



DISASTER RECOVERY PROJECT

Update for the Joint Committee
on Information Technology (JCIT)

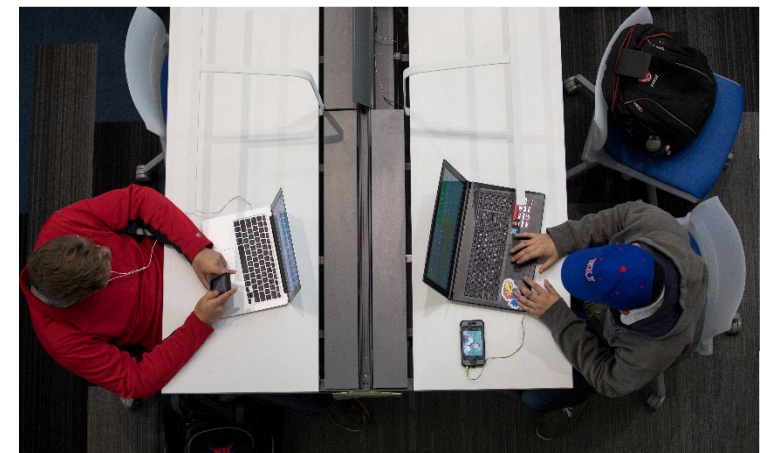
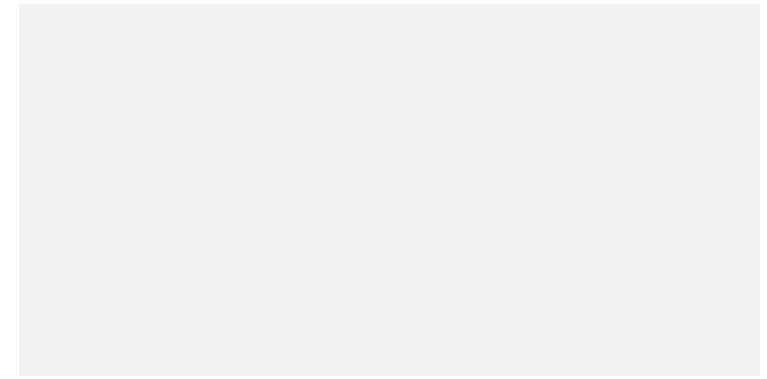
Mary Walsh
Chief Information Officer
University of Kansas

11-16-2022



Presentation **Overview**

1. **KU IT Overview & Systems Overview**
2. **Project Overview**
3. **Project Status Update**
4. **Project Benefits**
5. **Questions**

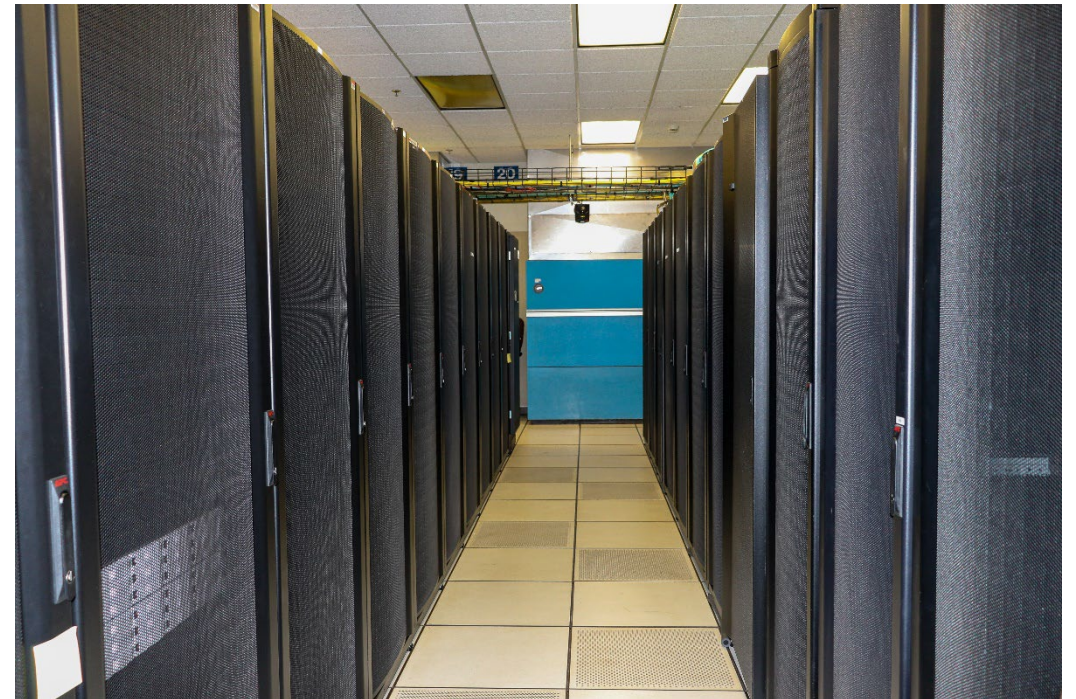


KU IT Overview

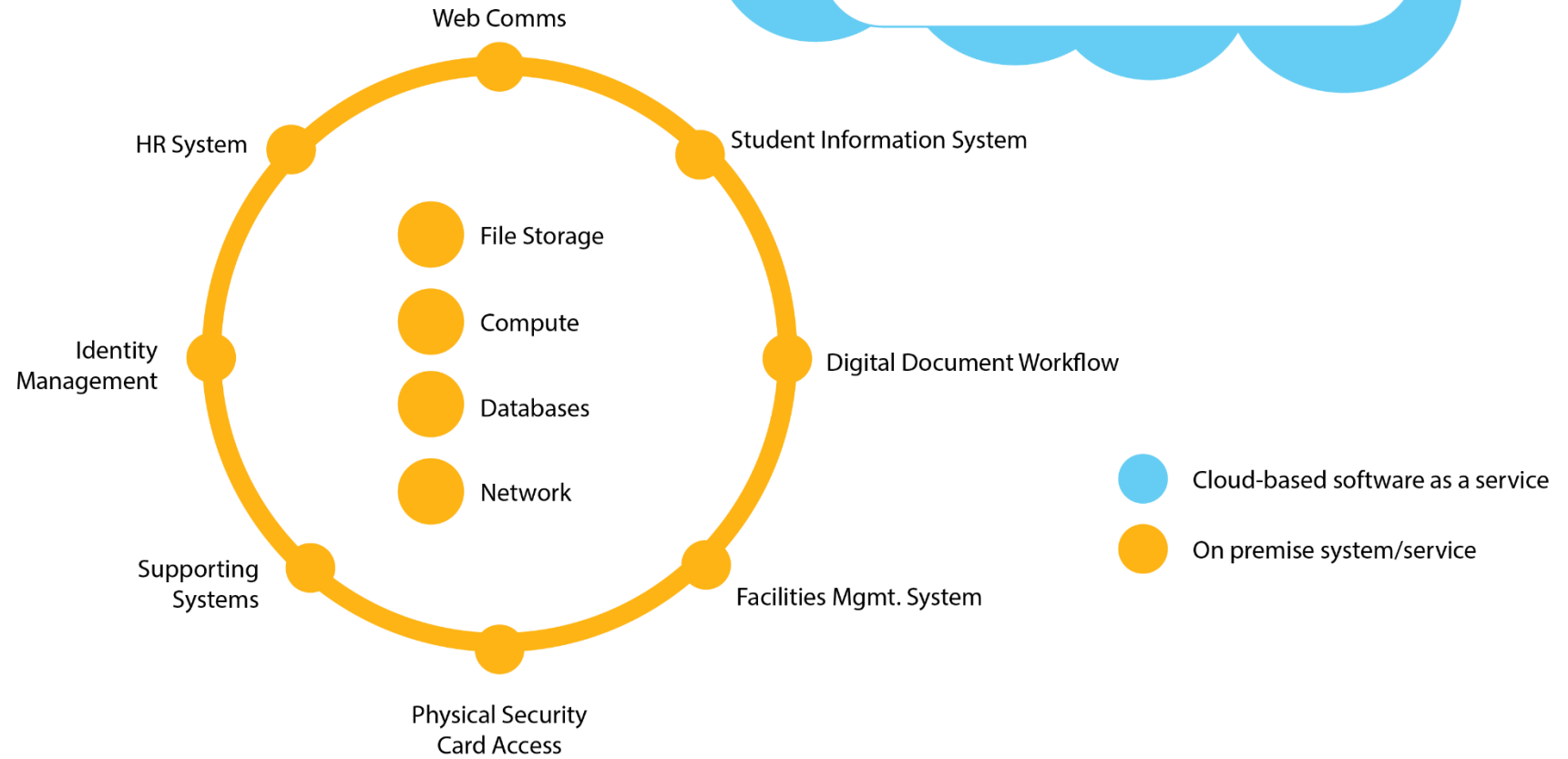
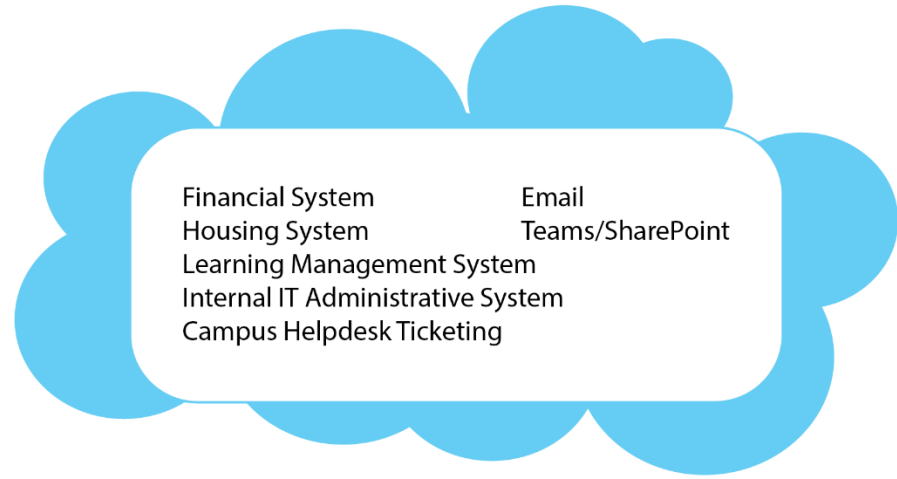
KU Information Technology supports the University of Kansas academic and research missions by providing a broad range of technology services, including key campus technical infrastructure.

We operate a lean data center on our Lawrence campus that hosts many of our core services on premise. To ensure business continuity in a disaster scenario, we launched a project in spring 2022 to create a warm disaster recovery site at KU Medical Center.

3 KU INFORMATION TECHNOLOGY DISASTER RECOVERY AND BUSINESS CONTINUITY



KU IT Systems Overview



Project Overview

- Submitted to KITO: May 18, 2022
- Estimated Completion Date: August 15, 2023
- Life-span: Five years
- Budget: \$950K - \$1M
- YTD Expense: \$957K

Planning & Procurement

Power & Network

Hardware

Data

Identity

Processes

Testing

Playbooks

Project Status Update

| | Phase | Task |
|---|------------------------|--|
| ✓ | Planning & Procurement | Completed planning for rack layouts, power, network, power, and traffic flows |
| ✓ | Planning & Procurement | Procured all devices needed; currently finalizing associated long-term licensing; |
| ✓ | Power & Network | Installed racks, power, and network solution |
| ✓ | Hardware | Completed installation of firewall, servers, monitoring, storage, and replication service |
| ✓ | Data | Replicating all Oracle production databases to KUMC; replicating all production data as immutable copy to KUMC |
| ✓ | Processes | Verified all supporting systems are in place |
| ✓ | Testing | Tested first system, Maximo, on Nov. 2 |
| | Next Steps | <ul style="list-style-type: none">• Performing failover tests of core systems• Creating disaster recovery playbooks• Working with KU's Enterprise Risk Committee on our business continuity plan |

Project Benefits **Lowering Risk**

- Provides warm failover site in case of disaster recovery scenario
 - Primary concern is natural disasters (tornadoes, flooding, etc.)
 - Provides 2nd offsite location for production data
- How does this protect us in a ransomware scenario?
 - Layers of protections: Storage + Backup + Endpoint Detection & Response
 - Benefit from another location for snapshots and backup data

Questions