Utah Education Network

2008 Strategic Plan



2. Work with the State Office of Education and Districts to evaluate statewide approaches to increase bandwidth capacity to
elementary schools
E. Provide support to district and higher education technology staff to ensure that the enhanced capacity and reliability of the
network is fully utilized.
F. Expand Internet capacity to meet growth in network traffic.
1. Explore additional alternate Internet Point of Presence (PoP) sites
2. Explore, develop and implement ways to keep local network traffic local
3. Work with CENIC and FRGP to develop NLR TransitRail for national peering opportunities
G. Protect the network through improved security and security practices.
1. Continue UtahSAINT user group
a. Keep current and publish security contacts list
b. Conduct weekly and ad hoc security calls
c. Plan and conduct two security conferences per year
d. Support other State security activities
e. Develop single-issue forums for specific needs
2. Provide leadership role for security expertise and assistance as required by districts and higher education institutions
a. Conduct and coordinate outside security assessment
b. Assist with security configuration and design
c. Provide security monitoring and reports
3. Work with Steering Committee to develop security policies
4. Continue to develop security monitoring tools
5. Work with state CIO and institutions to support USHE security audits as required.
H. Support the high capacity/high speed network needs of university researchers.
1. Continue participation in national and regional network partnerships (Internet 2, National Lambda Rail, The Quilt, and
Western Lights)
2. Develop the SURIN Board as directed by the UEN Steering committee
3. Provision network to accommodate research requirements
4. Work with UDOT and DTS to place fiber between UofU and USU to support research
5. Investigate UEN's role with Ustar project
6. Support development of Utah Fiber Infrastructure Project
Dravide technical leadership and staff/stakeholder development
I. Provide technical leadership and staff/stakeholder development. 1. Undertake outreach and promotion efforts of Wide Area Network projects
2. Work with the Steering Committee to formalize Regional Technical Forums

3. Define expectations (i.e., frequency of meetings, leadership roles, format, participants, etc.) of regional technical forums
4. Establish annual reporting relationship between regional leaders and UEN Steering Community
5. Provide leadership in technical training: including expanded regional training, greater depth, more frequent and topic-specific
training at tech summits, and refined security training
6. Provide training and leadership in the area of improving LAN reliability and speed on a local level
7. Expand advocate program to libraries, USDB, Charter Schools
8. Support USHE IT staff in efforts to increase operational expertise across all institutions and explore possibility of taking
advantage of virtual staff or staff leasing.
9. Support the CIO's and TCC to research and develop a disaster recovery plan for network and planning to provide back up
equipment and staffing for emergency situations.
II. EDUCATIONAL WEB RESOURCES
Aggregate and deliver a suite of high quality Web-based educational resources to support best practices in teaching and
learning.
To achieve this goal, UEN will pursue the following objectives:
A. Host, support, and maintain web projects and services.
1. Coordinate lesson plan development and publishing with USOE
2. Expand and maintain core curriculum resource database
3. Support USOE Web pages in coordination with specialists
4. Support UTIPS in coordination with USOE
5. Complete updates to CACTUS per USOE's requirements
5. Refine UEN-TV and Utah ITV What's On schedule
6. Continue development of my.uen with additional portlets and functionality
7. Undertake communication, outreach, promotion of Web projects
B. Develop and implement new and expanded web resources.
1. Improve navigation and design on uen.org and increase interactive features
2. Develop UEN Professional Development Management interface for participants
3. Upgrade mailing list software and provide user training
4. Explore future plans for www.activities
C. Promote new and existing UEN Web services through technology, outreach, special events and media relations.
1. Produce and distribute NetNews Newsletters for public education and higher education
2. Promote UEN services and resources with online NetNews features on UEN.org
3. Feature uen.org at statewide conferences and exhibits
D. Support administrative activities for the uen.org site.
1. Gather, review, and post monthly web statistics
2. Automate web publishing process
III. ENTERPRISE SOLUTIONS

License, host and maintain statewide enterprise solutions supporting public education, higher education, and libraries.
To achieve this goal, UEN will pursue the following objectives:
A. Host, support and maintain existing enterprise solutions and train managing personnel.
1. Service: Course Management System (Vista)
a. Act as support escalation agent between Vista institutions and WebCT support and Respondus support
b. Conduct regular Vista administrator coordination meetings
c. Provide scripted enrollment service for participating institutions
d. Provide institution administrator training
e. Review and complete Service Agreements and service documentation with hosted institutions
f. Coordinate shared faculty and student training materials development
2. Service: BlackBoard Course Management System
a. Act as support escalation agent between UEHS and Blackboard support
3. Service: Digital Media Service
a. Migrate UCME legacy metadata and media into DMS
d. Continue to add newly licensed media to DMS
e. Conduct metadata integrity and quality review of titles currently in the DMS
f. Attach existing text caption files to associated videos
g. Maintain NETA Media Exchange pilot service
h. Train and support UEN internal staff in digial asset management best practices
4. Service: Pioneer Library
a. Maintain and update Pioneer Library access IP address listings
5. Service: Infrastructure Foundation
a. Update SAN Storage Domain Servers to latest software version
b. Upgrade and patch server OS
c. Extend enterprise/backup recovery system to all servers and DMZs
d. Cycle out server hardware older than 5-6 years
B. Implement new enterprise solutions, services, and expand existing functionality to meet stakeholder needs
1. Service: Course Management System (Vista)
a. Complete automated scripted user imports and enrollments to Vista for non-integrated institutions
b. Complete Banner SIS integration for Dixie State College
c. Assist UCAT campuses in implementing Vista
d. Enable Vista single -signon via UVSC campus portal
e. Assist University of Utah in migrating to Vista
f. Create Vista reports interface via the Vista Powersight kit
g. Research a central 24/7 WebCT helpdesk/ searchable knowledge base capability for USHE students and faculty
h. Integrate Web Conferencing service with Vista

2. Service: Web Conferencing Service
a. Select and implement hosted web conferencing system for higher education institutions
b. Explore funding and implementaion options for extending service to K-12 system
3. Service: Digital Media Service
a. Upgrade TeleScope software to version 8.3, Video Manager 2
b. Modify customized TeleScope interfaces to enable new features from 8.3 upgrade
c. Connect DMS to KUEN datacasting systems sending media to youth-in-custody facilities
d.Create metadata export / harvesting from DMS to third-party systems such as library catalogs
e. Create KUED website integration serving media files from DMS storage to KUED.org
f. Plan DMS / my.uen integration
g. Plan workflows for Codian to DMS digital course repository
h. Build DMS information web page
i. Explore DMS integration with Course Management System (Vista)
4. Service: Pioneer Library
a. Support implementation of a federated search tool in Pioneer
b. Secure funds to expand Pioneer Library's multi-media resources
5. Service: Infrastructure Foundation
a. Mirror all SAN storage for completely redundant systems
b. Upgrade remaining data center racks to support managed power, four post server hardware, system lights-out
management, and cable management
c. Extend enterprise backup/recovery systems, tape drives and fabric bandwidth
d. Explore possible co-location of storage area network mirrors
C. Increase awareness and use of enterprise services. Provide usage reports.
1. Service: WebCT Vista Course Management System
a. Expand Vista resource and information page on UEN.org
b. Collaborate with participating UCAT Vista institutions to develop and deliver Vista faculty training workshops
c. Co-sponsor Teaching with Technology Idea Exchange conference with UVSC
d. Define system usage reports with input from hosted institutions
2. Service: Pioneer Library
a. Continue Pioneer advocate program
b. Work with Pioneer Library committee and PR team to develop and implement promotion tactics; create collateral material
for PR
c. Publish Pioneer product usage reports
3. Service: Digital Media Service
a. Promote eMedia and CollegeMedia
b. Create DMS media usage reports
D. With USHE CIO's and the TCC, investigate other services or IT functions that might be centrally hosted by UEN

a. Implement web-based collaboration and communication tools (e.g., Macromedia Breeze and Horizon Wimba)
b. Support the ongoing evaluation of open source alternatives in course management systems.
c. Explore single sign-on technologies and standards and what roles UEN could serve in identity management
d. Assist USHE CIO's and TCC to evaluate centrally managed disaster recovery services and the role UEN should perform
in providing that service
IV. DISTANCE EDUCATION
Deliver Distance Education classes and programs offered by public and higher education that use real time and on
demand, reliable, high quality video conferencing technologies.
To achieve this goal, UEN will pursue the following objectives:
A. Continue EDNET IVC migration plan
1. Pursue funding for continuation of promotion and expansion of Distance Education
B. Complete conversion of UENSS to IVC technology
1. Partner closely with USU in planning and implementing conversion
a. Provide joint UEN/USU project management via administrative group
b. Staff specialized teams and participate in project work groups
2. Continue planning to meet funding and staffing needs
C. Develop operational practices, procedures, and policy to manage and efficiently utilize IVC resources on the network
1. Plan and pilot manual switching capabilities as the iView product and UEN experience matures to enable independent
scheduling ability
D. Provide online tools and information that supports Utah's distance education programs
a. Create distance education online resources for students
b. Maintain and update the course scheduling web site
c. Maintain and update the UEN Distance Education Catalog
V. BROADCAST SERVICES
Educate, engage, and enrich the lives of Utah citizens through broadcast programs and services with UEN-TV.
To achieve this goal, UEN will pursue the following objectives:
A. Continue programming and outreach for education stakeholder groups
1. Program blocks and interstitials for targeted areas
a. Continue Internet Safety outreach and presentations
2. Back to School resources for K-12 Teachers with KUED
3. Continue on-air campaign to promote post-secondary education opportunities, programs and USHE institutions
4. Continue outreach to adult, community, and corrections education providers.
B. Implement new projects to support educational programming and outreach
1. With Higher Ed committee, develop and procure locally produced educational programs
2. Conduct educational outreach to educate citizens about DTV transition

3. Develop educational multicast for 9.2 that serves community needs and is attractive to cable providers
4. Develop and program on-air education calendar of events.
C. Support broadcast engineering infrastructure.
1. Refine broadcast operations to ensure smooth transition to automation.
2. Investigate server archive replacement, Move toward tapeless MassTech system
3. Expand digital translator capabilities.
a. Conduct RUS Grant activities if funded.
b. Develop a schedule for the addition of companion translator channels
4. Plan for replacement of UENSS Cable feeds.
5. Implement Next Generation Interconnection System (NGIS)
6. Work with UEN to determine where shared resources may be used
7. Perform analog maintenance as needed.
8. Work to identify and offer ongoing new tech. education to our engineers.
9. Monitor and evaluate any action to change the analog shutoff date
10. Investigate disposal options of various analog transmission-related equipment.
11. Work with staff to develop plans for the integration of New Media
VI PROFESSIONAL DEVELOPMENT
Provide professional development opportunities to improve the quality of K-20 instruction and assure effective
implementation of technology in education.
To achieve this goal, UEN will pursue the following objectives:
A. Continue development of ongoing courses and training materials.
1. Continue classes, endorsement program, ITC workshops
B. Complete new class development and delivery projects.
1. Provide WebCT training for faculty
2. Increase "just in time" training resources
3. Provide training on new UEN web products and services.
4. Develop web tools that support educator communities of practice
C. Provide documentation and outreach for UEN professional development services.
1. Make video tutorials for UEN products available through eMedia.
2. Build awareness of prof dev services through promotion and presentations
D. Administer the projects and services provided by UEN Professional Development department, and report on accountability
measures to appropriate stakeholders.
1. Continue to assess performance and report on performance
VII. GOVERNANCE AND ACCOUNTABILITY
Coordinate educational technology governance across the state, and be accountable to our stakeholders through
communication, measurement, and reporting on UEN services.
To achieve this goal, UEN will pursue the following objectives:

A. Coordinate UEN Steering Committee, subcommittee, advisory committee, and constituent meeting groups. 1. Update policy manual B. Request new funding for UEN priorities and maximize state funds through external grants, eRate, and other revenue sources. 1. Develop briefing papers and documents in support of funding requests. 2. Seek grant and foundation funds; coordinate these projects with stakeholders as appropriate. 3. Coordinate eRate process with SLD, K-12 Districts, Libraries, and telecommunications providers. 4. Support 21st Century ETI as determined by the Steering Committee C. Track UEN performance, projects, and services and communicate with stakeholders regarding our work. 1. Develop Service Report process, tied to Crystal Reports, and other tools as appropriate. 2. Develop Service Level Agreements with stakeholder groups. 3. Create NetNews for higher education; gather input and story ideas from institutions 4. Communicate about UEN organizationally; NetNews, legislative publications, Steering Committee reports, etc.
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5. Develop UEN Service Catalog, communicate this information through SLA's.
6. Report monthly statistics on use of UEN Web Services, Enterprise Applications, Professional Development and WAN
metrics.
7. Produce quarterly UEN Performance Dashboard.
D. Increase internal communication, project management and coordination of services.
1. Continue development of Information Technology Infrastructure Library (ITIL) process and training.
2. Hold bi-monthly managers meetings and weekly executive meetings for cross-department communication
3. Working with Steering Committee and Subcommittees, develop annual strategic plan and budget that crosses all UEN
departments.
4. Build skills and knowledge of UEN staff through professional development, industry publications, conferences, workshops
and membership in professional organizations.