll/Benefits solution with improvements in reporting, business process management, auditability. Implement an integrated solution that also includes Finance and Grants in future phases.
  - Technology: End of life legacy mainframe applications. Implement a cost effective cloud based solution. Real-time integration of HR system with identity management system (using web services). Standardize other integrations (using web services whenever possible) and take advantage of vendor-delivered integrations with business partners.

UMUC

- **Goals**

- Business: Provide a one-stop call/service center for students and faculty while streamlining call center agent processes. We are building our service center around a central, institution wide CRM platform. Agents will be able to pull up relevant information about students to answer the call from within the CRM. We are exposing capabilities in our SIS via services so we can leverage telephony integration and a common CRM interface to make the agent experience seamless.

UofT

- **Goals**
  Provide a new set of services targeted to students, administrators and faculty. These services will enhance the student experience by providing pertinent personalized information in a timely manner. It addresses a very large scope!

Washington
MyPlan is an on-line tool for students that integrates:

1. A faceted search of the course catalog
2. An on-line advising tool
3. A course selection and planning tool
4. The ability to select required courses from an audit

UW-Madison
Tech goals

1. To provide an access point for curricular data via an operational data store;
2. to provide access to various consumers through a web service interface
3. ultimately to support pub/sub access

Business goals

1. To provide consumers with ready access to curricular data. The primary consumers at this point are various LMS environments.

UC-Irvine

1. Standardizing payroll HRIS across ten campuses and five medical centers. This includes business process standardization on a single instance of PeopleSoft HCM.
2. Use of SOA for data dissemination to campus data warehouses and integration between the central service and each of the campuses and medical centers.

Colorado
Implement a cross institution type SIS system for the school of public health without requiring large flat file data dumps.
Proving out both the SOA integration methodology for independent schools/colleges as well as the single BI Tool strategy

Indiana
Goal was to load student class schedules into our enterprise calendar.
Utilized services published on the Kuali Service Bus to communicate between our Student system and our Enterprise calendar using asynchronous reliable messaging.

11.6 What business domains does this project address?

	Learning tools ecosystem	Student	Research admin	Back-end admin	Enterprise infrastructure	Other
UBC	LMS	Student				
Michigan		Student				
Cornell						
Georgetown				Back-end admin		
Ohio State						
UMUC		Student		Back-end admin		
UofT		Student			Enterprise infrastructure	
Washington		Student				
UW-Madison	LMS	Student				
UC-Irvine				Back-end admin	Enterprise infrastructure	
Colorado		Student				
Indiana		Student				Calendar

Project #2

11.1, 2, 3 Name, URL and lifecycle stage of project

Institution	Project name	Lifecycle	URL
UBC	PESC Implementation	Investigation	n/a

Michigan	ESB Investigation	Investigation	n/a
Cornell			
Georgetown			
Washington	Supplier registration	Production	http://f2.washington.edu/fm/ps/how-to-pay/department-responsibilities/supplier-registration
UW-Madison	Integration testbed	Planning	
UC-Irvine	Campus wide timesheet system	Production	
Indiana	Kuali Coeus Implementation	Production	http://kuali.iu.edu

11.4, 5 What are the goals of the project (technology goals and business goals)

UBC

- **Goals** Switch from U of Texas to BC Campus Start sending transcripts (we're only receiving right now).

Michigan

- **Goals** Investigating open source options for an Enterprise Service Bus. The main focus is to making data more available for mobile. Exposing data and processes, especially in a RESTful way needs to become more efficient.

Hopefully, this will be the start of a SOA.

Washington

Business goal:
Expedite the time it takes an external vendor to register with the Unversity so they can get paid in a more timely manner
Better controls
Technology goal
Prove viability of Enterprise Workflow (KEW under the hood with web services)
Integrate REST business services with workflow

UW-Madison

1. To provide a better understanding of the relative merits of the alternative SOA stacks;
2. To provide a sandbox for testing out integration approaches;
3. To provide a locus of activity to promote knowledge transfer and best practices.

UC-Irvine

1. To bring up all employees on campus on a single time sheet system integrated with the payroll system
2. Eliminate paper
3. Implement business rules that increase compliance with time keeping requirements and regulations.

Indiana

To implement Kuali Coeus as our Research Administration platform. Our Kuali Coeus implementation integrates with our shared Kuali Rice middleware services. Including the KSB, KEW, and KIM.

11.6 What business domains does this project address?

	Learning tools ecosystem	Student	Research admin	Back-end admin	Enterprise infrastructure	Other
UBC		Student				
Michigan	Learning tools					
Washington				Back-end admin	Enterprise infrastructure	
UW-M						A technology project
UC-Irvine				Back-end admin	Enterprise infrastructure	
Indiana			Research admin		Enterprise infrastructure	