JD Edwards

INFOCUS

DIVE DEEP

Unleash the power of EDI 852

Presented by:

Shrikant Gogate, Grant Thornton LLP.

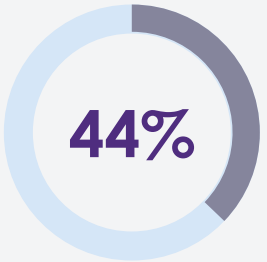
Session ID

100890

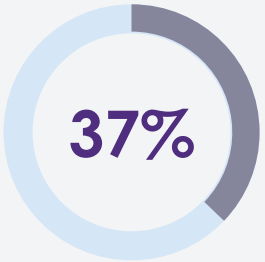
About Grant Thornton

Thriving since 1924, our U.S. firm is people-focused and purpose-driven. We believe business should be more personal and that the strongest results start with trust.

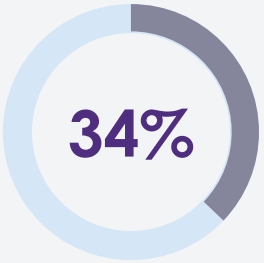
Who we serve:



Fortune 100 companies



Fortune 500 companies



Fortune 1000 companies

$1.92bn
in revenue

8,459
people, including 595 partners

53
offices

* Statistics as of July 31, 2020

Our Oracle Practice

ERP and SCM

Financials | Revenue management | Accounting hub | Project accounting | Risk management | Project execution
Procurement | Inventory management | Cost management | Maintenance | Manufacturing | Order management | Product lifecycle and data management | Supply chain collaboration and planning

EPM Analytics

Planning and budgeting | Profitability and cost management | Financial close and consolidation | Tax reporting and provisioning
Management and operational analytics | Narrative reporting | Account reconciliation | Enterprise data management

HCM

Culture journey | Talent acquisition | Workforce administration | Talent management | Workforce development
Alumni network

Data governance & cloud integration

PaaS

Solution delivery center (off-shore and on-shore)

Industries

Construction, Real Estate & Hospitality	Consumer And Industrial Products	Energy	Financial Services	Healthcare And Life Sciences	Not-For-Profit Organizations	Private Equity	Public Sector	Technology

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Oracle Partner Excellence Awards

- Grant Thornton is the proud recipient of the Oracle JD Edwards 2020 Partner Excellence Awards in three categories: Application Optimization, Process Automation, and Building a Cloud Culture.
- The awards recognize Grant Thornton's ability to combine business strategy with JD Edwards' functional and technical capabilities to deliver value.
- The 2020 Partner Excellence Awards are the latest in a long line of accolades Grant Thornton has received over decades of collaborating with JD Edwards.

About Grant Thornton JDE

JD Edwards practice – 80+ dedicated professionals in U.S.

Project management and functional expertise

- Specialized functional resources
- Project management office
- Implementations
- Upgrades
- Mobile applications
- Third party integration architecture
- Business process re-engineering
- Managed services (functional)
- User materials and training
- Financials
- Distribution
- Manufacturing
- HR / Payroll
- CAM
- Project advisory

Technical

- CNC
- Development
- Workflow
- Security management
- Technical management
- Database management
- Infrastructure / hosting
- Managed services (technical)
- Private cloud
- Disaster recovery
- Security
- Development (FRICE)

Trusted business advisor

- Gap assessment
- Transformation
- Industry point of view
- Proven methodologies
- Process excellence
- Benchmarking
- ERP governance
- Data governance
- Master data management
- Reporting strategy
- Change management
- Cloud roadmap / strategy
- FASB planning
- Chart of accounts optimization

Oracle leadership

- The Leading Oracle Platinum Partner presenter at COLLABORATE, INFOCUS and OpenWorld conferences (more presentations than any other Platinum partner in the past 3 years)
- Featured in PROFIT magazine – JD Edwards Special Issue
- Teaming with JDE product development – we work with JD Edwards on enhancing the code base for customers (e.g. OneView Reporting, Revenue Recognition, Leasing Standards, Configurator)

Experience and recognition

- More than 250 JD Edwards implementations and upgrades as a practice
- Over 20 implementations in the past 5 years
- Over 50 upgrades in the past 5 years
- 2017 JD Edwards Partner Excellence Award for **User Adoption**
- 2016 JD Edwards Partner Excellence Award for **Vertical Industries**
- Oracle JD Edwards recognized Grant Thornton with its 2014 and 2015 JD Edwards Partner Excellence Award for Outstanding **Upgrades**

- Solutions Architect (Mfg.& Distribution)
- C&IP, Life Sciences and Construction
- 30+ years of Industry +IT +Consulting
- Mechanical Engineering, Business Management & Strategic Manufacturing
- ERP,WMS,EDI and DW/BI experience
- 20+ years in JDE ☺

Agenda

- Introduction to EDI 852
- Server Configurations
- Inbound
- Outbound
- Outbound Inventory Management Integration
- Climbing Next Steps
- Q&A

What's EDI 852

- Standard data format to provide trading partners information of product activity data.

Business Driver	Inbound	Outbound
Your customers needs your inventory information		X
Your suppliers send their inventory information	X	
Your company's other division/s (on different ERP) need your inventory information		X
Your company's other division/s (on different ERP) send inventory information	X	

Server Configurations

- Define Unicode Flat File Encoding Configuration (P93081) to determine the correct encoding method to use for a specific operating system.

- Map Primary Index Detail (F98713) in the system and server map data sources to obtain primary index key detail. This is important for foreign table and the data needs to formatted correctly prior to being inserted into JDE table. It's status should be AV (Active)

- Since metadata specs may not exist prior to the opening of the tables referenced in the Flat File Cross-Reference (F47002) table, the Primary Index Detail (F98713) Central Object specs are used.

Select Find Add Copy Del... Close Seq... New... Dis... Abo Links Chan... OLE ... Internet

User / Role	Environment	Program ID	Version	Encoding Name	Encoding Name Description
*PUBLIC	*ALL	*DEFAULT	*DEFAULT	CP1252	WIN-Latin 1, Western European
*PUBLIC	*ALL	*DEFAULT	*DEFAULT	IBM-37	EBCDIC-Latin 1 or Western Euro

Code	Description	.ini Setting
BIG5	Chinese, Traditional	TC_BIG5
CP1250	WIN-Latin2, Central Europe	EE_CP1250
CP1251	WIN-Cyrillic	RS_CP1251
CP1252	WIN-Latin 1, Western European	WE_ISO88591
CP1253	WIN-Greek	GR_CP1253
CP1254	WIN-Latin5, Turkish	TK_CP1254
CP1256	Win-Arabic	AR_CP1256
GB2312	Chinese, Simplified	SC_GB
IBM-1123	EBCDIC-Cyrillic	RS-EBCDIC
IBM-420	EBCDIC-Arabic	AR_EBCDIC
IBM-933	EBCDIC-Korean	KO_EBCDIC
IBM-935	EBCDIC-Simplified Chinese	SC_EBCDIC
IBM-937	EBCDIC-Traditional Chinese	TC_EBCDIC
IBM-939	EBCDIC-Japanese	JA_EBCDIC
IBM-37	EBCDIC-Latin 1 or Western Euro	US_EBCDIC
KSC-5601	Korean	KO_KSC
SHIFT_JIS	WIN-Japanese	JA_SJIS
UCS2	UTF16_BE/UTF16_LE	
UTF-16LE	UTF16_LE	
UTF-16BE	UTF16_BE	
UTF8	UTF8	
IBM-858	# PC Latin 1 with Euro	

Machine

Data Source

JPD900 F98713

Environment	Object Name	Object Type	Primary Data Source	System Role	Object Status
JPD900	F98713	TBLE	Central Objects - PD900	*PUBLIC	AV

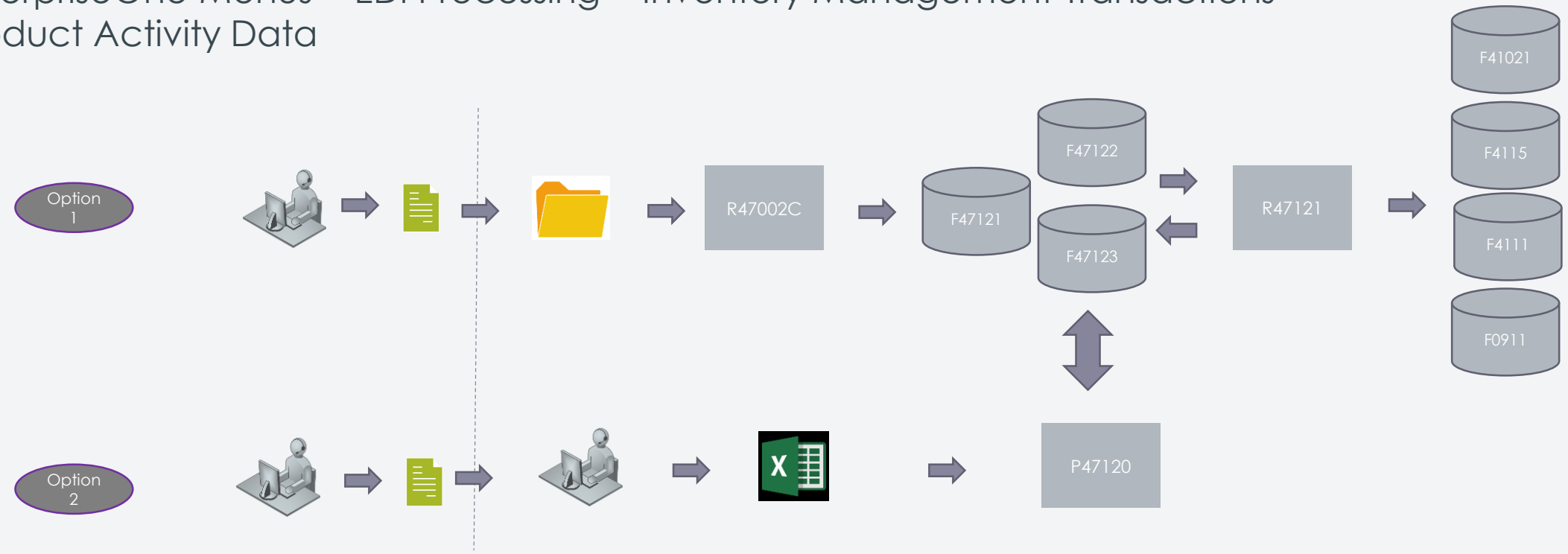
Server Configurations (contd.)

- **Path Codes**
  - Must be UPPERCASE
  - Max. 10 characters
- **Data Sources**
  - Max. 32 characters, must begin wit an Alphabet
  - Should not contain these special characters } [ ] ( ) ? * = ! @ ;
- **Data Source Description**
  - Max. 80 characters
- **Package Name**
  - Must be UPPERCASE
  - Max. 8 characters
  - should not contain these special characters / \ : * ? < > |
- **Server Name**
  - Max 15 characters
- **Workstation Name**
  - Each workstation should be unique name
  - Max 15 Characters

Inbound

Inbound Process

- Menu G47241
- EnterpriseOne Menus > EDI Processing > Inventory Management Transactions > Product Activity Data



UDC 47/PA

Product Code 47 *Electronic Commerce*

User Defined Codes PA *Product Activity Code*

Records 1 - 18

Codes	Description 01	Description 02	Special Handling	Hard Coded
	Default	* Specifies action to take		
QA	Current Qty avail. to ship	I		
QB	Beginning Balance Qty	I		
QC	Quantity Committed	I		
QD	Additional Demand Qty	I		
QE	Ending Balance Qty	I		
QH	Qty Damanged or on hold	I		
QI	Qty in Transit	I		
QL	Minimum Inventory Qty	I		
QM	Maximum Inventory Qty	I		
QN	Planned Inventory Qty	I		
QO	Quantity out of Stock	-		
QP	Qty on order, not received	I		
QR	Quantity Received	+		
QS	Quantity Sold	-		
QT	Adjustment to Inventory Qty	-		
QW	Qty withdrawn from warehouse	-		N
QX	Quantity Requested	I		

If Description 02 is not defined, error 2737 as "Action Invalid" is displayed in Work Center for submitted R47121

Description 2	Purpose	F41021	F4111	F0911	F4115
-	Decrease inventory. Same as Inventory Issue.	Y	Y	Y	Y*
+	Increases inventory. Same as Inventory Adjustment, Receipts etc.	Y	Y	Y	Y*
I	Information only. No updates	N	N	N	N
R	Replace. Same as Cycle count.	Y	Y	Y	Y*
T	Transfer. Same as Inventory Transfer	Y	Y	Y	N

UDC 47/TH

User Defined Codes - Work With User Defined Codes

Row Form Report Tools

Product Code 47 *Electronic Commerce*

User Defined Codes TH *Transaction Handling Code*

Records 1 - 24

Codes	Description 01	Description 02	Special Handling	Ha Co
	Default	* Hard coded, do not change *		
A	Off Invoice			
B	Debit/Credit Advice No Remit			
C	Payment Accompanies Remit	Payment Order		
D	Make Payment Only			
E	Debit/Credit Advice with Remit			
F	Plan and Create PO,if < ROP	Product Activity		
G	Plan and Create SO,if < ROP	Product Activity		
H	Notification Only, if < ROP	Product Activity		
I	Remittance Info Only			
J	Payment Requested			
K	Reimbursement to Follow			
L	Apply on Account			
M	Memo/Additional Remittance Dtl			
N	Check Issuance Notice			
O	Deduct from Next Remittance			
P	Prenotification of Future Trns			
Q	Credit Due, Payment being Iss.			
R	Recurring Debit Authorization			
S	Single Debit Authorization			

Future functionality but essential to run EDI 852!

P47002

Work With Flat File Cross-Reference

Row Form Tools

Transaction *

Records 1 - 2

Trans	Trans Description	Dir Ind	Dir Ind Description	Record Type	Record Type Description	File Name	Flat File Name
852		1					
852	Product Activity Data	1	Inbound	1	Header	F47121	c:\Inbound Product Data.txt
852	Product Activity Data	1	Inbound	2	Detail	F47122	c:\Inbound Product Data.txt

Flat File Cross-Reference

Tools

Transaction * 852 *Product Activity Data*

Direction Indicator * 1 *Inbound*

Flat File Name c:\Inbound Product Data.txt

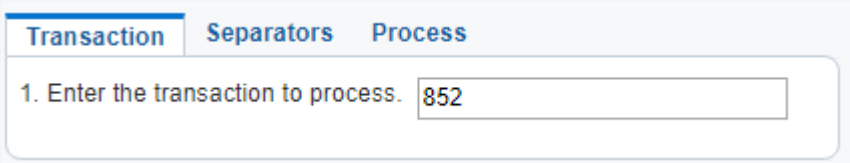
Records 1 - 3

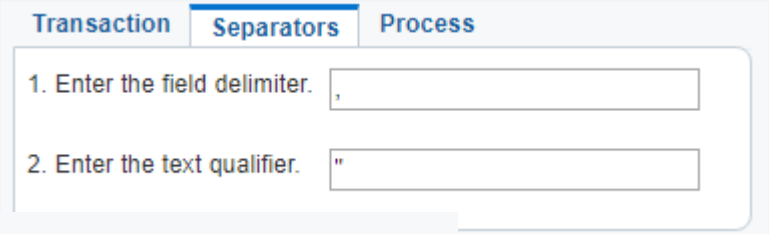
Record Type *	Record Type Description	File Name *
1	Header	F47121
2	Detail	F47122

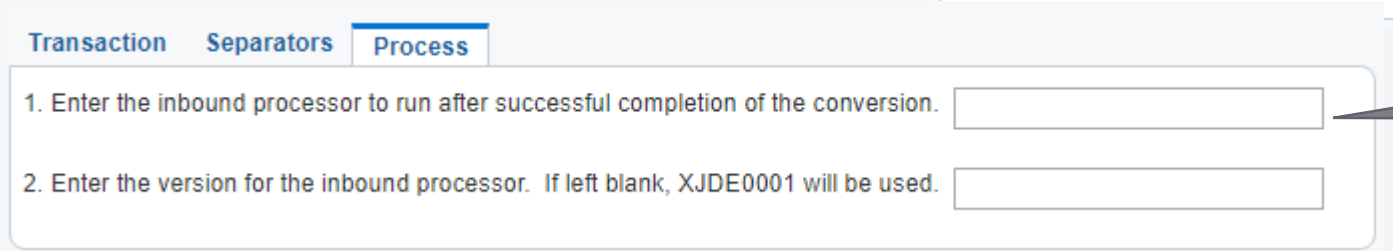
Must be a valid Folder (on server) and exact file name per server syntax

R47002C

- Flat file must be created by 3rd Party translator
- In the Flat File, populate the Record Type surrounded by Double Quotes (" ") as the first position in the flat file. Use a Comma (,) as a separator between fields
- Enter a value for each field in the sequence the field appears in the JD Edwards database table, surrounding each field by Double Quotes (" ") and separating each field with a Comma (,).
- Fields that will not be input still need double quotes around them.
- Use base JDE version XJDE0002 or use to create yours



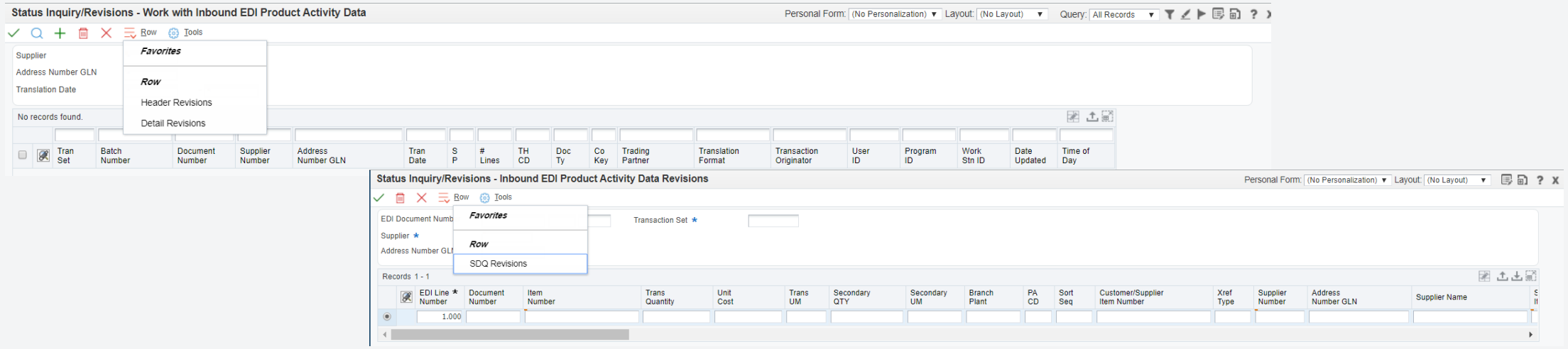




Optional. Use R47121 for auto processing (after conversion)

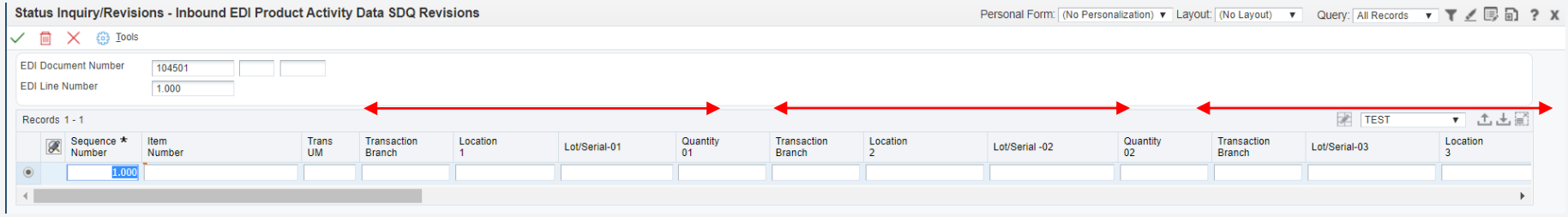
P47120 - Revisions

- The THCD field in Header must be populated with a valid value from the 47/TH UDC table even though it is for FUTURE use. E.g. T (Adjustment Required)
- The PACD field in detail uses a value from the 47/PA UDC table (Ex. QA, QR, QI) and controls how the transaction affects inventory. If you have added a new UDC code, ensure that Description 02 for the code you have added have valid value with '-', '+', 'I', 'R' or 'T'.
- FT field used to define From and To lines (only applicable for Transfers). One to Many OR many to One
- FT = 1 for From B/P and FT = 2 for To B/P
- Failure to specify the Description 02 field will result in an 'Action Invalid' (Error Code 2737) in the Work Center.



P47120 - SDQ

- Row > SDQ Revisions supports Qty. by lot by location for 10 different B/P per line
- The SDQ table F47123 used only if you are running replenishment (Outbound Inventory Management)



R47121 - Processor

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Enter '1' to run in FINAL mode. Default of blank will run in PROOF mode.	1
2. Enter '1' to have servers flag warnings, '2' to have them ignore warnings.	2
3. Process SDQ records. (future)	

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Enter the document type to be used for + transactions.	IA
2. Enter the document type to be used for - transactions.	II
3. Enter the document type to be used for R (replacement) transactions.	PI
4. Enter the document type to be used for T (transfer) transactions.	IT

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Enter a '1' to default Location and Lot from Primary location. (For Transfers the FROM location.)	
2. Enter a '1' to default the Location and Lot from the Primary for the TO location for Transfers.	
3. Customer Number.	
4. Enter the General Ledger Date to be used. Default of blank will use today's date, if G/L date not mapped.	

R47121 – Processor (contd.)

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Enter '1' to run in summary mode. G/L accounts will be summarized within each document number. If run in detail, G/L accounts will be produced for each item.

2. Enter a '1' to allow over issuing of an item.

3. Enter a '1' to allow transactions for held lots.

4. Enter a '1' if you want issues to affect Item Sales History (F4115).

5. Enter a '1' to allow overrides to item's cost. Blank will default item location cost, unless this is a replacement transaction (default item location cost is not available for this type of transaction).

6. Enter a '1' to print an audit report: 1

7. Lot Status Default
Blank = Default the lot status from the 'From' location to 'To' location.
1 = Do not default the lot status from the 'From' location to the 'To' location, when the 'To' location lot status is not blank.
2 = Do not default the lot status from the 'From' location to the 'To' location.

1 only for Transfers

Important to get pdf output without error as "The file is damaged and could not be repaired'

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Enter a '1' to automatically submit the Batch Sales Order Creation for items that fall below Reorder Point and have a Transaction Handling Code of 'G'. (future)

2. Enter the version of the Batch Sales Order Creation you want to submit. If left blank, version XJDE0001 will be used.

Batch Sales Order Creation P47011 (future)

Update Mode | Document Types | Defaults | Processing | Sales Order | Outbound Inventory

1. Report Outbound Inventory Consumption (P42I03) Version

Transactions created by R47121

Transaction	PA CD	What to expect (after R47121 processor runs)	Important to note
Qty. received (+)	QR	Item Stock updated in F41021 P4114 transaction created as IA GL Batch	
Qty. Transfer	IT	Item Stock updated in F41021 P4113 transaction created as IT GL Batch	If using lot, define lot expiration date to avoid error during processing
Qty. Replaced	R	Item Stock updated in F41021 P4111 transaction created as PI GL Batch	R47121 Processing Options > Cost Override = 1 P47121 detail, define (overridden) cost in Amount Unit Cost (MJUNCS)*

R47121 does not support Reclassification

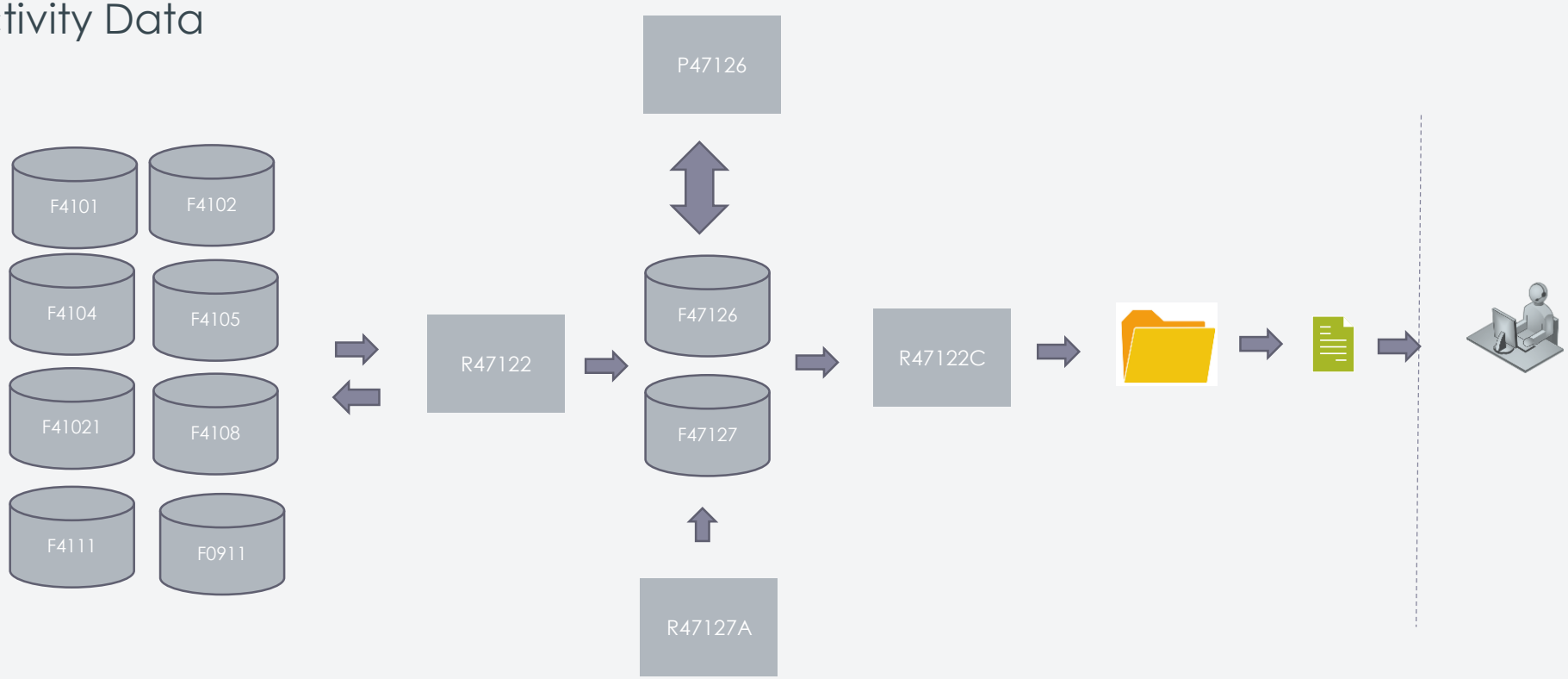
Remember

- If using 852 Inbound for internal transfers, location hold gets transferred From → To
- Run R47121 as single threaded to avoid negative on-hand quantity due to concurrent runs
- If location control is turned off in P41001, new location can be defined in P47121
- LPN transactions are not supported by 852 Inbound
- Old processed (not needed anymore) transactions in F47121/F47122/F47123 can be purged/archived with R47128A

Outbound

Outbound Process

- Menu G47241
- EnterpriseOne Menus > EDI Processing > Inventory Management Transactions > Product Activity Data



R47122 Extract

- Uses transactions defined in processing options per UDC 47/PA
- Can be run in Proof or Final Mode
- Versions for different purpose

Records 1 - 5

Version	Version Title
XJDE0001	Product Activity Data Extraction - Item/Loc/Date
XJDE0002	Product Activity Data Extraction - Item/Date
XJDE0003	Product Activity Data Extraction - Item/Location
XJDE0004	Product Activity Data Extraction - Item
XJDE0005	Product Activity Data Extraction Lot/Loc/Itm/Date

QS	Quantity Sold
QR	Quantity Received
QO	Quantity Out of Stock
QT	Adjustments to Inventory
QW	Quantity Withdrawn from Warehouse
QC	Quantity Committed
QD	Additional Demand Quantity
QH	Quantity Damaged or On Hold
QI	Quantity In Transit (Receipt Routing Bucket 1)
QP	Quantity on Order, not Received
QA	Current Quantity Available to Ship
QE	Current Quantity On Hand
QL	Minimum Reorder Quantity
QM	Maximum Reorder Quantity
QN	Planned Reorder Quantity
QX	Quantity Requested

R47122 Extract (contd.)

1-Update Options

1) Enter '1' to run this program in final mode. If left blank, will run this program in proof mode.

3-Summarization

Enter the number corresponding to how the item ledger records are summarized to create the outbound product activity data.

1 - Date within Lot within Location within Item
2 - Date within Location within Item, 3 - Date within Item, 4 - Location within Item, 5 - By Item. 1

2-Default Values

1) Enter the EDI Document type to create (EDCT). PA

2) Enter the EDI Transaction Set to create (EDST). 852

3) Enter the EDI Translation Format to create (EDFT).

4) Enter the Trading Partner ID (PNID).

Determines level of details captured.
1 – Lowest detailed
2 – Most detailed

1	Summarizes by lot by transaction date
2	Summarizes by location by item by transaction date
3	Summarizes by item by transaction date
4	Summarizes by location by item for all dates ,lots etc.
5	Summarizes by item for all dates for all locations, lots etc.

R47122 Extract (contd.)

4-Item Cross Ref

1) Enter Item Cross Reference Search Type.

2) Enter the Customer Number used for Item Cross Reference.

Types per UDC 41/DT

E.g. C, VN

Do not define as generally multiple customers, suppliers exist for an item

5-G/L Date Range

1) Enter the beginning General Ledger Date. 01/01/2020

2) Enter the ending General Ledger Date. 01/31/2020

6-Trans Generate

Specify the type(s) of activity transactions you want to generate by listing the document type(s) associated with the activity. Note: You can specify up to 10 document types per activity but a document type should not be specified more than once.

1) QS Quantity sold.	RI
2) QR Quantity received.	OV
3) QO Quantity out of stock.	IIIM
4) QT Adjustments to Inventory.	IA
5) QW Quantity withdrawn from W/H.	IT

Can provide multiple doc types for a transaction category . Max 10

R47122 Extract (contd.)

7-Trans (pg 2)

Enter a '1' to generate the following type of informational transactions.

1) QC Quantity committed.

2) QD Additional demand quantity.

3) QH Quantity damaged or on hold.

4) QI Quantity in transit.

5) QP Quantity on order, not received.

8-Trans (pg 3)

Enter a '1' to generate the following type of informational transactions.

6) QA Current quantity available to ship.

7) QE Ending balance quantity.

9-Reorder trans

Enter a '1' to generate the following type of reorder information transactions.

1) QL Minimum inventory quantity.

2) QM Maximum inventory quantity.

3) QN Planned inventory quantity.

4) QX Reorder quantity.

10-SDQ

1) Enter a '1' to generate SDQ records (future function).

P47126 – Edit/Inquiry

Status Inquiry/Revisions - Work with Outbound EDI Product Activity Data

Personal Form: (No Personalization) Layout: (No

Row Tools

Supplier *

Translation Date *

Favorites

Row

Header Revisions

Detail Revisions

1

Records 1 - 2

Tran Set	Batch Number	Document Number	Supplier Number	Tran Date	S P	# Lines	TH CD	Doc Ty	Co Key	Trading Partner	Translation Format	Transaction Originator	User ID	Program ID	Work Stn ID	Date Updated	Time of Day
852	9001	100001	6031			0		IA	00001			SO5859738		EP4114	OVERFELTS1	08/25/1998	131104
852	9002	100002	6031			0		IA	00001			SO5859738		EP4114	OVERFELTS1	08/25/1998	141220

Status Inquiry/Revisions - Outbound EDI Product Activity Data Header Revisions

Personal Form: (No Personalization) Layout: (No Layout) Query: All Records

Tools

2

EDI Document Number 100001 IA 00001

Records 1 - 1

TH CD	Supplier Number *	Date From	Date Thru	Supplier Name	User Code	User Date	User Amount	User Number	User Reference	Tran Set *	Translation Format	Tran Date	S/R Ind	# Lines	Batch Number	Trading Partner	S P	Record Type	Record Seq	Transaction Originator
	6031									852			S	0	9001			1	1	SO5859738

Status Inquiry/Revisions - Outbound EDI Product Activity Data Revisions

Personal Form: (No Personalization) Layout: (No Layout)

Row Tools

EDI - Document Num 00001 Transaction Set * 852

Supplier *

Favorites

Row

SDQ Revisions

3

Records 1 - 2

EDI Line Number *	Item Number	Trans Quantity	Unit Cost	Trans UM	Secondary QTY	Secondary UM	Branch Plant	Record Seq	PA CD	Customer/Supplier Item Number	Xref Type	Supplier Number	Supplier Name	Short Item No	3rd Item Number
1.000	4215	100000	.0000	BT			30	1	IA			6031		700648	4215
2.000															

Status Inquiry/Revisions - Outbound EDI Product Activity Data SDQ Revisions

Personal Form: (No Personalization) Layout: (No Layout) Query: All Records

Tools

4

EDI Document Number 100001 IA 00001

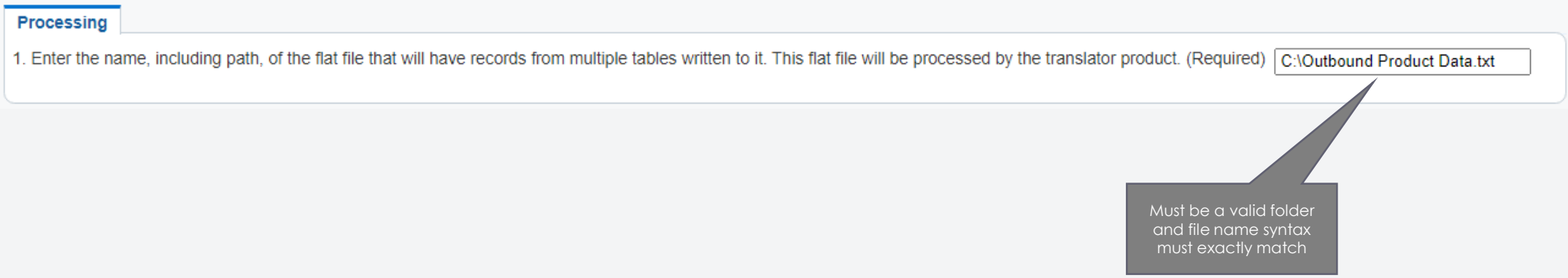
EDI Line Number 1.000

Records 1 - 1

Sequence Number *	Item Number	Trans UM	Transaction Branch	Location 1	Lot/Serial-01	Quantity 01	Transaction Branch	Transaction Branch	Transaction Branch	Transaction Branch	Transaction Branch	Transaction Branch	Transaction Branch	Tra Bra
1.000														

R47122C and R47127A

- R47122C - Will create flat file for transmission
- R47127A – Will update status as "Transmitted" . has no processing options.



Remember

- R47122 processing options summarization choices are important
- Old processed (not needed) transactions in F47126/F47127 can be purged/archived with R47129A

Outbound Inventory Management (42I) Integration

Outbound Inventory Management

- Needs to be activated and configured (42I)
- Only 852 inbound Process can trigger Consumption Reporting (P42IO3)
- P42IO3 will update F47121(Header), F47122(Detail)
- Will use F47123(SDQ) only if replenishment qty. in P42IO3 needs to be overridden.
- Enhancement request for outbound process to update Outbound Inventory Management is still pending

Taking EDI 852 to next level …

- E1 Pages - User experience, Embedded Watchlist
- UX One – Dashboards for transaction summary
- Form Extension/Grid Personalization – User experience, eliminate unnecessary customizations
- Orchestrator – Data Requests (Excel data), Auto trigger UBE's, Send Notifications etc.
- Keep an eye on Release 22 for more enhancements - Workflows

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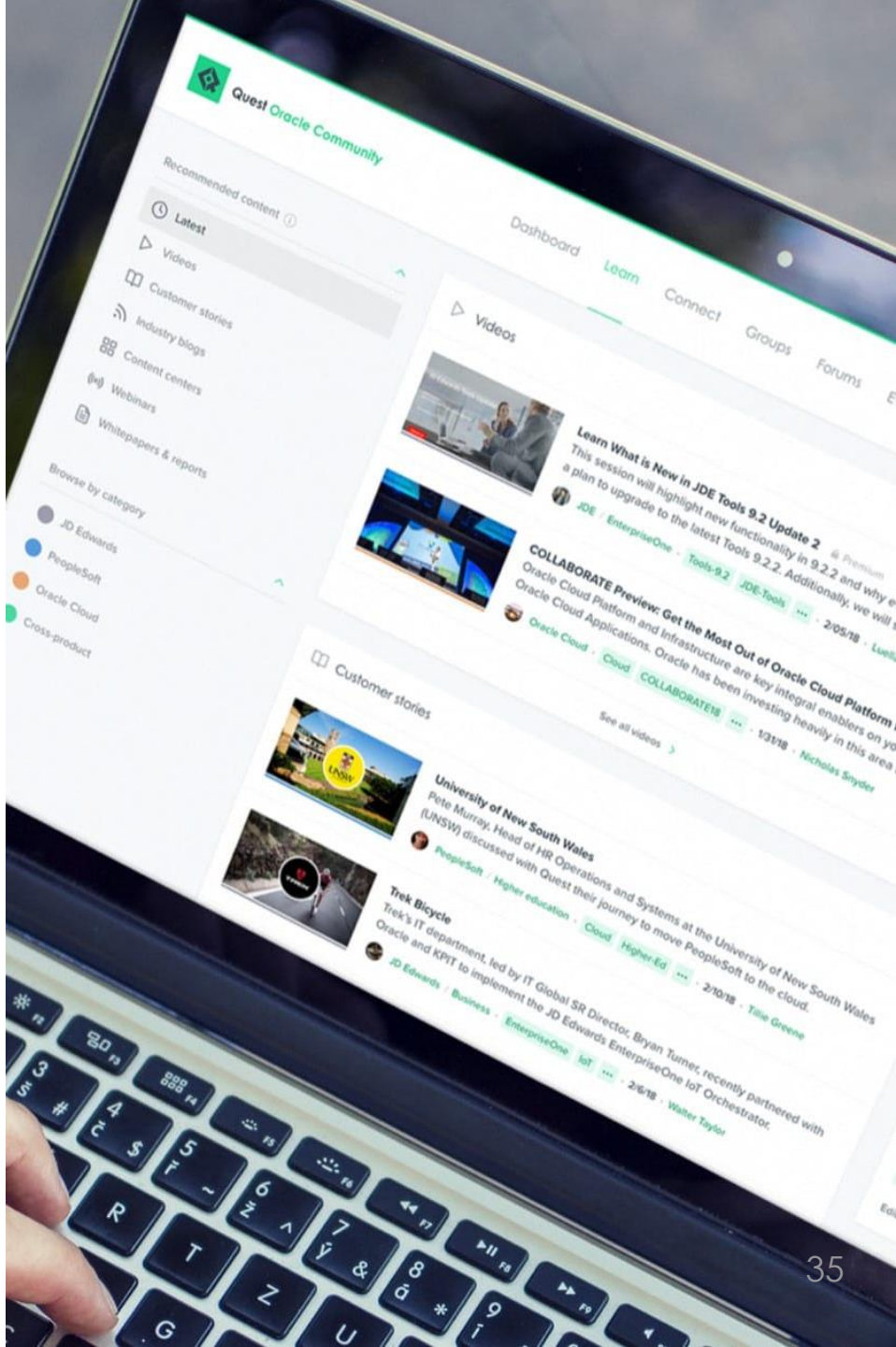

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Hear more from Grant Thornton

Tuesday

- **Automating positive pay with Orchestrations** | Mohammad Shujaat | 8:15 a.m. CT
- **Designing job cost code structures for effective cost management** | Craig Davied | 11:15 a.m. CT
- **Unleash the power of EDI 852** | Shrikant Gogate | 11:15 a.m. CT
- **Use form extensions to turbocharge JD Edwards 9.2** | Mohammad Shujaat | 1:15 p.m. CT
- **Using enhanced RMA** | Shrikant Gogate | 3:15 p.m. CT
- **A simplified guide to implementing lease accounting** | Sam Johnson | 3:15 p.m. CT
- **Extend JDE reporting with Oracle Analytics** | Jeffrey Silverman and Matt Elfeldt, Greer Labs | 3:15 p.m. CT

Wednesday

- **JDE's advanced pricing can handle the most complex pricing structures** | Craig Davied | 7:30 a.m. CT
- **Creating workflows with JD Edwards Orchestrator** | Dwight Moore | 8:45 a.m. CT
- **The steps to JD Edwards Orchestrator** | Anthony Palmisano | 12:45 p.m. CT
- **How general ledger can improve sales and operational reporting** | Craig Davied | 2:00 p.m. CT
- **A Covid migration: World to EnterpriseOne upgrade** | David Kratzke | 4:00 p.m. CT
- **Utilizing Orchestrator Studio for real estate** | Sam Johnson | 4:00 p.m. CT

Thursday

- **Paperless AP automation journey - An Orchestrator case study** | David Kratzke and Matt Marfice, Watson Land Company | 8:15 a.m. CT
- **Stop Integrating & start InteGreat-ing**| Mohammad Shujaat | 8:15 a.m. CT
- **The benefits from upgrading from World to EnterpriseOne** | Craig Davied | 10:00 a.m. CT
- **Step by step: Evaluate the effectiveness of your EAM/CAM asset maintenance program** | Steve Yniguez | 11:15 a.m. CT
- **IoT methods for reporting, dashboarding & customer portal using Orchestrator and CafeOne** | Jordan Myers | 11:15 a.m. CT
- **Manage your joint venture needs in JDE** | Craig Davied | 1:15 p.m. CT