

The Problem:

Utah's K-12 teachers and Higher Education faculty need a secure, efficient way to share with students digital educational resources such as videos, electronic textbooks, open educational resources and teacher's own content. Current methods for managing these resources are—

- **Expensive.** Campuses and schools who recognize the critical need are straining to pay institutional licenses for local solutions.
- **Inefficient.** Many resources are duplicated; redundant systems are created and maintained, placing a large burden on IT staff and burdening the system with inefficiency.
- **Dangerous.** Educators often turn to various solutions on the web where they may be in violation of copyright or exposed to intellectual property theft.
- **Inaccessible.** YouTube and Vimeo are blocked by school districts and do not secure intellectual property or allow limited sharing, access may vary depending on the location of the person streaming the video, and students who are increasingly using mobile devices may not be able to view media due to various encoding standards.

Essentially:

Media use continues to rise. We need a well-crafted infrastructure to manage it effectively.

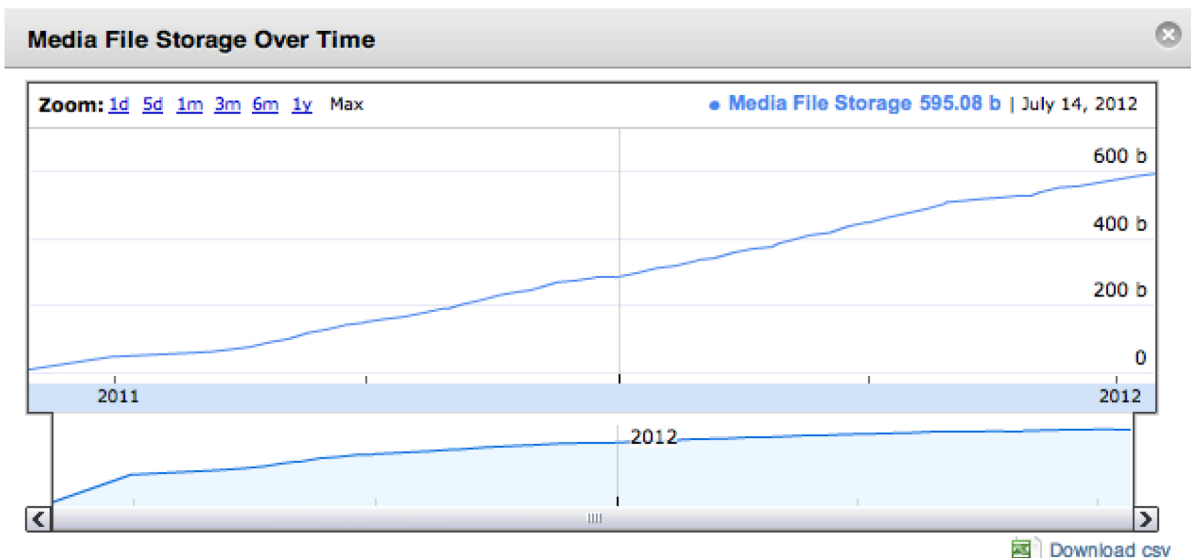
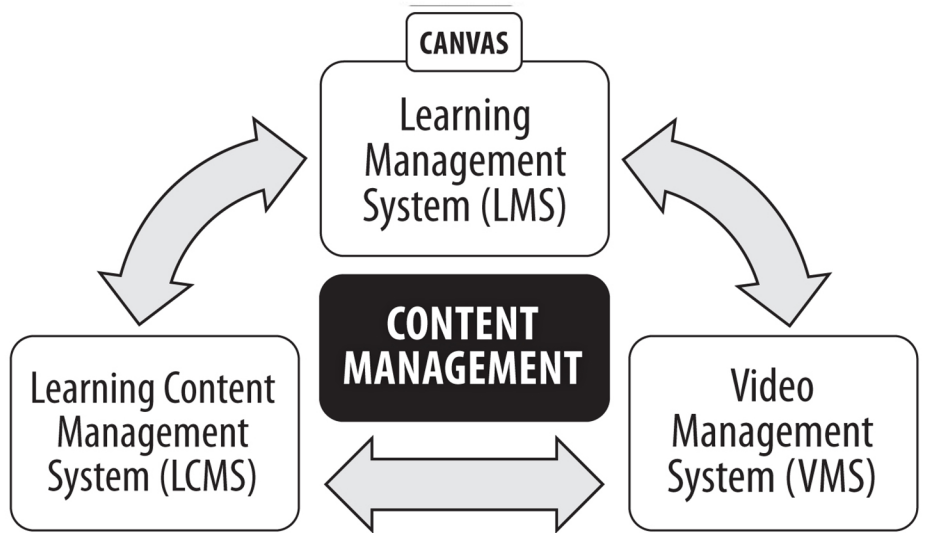


Figure 1. Rise in media use at Utah State University as of July 17, 2012. 568.9 GB from 8397 Files using Kaltura through Canvas LMS.

A Solution:

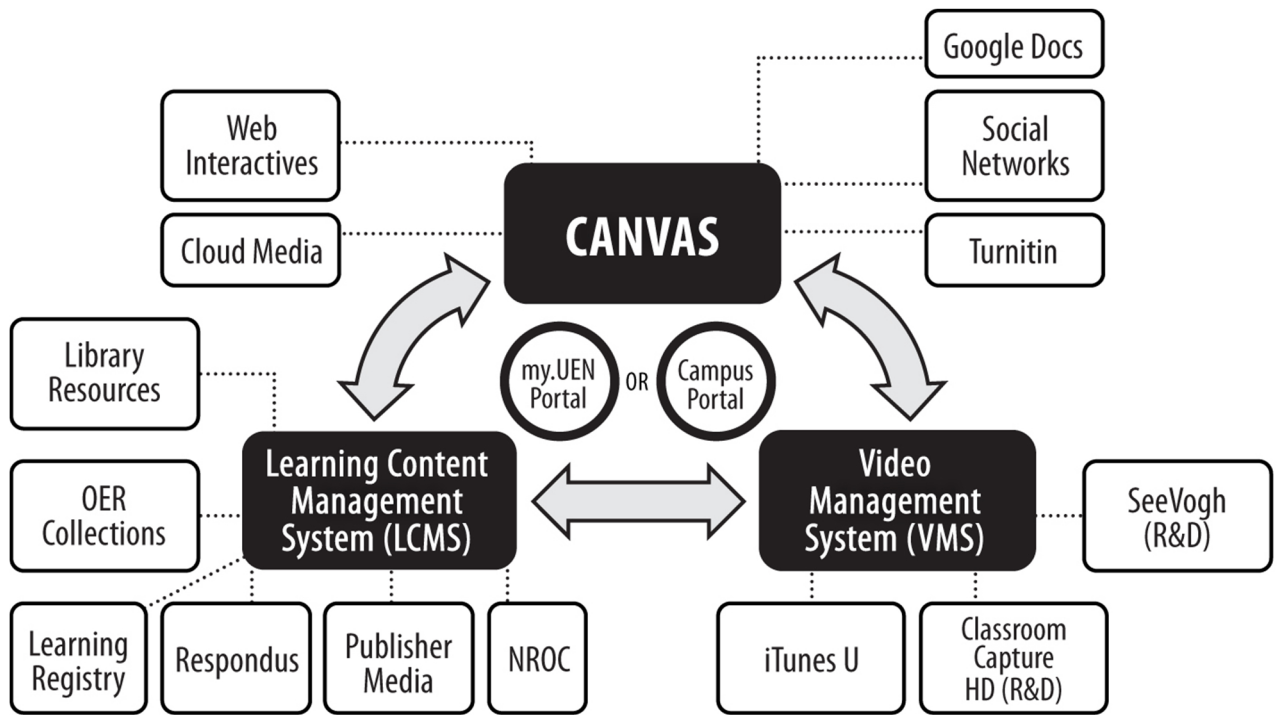
UEN proposes to leverage projects already underway on several campuses to create a single cloud-hosted repository that allows educators to create, share, and find multimedia resources. This statewide “media ecosystem” builds on existing investments and system-wide knowledge.



This diagram is derived from work created by The University of Utah. 

This plan has several benefits:

- **It saves Utah money.** A statewide solution relieves UEN partners of the burden of institutional pricing for solutions licensed locally.
- **It is more efficient.** Equella provides access to open educational resources, reducing duplication and making it easier to incorporate resources into courses built in Canvas.
- **State initiatives require an updated media infrastructure.** Initiatives such as the Technology Intensive Concurrent Enrollment (TICE) courses and the use of electronic textbooks in K-12 require a shared media infrastructure.
- **Copyrights can be protected.** With Equella, the owner of the digital resource can choose whether to limit access or share under Creative Commons licensing. Easier access to open or cleared resources enables, rather than restrict, media use for instruction.
- **It builds on existing systems.** Higher education faculty would access via Canvas; K-12 teachers would use their my.uen page. UEN has been using Equella for over 3 years, Institutions have experience using Kaltura through Canvas, USU, SLCC, and UU are pilot-testing Equella this academic year and have already found multiple benefits.
- **Students can use a range of devices.** With Kaltura to efficiently encode media in various renditions, users can access videos from either desktop or mobile devices – one encode rather than multiple saves staff time and resources.
- **Stakeholders support this plan.** Requests for this infrastructure have come from our partner institutions and stakeholders. UEN’s partners recognize the great synergy and solution that a statewide Learning Content Management System would provide.




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Figure 2. The proposed infrastructure leverages open resources and prior state investments.

Costs

Equella Option 1 through 2017

| | |
|---------------------------|-----------|
| License for K-12 | \$250,000 |
| License for Higher Ed | \$160,000 |
| Hosting | \$42,000 |
| Total annual through 2017 | \$452,000 |

Equella Option 2 Perpetual

| | |
|------------------|-------------|
| License one-time | \$1,026,000 |
| Maintenance | \$240,000 |
| Hosting | \$42,000 |
| Total ongoing | \$282,000 |

Kaltura

| | |
|---------------------|-----------|
| Bandwidth & Storage | \$48,000 |
| License for K-12 | \$40,000 |
| License Higher Ed | \$125,000 |
| Total | \$213,000 |

Proposed Request

One-time \$1,026,000 for Equella perpetual license

Ongoing \$ 495,000 for Equella maintenance & hosting + Kaltura