

Next Generation Media and Collaborative Apps

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The Media and Collaborative Apps Team

- Around 30 combined staff and students
- Based in Woodward Hall Video production and live meeting support
 - Production Studio
 - Web Services
 - Classroom and Conference Space Design
 - Training and Technical Support

Enterprise Applications and Services we support

- Video and Web Conferencing to the Desktop
 - Blackboard Collaborate
 - Zoom
- Multimedia and Video creation and delivery
 - Kaltura
 - Mediasite
 - Events, Large Meetings and Webinars
 - Video Production
 - Collaboration with the Learning Environments Team for room buildouts
- Micro-credentialing and Digital Badging
- Support for the Learn Team

Our Woodward Hall Facilities

- Operations Center
 - Remotely monitor, manage and support meetings and classroom
- Full Video Production Studio
- Video production and multimedia creation workflows
 - 10Gbe network
 - massive file storage

Summer Projects

- Large Lecture Hall Upgrades
 - Cameras, microphones, etc., to support live collaboration and lecture capture
- Video Production Studio Upgrade
- Refresh of OSynch classrooms
- Adding multiple new rooms in Dane Smith and Mitchell Halls
- Piloting Kaltura Classroom
- Go live for Enterprise Digital Badging pilot

What is an Enterprise Service or Application?

- Support at the institutional level
- Scalable and Sustainable
- Works and plays well with other Enterprise Services and Applications
 - Blackboard Learn
 - Identity management, Authentication and Authorization systems
- Exists within Policy and Regulatory Frameworks
 - Privacy (HIPAA, FERPA, Human Research, ...)
 - Homeland Security
 - Consumer Protection Laws
 - Accreditation and Budgeting
 - Sharing of Intellectual Property

Our Model and Approach to Support

- Web services, TCP/IP, and Software as a foundation
- Leverage standards for interoperability
- Develop internal standards and workflows that support scalability and sustainability
- Be consistent without being rigid
- Be a good listener
- Remote support for events and classes to expand services
- Teach a man to fish
- Provide basic services with no charge back
- Have a model for premium services - A rising tide lifts all boats

Video Standards

- NewTek NDI for low latency, content creation use-cases
 - <https://www.newtek.com/ndi/>
- USB Video Devices
- Open Broadcast Software (OBS) for video switching from a standard PC
 - <https://obsproject.com/>
- HTML5 DOM based standards for end-user delivery
 - https://www.w3schools.com/html/html5_video.asp

NewTek NDI

- NDI is rapidly becoming industry standard entry to mid level broadcast video solution
 - Royalty free software for PC and Mac
 - Additional cost for licensing by equipment manufacturers
- Open standard currently used by some: SMPTE ST 2110
 - <https://www.smpte.org/st-2110>

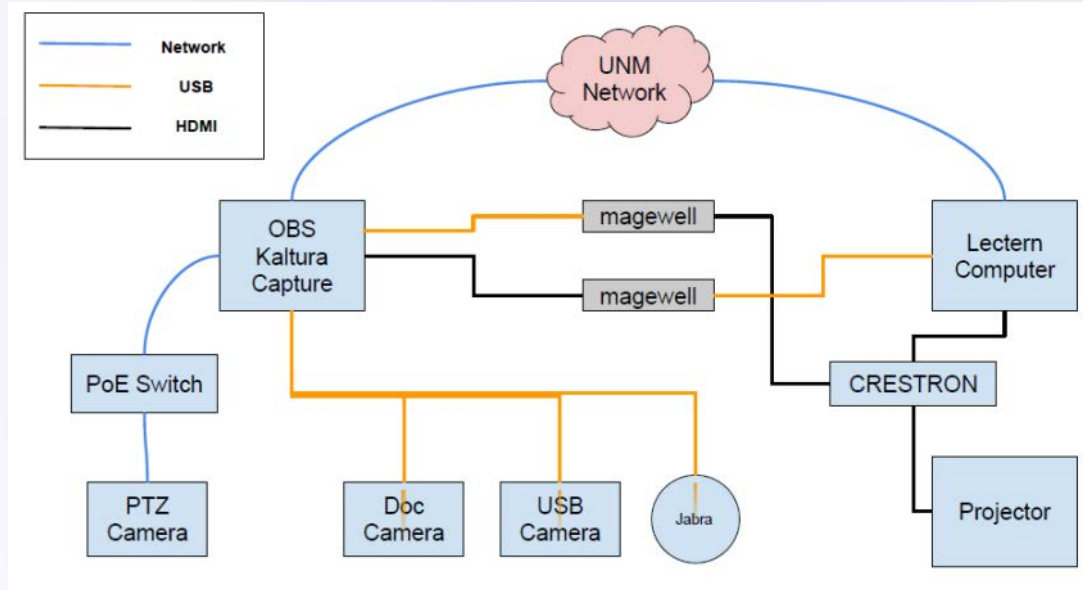
Audio Standards

- Dante/AES67
 - <https://www.audinate.com/>
 - <http://www.aes.org/publications/standards/search.cfm?docID=96>
- USB Audio Devices

Dante/AES67 Tools

- Audinate Dante Controller
 - <https://www.audinate.com/products/software/dante-controller>
 - View and manage audio sources and receivers on the network
 - Create routing instructions and create a heartbeat for synchronization
- Audinate Dante Virtual Sound Card
 - <https://www.audinate.com/products/software/dante-virtual-soundcard>
 - Adds PC or Mac peripherals and application applications to the network
- Audinate Dante Domain Manager
 - <https://www.audinate.com/products/software/dante-domain-manager>
 - Enables authentication and role-based security on the network

NextGen Room Design



How do I request support for an event, training, ... ?

Send a request to media@unm.edu

Show and Tell

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Thank You

Questions?