

Digital Signage We Did it Our Way

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WRIGHT STATE UNIVERSITY

Today's Agenda







GOALS



SOLUTIONS



LESSONS LEARNED

Why?



Why?

- Costs
- Features
- Staffing changes
- Inconsistent content
- Inconsistent systems
- Resource waste



Why? Inconsistent



- Lake Campus
- Mixed technology
 - Hardware
 - Software
 - Administration
- Features
 - Slideshows
 - Interactive signs
 - Queuing
 - Room schedules

Why? Hard to Use







Very complex software

Extensive training

Windows desktop only

Why? Content Governance

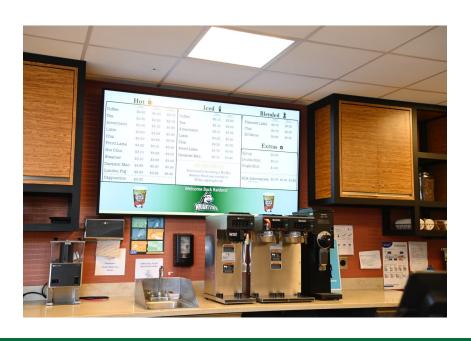
- Decentralized
- Brand
- Mixed messages
- Stale content
- Retention



Goals



Goals: Lower Costs



- Licensing
- Hardware
- Software
- Increase displays

Goals: Increase Usage

- Additional floors
 - Campus Announcements
- Outdoor
- Nutter Center
- Menus
- Room Schedules
- Queuing



Goals: Ease of Use



Web based



Content management



Remote management

Goals: Consistency/Compatibility







Hardware

Software

Content

Goals: Content Features

- Sliders
 - Static
 - Video
- Custom timing
- Emergency messaging
- Video on demand
- Clock



Goals: Content Quality







Writing

Design

Governance

Goals: Retention Content



- The 3 R's
 - Recruitment
 - Retention
 - Relationships
- Need to leverage our displays for retention

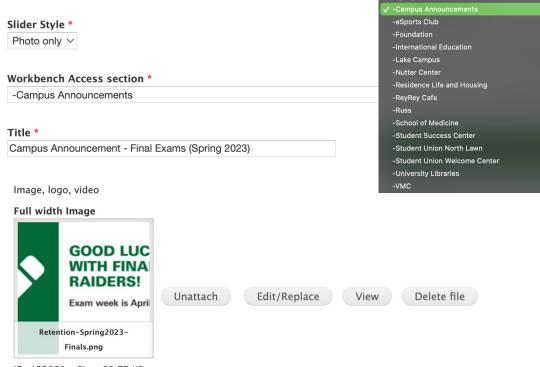
Solutions



- Open source
- Web hosted
- Governance
- SSO
- End user familiar



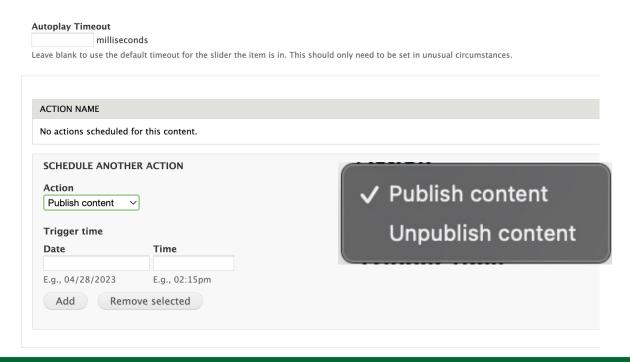
Slider Item



Signage

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- Slider Item
- Slider Block



TITLE	ITEMS	LAST UPDATED ▼	
Nutter Center Marquee Playlist – 576x288 Signage » Nutter Center	TRUB REALIZE DEFERIOR Weryone's collopit Collop	14 hours 58 min ago by Sean Robison	edit ▼
Nutter Center Concourse Playlist Signage » Nutter Center	NOTTER CE A Clean Just feels of Concept Description A Clean Just feels of NOVEMBER NOVEMBER NOVEMBER (6 total)	14 hours 58 min ago by Sean Robison	edit ▼
Campus Announcements Playlist Signage » Campus Announcements	CLICK FA May 14 in the last of election in WWO. From the The Windows and Particular and Particu	3 days 23 hours ago by Amanda Earnest	edit ▼
Student Union Welcome Center Playlist Signage » Student Union Welcome Center	OFFICE WELCOMES YOU WOULD BE A TO SECURITY OF THE PARTY O	4 days 19 hours ago by Amanda Earnest	edit ▼
Russ Student Lounge CECS Playlist Signage » Russ	Fi Handshake The land and and and and and and and and and	6 days 18 hours ago by Mariann Boron	edit 🕶
Library Archives playlist Signage » University Libraries	Service Colors Service	6 days 19 hours ago	edit ▼

Blo	ck description *	
Car	mpus Announcements Playlist	
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		Show row weight
SLI	DER ITEMS *	
+	Slider item Campus Announcements - Newsroom Promo (456341) Remove	
+‡+	Slider item Campus Announcements - BSOM Music Medicin Symposium 5/12 (48 Remove	
+	Slider item Campus Announcements - Summer Retention - Add Class 5/14 (4833) Remove	
+‡•	Slider item Campus Announcements - Outdoor Rec Promo (446766) Remove	
+	Slider item Campus Announcements - Campus Store Location Change (481531) Remove	
	Slider item	

- Slider Item
- Slider Block
- Custom theme
- Emergency Alerts



Solution: Content

- Office of Marketing
- Developed a webpage
- Guidelines
- Media specs
- Example content

About Digital Signage

Digital signage serves as a visual communication medium to inform students, faculty, staff, and visitors about programs, events, campus news, television feeds, campus facts, emergency messages, and more.

Digital sign messages are intended to promote events and programs for Wright State students, faculty, staff, and visitors. No submissions will be accepted for meeting or organizational reminders, requests to join a group, or soliciting applications for a group or organization.

Only on-campus programs, events, and activities open to the Wright State community will be posted on the digital screens. Third-party advertising is not permitted.

Digital Signage Content Guidelines

- 1. All digital signage will:
 - a. Be aligned with university branding
 - b. Consistently apply campus-wide information architecture, visual style, and terminology for digital signage
 - c. Display both local content and campus-wide content as appropriate
- Campus governance units, academic units, and campus departments/offices are permitted to submit content for the digital signage system. In addition, registered student organizations may submit content that promotes the student organization or campus events for display on the digital signage system. The Office of Marketing and digital signage system administrators reserve the right to approve or deny content
 - a. Content must be Wright State-related and adhere to these digital signage content guidelines.
 - b. Digital signage content that promotes or condones behavior that violates university policy, or content that is obscene, will not be approved for display.
 - Digital signage system administrators reserve the right to remove any content asset, without notice or explanation if such is deemed contrary to these standards.
- Emergency Notifications: Wright State Alert messages may preempt sign content when activated. Alert integration will be tested regularly in accordance with university protocols.
- 4. Information/Content to be displayed, in order of priority:
 - a. Communicate emergency information, initiated via the Office of Communications, Office of Marketing, and Public Safety
 - b. Campus-wide events
 - c. Current student information (i.e., key dates and deadlines)
 - d. Building, department, or directory information (for permanent wayfinding signage)
 - e. Announcements (weekly/daily)
- 5. All signs will be reviewed for content and clarity. Slides may be returned for revisions or additional information.
 - a. The Office of Marketing cannot guarantee that submissions will be published on the display system. The office reserves the right to make editorial judgments about any submitted item based on institutional considerations, pace availability, appropriateness, and other discretionary factors that may affect the publication of the announcement.

Digital Signage Image Specifications

The Office of Marketing can help create signage for your message. You can also download the Photoshop or PowerPoint template to create your content. These have the below guidelines built in. Also, refer to the Editorial Style Guide for writing guidelines. Please submit your request at least two weeks before your content's start date.

KEEP IMPORTANT INFORMATION

IN GREEN AREA

CLOCK ZONE

- Size: 1920 pixels x 1080 pixels; 72 dpi
- The top and bottom of the image may be cut off to accommodate university information (55 pixels top and bottom), so be sure to not place text or important imagery in these areas.
- A clock is displayed bottom right corner of the signs. The safe zone for this is 425 pixels x 200 pixels.
- Keep text brief as there is a seven-second runtime for images/slides.
- Your message will play for a maximum of 30 days if it is not date-driven.
- There are certain signs on campus that are different sizes and have different purposes. If your content is appropriate for these signs, please fill out the form below to get specifications.
- If a QR code is to be included, it can be no smaller than 300 x 300 pixels. Because some screens are installed at distances or higher than eye level, QR codes need to be readable with these considerations.





WRONG CLASS? NOT FOR YOU?

January 20 is the last day to drop/withdraw from a course and still receive a tuition refund.

Contact RaiderConnect to see if this would affect your financial aid.











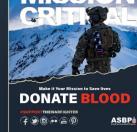






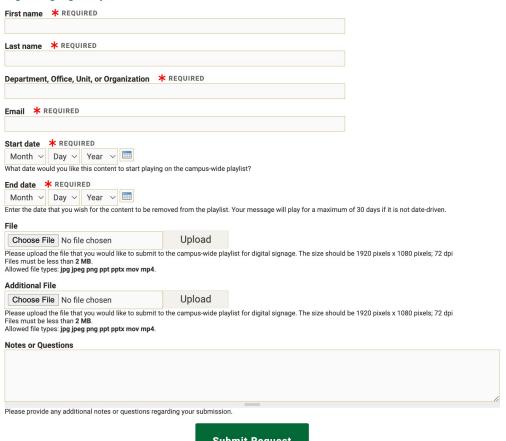
scan the QR code or

visit militarvdonor.com.



Solution: Content

- Committee
- Request form
- Training



Digital Signage Request

Submit Request

Solution: Content

Retention

- Student Success
- Annual content calendar
- Developed slides
- Scheduled them





CLICK FAST!

January 15 is the last day to add a class in WINGS.

If you miss the deadline, you'll need BOTH:

- Instructor permission
- RaiderConnect assistance



REGISTER FOR TWO SEMESTERS AT ONCE.

Course registration is now open for fall 2023 and spring 2024.

Visit WINGS Express to create your entire class schedule for next year.



WRIGHT STATE GRAD

Graduating this term? Congrats!

A You must apply for graduation by

January 20. FEBRUARY 3
DEADLINE EXTENSION!



WISHING FOR A CLASS DO-OVER?

February 3 is the last day to drop a course without a grade. The attempt won't even be on your transcript.

OH, FUDGE.

Want to avoid seeing a D or F on your transcript? March 17 is the last day to drop a course with a W, which does not affect your GPA.





MIDTERM GRADES

UNDERGRADUATE FACULTY: Grades are due February 26, 11:59 p.m.

UNDERGRADUATE STUDENTS: Keep pushing! You're halfway to the finish line!

SPRING BREAK

Feb. 27–March 4: No classes; offices open

◆ Visit wright.edu/academic-calendar for deadlines and other dates.



Solution: Displays

- HDMI/Display Port
- Fiber converters
- RF modulators
- Varying sizes and resolutions
 - -HD
 - -4K



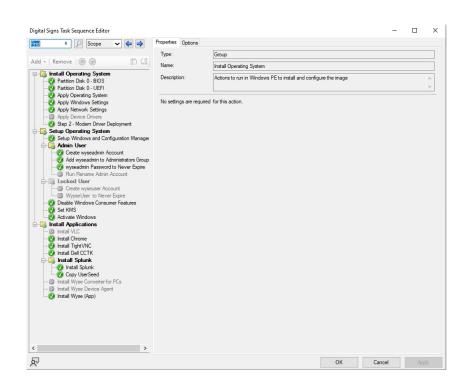
Solution: Players

- Dell OptiPlex Micros
 - Lower spec
 - Used
- Hardwired
- SCCM for initial config
- Windows 10 LTSC
- Domain Joined



Solution: SCCM

- Special Sequence
- Installs Programs
 - Dell CCTK
 - TightVNC
 - Specific Chrome Version
 - Splunk

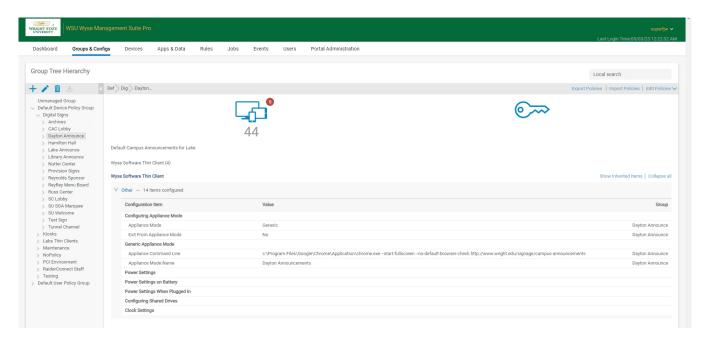


Solution: Player Management

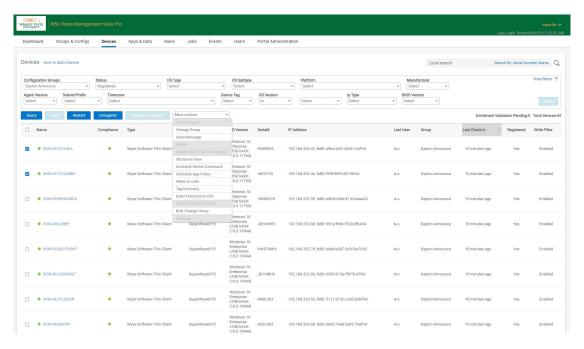
- Wyse Management Suite
- Standard Management Console at WSU
- Only annual licensing cost
 - \$12.50 per player
 - \$1000 per year
- Remote admin access



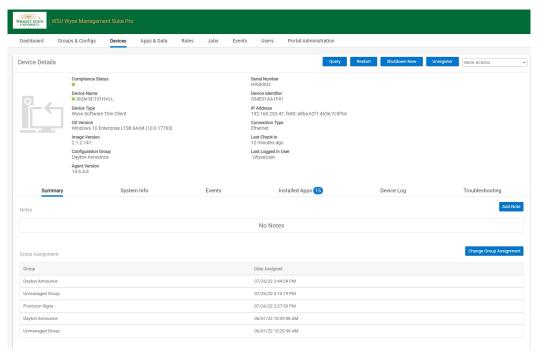
Solution: Wyse Management Suite



Solution: Wyse Management Suite



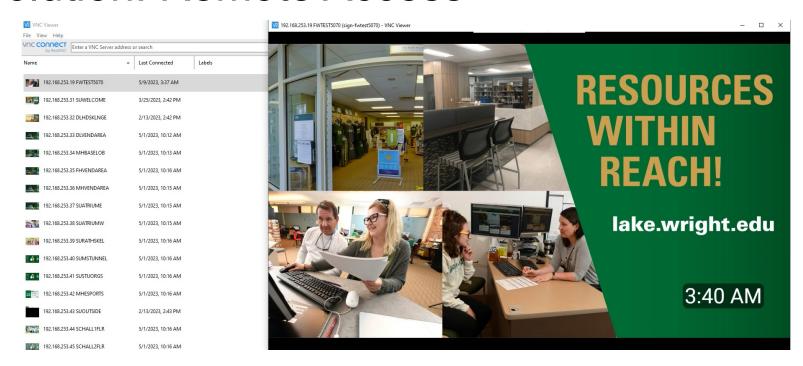
Solution: Wyse Management Suite



Solution: Secure

- Network Security
- Drupal
- Physical Security
 - Displays are biggest potential risk

Solution: Remote Access



Lesson Learned



Lessons Learned: General

- Leverage internal expertise
 - PC Management
 - Drupal
- Saved money
- Increasing screens
 - First floor of all buildings
 - 75 total players (more displays)



Lessons Learned: Content

- Events driven
- Branding
- Retention messaging
- Replacing static boards
- Increasing content demand
 - Split channels?
- Event specific content



Lessons Learned: Page Views

- Website page view/caching
- Refresh every 2 minutes
 - 30 refreshes/hr * 24 hr * 30 days^
 - 21,600 views per month per player
- 70 players = 1.5M views per month
- API-style HTTP request, have a cron job write the equivalent response to static files.
 - The emergency alerts check already functions this way and doesn't count as a page view, supposedly.





WRIGHT STATE UNIVERSITY