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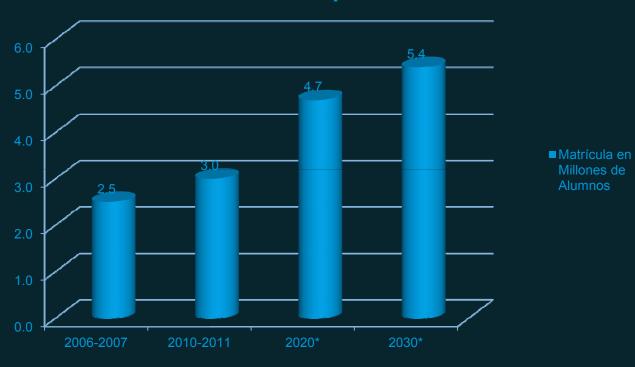
Colaboración en el Campus

Juan Castilleja Systems Engineer – Public Sector, Higher Education

17 de Noviembre de 2011

Higher Education in México

Matrícula Educación Superior en México



* Proyección ANUIES

IP traffic is exploding – and so does video

Global IP traffic will increase by a factor of four from 2009 to 2014.

By 2014:

The annual global IP traffic will reach almost three-fourths of a zettabyte (more than 180 billion DVDs).

The various forms of video (TV, VoD, Internet Video, and P2P) will exceed 91 percent of global consumer traffic.

Global online video will approach 57 percent of consumer Internet traffic (up from 40 percent in 2010).

Impact of Video On Education

From: Traditional Classroom

Traditional education requires participants to assemble physically in one classroom, with the same schedule and textbooks, following "teach / learn / test" process

Physical classroom attendance

One time instruction in one location

Non-interactive, book-based learning

Specific schedule / "Office hours"

User searches for content (pull)

One-size fits all

To: Scale teachers and content; Improve learning with richer, more flexible instruction

Enable limitless education – scaling teachers, content; providing richer, more interactive and more flexible instruction anywhere, at any time, on any device – ultimately driving better outcomes for students

Scale teachers and quality of instruction – limitless learning on any device, anywhere

Scale content: recordable and replicable instruction, any time, many venues

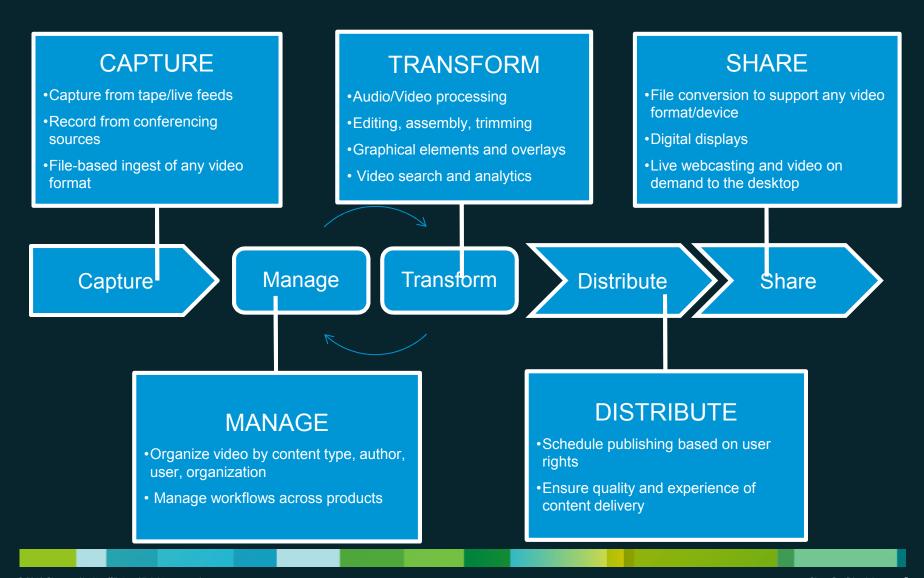
Learn at your own pace, focus on relevant content only with interactive multi-media content

Greater availability (your time, catch up)

Content proactively offered (push)

Ability to customize curriculum

The Video Content Value Chain



Higher Education Video Use Cases







Distance Learning

Extend Reach



Drive Change & Alignment



Improve Protection



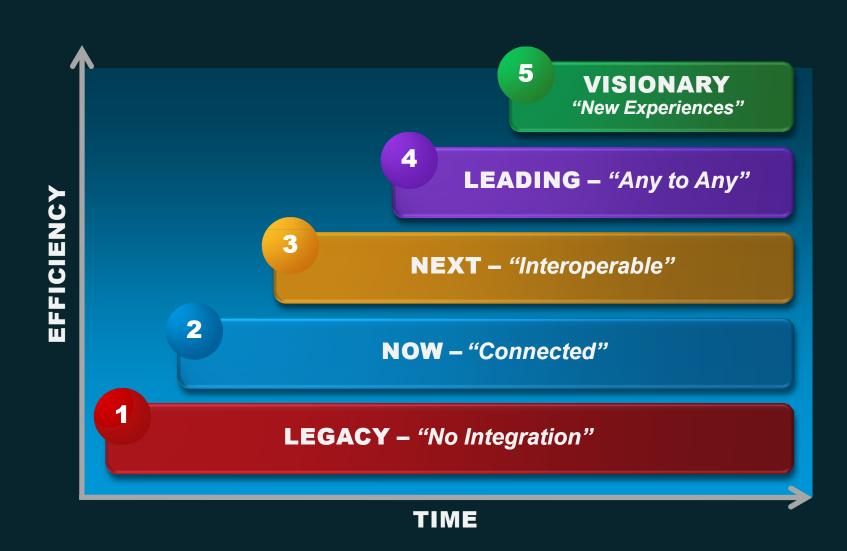
Student Services

Student Care



Share News & Alerts

Video Integration Maturity Levels Where is Your University?



Lecture Capture: Increase Impact



Social network + recommendation engine pushes content to you

5. Content Finds You

The second secon

Video analytics, automated tagging, speech-to-text, translate

3. Any-to-Any



Optimized

Viewing

Watch lecture content via any device

2. Record and Stream



Watch lectures later

1. Live Internal Lecture



Physical and online classrooms with interactivity

PHASE 3

PHASE 2

PHASE 1

ROI

PHASE 5

Distance Learning: Extend Reach



Social network + recommendation engine pushes content to you

5. Content Finds You



Extend access to students at home or satellite campuses, or guest lecturers

PHASE 5

3. Interactive Lectures



External

Access

Participate from PC & mobile from anywhere

PHASE 3

2. Record and Stream



Watch lectures live on any device

PHASE 2

PHASE 1

ROI

1. Live Internal Lecture



Physical and online classrooms with interactivity

Administration and Management: Accelerated Decision Making, Research Collaboration



Speaker recognition and translation, advanced immersive experience

5. Intelligent Analytics



4. Beyond Meetings



Meetings to research collaboration, professional development

3. Any-to-Any, Inter-campus



Collaborate across campuses or universities

2. Multipoint & Recording



Scale meetings to any size & catch up later

1. Point-to-Point Calls



Reduce time to trust & decisions



PHASE 3

PHASE 5

PHASE 4

PHASE 2



ROI

Safety and Security: Integrated Monitoring, Response, & Insight



Face recognition, threat assessment, business intelligence from video

5. Intelligent Analytics

4. Integrated Response



Any-to-any video to speed response

3. Integrated Access Control



Connect events with verification to protect

2. Distributed Monitoring



Scaling monitoring across buildings and campuses

1. Surveillance Cameras



Protect people and assets





PHASE 4

PHASE 3

PHASE 2



ROI

Student Services: Delivering Human Talent at Scale



Integrated campus social experience

5. Content **Finds You**



into home for prospective or commuter students

B to C services

PHASE 4

PHASE 3

PHASE 5

3. On-Demand Care



New Student

Care Models

Onsite financial aid, registrar, student health, tutoring

2. Remote **Student Care**



Web-based video communication for existing student interaction



1. Video Enriched Website



Campus life and topical videos



ROI

PHASE 1

Campus Communications: Campus news, announcements and events



Social network + recommendation engine pushes content to you

5. Content Finds You



4. Optimized Viewing



Video note taking, automated tagging, speech-to-text, translate

3. Any-to-Any/Interact content View videos on any device, click-through to register for an event, join a club

2. Distributed Video Capture



Administrators, faculty, students can create their own videos on any endpoint

1. Centralized Video Development



Videos from university leaders deliver critical messages directly to staff and students





PHASE 4

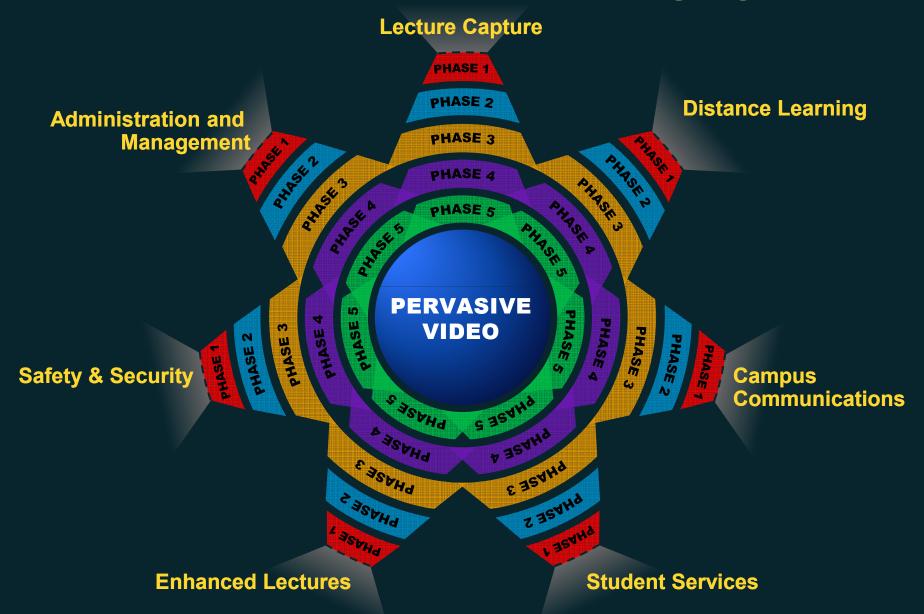
PHASE 3

PHASE 2



ROI

Video Use Cases Merging



Pervasive Video Portfolio

TelePresence

WebEx

Physical Security

Digital Signage Cisco Cast

Desktop Video Show and Share

UC













Media Transformation

MEDIANET

Cisco Video Content: Education

Simplify lecture capture and playback Stream live to a global audience Consume on any device Video indexing and speaker ID

Capture

Manage

Transform

Distribute

Share



TelePresence endpoints



RECORD: TelePresence Content Server



Digital Media Manager



Media Experience Engine



Pulse Video Analytics



Enterprise Content Delivery System



Digital Media Player



Show and Share



Digital signs





iPads/iPhones

Medianet Architecture for Video

Use Lecture Capture Distance Learning Administration and Mgmt Cases Campus Communications Safety and Security Student Services



Security

Management

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Why Medianet?

Enables the delivery of predictable and optimal user experience for video, voice, data and collaboration while reducing complexity and costs

Business Drivers

IT Drivers

- Need to increase productivity and reduce costs
- More rich-media business and collaboration technologies that drastically changes demands on the network
- Rising expectations for video, voice and data applications

- Reduce Opex & complexity
- Accelerate deployment
- Optimize Quality of Experience

Medianet fulfills these business priorities!

So What is Medianet?

Medianet is an end to end architecture for a media-optimized network. Medianet allows the deployment, scalability and optimization of quality of experience of rich media solutions into the organization.



Media Aware: Deliver the best experience.

Detection and optimization of different types of media and application.

Endpoint aware: Easy deployment. Automatic Detection and Configuration of endpoints.

Network Aware: Easy to deploy and administrate Detect and respond to changes in devices, connection and service availability

experience

efficiency

simplicity

reliability

Conclusion

Think about the multiple use cases and identify where you are



Do a medianet assessment to migrate your architecture



3 Develop a comprehensive video architecture



Transform your campus with video



Thank you.



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