

Stanford
UNIVERSITY IT

Cloud Transformation Program

Cloud Change Champions | February 28 2018



Welcome to the February Cloud Change Champions Meeting!

Today's Agenda

1

Welcome and Agenda Overview

2

**Current Quarter Goals and
Accomplishments for the Cloud Program**

3

Feedback and Open Discussion

Reminder | **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

Q1 Milestones (Jan/Feb/Mar)

Propose **support model for SaaS implementations** and recommend pilot for SGG funding

Provide data analysis to OCIO to inform **PY19 priority setting**

Propose **service roles** to OCIO based on data analysis

Work with **Vendor Management** to identify gaps and provide a recommendation to OCIO

Q1 Accomplishments (so far)

Prepared budget ask for **Client Cloud Enablement Team** and presented to Budget Group

Significant progress on **data analysis for portfolio management and priority setting**

Skyhigh initial analysis of logs from six firewalls is done; tuning is in progress with Skyhigh to ensure we get full picture of Stanford cloud usage

Vendor Management has identified current needs for cloud service support

Goal 2: Define organizational development program

Q1 Milestones (Jan/Feb/Mar)

Hold **AWS simulation** for senior staff

Complete **skills list and modified job descriptions** for sysadmin and developer roles

Complete **general skills list**

Create a **path for basic cloud training** for IT leadership; continue to document training plans and paths

Continued **communication** activities

Q1 Accomplishments (so far)

Biggest achievements so far:

- **AWS simulation** completed 2/27
- 2 AWS training classes in January
- Second round of **Exec Sponsor Roadshows** (4 sessions)

Coordinating new series of **lunch-and-learn sessions** for technical staff

New **job descriptions** still being reviewed by UHR Class/Comp

- Regrouping on the skills front with Christine's departure

The team is still working on **training paths**

Goal 3: Integrate cloud systems, processes, and services

Q1 Milestones (Jan/Feb/Mar)

Gain clarity and alignment on **API gateway architecture and support model**

Complete **AWS and GCP billing** and provisioning implementation

Complete **SNow integration for Sites 2.0** (Acquia)

Continue to work on a **BAA** with AWS

Q1 Accomplishments (so far)

Alignment on **API Architecture Principles**, documentation coming

Sites-SNow integration is complete

Sites rollout is currently on hold pending vendor security mitigation

AWS and GCP billing and provisioning is in progress: SNow will be the ordering portal; Scope of automation is still under review.

AWS BAA discussions are currently in progress with OGC

Goal 4: Run mission critical services in the cloud

Q1 Milestones (Jan/Feb/Mar)

Complete strategy for **cloud DNS and network address management**

Complete **cloud monitoring and log strategy**

Productionalize and document the **kubernetes** implementation

Complete **migration of basic infrastructure services** (Acquia, AD, Code Green, etc.)

Continue **ERP review process** with business owners

Q1 Accomplishments (so far)

Strategy for four networking areas in progress: service descriptions, NetDB, architecture use cases, and proxy service for private Stanford networks

Cloud monitoring/log data gathering is in progress; a business analyst has been assigned

Kubernetes goal is in progress; working with UIT Communications on documentation

IAM flip scheduled for March 30

AD production server is being built; **Code Green** is in testing in Azure

Program Update | **Goal 5 Milestones for the Current Quarter**

**Goal 5: Reduce UIT
computing footprint
on campus 50%**

Q1 Milestones (Jan/Feb/Mar)

Review and implement
**hardware procurement review
process** in UIT, excluding
Research Computing, networking
devices, desktop hardware

Q1 Accomplishments (so far)

**Sign-off from AVPs to proceed
with this review**; next steps are
to work directly with groups that
purchase servers

Program Update | **Goal 6 Milestones for the Current Quarter**

Goal 6: Exit Livermore disaster recovery site

Q1 Milestones (Jan/Feb/Mar)

Finalize **template for a service exit plan** that can be used for Livermore services, and retire equipment (if possible)

Q1 Accomplishments (so far)

Working with Hosting Services to **test the draft service exit template** on the Kerberos server that's in Livermore

What is important for
you to know about
the cloud?

1

Cloud is still a top priority for University IT. Management will help staff balance their workload around cloud projects.

2

We are in the homestretch of this performance year. Planning for next year is underway so that we can keep moving fast.

Additional Feedback and Open Discussion

Your feedback on this presentation?

Your input on communication needs?

Open discussion and questions?

**Our next meeting will be on
March 21 2018**

Thank you!