

Infrastructure and Architecture Roadmap (February 2019)

Parent/Master Projects	2H - FY19 (Jan - Jun 2019)	1H - FY20 (Jul - Dec 2019)	2H - FY20 (Jan - June 2020)	Area of Excellence	Responsibility	OneIT Strategy Alignment	Goal	Strategy
Cloud Network and Services Access	Ensure efficient network connectivity to AWS and Azure. Tools and Implementation (D Kelly)			Data Center	Dave Kelly	4E	Goal #4: Innovation	E. Intentionally direct more of our IT efforts to supporting innovation.
Replicating our authentication Infrastructure in "the Cloud"	Upgrade the Directory Sync service to support InTune Co-Management Workstation. (D Metzler)			Data Center	Dan Metzler	4e	Goal #4: Innovation	E. Intentionally direct more of our IT efforts to supporting innovation.
Active Directory Domain Operations	Deployment External DNS servers to reduced DDoS exposer and allow remot workstation to login faster (D. Metzler)	Upgrade Domain Controllers in UIowa, Healthcare and Iowa to Windows 2019		Data Center	Dan Metzler	4e	Goal #4: Innovation	E. Intentionally direct more of our IT efforts to supporting innovation.
Develop a monitoring solutions to inventory equipment, monitor utilization, alert on out of bounds conditions and keep historical performance data on systems.	Evaluating and recommend a system to replace SPONG and SCOM in monitoring and altering for SST systems (JJ Urich)	Develop a plan to replace SPONG in monitoring and altering for SST systems (JJ Urich)		Data Center	JJ Urich	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
OneIT Data Center Consolidation Phase II: enterprise data center MEP management and operations	Evaluate the consolidate enterprise data center Mechanical Electrical and Physical (MEP) management and operations, Department of Public Safety at University Capital Center (UCC) and Visualization Lab Server Room at Pajajohn Bio Discovery Building (PBDB) (J Protheroe)			Data Center	Jerry Protheroe	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
HCIS Data Center Phase I: enterprise data center MEP management and operations	Consolidate enterprise data center Mechanical Electrical and Physical (MEP) HCIS managed data centers Building (J Protheroe)			Data Center	Jerry Protheroe	7A	Goal #7: IT Evolution	A. Leverage the complementary strengths of Health Care Information Systems and OneIT to foster success in teaching, research, and health care, and to meet growing demand for IT. Execute collaborative HCIS/OneIT assessments and resulting implementation projects to take advantage of expertise, reduce duplication, leverage scale, and optimize IT support.
Storage Refresh		Evaluate Equalogic storage service. Recommend alternative solution to replace iSCSI service. (JJ Urich)		Data Center	Dave Bronder	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Server Refresh	Refresh AIX systems running Oracle (JJ Urich)	Decommission old AIX servers.		Data Center	JJ Urich	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
RHEL to CentOS migrations	Develop a Cross Functional team for CentOS support. Services to include automated system deployment and patch management using SpaceWalk (JJ Urich)			Data Center	JJ Urich	9e	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Starexec \$800k expansion	Purchase two racks of expansion compute nodes for starexec High Performance Compute (J Urich)			Data Center	JJ Urich		No Goal Assigned	No Strategy Assigned
Data Center Infrastructure Management (DCIM) Implementation	Complete the tracking of all datacenter in DCIM (ITF, LC, EMRB, PH)	Complete the tracking of all datacenter in DCIM (ITF, LC, EMRB, PH and Engineering)		Data Center	Jerry Protheroe	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Data Center Linux offering	Delivery SpaceWalk service for secure updates to Linux systems. (JJ Urich)	Review data center Linux offerings. Migrate RedHat to CentOS. (JJ Urich) + date		Data Center	JJ Urich	9A	Goal #9: Effectiveness & Efficiency	A. Implement an IT Service Management (ITSM) framework based on IT Infrastructure Library (ITIL) principles.

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HawkID	Move Healthcare services to HawkID authentication. (J O'Konek)			Directory Services	Jordon O'Konek	3A	Goal #3: Data	A. Implement an effective and sustainable institutional data governance process to ensure the stewardship, quality, accessibility, and security of data
Telephony	Deloy e-Fax with HCIS to campus (S. Troester)			Enterprise Communications	Steve Troester	7A	Goal #7: IT Evolution	A. Leverage the complementary strengths of Health Care Information Systems and OneIT to foster success in teaching, research, and health care, and to meet growing demand for IT. Execute collaborative HCIS/OneIT assessments and resulting implementation projects to take
Telephony	Planning and Pilot the deployment of Skype for Business 2019 to include ITS and HCIS (S. Troester)	Deployment of Skype for Business 2019 to include ITS and HCIS (S. Troester)		Enterprise Communications	Steve Troester	7A	Goal #7: IT Evolution	A. Leverage the complementary strengths of Health Care Information Systems and OneIT to foster success in teaching, research, and health care, and to meet growing demand for IT. Execute collaborative HCIS/OneIT assessments and resulting implementation projects to take
Virtual Desktop Infrastructure	Deploy service for GPU computing using VDI. (M McLaughlin)			Campus Partners	Matt McLaughlin	4A	Goal #4: Innovation	A. Create new internal funding options for faculty, staff, and students to pursue innovation.
Upgrade VMware ESX		Upgrade VMware ESX support for Containers (M McLaughlin)		Campus Partners	Matt McLaughlin		No Goal Assigned	No Strategy Assigned
UofI Hostmaster	Upgrade campus DNS servers to CentOS and new hardware. Support SPLUNK logging for DNS (Jay Ford)			Network Services	Jay Ford	6e	Goal #6: Risk/Security	E. Assess enterprise risk and adopt systems to facilitate the identification, acceptance, or mitigation of risk.
College of Engineering network	Upgrade IIHR buildings to campus network standards (Matt McLaughlin)			Campus Partners	Matt McLaughlin	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
State Hygienic Lab Network	Migrate Services from legacy equipment to standated OneIT services (Desktop, Networking, HawkID) (Frank Delin)			Campus Partners	Frank Delin	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Edge electronic	Develop a plan to refresh network electronics. Service Review of campus Edge Network (C Meier)			Network Services	Chris Meier	4C	Goal #4: Innovation	C. Ensure that existing production IT services are as adaptable as possible to accommodate innovation and emergent technology needs.
Remote Campus Support	Add support for State Hygienic Labs in Ankney and McMurry Labs in Cedar Rapids (Jay Ford)			Network Services	Jay Ford	1C	Goal #1: Teach & Learning	C. Deliver initiatives and programs in support of effective instruction.
IT rooms: Power and HVAC	Upgrade power and HVAC in campus buildings to support 208 power. (G Stumpf)			Physical Infrastructure	George Stumpf	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
New Golf Facility Commissioning	Commission new golf facility (G Stumpf)			Physical Infrastructure	George Stumpf	9	Goal #9: Effectiveness & Efficiency	#N/A
College of Pharmacy Building Commissioning		Commission new College of Pharmacy Building (G Stumpf)		Physical Infrastructure	George Stumpf	9	Goal #9: Effectiveness & Efficiency	#N/A
Brain Science Building Commissioning		Commission Brain Science (G Stumpf)		Physical Infrastructure	George Stumpf	9	Goal #9: Effectiveness & Efficiency	#N/A

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Server Efficiency	Deploy Puppet agent on all Windows systems. Package deployment of BigBrother via Puppet to Windows Servers. (JJ Urich)			Data Center	JJ Urich	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Server Efficiency	Migrate from open source Puppet solutions into a Puppet Enterprise solution. Lead a steering committee on direction and standards for campus. (JJ Urich)			Data Center	JJ Urich	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.
Dev/Ops	Move BitBucket Repo to GitLab (K Kahler)	Decommission BitBucket (K Kahler)		Data Center	Katie Kahler	9E	Goal #9: Effectiveness & Efficiency	E. Implement a formal process-reengineering team to focus on IT service processes.