Current UIS Projects and Initiatives [1]

Below, you will find details of all current UIS projects and initiatives in the planning and execution phase. It does not include:

- Projects in the initiation phase: New UIS project requests are submitted. High-level details are provided to the UIS Leadership, who determine whether the project should move into the planning phase. [2] and closing phase: The team undertakes the necessary tasks to close the project. This includes, but is not limited to, post-production support, transition to operational service and the collection and analysis of lessons learned. [3]
- version updates
- PUMs
- regular maintenance projects

Questions?

If you have question about a project, click the link under the questions column to email the project manager.
CU leadership has decided not to renew the lease for the Advancement office located in Broomfield. The lease is set to expire on February 28th, 2021, as such we intend to move Advancement data center equipment to the Ntirety colocation facility before this date. This equipment will be racked alongside UIS equipment in a dedicated rack, and will remain physically and logically separated. With this move the Advancement applications will gain all the benefits of the Tier 2 data center; physical security, redundant power and cooling, and improved network bandwidth to campuses etc.
The annual Open Enrollment project prepares the Human Capital Management (HCM) system for the employee benefits open enrollment period scheduled for April 19 - May 7, 2021. During this time, more than 25,000 benefits-eligible, active CU employees and retirees have the option to make changes to their benefits.

Employee Services coordinates all employee communications, carrier fairs and informational sessions on each campus and manages the functional requirements and configurations to accommodate benefits changes in HCM. UIS provides application and system support before and during the open enrollment period, as well as development and file distribution support for vendor interfaces during the post-open enrollment period.

**Planning Phase**

The UIS project team collects and develops necessary information to determine and confirm scope, budget and timeline. The team then develops project plans to manage time, cost, quality, change, risk and issues, which will guide the team through the execution phase of the project.

Projects are given green status. These projects are running within budget, timeline or scope. On-track projects are green.

Contact us: Spring 2021
This project will ensure, thru a series of tasks and tests, that campuses can perform normal day-to-day operations while enterprise systems process heavy load during semester start up.
This project represents the work to implement a new UIS Product, a Tableau Server, as an enterprise visualization tool. Currently CU Denver and CU Boulder have campus-based licenses, which we are porting over to System so all campuses may use this service. This enables UIS to provide a customer platform for direct use while paving the way for UIS to include this product in support of its UIS Data Management service.

Planning Phase
The UIS project team collects and develops necessary information to determine and confirm scope, budget and timeline. The team then develops project plans to manage time, cost, quality, change, risk and issues, which will guide the team through the project execution and closure phases.

Green
On-track
These projects are given green status. These projects are running within budget, timeline or scope. [6]

Contact us [7] TBD
Success criteria to be defined by TIP's Program-level charter for Cohort #1.

The overarching goal of a CU-wide CRM is to have a 360 view of the student lifecycle. By implementing this solution for UCCS, CU will be one step closer to have that unified view. For this project, the Admissions Connect solution is a native Salesforce application that is set to become generally available in November 2020. The solution is expected to provide a seamless experience for applicants and the admissions teams, which as articulated by the Salesforce business case: Planning

**Planning Phase**

The UIS project team collects and develops necessary information to determine and confirm scope, budget and timeline. The team then develops project plans to manage time, cost, quality, change, risk and issues, which will guide the team through the execution of the project.

Green project status

On-track projects are given green status. These projects are running within budget, timeline or scope.

Contact us [7]  TBD
This project will build the foundation of a cloud infrastructure - specifically on AWS - in which future production and non-production workloads can successfully operate on in a secure, reliable, and performant manner.

The adoption of cloud infrastructure is identified within the UIS MultiCloud Phase 1 and 2 goals as well as supports UIS strategic goals aligned to overarching University initiatives.

**Execution Phase**
The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase. [9]

**Green project status**
On-track projects are given green status. These projects are running within budget, timeline or scope. [6]

**Contact us**
TBD
CU People matches person records across systems. The current technology is 10 years old. By upgrading the internal matching and database software, we will be able to greatly improve search/matching performance and quality.

Modern database software will also be available 24/7 so that matching capabilities are extended to online education and other cloud services.

Execution Phase

The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase.

Green project status

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Foundational Online Marketing Campaign (FOMC)

Building the foundation to support CU Online marketing and student success efforts.

Execution Phase
The UIS project team executes the project plan with a focus on meeting scope, budget and timeline.

Active management of time, cost, quality, change, risk and issues occur during the execution phase. [9]

Green project status
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Contact us [7] Spring 2021
The Nelnet PeopleSoft Connector is responsible for posting student tuition and fee payments to CU-SIS. This upgrade will replace our current version with the latest release. This new connector version utilizes PeopleSoft Integration Broker and has demonstrated markedly improved performance times. Upgrading the student single sign-on method will replace an outdated service with a more secure one by leveraging our PingFederate platform. There will be both user performance and security improvements once the connector is upgraded.

Execution Phase

The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase.

Green project status: On-track projects are given green status. These projects are running within budget, timeline or scope.

Contact us [7] Summer 2020
New Service Framework
Stage 2b: Future State
Business Process Design

The UIS reorganization and New Service Framework will strengthen campus partnerships to more effectively set strategy and coordinate efforts. In addition, UIS and campus partners will benefit from a holistic view of the delivery pipeline. This effort was identified as a top opportunity in the department’s organizational maturation as it responds to the expected speed and quality of change in the department’s organizational change, risk, budget, and issues timeline. This effort supports IT Governance’s IT Strategic and Annual Plan efforts. In the execution phase, active management of time, cost, quality, change, risk, and issues occur during the execution phase.

Execution Phase
The UIS project team executes the project plan with a focus on meeting the delivery timeline. Active management of time, cost, quality, change, risk, and issues occur during the execution phase. These projects are running within scope. Green projects are given green status. On-track projects are given green status. These projects are running within budget, timeline or scope. TBD

Contact us: TBD
The Advancement Next Generation Donor Management project (Next Gen) is a three phase, multi-goal, cross-campus plan that will have positive and far-reaching University-wide benefits in efficiency savings, cost reduction, and increased private support for the University of Colorado (CU).

This request is to support years four, five and six of a nine-year Advancement business strategy that will transform constituent engagement from a disparate, unlinked system to a unified platform while still providing campus and entity Advancement teams autonomy and control.

Execution Phase

The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase. [9]
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<tr>
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<tbody>
<tr>
<td>Oracle Database Upgrades</td>
<td>The move of Advancement to Public Space will have two major benefits. The purpose of this project is to upgrade all databases to the latest Oracle database version.</td>
<td>Green project status.</td>
<td>On-track projects are given green status. These projects are running within budget, timeline or scope.</td>
<td>Contact us [7]</td>
<td>TBD</td>
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<tr>
<td>Advancement Public Space Move</td>
<td></td>
<td>Green project status.</td>
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**Execution Phase**

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**Contact us**

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<tbody>
<tr>
<td>Automated Updates to Primary Job Indicator in HCM</td>
<td>This initiative will refine the process to automatically update the University Primary Job Indicator flags in our HCM System that falls under the HCM Core module.</td>
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<td>Contact us [14]</td>
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<tr>
<td>Billing Automation Phase III</td>
<td>o Campuses have requested process improvements to their current business processes to eliminate inefficiencies. The opportunities for improvement identified will eliminate many manual processes and significantly save time in generating and delivering invoices. Billing Automation Phase 3 will allow the campuses to further rollout and expand Billing Automation to the maximum number of eligible sponsors.</td>
<td>Execution</td>
<td>Green</td>
<td>Contact us [15]</td>
<td>TBD</td>
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<td></td>
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<td>Execution Phase</td>
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<tr>
<td>CU-SIS CU Boulder NameCoach</td>
<td>CU Boulder purchased the NameCoach software (e.g. recording name pronunciation) and this is already integrated into their Canvas learning management system. To continue improving the student, faculty and staff experience, this initiative will integrate this with the student information system (CU-SIS) and BuffPortal.</td>
<td>Execution Phase Execution Phase The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase.</td>
<td>Green Green Green project status</td>
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<tr>
<td><strong>CU-SIS</strong></td>
<td><strong>Duplicate Record Clean-Up</strong></td>
<td>This initiative will clean up duplicate records to have as many unique IDs in the system as possible. Having clean, unique data will allow the staff to better serve the students across the university with platforms that integrate using constituent ID and student ID.</td>
<td>Execution</td>
<td>Green</td>
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<td><em>Execution Phase</em></td>
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<td>Contact us [16]</td>
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The EBB (Enterprise BackBone) initiative is the 14th and final project/initiative of the 4 year Network Remediation project/initiative series that has been used to implement a modernized, low maintenance, high speed network needed to meet future UIS strategic goals. EBB required design changes from all other tasks in the Network Remediation series to function successfully. The network remediation project/initiative series itself is a follow on of the major site network re-designs (network segmentation projects et al) started in 2012. Due to network design and equipment selection decisions made when UIS first moved into the co-location facilities we currently utilize for our services, UIS operates split public/private IP space routing backbones. The current private IP address backbone is maintained by the inclusion of overly complex firewall rules and the overuse of static routes on multiple systems. This makes the UIS network harder to maintain and difficult to modify, and the level of complexity involved requires senior technical network resources to maintain and change, is not industry best practice, and does not improve security, performance, or reliability. The current backbone design directly inhibits UIS MultiCloud private and public cloud expansion and requires individual workarounds for network routing that are non-standard and detrimental to future reachability of all core UIS services. This initiative is meant to eliminate that complexity and technical debt by collapsing the split routing backbones into a single Enterprise BackBone design that significantly reduces maintenance and change complexity, and increases reliability in fail-over, disaster recovery, maintenance, and change activities. This effort directly supports UIS MultiCloud late phase 2 and early phase 3 efforts including AWS Foundations, should be completed prior to the p14 datacenter (Advancement IT equipment) consolidation, and addresses findings made by the Deloitte technical assessment.
eRA Performance Tuning - Phase 1

This initiative will involve developing more reliable and reusable performance testing scripts. It will also institute EUE scripts for monitoring performance experienced on campus. Lastly, it will include an assessment of current data retention in several key parts of the application to understand their impact on overall performance in the eRA (electronic Research Administration) application.

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<thead>
<tr>
<th>Name</th>
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<th>Phase</th>
<th>Health</th>
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<th>Go-Live</th>
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<tr>
<td>eRA Performance Tuning -</td>
<td>This initiative will involve developing more reliable and reusable</td>
<td>Execution</td>
<td>Green</td>
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<td>Phase 1</td>
<td>performance testing scripts. It will also institute EUE scripts for</td>
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<tr>
<td>HCP and GAD set up</td>
<td>The HCP and GAD set up work is part of the larger multi-cloud effort. A portion of this work is also a precursor to further AWS capabilities.</td>
<td>Execution Phase The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase.</td>
<td>Green project status On-track projects are given green status. These projects are running within budget, timeline or scope.</td>
<td>Contact us TBD</td>
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<td>Load Balance Upgrade</td>
<td>UIS Load Balancers are running on a software version that will go out of support as of Jan. 2021. While our load balancers are currently running well with no issues, should one arise we will have no support. Additionally, the software gives UIS access to automation tools, such as API, that are necessary for self service provisioning.</td>
<td>Execution</td>
<td>On Hold</td>
<td>Contact us [14]</td>
<td>TBD</td>
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</tbody>
</table>
RedHat Enterprise Linux (RHEL) current version will reach the end of maintenance support this fall. Once this happens deployed RHEL6 systems will no longer receive updates or security patches. Extended Life-Cycle Support can be purchased for RHEL6 which will allow for Critical Security patches to be applied to the OS. Extended Support is purchased on a per instance bases; the goal of this initiative is to retire or replace as many RHEL6 instances as possible, thus minimizing the budget impact of purchasing extended support.

RedHat Enterprise Linux (RHEL) Replacement

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<td>Execution Phase</td>
<td>Green</td>
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<td>[17]</td>
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<tr>
<td>Windows Server Upgrade</td>
<td>The purpose of this initiative is to upgrade and replace all older Windows servers for security reasons as well as freeing up resources to be used elsewhere instead.</td>
<td>Execution Phase</td>
<td>Yellow project status</td>
<td>Yellow status is given when some aspect of a project is at risk and may require corrective action to stay within budget, timeline or scope.</td>
<td>TBD</td>
</tr>
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</table>

Contact us [17] [18]
XML Send and New Parchment Connector

The purpose of the EDX Transcript project is to electronically exchange post-secondary XML transcripts with other schools inside the state of Colorado (pilot) and then nationally (phase 2). Receiving XML transcript data from other schools will allow us to store the data and be able to load the data into downstream software, resulting in automated articulation of transfer credit for students (without having to manually re-type each student's transcript data). This will save more than 30 hours of data entry per week in admissions and reduce data entry errors. Sending official transcript XML data files for CU student/alumni will allow other schools to store this information and automatically articulate transfer credit course information from CU into their transfer process.

Execution Phase
The UIS project team executes the project plan with a focus on meeting scope, budget and timeline. Active management of time, cost, quality, change, risk and issues occur during the execution phase. [9] Green project status. On-track projects are given green status. These projects are running within budget, timeline or scope. [6] Contact us [14] TBD
Project Criteria

Level of effort: 350+ hours of work (between both planning and execution phases)

Complexity: Cross team interdependent (5+ teams needed)

Risk: Work poses a significant risk to the organization

Managed by: Project Managers

Initiative Criteria

Level of Effort: 40+ hours of work

Complexity: Coordination across teams; new technology to UIS

Risk: Work has a future deadline aiming for but has flexibility; target deadline is one quarter away at minimum

Managed by: ADs/Managers

Groups audience:
University Information Services

Source URL: https://www.cu.edu/uis/current-uis-projects-and-initiatives

Links
[5] https://www.cu.edu/uis-glossary/project-health
[6] https://www.cu.edu/uis-glossary/green-project-status
[7] mailto:uis_pmo@ad.cu.edu?subject=Questions%20about%20FOMC
[8] https://www.cu.edu/uis-glossary/planning-phase
[9] https://www.cu.edu/uis-glossary/execution-phase