

Patterson Reduces Material Creation Time by 60% with Automated Solution

Erin Leuschke, Director – Corp BI & Kyle Stengel, Data Solutions Engineer Patterson Companies

Session ID #84471

About the Speakers



Erin Leuschke

- Director Data & BI
- 7 years at Patterson, last 3 as Director of BI & Data
- Fun fact: I road-biked 130 miles in 5 days across CA Wine Country & Pacific Coast last year



Kyle Stengel

- Data Solutions Engineer
- 3 years at Patterson, 2.5 with Winshuttle. Intern turned FTE.
- Fun fact: I'm a HUGE NBA fan (go Timberwolves!) – if you want to talk hoops, let's chat.





Key Outcomes/Objectives

- Show Winshuttle Forms & Workflow solving a business problem
- 2. Understand real implementation process and solution
- 3. What happens when you succeed



Agenda

- Business problem and objectives
- Winshuttle solution
- Results
- What's Next



Patterson Companies

- Founded in 1878
- Corporate Office in Eagan, MN
- ~7,000 employees (1,500 field employees)
- \$5.5B Annual Revenue
- Dental & Animal Health industries
- Supply technology, products, and equipment as well as marketing, support and logistics services across North America and the U.K.





Business Problem

- Field Sales can request materials be added to item file to meet customer needs
- Current process is PDF form submitted via email
- Materials can take 10+ days to be added to item file
- Submissions tend to be incomplete
- Manual entry can result in data integrity issues



Objective of the project

1

Improve data accuracy



Improve speed of overall process



Simplify form/provide transparency for requestors



Create performance metrics for reporting

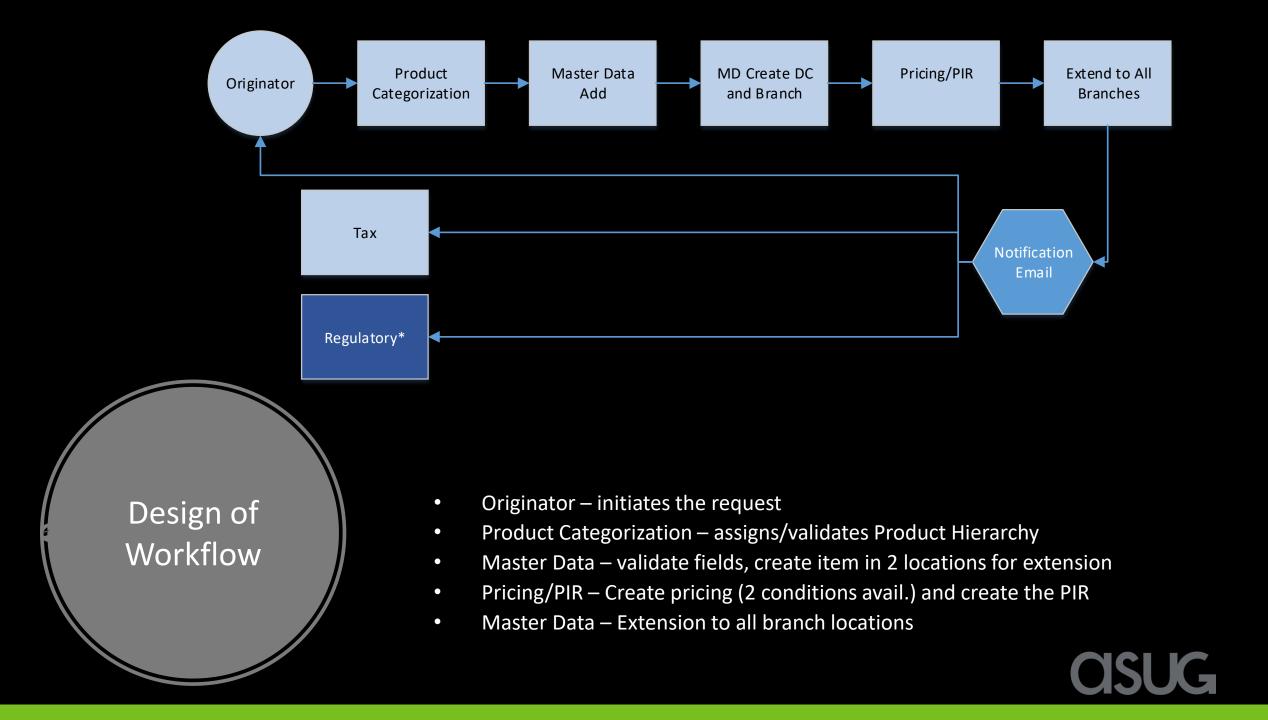


What is Winshuttle?

- SharePoint Integrated web Form/Workflow Solution
- Queries to extract SAP data to Excel, SQL or Access databases
- Transaction scripts to automate SAP data entry







Solution Structure

4 Business groups involved

7 Form views

Underlying Data Structure

- Extract Data nightly from SAP into SQL tables
- Query Scripts used to pull check table values for all fields
- Stored Procedures used to format raw data into views that feed the form

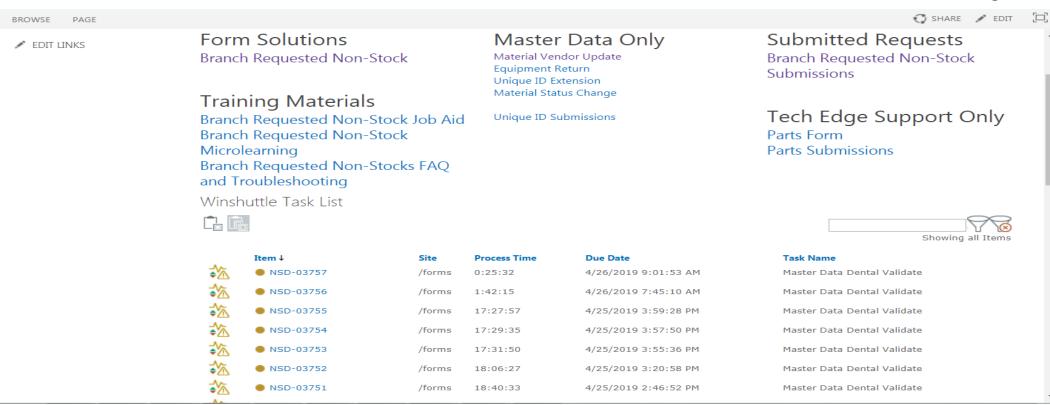
70 Data Connections

19
Transaction
Scripts



User Landing Page

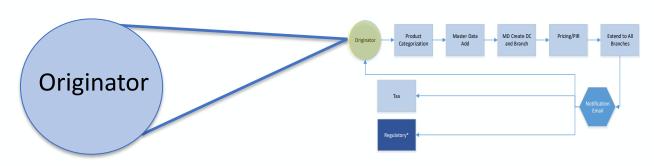
- SharePoint integrated!
- Choose your form
- See submitted requests
- See outstanding tasks for WF groups
- Location to link training material





The Form

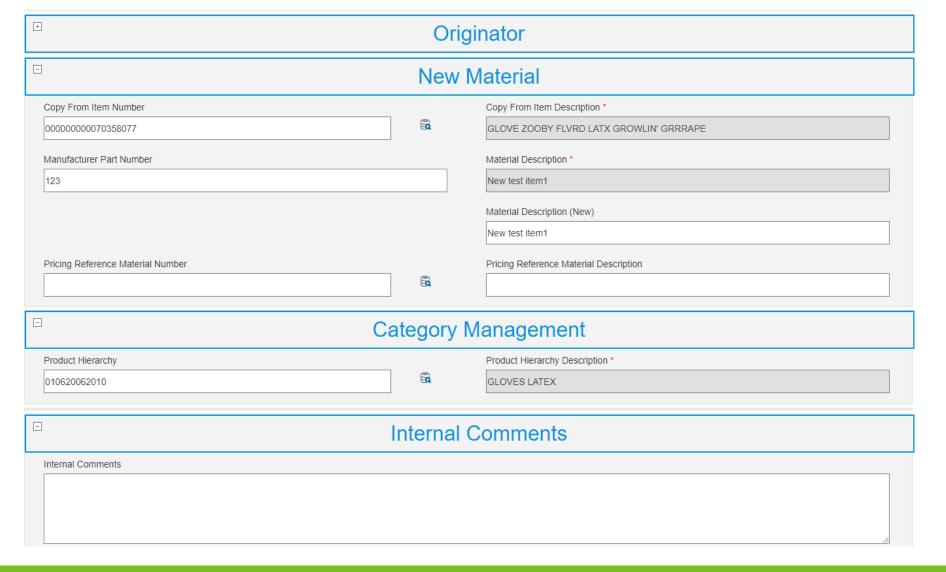
1. Initial Request Form



- Stengel, Kyle ? Non-Stock Material Creation perations * + Request Info Originator Business Unit of New Item * Patterson VetPatterson Dental Material Description * Manufacturer Vendor Number * Manufacturer Name Search by Vendor Name or Number This is the name of the Manufacturer we are selling under Manufacturer Part Number * Customer Name
- Allow Customer Service Reps and Sales Reps to initiate
- Almost direct replacement for PDF form
- show/hide fields based on input
- Use of lookups



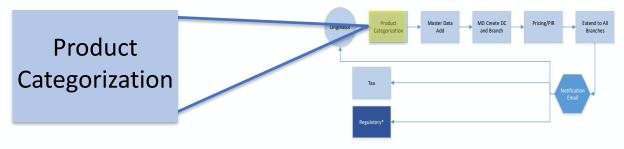
1.5. Master Data Validation



- Validation of the copy from number
- Add Pricing Reference
- Validate Description



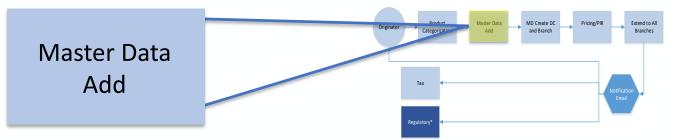
2. Validate/Change Product Categorization

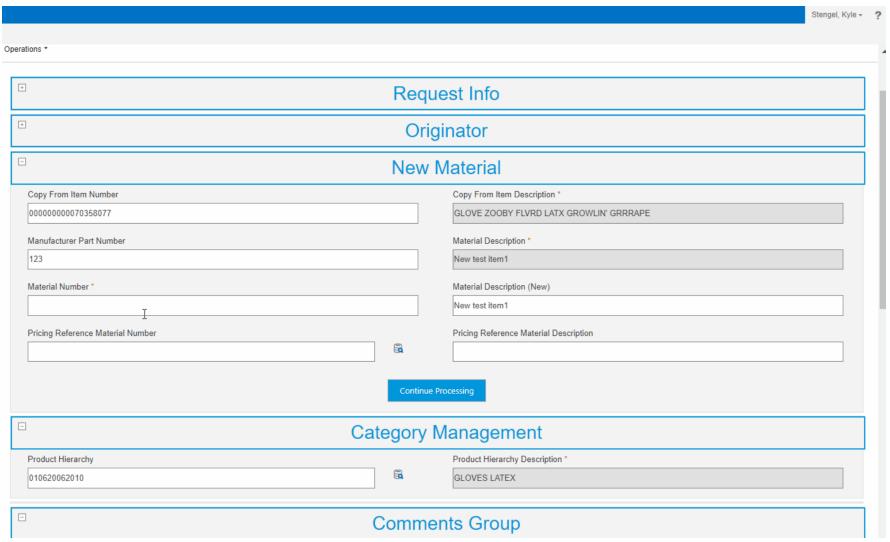


			Stengel, Kyle				
Save	Appr	Cance	el .				
Category Management							
Product Hierarchy	Product Hierarchy Description *						
	S a	GLOVES LATEX					
□ New Material							
Copy From Item Number		Copy From Item Description *					
00000000070358077		GLOVE ZOOBY FLVRD LATX GROWLIN' GRRRAPE					
Manufacturer Part Number		Material Description *					
123		New test item1					
		Material Description (New)					
		New test item1					
Pricing Reference Material Number		Pricing Reference Material Description					
□ Internal Comments							
Internal Comments							



3. Fill out Master Data

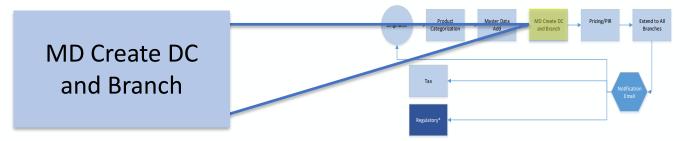


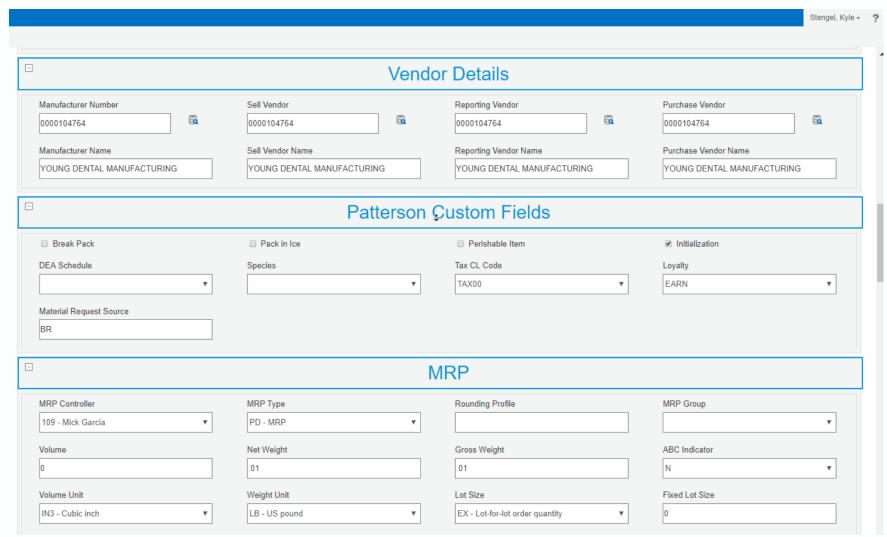


- Add material # created from legacy
- Auto formatting (padding)
- Expand/show fields using buttons



4. Create item in SAP





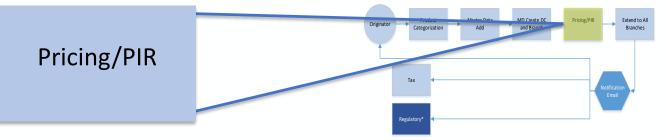
- Vendor/Manufacturer
- Custom fields
- MRP
- Valuation and Sales
- Warehouse/Storage Loc.
- Material group data
- Characteristics

77/120 fields prepopulated

- Copy from similar item
- Business rules



5. Create Pricing Conditions and Purchase Info Record (PIR)

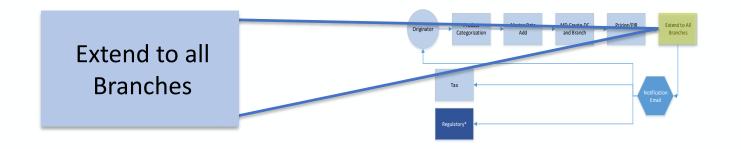


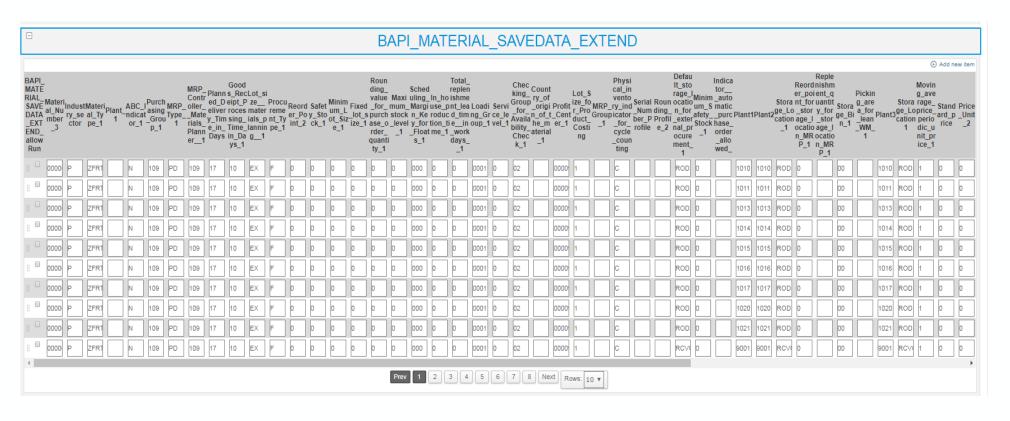
Save	Terminate		Cancel				
□ Dental ZMAT Pricing							
Sales Organization	Distribution Channel		Manufacturer Part Number				
2100 - Patt Dental Supply	10 - Direct	•	123				
Amount *	Validity Date From		Validity Date To				
	03/29/2019		12/31/9999				
ZMAT Currency	ZMAT Quantity		ZMAT Unit of Measure				
USD	1		вох				
Scale Quantity 1	Scale Amount 1						
Scale Quantity 2	Scale Amount 2						
Scale Quantity 3	Scale Amount 3						
Dental ZMAT Pricing SAP							
Create ZMAT Dental No Scale							

- Two kinds of pricing conditions + PIR creation



6. Bulk Extend





Extend to all Plants

- Creates data for all 71 plants
- Allows for exclusion of specific locations
- Replaces MMCC and provides better data quality



Request Library

Modified

Originator

Process Status Dental or Vet Vendor Name



form

EDIT LINKS

NonStock_Material ®

Title

Created

Home
Documents
NonStock_Material
TestSolution
Parts_Material_Request
Material_Vendor_Update
Equipment_Returns
Equipment_ID_Extend
Material_Status_Change
Site Contents

ű.	NSV- 03054	2/26/2019 4:14 PM	2/26/2019 4:14 PM	Jones, Conni	Submitted	V	MYDENT INTERNATIONAL		BITE TRAY POSTERIOR		BT-1002	2019-02-26 16:03:15: Jones, Conni (Original Request) - Please see the attached vendor email with all pricing information
	NSV- 02860	2/7/2019 3:06 PM	2/7/2019 3:06 PM	Kramer, Lisa	Submitted	V	SPA DENT INC	PRE-10011 10000.0 100 10 CA FREE	Natural Prophy Paste + Whitening	227	U122008-1	
Ø.	NSV- 01922	11/16/2018 11:37 AM	11/16/2018 11:37 AM	Anderson, Deborah	Originator Submit Complete	V	MEISINGER USA LLC	Polisher, white, medium, RA	Combigliops	1011		2018-11-16 11:29:15: Anderson, Deborah (Original Request) needs 5 packs ordered when item number is assigned.
	NSV- 00680	8/14/2018 9:13 AM	8/14/2018 9:13 AM	Hilton, Judith	Originator Submit Complete	V		Mouthgaurd Mat. 0160 12/Box Royal Blue		12.22		
	NSV- 00246	7/9/2018 9:24 AM	7/9/2018 9:24 AM	Hinsley, Tracey	Originator Submit Complete	V		Extended length irrigation lines		19901 578	1990) 93	
ű.	NSD- 03707	4/22/2019 7:45 AM	4/23/2019 6:55 PM	Calello, Maureen	Branch Request Complete	D	NORDENT MANUFACTURING CO	FORCEPS EXTRACTING ENGLISH #74 SERRATED	FORCEPS ECTRACTION ENG #74N SERRATED	FE74N-SER	FE74N-SER	2019-04-22 07:43:40: Calello, Maureen (Original Request) - Please create ASAP. Thank you !!
ű.	NSD- 03706	4/22/2019 7:43 AM	4/23/2019 6:38 PM	Calello, Maureen	Branch Request Complete	D	NORDENT MANUFACTURING CO	ELEVATOR SELDIN STRAIGHT #34S SERRATED	ELEVATOR SELDIN 34S- SERRATED	E34SSR	E34SSR	2019-04-22 07:41:34: Calello, Maureen (Original Request) - Please create ASAP. Thank you!
il .	NSD- 03705	4/22/2019 7:41 AM	4/24/2019 10:04 AM	Calello, Maureen	Branch Request Complete	D	NORDENT MANUFACTURING CO	BONE FILE DE MILLER 21 CROSS CUT	BONE FILE, MILER 21 CROSS CUT	FB21X	FB21X	2019-04-22 07:38:24: Calello, Maureen (Original Request) - Please create ASAP. Thank you
ű.	NSD- 03704	4/22/2019 7;38 AM	4/24/2019 9:14 AM	Calello, Maureen	Rejected – See Comments	D	NORDENT MANUFACTURING CO	CARVER DE MED #CD2 STD HDL	CARVER DE MED #CD2 STD HDL	CACD2	CACD2	2019-04-24 08:59:21: Lark, Kyah (Original Request) - Hi Maureen - It looks like this one is on file as well, The part number was mistakenly CACD-2, but I've updated it to CACD2. You can use to order. Thanks! 2019-04-22 07:35:09: Cal

Material Description

Material Description Requested Manufacturer Part Number Manufacturer Part Number Requested Comments

Search this site

Evaluating Objectives

1

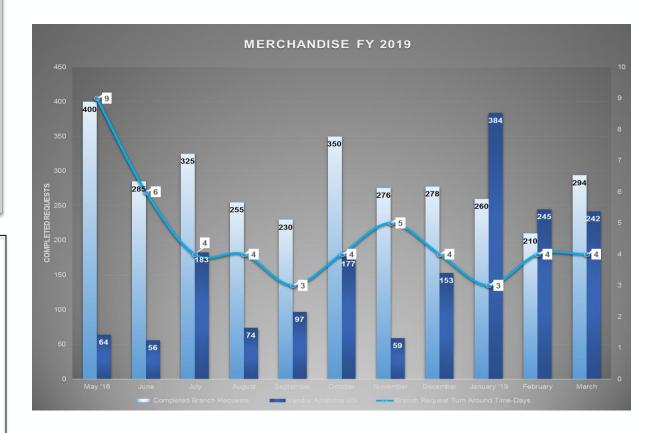
Improve Data Accuracy

- Pre-populate fields using business rules
- Limit choices using drop-down menus
- Additional MD validation step
- Auto-formatting
- Show/hide fields

2

Improve speed of overall process

3-4 days consistently





Evaluating Objectives

1

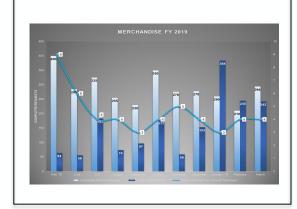
Improve Data Accuracy

- Pre-populate fields using business rules
- Limit choices using drop-down menus
- Additional MD validation step
- Auto-formatting
- Show/hide fields

2

Improve speed of overall process

3-4 days consistently



3

Simplify form/provide transparency for requestors

- One easy to navigate SharePoint page
- Only a few fields for input



Create performance metrics for reporting

- Time stamp each WF step
- Aggregate number of requests



The Timeline

THE PLAN						
Key Milestone	Month	Contractor Hrs				
Contract Signed	July					
Design	August	24-60				
Install	September	17-40				
Develop	Oct – Feb	300-680				
Test	March	Incl. above				
Go-Live	March					
Support	April	40-80				
TOTAL	9 months	381-860 hours				

THE REALITY						
Key Milestone	Month	Contractor Hrs				
Contract Signed	July					
Design	September	40				
Install	November	40				
Develop	Nov – April	680				
Test	Feb - April	Incl. above				
Pilot Deploy	April					
Round 2 Dev	April – June	80				
Full Go-Live	July					
TOTAL	12 months	840 hours				

What Impacted Timeline or Hours?

- Internal Team took time to prepare & align for Design phase
- Cross Functional Alignment (or lack of) & Focus on Pre-Install activities delayed timing of Install
- Development shifted to Agile methods (Iterative Design & Testing) and Phased Roll-Out plan (Pilot then Full Go-Live)



Feedback from Users

- Originators love the simplicity and visibility to their request
- Better Copy-From numbers being selected
- Less back and forth with issues
- Requests for more forms!



Round 2 – Parts Request







- Utilized template created after launch of first form
- Development time cut by 60%
- Applied lessons learned
 - Slow down and plan
 - Test, test, and test again
- Testing time table shortened by 50%



Parts Request - Results

- T-Code Process
 - 4 Separate T-Codes
 - 33 Fields
 - 47 Clicks
 - 2:57 Process Time

- Form Process
 - 1 Form
 - 10 Fields
 - 14 Clicks
 - 1:49 Process Time

Almost 40% reduction in time!



Q&A

For questions after this session, contact us at

Erin.Leuschke@pattersoncompanies.com Kyle.Stengel@pattersoncompanies.com



Take the Session Survey.

We want to hear from you! Be sure to complete the session evaluation on the SAPPHIRE NOW and ASUG Annual Conference mobile app.



Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

http://info.asug.com/2019-ac-slides



Let's Be Social.

Stay connected. Share your SAP experiences anytime, anywhere. Join the ASUG conversation on social media: **@ASUG365** #ASUG



