CONSULTING

Customer Conference

Automated Transactions in BC? Let me explain

Today's Presenter



Bryce Menadue Development Consultant 715-737-9094 bmenadue@innovia.com



What we're looking at today

Automated postings in BC
 The Problem
 Design
 Solution
 Code Snippets
 Other Possibilities

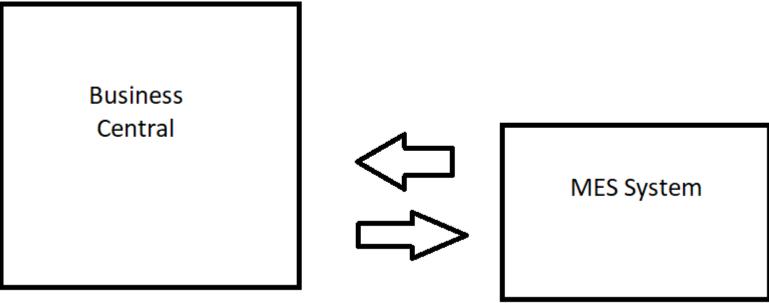


Customer

Conference

The Problem

Making two systems talk to each other
 Purchase, Sales, Production, Inventory...



The Design

✓ How to recreate manual efforts
✓ Resetting values
✓ "How would Business Central do it?"
✓ Item Tracking?
✓ Errors?

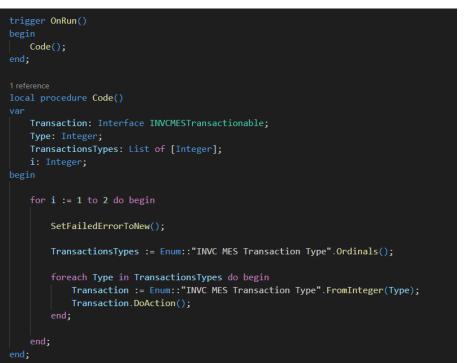


The Solution

✓ Staging Table Style integration \checkmark 17 working transaction types \checkmark Sales ✓ Purchase ✓ Production ✓ Transfers ✓ Inventory ✓ Custom Business Rules

The Solution

Modules
 Commits
 Interactive Page for watching transactions



Thousands of "Transactions" / Day
 Minimal User impact
 Automated by Job
 Manual Control

::: Dynamics 365 Business Central

MES St	aging								√ Save	d 🛛 🖓 🎢
,⊂ s	earch + Ne	w 🐯 Edit Lis	t 📋 Delete	More options						ዸ \ ≣
E	intry No.↓	MES Transaction No.	Related MES Transaction No.	Transaction Type	Transaction Status	Туре	Document No.	Document Line No.	No.	Posting Date
	1	12345	0	Prod. Order Create	Success	ltem		0	1011	5/2/2022
	2	12346	0	SO Shipment	Success	ltem	SO12456	10000	2456	5/2/2022
	3	12346	0	SO Shipment	Success	ltem	SO12456	20000	2457	5/2/2022
	4	12346	0	SO Shipment	Success	ltem	SO12456	30000	2458	5/2/2022
	5	12347	0	Prod. Order Consumption	Success	ltem	101123	0	1011	5/2/2022
\rightarrow	6 :	12348	0	Prod. Order Output	Success	ltem	101123	0	1011	5/2/2022

Sandbox_Dev 🔎 🗘 🐯

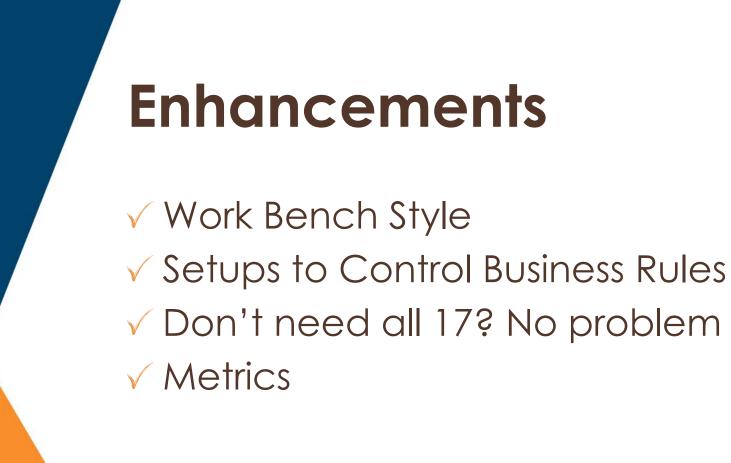
?

ВМ



 Dyna	mics 365 Business Ce	ntral								Sandbox_	Dev 🔎	Q	ŝ	?	ВМ
÷	Job Queue Entries										Д	വ്	ہ ک		
		v 👿 Edit List	📋 Delete 🛛 🖉 Edit	⊙ View	Show	Error 🛛 🧟 Set Status to Ready	Set On Hold	Restart	🐝 Run once	(foreground) ····	Ŕ	∇			
	Status	User ID	Objec to Ru	2.1	Object ID to Run	Object Caption to Run	Description		Job Queue Category Code	User Session Started	Earliest Start Date/Time		Sc		
	Ready	101033-0	0.0	and in	470	000 See, Management	Astronomical for said	ind dist.			100000	-			
	theody	100000-0.0	140		10.01	Despire Approx Repairs	deductionalised for our	100			0.000	120			
	Excernal second	101023-0	0.0	100	200	Coloridade Constitution	As the constant for $\epsilon_{\rm eff}$	en al cale a		0110001100	01120201	100			
	0.0400	SHOCK	0.0	100	240	tre-prover bendor	Auto-coated for up			2000002 NOR-	00000011	10.0	M		
	Really	(Park)	0.00	anin -	1000	Managi Angener					SVBD N	1.00			
	\rightarrow <u>On Hold</u> :	BMENADUE	Code	unit	50017	INVC Handle MES Staging	INVC Handle MES St	taging			4/5/2020 12:	00 AN	1		

 Dynam	nics 365	5 Business Cer	ntral										Sanc	lbox_Dev ,	ρ) ĝ	?	BM
\leftarrow	MES Hi	story														ت م ^{لا}		
	,⊃ se	earch + New	🐯 Edit Lis	t 📋 Delet	e More	e options									ß	7 ≣		
	E	ntry No. 1	MES Transaction No.↑	Related MES Transaction No.	Transaction Type	Transaction Status	Туре	Document No.	Document Line No.	No.	Posting Date	Unit Cost	Unit Price	Tracking No.				
	\rightarrow	1 :	12345	0	Prod. Order.	Success	ltem		0	1011	5/2/2022	0.00	0.00					
		2	12346	0	SO Shipmen	t Success	ltem	SO12456	10000	2456	5/2/2022	0.00	0.00					
		3	12346	0	SO Shipmen	t Success	ltem	SO12456	20000	2457	5/2/2022	0.00	0.00					
		4	12346	0	SO Shipmen	t Success	ltem	SO12456	30000	2458	5/2/2022	0.00	0.00					
		5	12347	0	Prod. Order.	Success	ltem	101123	0	1011	5/2/2022	0.00	0.00					
		6	12348	0	Prod. Order.	Success	ltem	101123	0	1011	5/2/2022	0.00	0.00					



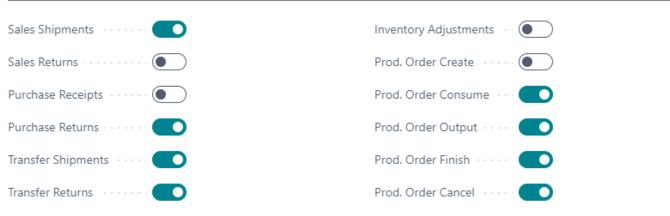
Q	Search	+ New	🐯 Edit L	ist 📋 D	elete <u>Actio</u>	ons Fewer o	ptions		& 7 ≣
Car	rry Out A	Action							-12
<i>→</i>	~	÷	7≜	New	123456	MAIN	LAB	5/3/2022	5/10/2022
	~		8	New	123456	MAIN	LAB	5/3/2022	5/10/2022
	~		9	New	123456	MAIN	LAB	5/3/2022	5/10/2022
			10	New	98745	MAIN	LAB	5/3/2022	5/10/2022
						MAIN	LAB	5/3/2022	5/10/2022

MES Integration Setup

Tolerances

Over Ship Tolerance	0.00	Under Receive Tolera	0.00
Under Ship Tolerance	0.00	Inventory Rounding P	0.00
Over Receive Tolerance	0.00		

Enabled



Retry

Retry Enabled		Area to Retry
Retry Interval (Mins)	2	Sales Shipments Enable \cdots 💽
		Sales Returns Enable
		Purchase Receipts Ena
		Purchase Returns Ena 🔹 🌅
		Transfer Shipments En 🔹 🌅
		Transfer Returns Enable \cdots 💽
		Inventory Adjustment
		Prod. Order Create En
		Prod. Order Consume 🔹 🌅
		Prod. Order Output E 🔹 🌅
		Prod. Order Finish En 🔹 🌅
		Prod. Order Cancel En 🔹 🌅

Ongoing Sales





Ongoing Purchases

