Project Overview

UAccess Research Service Major Version Upgrade

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# Rationale

The current UAccess Research service is based on an outdated version of the Kuali Coeus research administration software; a more recent version offers greater stability and additional functionality desired by the users of the service. Basing our local implementation on a current release will also increase our efficiency in interacting with the Kuali Foundation and with other implementing peer institutions. Upgrading UAccess Research will also allow us to update and improve our system architecture and development processes, and contribute to greater efficiency in the future planned upgrade of the UAccess Financials service.

# Scope

This project will upgrade the software supporting the production UAccess Research service from Kuali Coeus 3.1.1 to Kuali Coeus 5.2.1.

Existing service functionality will be updated, and several additional modules will be deployed as part of the upgrade.

System architecture and supporting service infrastructure will also be updated to provide greater capacity, availability, and reliability.

Underlying development support and operational tools and processes will be re-examined and redesigned to increase automation, efficiency, and functionality.

# Timeline

The project kickoff will occur in May 2014.

**Service integration** will take two months, and will update the service architecture and delivery support tooling in preparation for the upgrade proper.

**Module delivery** will start in July 2014, and will last ten months, through early May 2015. Development will occur in five overlapping delivery cycles, each consisting of requirements gathering, functional remediation, and knowledge management for a discrete subset of total service functionality. Production service will cut over to the new version at the completion of the third delivery cycle, in February 2015.

**Service stabilization is scheduled for two months, and will provide a chance to implement additional fixes discovered after cutover**

**The project will complete in July 2015.**

# Resources

**The project team will be composed of three business analysts and three software developers from the Kuali Applications group in UITS, along with subject matter experts from the Office of the Vice President of Research. Additional labor will be allocated from Enterprise Intelligence & Analytics (for report design and implementation), and from the EAS Kuali Delivery Support Operations team (for developer tooling and service support).**

Operational costs will begin at $1,500/month, and will rise gradually across the project to an estimated $3,000/month when the upgraded service is in full production. Some expansion of current software licensing for development and operational tools will be necessary, totaling $10,000-$15,000/annual. No capital expenditures are associated with this project.

# Notes

This project will mark the first deployment of a UA ERP service to a cloud-based infrastructure-as-a-service (“IaaS”) architectural model, and will serve as a test bed for UITS use of the Amazon Web Services (“AWS”) virtual private cloud services.

Staffing, expertise, and procedures developed during this project will be used on a similar upgrade of the UAccess Financials service, planned to begin immediately following, in mid-2015.