




This morning, the Tech Team released version YSM TECH 2017.47, which covers software development work completed over the past week.




Yale Medicine Website and Editing

Below is a list of updates that were made to YaleMedicine.org, along with the YM Publishing Tool used to edit condition articles, feature stories, and doctor bios:

Type	Title	Description	Category
	NCI articles don't have summary on search results page	Added summary for NCI articles on search result pages.	YM Website
	Self-closing tags can be saved in image caption fields	Improper HTML tags were saving in some captions, which caused issues for the slide shows.	YM Publishing Tool (YMS)
	Create Error Notification for Workflow Engine	When there was an error in the SDL Workflow engine, the error messages were not passed to the YM Publishing Tool in a way that the application could notify editors. This task moved these hidden error messages into an interface where we can see/review them.	YM Publishing Tool (YMS)


School of Medicine Websites

Below is a list of updates made to the T3 YSM websites:





Type	Title	Description
	Remove Inactive orgs from display	Suppress inactive organizations from displaying on profiles.
	Add link to correct iCal feed for each calendar	Added the correct iCal feed to the "Add to Personal Calendar" links that appear below each YSM website calendar.
	Configure deployment of search indexing web job	Configure Search Indexing Web Job to deploy and host it within T3 website.

News and People Profile System

Below is a list of updates made to the system used to edit profiles for people and organizations, along with news, events, and clinical trials:


Type	Title	Description
	OnCore sync stopped on Friday, November 17, 2017	The nightly sync with OnCore (clinical trials) unexpectedly stopped running. It was due to a phone number format change in OnCore.

Event Calendar

Type	Title	Description
	Something is broken for Non-Yale location in Event editor	Fixed bug with input for adding non-Yale locations to events.
	Duplicated Events are not automatically "Approved" for relevant calendars when created by a Calendar Admin or Editor	Calendar events are not automatically approved when they should be if the event is duplicated and suggested by an administrator or editor of the calendar.
	Make the speakers appear in the Event feeds in the same order they appear in the admin	Made event speakers appear in the same order in data feeds as they do in the profile system admin.
	Create new feed to request iCal feed by calendar pagename	Created new feed to pull correct iCal feed for calendars on YSM websites.

Accessibility

Below is a list of updates made to websites and systems to meet WCAG A and AA accessibility standards:

Type	Title	Description	Category
	Alternative text isn't set for top results on Stories search results	Add alternative text for first story image on search result page.	YM Website

Infrastructure and Backend Systems

Much of the team's work is never seen, but important projects are ongoing to make sure our systems and websites are stable, highly available, and cost effective. We continue making major improvements to our infrastructure and work in this area will be ongoing into 2018.

Type	Title	Description
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Type	Title	Description
✓	Decomission SOLR Server used for PubMed data R&D	Removed server and all components used to test using a SOLR based index for storing/searching PubMed data for the CV Builder project. This was also used to cost model the use of SOLR for other purposes.
✓	Reduce size of resources used in Development Flyerboard subscription	Reduced the size of the objects used in the Development Flyerboard subscription to better match the resource requirements and reduce our costs.
+	Create 500DTU Premium SQL Elastic Pool in main subscription	A SQL Elastic Pool is a way to share resources for running database servers in the cloud and is a very cost effective solution.
✓	Shrink Main Drive on YSMTRDPCD2	This task was to reduce the size of the current Program Files drive on the virtual machine from 1TB to 16GB. This change requires all applications to be reinstalled after creating the new, smaller drive. There are three identical servers this will be applied to, this is the second which resides in USA and is only setup as a failover to the primary USA server so there is no impact during this change, even if problems were to arise during the change.
✓	Move all YMS databases into single 500DTU premium elastic pool in main subscription	The main production Profile System databases were moved to a subscription to consolidate our SQL databases into one location for both cost savings measures and to simplify Geo-redundancy efforts.
■	NCI Downloader stopped downloading files	A misconfiguration due to recent server changes was made to eliminate this bug. The NCI download process is working normally again and documentation was updated.
+	SDL Troubleshooting Documentation Review	Created some basic troubleshooting documentation for developers to follow in the event SDL stops responding.
✓	Decomission legacy SDL servers	We kept the old SDL servers around until we were in production with the new version for at least 3 months just in case we needed to reference configurations from the previous setup. This step created backup copies of all the configurations and then deleted the virtual servers and all associated Azure components.
+	Move SDL CM database backups to use azure blob storage instead of disk storage	We have hourly and daily backups of the production SDL database. This moved the storage of the backup files from expensive disk storage to very inexpensive blob storage. In addition, the blob storage was configured to be geo-redundant making it a very safe place to store copies of our data in the event the main SDL server has a critical failure and requires a rebuild.


Type	Title	Description
✓	Azure App Service Plan Consolidation - dev/test/acceptance apps	This task is to consolidate resources for cost savings measures as our footprint has increased in Azure.
✓	Evaluate dev/accept YMS database size	Investigation to see if it is possible to reduce the size/cost of a collection of development databases used for the Profile System. Results: This can be done and as a result was completed as part of a larger database migration.
✓	YMS Database Migration/Renaming - investigation	This task is to change how the production database for YMS is named and also to move it so that it is in the same location as our other production databases. Results: The current production YMS database will be migrated to a more cost effective solution in our main subscription and also go through a workflow change in how new releases are handled so that the database maintains the same name throughout its lifecycle.


New Projects


The team has begun work on the three new projects: **Media Library** (this will introduce streaming video and audio storage to the Profile System for people, organizations, news and events), **CV Builder** (to generate faculty CVs from the profile system), and a rebuild of the **Flyerboard**, the school's digital signage system. While these projects will not launch until 2018, below are a list of tasks the team completed this week:

Type	Title	Description	Project
✓	Label change for Lecture/Presentation in Activity Map	Updated label "Lecture/Presentation" under Activity Map->Add Activity->Activity Type->Lecture/Presentation in profile system to "Speaking Engagements, Presentations, Symposia & Workshops". This will let the faculty better understand where data is stored for the "Invited Speaking Engagements, Presentations, Symposia & Workshops" section in CV.	TECH-2933 - CV Builder
✓	Integrate Azure Media Services to the project	New Media Library is going to use Azure Media Services (AMS) as a platform to store and deliver video/audio items. This task is about integrating AMS to the project and adding base logic to upload files to the storage and process them.	TECH-7 - Media Library
📁	Set up proper deployment for Azure Function	After media item is uploaded to Azure Media Service (AMS) and processed we need to publish its asset and update info about it in our database. So we use Azure Function app to handle encoding job event from AMS, but Azure Function project is not really standard so this task is about the investigation and incorporation Azure Function project into common deployment process using CI.	

Key

 = Bug

 = New Feature

 = Task
