60 Oxford Street Data Center Closure

Spring 2017
Agenda

• Why are we closing the data center?
• Approach
• Timeline
Why close the data center?

Rates

- On-premises, high fixed costs
- Non-competitive rates
- Decreasing datacenter revenue
- Price per compute unit is better in the Cloud

Security & Disaster Recovery

- Lack of disaster recovery
- Uneven implementation of information security standards across applications
- Cloud DR capabilities and the relocation of the network core to improve our DR posture.
- Basic security remediation part of the cloud migration process

IT Landscape

- Harder to integrate, secure, and operate our applications
- Time and resource intense development and maintenance
- Common tools, and architectures enable agility and consistent adoption of critical University policies in the cloud
60 Oxford Street Data Center Servers

926 HUIT App + Server Managed

Appliance & Network Hardware Remain

209 HUIT Server Managed
(98 FAS)

80 Non-HUIT Managed*
(36 FAS)

* Does not include totals for Rack-only groups FAS-RC, SEAS, UHS, HUECU

KEY
- HUIT Server Managed
- Not-HUIT Managed
- HUIT Server & App Managed
= approx. 10 Servers
Approach

**209 HUIT Server Managed**
- HUIT Migration
- Lift & Shift to AWS
  - Preferred Option

**80 Non-HUIT Managed**
- ?
- Do-it-yourself migration to AWS

**End State**
- **Location**: AWS
- **Service level**: Continued SOC Sysadmin services
- **Cost**: Same for current servers, lower AWS hosting costs passed on

**Location**: AWS
- **Service level**: Consolidated Billing and Cloud Foundations
- **Cost**: Entirely based on AWS usage

**Location**: 1 Summer
- **Service level**: Hosting-only, same as current
- **Cost**: 1 Summer hosting costs comparable to 60 Oxford

**Move to 1 Summer**
Timeline

**FY17**
- February 2017: Provisioning freeze and “Cloud first” policy
- Aggressively migrate HUIT applications to the Cloud
- Define a new set of Cloud services

**FY18**
- Launch new Cloud services
- Continue migrations
- June 2018: All HUIT applications and infrastructure out of 60 Oxford Street

**FY19**
- December 2018: All non-HUIT managed applications and infrastructure relocated outside of 60 Oxford Street
- June 2019: Close 60 Oxford St.
- Relocate network core and on-premises systems