Information Technology Services

K-STATE 2025

KANSAS STATE UNIVERSITY

Information Technology Services

K-State 2025 Update

KANSAS STATE UNIVERSITY

2025 Themes

I. Research, Scholarly and Creative Activities, and Discovery (RSCAD)
II. Undergraduate Educational Experience
III. Graduate Scholarly Experience
IV. Engagement, Extension, Outreach and Service
V. Faculty and Staff
VI. Facilities and Infrastructure
VII. Athletics

ITS Key Accomplishments/Successes

Technology improvements occur, from advancements in hardware and software, and in how hardware and software are used.

Infrastructure

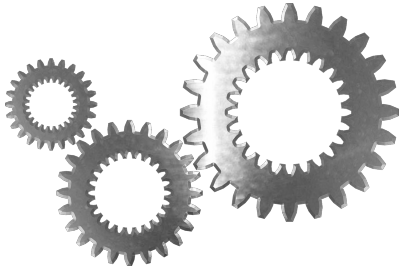
canvas

mediasite by sonicfoundry

Microsoft Office 365

OmniUpdate

Communication Tools



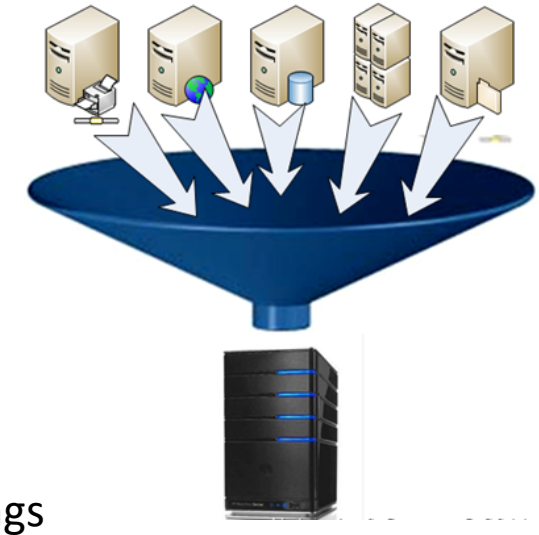
Automation

Staffing

Infrastructure

Converged Infrastructure

- Migrated to modern architecture
- Moved Enterprise Resource Planning systems
- Other systems moved by end of 2017



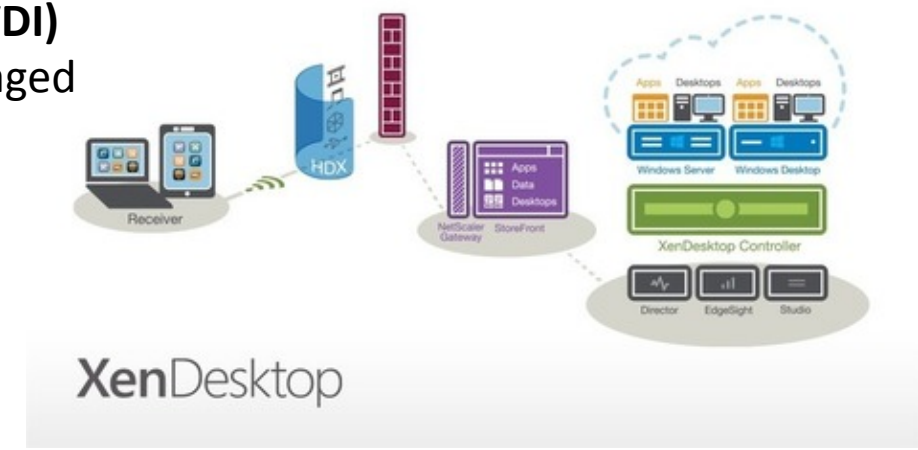
Benefits

- Long-term replacement hardware savings
- Faster response time
- Lower power usage
- Improved security

Infrastructure

Virtual Desktop Infrastructure (VDI)

- Computer labs centrally managed
- Completed in 2017



Benefits

- Rapid deployment of software
- Reduced cost of $1100 - $600 per machine
- Refresh cycle extended 2 - 4 years

Infrastructure

Tech Classrooms

- Fifty classrooms updated with
  - Displays (e.g., LCD projector)
  - Laptop connection
  - Sound system

Benefits

- Expanded access to instructional materials
- Enhanced learning environment

Before - 4,692 square feet, 484 seats

5,000 students per semester

Umberger 105 Remodel

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UNIVERSITY
CONGRATULATIONS
GRADUATES

After – Looking North

Waters 231
Seats = 194
EXIT

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Infrastructure

Renovations/new building IT standardization

- Engineering Complex, Phase IV
- College of Business Administration
- K-State Student Union
- Berney Family Welcome Center
- Veterinary Medicine Complex

Infrastructure

Network

- 80GB backbone
- 3,000+ wireless access points
- Wifi coverage at athletic events
- 100 GB ‘HyperCore’

Benefits

- Increased bandwidth for researchers
- Better wireless service, especially for large crowds

Communication Tools

Web Content Management System (CMS)

- Standardize K-State web publishing
- 50,000 web pages created
- 95% college-level units migrated

Benefits

- Accurate and consistent web pages
- Synergy among web developers
- Stylized look and feel
- Eliminated redundant page editing systems/web servers

Communication Tools – video conferencing

Zoom, web-based video conferencing system

- 5,000 K-Staters with Zoom accounts
- 3.6 million meeting minutes so far
- Mobile friendly
- Centrally managed

Benefits

- Conduct meetings without travel
- Host nationally recognized speakers
- Cost savings, dropped other services

Communication Tools – email & calendar

Office 365

- Collaborative service that integrates email, calendaring, shared workspace, and social media
- Free to students attending K-State, $80 savings

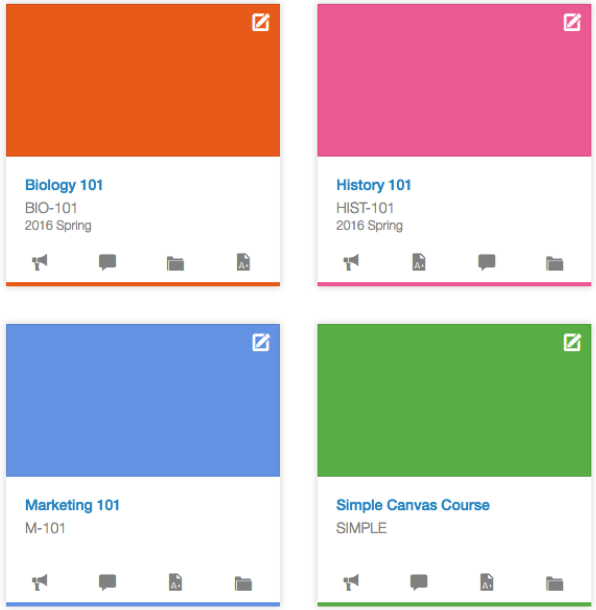
Benefits

- Improved reliability
- Enhanced security
- Spam and phishing protection
- Compliance with federal data locations and security (necessary for working with federally funded grants)

Communication Tools – teaching & learning

K-State Online (KSOL)

- Canvas Learning Management System (LMS)
- Replaced Axio
- Centrally managed



Benefits

- LTI integration
- Mobile friendly
- Canvas Commons
- Canvas Guides

Communication Tools – video streaming

Mediasite

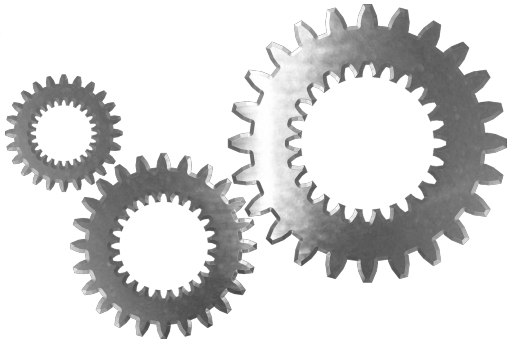
- Centrally managed
- 1400+ content creators
- 21,844 presentations currently on the system
- 12,414 active content hours
- 1.3+ million all-time presentation views

Benefits

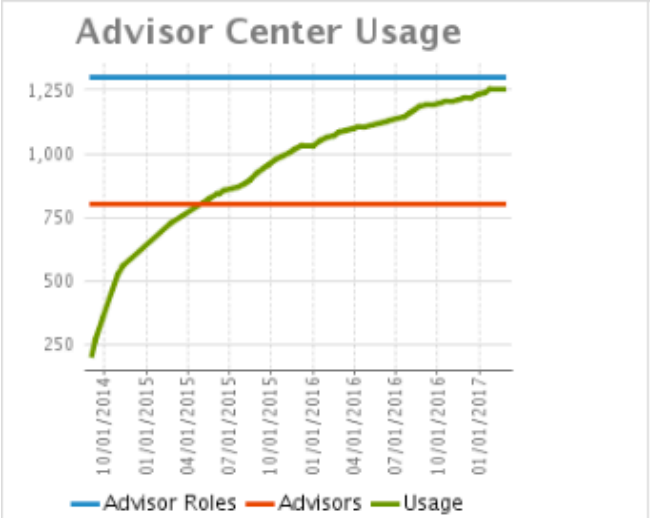
- Automated room capture
- Personal/mobile capture
- Video upload/publishing
- Collaborative editing
- Live/on-demand streaming

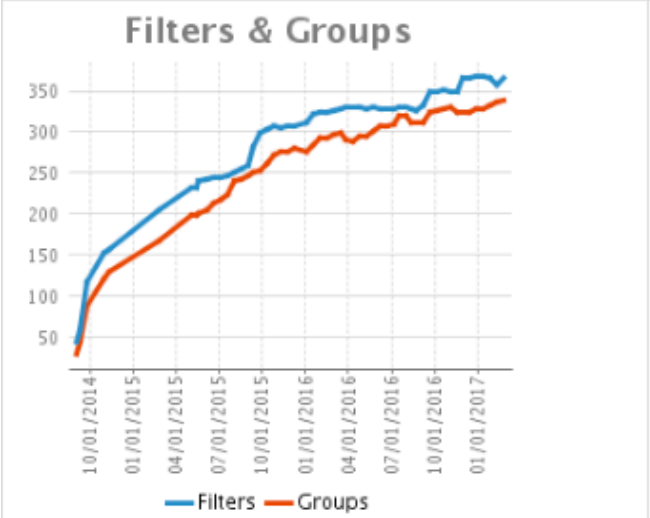
Process Automation

Over a dozen projects to automate business process



- Admissions, scholarships, mentoring
- Grade submission & changes
- Student employee time cards
- Transcript ordering
- Payment and delivery
- Travel voucher electronic funds transfer
- Registration for conferences
- Facilities work orders
- Financial and other forms
- Academic Advising





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Staffing

K-State Research and Extension (KSRE) consolidation

- KSRE staff moved to ITS
- KSRE websites moved to K-State's CMS
- Decommissioned KSRE data center

Benefits

- Reduced duplication of services and support
- Reduced maintenance costs
- Savings in electricity, fuel, support and licensing

Staffing

ITS relocation to Unger Complex

- Enterprise Server Technologies
- Security
- Web Systems Engineers

Benefits

- Increased communication
- Established standards of practice
- Increased productivity
- Providing better services to university

Key Priorities

Current Initiatives

- Converged Infrastructure Migration and Evaluation
- Security Program Review and Implementation
  - Combine IDM & Security into ISC
  - Fill Director/CISO position
  - Firewall Replacement
- ERP System Upgrade & Long-range Planning for ERP
- Virtual Desktop Infrastructure (VDI) in Computer Labs
- Disaster Recovery and Business Continuity Planning
- Voice System Upgrade
- Classroom Upgrades
- Mobile Experience Across Services

Alignment of Services, Staff, and Budget

- Operating Model
  - Workforce Readiness Project and process evaluation
  - IT Service Portfolio Project
- IT Governance
  - Review of existing governance structures
  - Gap analysis and action plan
- Enterprise Architecture
  - Establishment of an EA Review Board
  - Identification of core artifacts