Stanford UNIVERSITY IT | Cloud Transformation Program Update | Quarterly Program Update



Welcome to the 1st Cloud Change Champions Meeting!

Today's Agenda

1 Welcome and Agenda Overview

Cloud Change Champion Roles and Responsibilities

Overview of Cloud Transformation Program

4 Feedback and Open Discussion

Roles and Responsibilities

CLOUD CHANGE CHAMPIONS

YOUR ROLE

- Advocate for the cloud program
- Participate in monthly meetings, act as a two-way conduit for updates and feedback
- Proactively address open issues
- Understand your team/ workgroup's communication needs relative to cloud
- Complete task assignments

Cloud Adoption is a top priority for University IT because of its broad reach and campus-wide impact.

As UIT tackles cloud, we are learning how Stanford integrates new technology and delivers tools to improve how faculty, students, and staff do their Stanford work.











What questions do you have?

Let's start with some questions we know are on your mind



People

Which teams and individuals are being affected by the cloud transition? How can I get training? Can I get more people to help me to do this work?



Timeline

What services will transition first? What services will go next? Why was 2019 chosen as the end-date?



Funding

Who pays for the migration to the cloud? Where is the budget coming from, and will there be more resources to help?

What are the important deliverables for this quarter (Jul/Aug/Sep)?

Goal 1: Perform cloud governance and portfolio management

UIT will develop a cloud portfolio strategy supported by a cloud advisory and governance structure

Goal 2: Define organizational development program

Roles, skills, and competencies for UIT staff associated with cloud solutions will be updated to reflect cloud-related service and technology expertise required

Goal 3: Integrate cloud systems, processes, and services

UIT will integrate the cloud-source lifecycle into its enterprise vendor management, procurement, and billing systems to support cloud deployments

Goal 4: Run mission critical services in the cloud

New systems and software deployments will be cloud-sourced; current UIT-owned and operated critical campus services and core infrastructure will be primarily cloud-sourced

Goal 5: Reduce UIT computing footprint on campus 50%

UIT-owned systems will reduce their campus power consumption related to non-research computing by 50% relative to 2015 consumption

Goal 6: Exit Livermore disaster recovery site

UIT will redesign its disaster recovery and business continuity plans to leverage cloud-hosting and related services; have detailed project schedule for existing the LIvermore site

What are the important deliverables for this quarter (Jul/Aug/Sep)?

Scope of UIT services in support of SaaS acquisitions

Criteria for choosing between SaaS, PaaS, and IaaS and for selecting strategic service provider partnerships

List of strategic vendors

Strategic portfolio management framework

Three new Stanford cloud job descriptions

Two additional opportunities for communication and engagement -- Monthly Cloud Champions and Quarterly Roadshows -- begin

Communications/Managing Change Plan

Phase 1a of billing integration to consolidate and automate UIT AWS charges

Continued negotiations for BAA with Amazon

Summary of account provisioning and billing needs for Google Cloud Platform

Completed testing of KDC and Identity Provider (IdP) on cloud; begin testing LDAP on cloud

Alignment activities for DR/BC to prepare for mission-critical services prioritization

Alignment activities for cloud-ready API direction and associated integration architecture

Assessment of current data center hardware and strategy

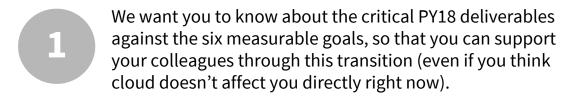
Document consolidation of server data to understand UIT specific footprint and determine what to track for resource consumption Review of current hardware inventory

Begin developing long-term strategy for services currently located in Livermore

What are the key accomplishments for the cloud program since May 1?

- Ramping up cloud program communication: Cloud Transformation Website, including general project information and policy/practice guidance for IaaS, SaaS and PaaS
- **Understanding cloud jobs:** Drafts of three cloud-focused job descriptions, to be reviewed by UIT team and then HR
- **Establishing core foundation services in the cloud:** IDP UAT is in the cloud, and was tested in our latest DR drill; KDC UAT is also in the cloud, and an LDAP replica is now in the cloud
- Addressing procurement: Draft of a UIT review workflow for SaaS products as a part of an ongoing partnership with Procurement in support of campus SaaS acquisitions
- Addressing billing: Progress on billing automation and integration for Amazon Web Services (AWS)
- Improving automation: Plans are underway to improve automation for Google Cloud Platform (GCP) integrations/provisioning
- Remaining focused on security: Developed cloud security guidelines in partnership with ISO

What is important for you to know about the cloud?



We want you to know where you can find more information about the cloud program. For example, you can explore the webpages to learn more about the UIT Cloud Program and send any questions via the web form.

We realize the timeline and scope of work are ambitious. We need your help, and the help of others in the organization, to achieve our goals.

What other questions do you have?



How do you get more information and keep up-to-date?Webpage: https://uit.stanford.edu/cloud-transformation

Stanford University SUNet Login

Stanford University IT

Google Custom Sea

Cloud Transformation

Overview Vision FAQs People



Feedback, ideas, comments, questions?

Contact us through our webpage: https://uit.stanford.edu/cloud-transformation



Cloud What?

By 2019, University IT will migrate most of its service portfolio to cloud-based products and cloud-hosted deployments, selecting scalable, cost-efficient, innovative, and resilient solutions which further enable the Stanford community.

Vision and Implementation Strategy

Policies and Practices

Survey of Peer Institutions

Answers to Frequently Asked Questions



People

The Cloud Steering Committee connects the dots of strategy and implementation, but many more are involved ...

Advisory Group

Architectural Design Group

Cloud Communications and Managing Change Task Team

Information coming soon:

- Organizational Development Group
- Program Structure



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University IT Clo-Transformation Program
[PowerPoint] (Dec. 2016)

UIT Community News Articles:

New Website Helps You Understand the Cloud Transformation Project

UIT Cloud Program Update (Spring 2017)

New Advisory Groups Give a Lift to Cloud Initiative

UIT is Headed for the Cloud:



Discussion

Do you have questions or feedback about UIT's and Stanford's cloud activities or plans? You can use this request form to contact the Cloud Program's core team members.

Contact us »

Who are the Cloud Champions? (alphabetical listing below)

AS

Ikenna Anyaso Nirmala Balasubramanian Joshua Barnett Jeff Bubin Helen Clark Larry Dillard **Grace Hung** Maria Inciong Stanley Lee Prakash Maram Leo Volkov

IT SERVICES

Edwin Caoli Angelo Celeri **Alvin Chew** Liz Goesseringer Marcello Golfieri Jay Heyman Lucrecia Kim-Boswell Johanna MacDonald Tom McMurtry Mellani Miller Pam Miller Paul Narcisse Jr. Tracy Neil Mark Piercy Chris Rose Linnea Williams **Prescilla Young**

ISO

Jeremy Tavan Michael Timineri Ian Redzic

SHARED SERVICES

Doug Chalmers Christina Zuffinetti Kelly Miller-Schnaps

Cloud Communications and Managing Change Core Team

(alphabetical listing)

Dani Aivazian Laurie Bouck

Jim Knox

Nan McKenna (project management)

Tricia Richter Tara Robenalt

Nancy Ware

If you're interested in being a cloud change champion, just let us know!

Your Feedback and Open Discussion

Your feedback on this presentation?

Your input on communication needs?

Open discussion and questions?

Our next meeting is Wednesday, September 20th at 2:00

