

**Stanford**  
UNIVERSITY IT

Cloud Transformation Program  
**Quarterly Program Update**



# Welcome to the 1st Cloud Change Champions Meeting!

## Today's Agenda

**1**

**Welcome and Agenda Overview**

**2**

**Cloud Change Champion Roles and Responsibilities**

**3**

**Overview of Cloud Transformation Program**

**4**

**Feedback and Open Discussion**

# 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?

1

We want you to know about the critical PY18 deliverables against the six measurable goals, so that you can support your colleagues through this transition (even if you think cloud doesn't affect you directly right now).

2

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.

3

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 Search



## Cloud Transformation

[Overview](#)

[Vision](#)

[FAQs](#) ▾

[People](#) ▾

# Cloud Transformation



# 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](#)



## Communications

[University IT Cloud 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 Clouds](#)



## 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**

*Thank you!*