**Welcome to the Summer/Early Fall Cloud Program Update!**

### Today’s Agenda

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Overview of the UIT Cloud Transformation Program</td>
</tr>
<tr>
<td>2</td>
<td>Update on current milestones and quarterly progress and accomplishments</td>
</tr>
<tr>
<td>3</td>
<td>Ways for you to get more information and provide feedback</td>
</tr>
<tr>
<td>4</td>
<td>Q&amp;A, feedback, and open discussion</td>
</tr>
</tbody>
</table>
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.
Overview | **Overall UIT Cloud Program Goals** (through 2019)

- **Goal 1:** Perform cloud governance and portfolio management
- **Goal 2:** Define organizational development program
- **Goal 3:** Integrate cloud systems, processes, and services
- **Goal 4:** Run mission critical services in the cloud
- **Goal 5:** Reduce UIT computing footprint on campus 50%
- **Goal 6:** Exit Livermore disaster recovery site
Goal 1: Perform cloud governance and portfolio management
UIT will develop a cloud portfolio strategy supported by a cloud advisory and governance structure

Q3 accomplishments to date (Jul/Aug/Sep)

- Identify/publish Cloud Criteria: Published SaaS/PaaS/IaaS vendor selection criteria and architecture guidance on website
- List of strategic vendors: Updated list is complete and published on the Cloud Transformation site
- Addressing procurement: Developed draft of the criteria for Business Affairs involvement in SaaS acquisitions

Proposed Q4 milestones (Oct/Nov/Dec)

- Define set of activities for appropriate cloud vendor management in order to support product owners in delivering cloud services
- Finalize and publish website for campus for choosing between an IaaS, PaaS, SaaS deployment
- Finalize a limited contract for a cloud usage baseline tool (SkyHigh) and begin testing
- Begin strategic portfolio conversations with service owners and their cloud migration plans
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

Ramping up cloud program communication: Published and updated Cloud Transformation website

Understanding cloud jobs: Drafted three cloud-focused job descriptions (for three new positions), now under review by UIT team and then will go to University HR

Began additional outreach: Started Cloud Champions and Quarterly Sponsor Roadshows

Proposed Q4 milestones (Oct/Nov/Dec)

- Kick off Training and Skills Assessment Team
- Develop skills list to associate with training paths
- Release initial self-help resources and guidance on training paths
- Develop modified job descriptions for system administrator and developer roles
- Continue communication activities including: Cloud Champions in Oct and Nov, UIT Community articles, next round of Sponsor Roadshows

Q3 accomplishments to date (Jul/Aug/Sep)

Program Update | Goal 2 Accomplishments/Progress for Current Quarter
**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.

**Q3 accomplishments to date (Jul/Aug/Sep)**

**Addressing billing:**
- Completed Phase 1a: Scripts have been developed to pull data from AWS and format for input into Stanford billing system.
- Documented as-is and future process for billing end-to-end.

**Proposed Q4 milestones (Oct/Nov/Dec)**

- Continue work on AWS BAA
- Identify Phase 1b: AWS billing and AWS account creation requirements for integrating scripts into EAM
- Finalize and document billing and account creation requirements for Google Cloud Platform
Goal 4 Accomplishments/Progress for Current Quarter

Q3 accomplishments to date (Jul/Aug/Sep)

**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.

**Identify candidates for deployment in the cloud:** Identified migration candidates for PY18 (IAM, Sites 2.0, Active Directory, Code Green, Puppet); began service analysis for PY19.

Proposed Q4 milestones (Oct/Nov/Dec)

- Cloud-ready API design review and gap analysis
- Kick off discovery for a UIT monitoring and log strategy, and for network address and DNS management in the cloud
- Begin testing of Active Directory and Code Green in the cloud (will be completed in Feb 2018)
- Sites 2.0 — Complete Acquia migration timeline and begin testing
- Continue the review of ERP systems
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

Q3 accomplishments to date (Jul/Aug/Sep)
- Completed hardware and VM inventory, as well as status tracking scripts for physical rack space
- Made the decision to use counts of servers and VMs for tracking resource consumption

Proposed Q4 milestones (Oct/Nov/Dec)
- Develop hardware acquisition review process, including budget process and checklist to determine hardware necessity
- Retrofit status tracking script to run against new inventory system (if available)
Goal 6 Accomplishments/Progress for Current Quarter

**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 exiting the Livermore site

**Q3 accomplishments to date (Jul/Aug/Sep)**

- **Inventory review:** Confirmed up-to-date inventory of hardware in Livermore
- **Long-Term strategy:** Began meetings with Facilities/Business Continuity team

**Proposed Q4 milestones (Oct/Nov/Dec)**

- Create a detailed inventory of Livermore equipment, mapped to system and owner, including all VMs
- Create sunset plans for Livermore equipment running services planned to migrate in PY18
What is important for you to know about the cloud?

1. We want to remind you about the cloud program’s 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 web pages 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.
How do you get more information and keep up-to-date?
Webpage: https://uit.stanford.edu/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

For an overview of the different groups, see the Cloud Program Organization Chart.

Information coming soon:
- Organizational Development Group

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 »
Roles and Responsibilities

CLOUD CHANGE CHAMPIONS

THERE 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
Who are the Cloud Champions?  (alphabetical listing below)

**AS**
Ikenna Anyaso
Nirmala Balasubramanian
Joshua Barnett
Jeff Bubin
Helen Clark
Larry Dillard
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**
Ian Redzic
Jeremy Tavan
Michael Timineri

**SHAREd SERVICES**
Doug Chalmers
Kelly Miller-Schnaps
Christina Zuffinetti

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!
What questions do you have?
We’ve already heard about some of the questions 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 questions do you want to talk about today?