



The steps to JD Edwards Orchestrator

Presented by:

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Session ID

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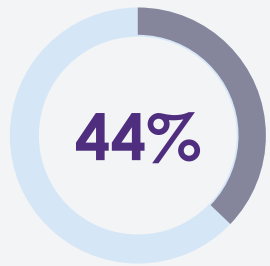
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 - Project Management
 - EnterpriseOne Upgrades
 - Orchestrator
 - Multiple E1 Modules
- Industries:
 - Energy
 - Retail
 - Manufacturing
 - Construction



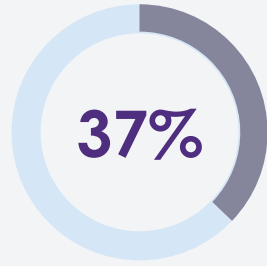
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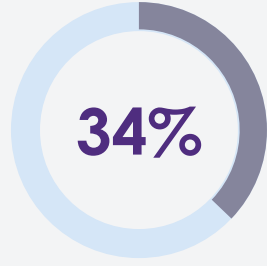
Who we serve:



Fortune 100
companies



Fortune 500
companies



Fortune 1000
companies

* Statistics as of July 31, 2020



\$1.92bn

in revenue



8,459

people, including
595 partners



53

offices

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)

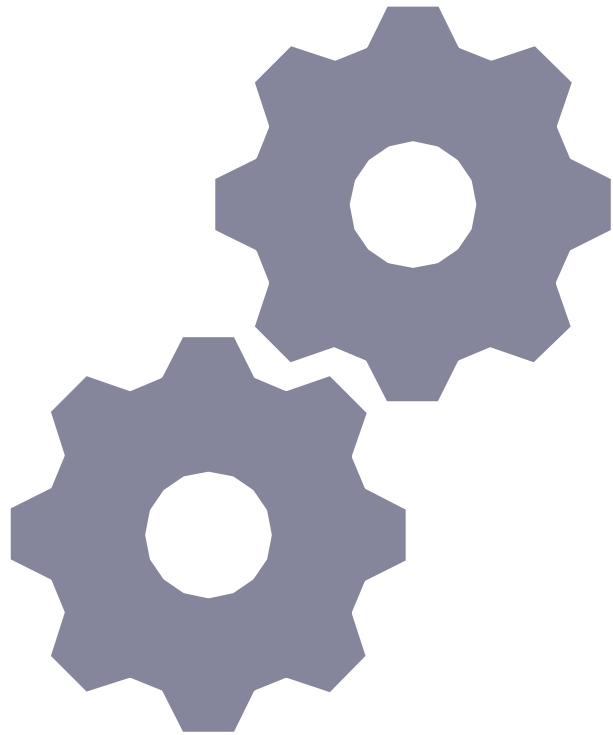


Experience and recognition

- 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**

Agenda

- Orchestrator Overview
- Build an Orchestration
- Testing & Debugging
- Form Extension Implementation
- Summary
- Questions

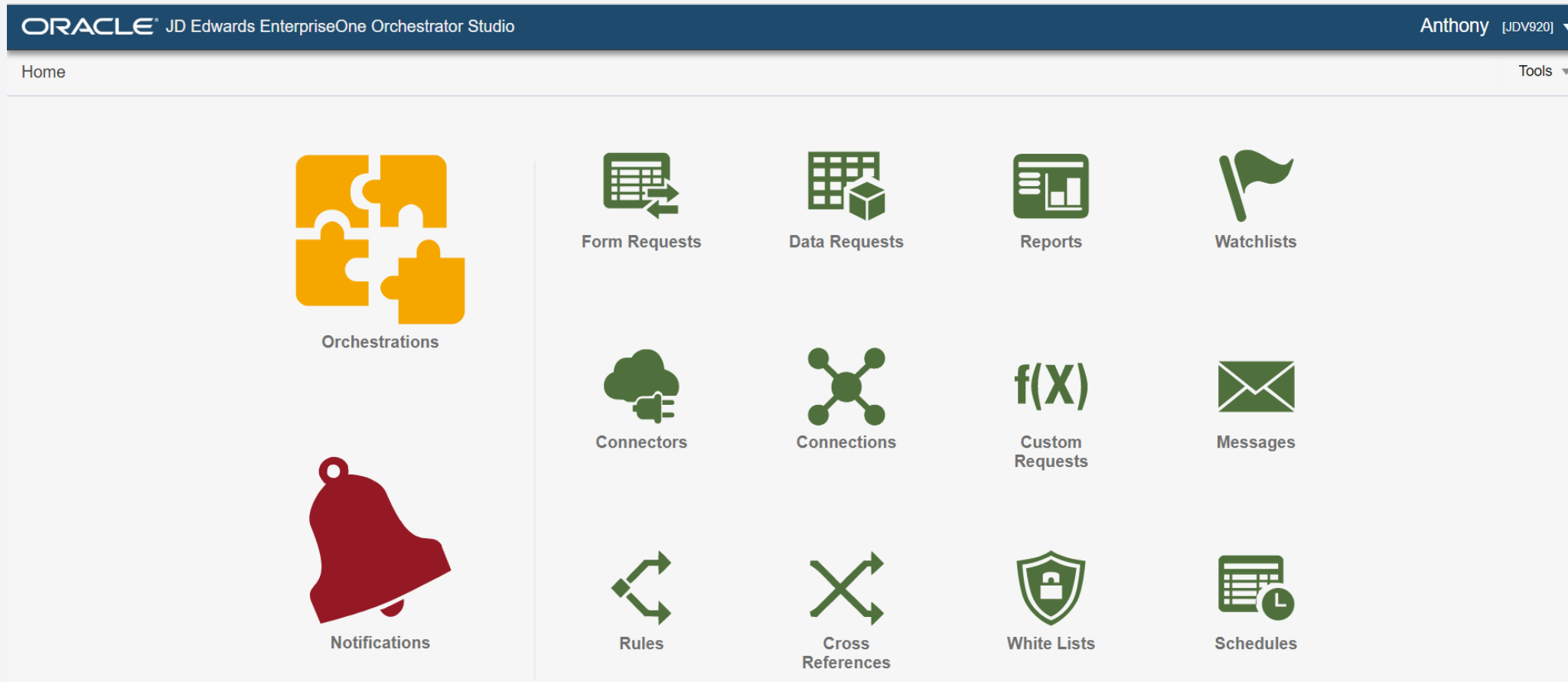


Orchestration Overview

Orchestrator Components

Orchestration Component	Description
Orchestrations	Containers that hold all components and define the sequence and inputs of the orchestration events
Service Requests	Services that can interact with JDE Applications, Reports, and Data. Service requests can also be used to send messages and connect with external systems
Rules	Define conditions to compare data and values against to make decisions within an orchestration
Notifications	Notifies users via internal JDE notifications or external communications of business events occurring within JDE
Schedules	Define schedules to execute notifications and orchestrations
Recordings	Used to quickly record form service events

Orchestrator Components



Orchestrator Example

ORACLE JD Edwards EnterpriseOne Orchestrator Studio Anthony [JDV920]

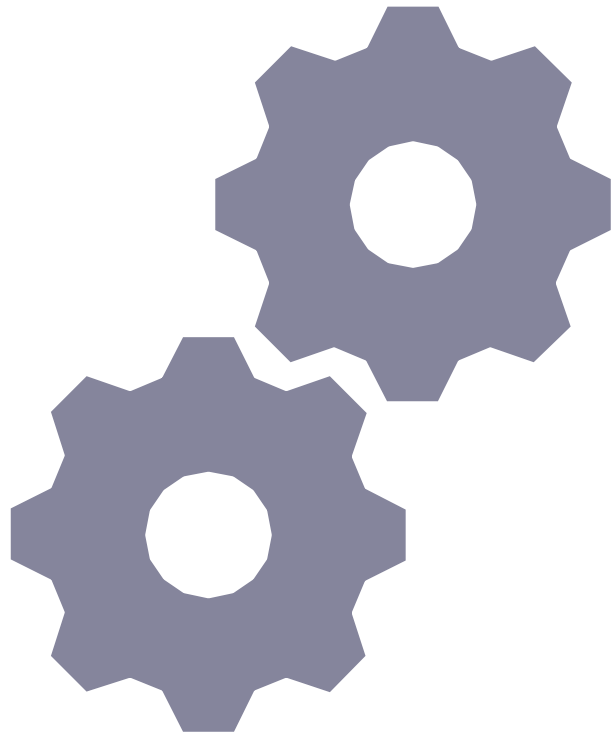
Home > Orchestrations > GT_ORCH_Anthony_0003_062320_PO_Reprint Tools

Name **GT_ORCH_Anthony_0003_062320_PO_Reprint** Product Code 55 - Reserved for Clients Version 3

Description Orchestration for reprinting a purchase order without changing its status Category Share Manage

Start GT_FREQ_Anthony_0004_06... GT_RREQ_Anthony_R43500... End

Design Mode



Building an Orchestration

Use Case

Work With Order Headers

✓ 🔍 + 📄 ✕ ⌵ Row ⚙️ Tools

Order Number * OP Branch/Plant *

Supplier

Records 1 - 1

	812	OP			
	Order Number	Or Ty	Order Co	Supplier Number	Supplier Description
🔍	812	OP	00001	4343	Parts Emporium

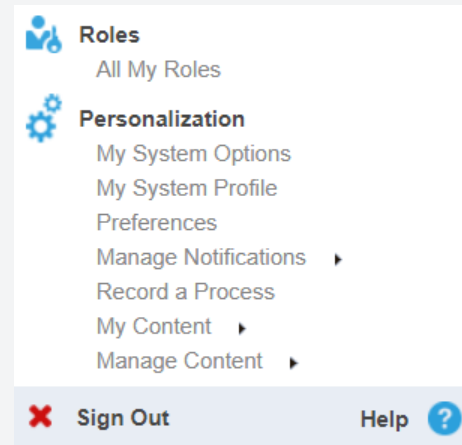
- Create orchestration to reprint a Purchase Order without advancing status
 - this can be done through a menu exit but we want to create a button on P4310 to save steps
- Orchestration to include:
 - Form Request – grab PO data from P4310 while on the form
 - Report Request – use inputs from Form Request as data selection on R43500 version (no status change)
- Create a Button via Form Extension to link the orchestration to

Steps to Creating the Orchestration

- Step 1 – Create the Orchestration
- Step 2 – Create the Form Request
- Step 3 – Create the Report Request
- Step 4 – Map the Inputs and Variables

Consider the Process – Teach the Orchestrator

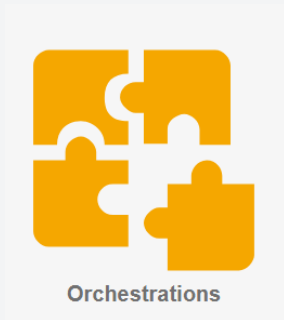
- When designing an Orchestration always best to manually walk through the process you are trying to orchestrate and note each step, application, version, input, etc.
- Can "Record a Process" to assist in creating the orchestration
 - Caution: they do not always turn out exactly as you need them to



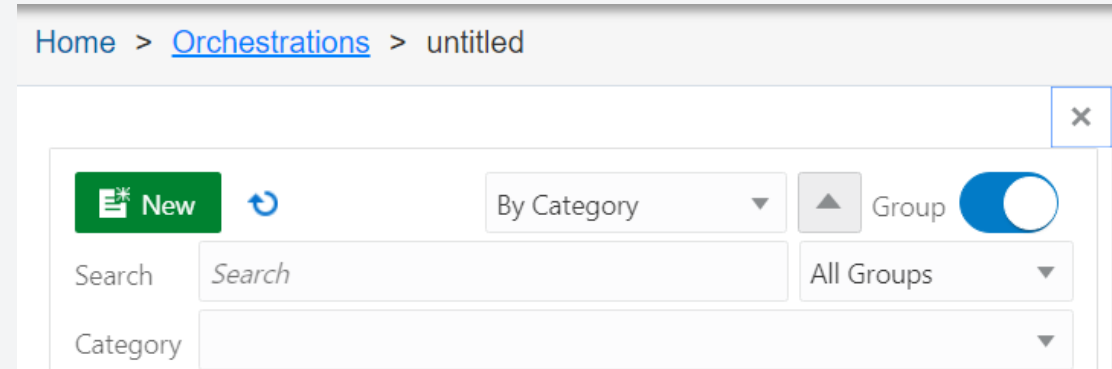
Let's Build! – Step 1

Start by Creating an Orchestration

- Click on "Orchestrations"



- Click "New"



Let's Build! – Step 1 (cont)

Start by Creating an Orchestration

- Fill out Orchestration Header info
 - Use consistent naming convention – "Org_Type_Name_NextNumber"
 - Use "Category" field to help find Orchestration when searching
 - Product Code should stay 55 unless change required
 - Save the Orchestration

The screenshot displays the Oracle JD Edwards EnterpriseOne Orchestrator Studio interface. The top header bar is dark blue with the Oracle logo and the text "JD Edwards EnterpriseOne Orchestrator Studio" on the left, and the user name "Anthony [JDV920]" on the right. Below the header, a breadcrumb trail shows "Home > Orchestrations > untitled". The main workspace contains a form for creating an orchestration. On the left, there is a sidebar with a hamburger menu icon. The form fields are as follows:

Field	Value
Name	GT_ORCH_Anthony_0020
Description	Reprint Purchase Order without advancing status
Product Code	55 - Reserved for Clients
Category	PO Reprint
Version	3

Additional controls include a "Manage" dropdown menu, a "Share" button, and a "Tools" dropdown menu in the top right corner.

Let's Build! – Step 2

Create Form Request

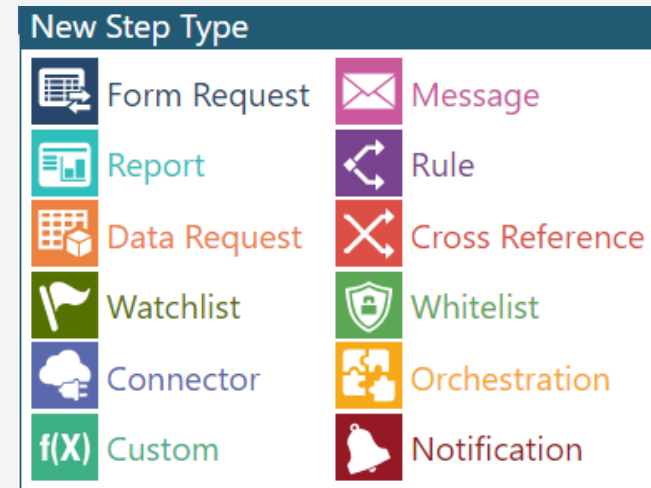
- Click "+"
 - if not + then make sure you are in "Design Mode"

The screenshot displays the Oracle JD Edwards EnterpriseOne Orchestrator Studio interface. The top header bar shows the application name and the user 'Anthony [JDV920]'. Below the header, the breadcrumb navigation indicates the current location: 'Home > Orchestrations > GT_ORCH_Anthony_0020'. The main workspace is titled 'GT_ORCH_Anthony_0020' and contains a description: 'Reprint Purchase Order without advancing status'. To the right of the description, there are fields for 'Product Code' (55 - Reserved for Clients), 'Version' (3), and 'Category' (PO Reprint). A 'Share' button is also visible. In the center of the workspace, a workflow diagram is shown with three nodes: a 'Start' node (blue circle with a play icon), a '+' node (blue circle with a plus icon), and an 'End' node (blue square). A red arrow points to the '+' node, indicating where to click to add a new step. At the bottom left of the workspace, there is a button labeled 'Exit Design Mode', which is also pointed to by a red arrow.

Let's Build! – Step 2 (cont)

Create Form Request

- Choose "Form Request"
- Click "New" to create new Form Request

A user interface for creating a new Form Request. It features a green "New" button with a plus icon and a refresh icon. To the right is a "By Name" dropdown menu. Further right is a "Group" section with an upward arrow, the text "Group", and a blue toggle switch. Below these are two search fields: "Search" with a placeholder "Search" and "All Groups" with a dropdown arrow. At the bottom is a "Category" label followed by a large empty dropdown menu.

Let's Build! – Step 2 (cont)

Create Form Request

- Fill out:
 - Name - Required
 - Description
 - Category

Form Request

Name **GT_FREQ_Anthony_0014**

Description Form Request on P4310 to grab Order Number and Order Type



Product Code 55 - Reserved for Clients

Category

PO Reprint




Share

Let's Build! – Step 2 (cont)








Create Form Request

Form Request

Name **GT_FREQ_Anthony_0014** Product C

Description Form Request on P4310 to grab Order Number and Order Type 

Category

 Form Request Options **Add Form:**  First  Before  After  Last   Remove

- In "Add Form" section click "First"
- Fill out:
 - Application: P4310
 - Form: W4310I
- Click "Save and Load"

Application
P4310

Form
W4310I - Work With Order Headers

Version

Form Mode

Bypass Form Processing in Studio
☐

Query Name

Stop on Warning
☐

Run Form Service Request Event
☐

Turbo Mode

Save and Load

Let's Build! – Step 2 (cont)

Create Form Request

- "Available Actions" should have appeared with options for P4310

Form Request Options

Add Form: << First < Before > After >> Last ≡ ✕ Remove

1

Work With Order Headers

Order of Execution

Description	Action	Input	Default Value
No data to display.			

Available Actions

Description	ID	Return	Variable
▶ Button and Exits			
Branch/Plant	9	<input type="checkbox"/>	<input type="checkbox"/>
Order Company	77	<input type="checkbox"/>	<input type="checkbox"/>
Order Number	73	<input type="checkbox"/>	<input type="checkbox"/>
Order Type	11	<input type="checkbox"/>	<input type="checkbox"/>
Supplier	113	<input type="checkbox"/>	<input type="checkbox"/>
▶ Work With Order Headers - QBE			
▶ Work With Order Headers - Grid	1		

Let's Build! – Step 2 (cont)

Create Form Request

- We need to work with QBE input – this Form Request will take the user defined input in QBE, find the PO, and grab the Order Type and Order Number
- The actions we select will be performed in the order they are listed in the "Order of Execution" section

Let's Build! – Step 2 (cont)

Create Form Request

- From "Work with Order Headers – QBE", expand section and select:
 - Click "+" next to:
 - Or Ty
 - Order Number

Available Actions				
Description	ID	Return	Variable	
▲ Work With Order Headers - QBE				
Amount	21			+
Branch/ Plant	52			+
Buyer	29			+
Curr	23			+
Foreign Amount	22			+
Hd CD	78			+
Or Ty	20			+
Order Co	32			+
Order Date	33			+
Order Number	19			+

Let's Build! – Step 2 (cont)

Create Form Request

- From "Buttons and Exits", expand and select:
 - Click "+" next to:
 - Find

Available Actions				
Description	ID	Return	Variable	
▲ Button and Exits				
Add	13			+
Add Change Order	106			+
Close	5			+
Copy	43			+
Delete	61			+
Detail Revision	62			+
Financial Status	102			+
Find	12			+

Let's Build! – Step 2 (cont)

Create Form Request

- Order of Execution should look like this after choosing actions for QBE line and Buttons/Exits

Form Request

Name: **GT_FREQ_Anthony_0014**

Description: Form Request on P4310 to grab Order Number and Order Type

Form Request Options: Add Form: << First < Before > After >> Last Remove

1

Work With Order Headers

Order of Execution

	Description	Action	Input	Default Value
≡	Or Ty	SetQBEValue	Or_Ty	
≡	Order Number	SetQBEValue	Order_Number	
≡	Find	DoAction		

Let's Build! – Step 2 (cont)

Create Form Request

- Now we need to return the values from the grid that were found from the first 3 steps.
- In the "Available Actions" go to and expand "Work with Order Headers – Grid"
- Click "Return" button next to:
 - Or Ty
 - Order Number

Available Actions				
Description	ID	Return	Variable	
Curr	23	<input type="radio"/>		
Foreign Amount	22	<input type="radio"/>		
Hd CD	78	<input type="radio"/>		
Or Ty	20	<input checked="" type="radio"/>		
Order Co	32	<input type="radio"/>		
Order Date	33	<input type="radio"/>		
Order Number	19	<input checked="" type="radio"/>		
Ordered By	55	<input type="radio"/>		
Reference	30	<input type="radio"/>		
RMA Number	119	<input type="radio"/>		
RMA Ty	120	<input type="radio"/>		

Let's Build! – Step 2 (cont)

Create Form Request

- Order of Execution should now have a "Return Form Data" section





Order of Execution				
	Description	Action	Input i	Default Value
≡	Or Ty	SetQBValue	Or_Ty	
≡	Order Number	SetQBValue	Order_Number	
≡	Find	DoAction		
≡	Return Form Data	+		

- Click blue arrow to open the Return Form Data view

Let's Build! – Step 2 (cont)

Create Form Request

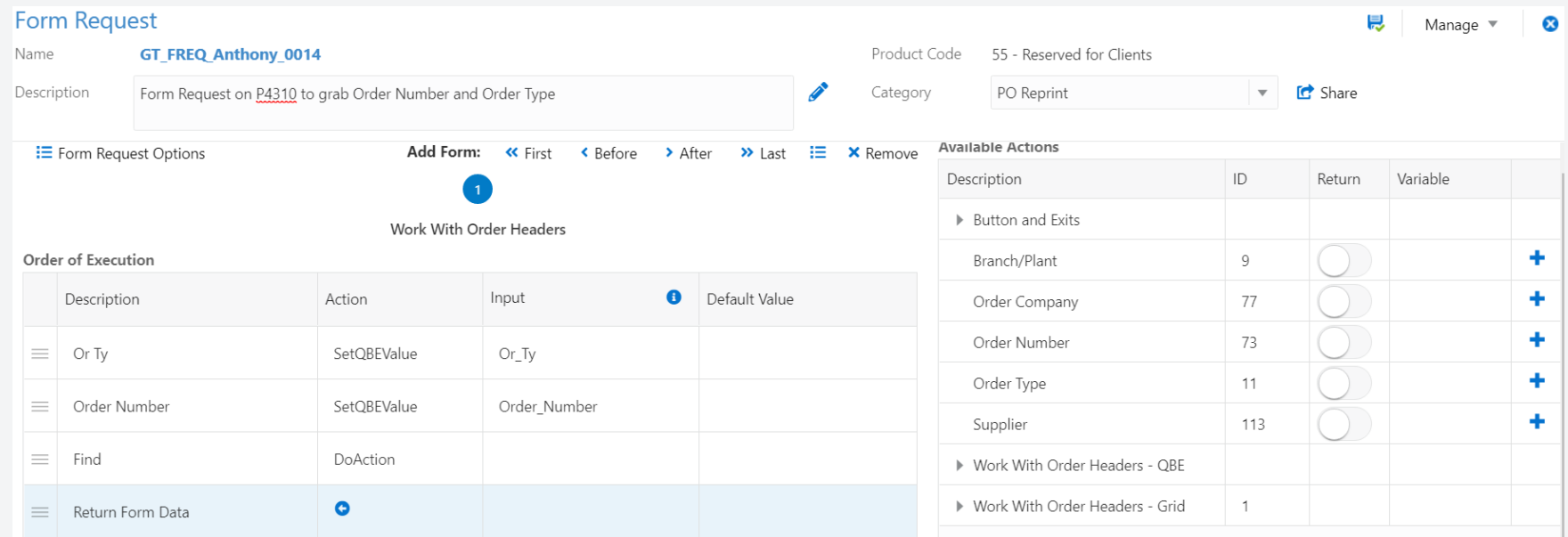
- In the "Variable" column enter a name for each: Or Ty and Order Number.
 - We will use these later

			
ID	Description	Variable	
1	Work With Order Headers - Grid		
20	Or Ty	OrderType	
19	Order Number	OrderNumber	

Let's Build! – Step 2 (cont)

Create Form Request

- We are done with the Form Request!!
- Click "Save"
- Then "X"



Form Request

Name: **GT_FREQ_Anthony_0014**

Description: Form Request on P4310 to grab Order Number and Order Type

Product Code: 55 - Reserved for Clients

Category: PO Reprint

Manage | Share

Form Request Options

Add Form: << First < Before > After >> Last Remove

1

Work With Order Headers

Order of Execution

	Description	Action	Input	Default Value
≡	Or Ty	SetQBEValue	Or_Ty	
≡	Order Number	SetQBEValue	Order_Number	
≡	Find	DoAction		
≡	Return Form Data	+		

Available Actions

Description	ID	Return	Variable	
▶ Button and Exits				
Branch/Plant	9	<input type="checkbox"/>		+
Order Company	77	<input type="checkbox"/>		+
Order Number	73	<input type="checkbox"/>		+
Order Type	11	<input type="checkbox"/>		+
Supplier	113	<input type="checkbox"/>		+
▶ Work With Order Headers - QBE				
▶ Work With Order Headers - Grid	1			

Let's Build! – Step 2 (Review)

Create Form Request

- Orchestration should now look like this



Let's Build! – Step 3

Create Report Request

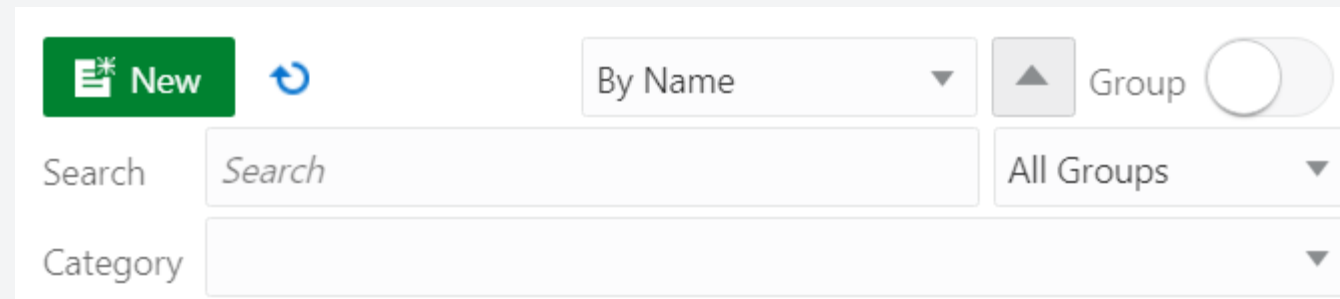
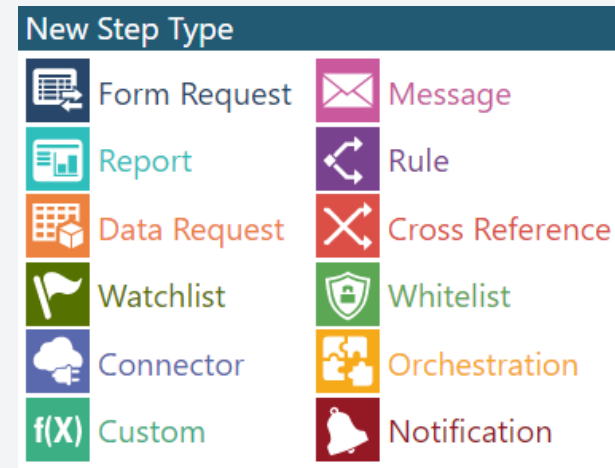
- Click "+" to right of Form Request to add a Report Request after it in the orchestration



Let's Build! – Step 3 (cont)

Create Report Request

- Select "Report"
- Click "New"

A screenshot of a user interface showing a 'New' button (green with a plus icon) and a refresh icon. Below the button is a search bar with the placeholder text 'Search'. To the right of the search bar is a dropdown menu labeled 'By Name'. Further right is a 'Group' toggle switch and a dropdown menu labeled 'All Groups'. Below the search bar is a 'Category' label and a dropdown menu.

Let's Build! – Step 3 (cont)

Create Report Request

- Fill out the Report Request header
 - Version R43500 | GTAP0001 was a copy of XJDE0002 with additional data selection added. You will need to create your own R43500 version

Report	
Name	GT_RREQ_Anthony_0001_R43500
Description	Run <u>R43500 GTAP0001</u>
Product Code	55 - Reserved for Clients
Category	PO Reprint

Let's Build! – Step 3 (cont)

Create Report Request

- Enter R43500 in the "Report Name" field
- Enter your custom version of R43500 in "Report Version" field
- Click "Override Version" so we can use inputs from Form Request in the data selection

Report

Name

GT_RREQ_Anthony_0001_R43500

Description

Run R43500|GTAP0001

Product Code

55 - Reserved for Clients

Category

PO Reprint

Manage

Share

Report Name

R43500

Purchase Order Print

Report Version

GTAP0001 - Reprint Purchase Order

Queue

☐ Blind Execution

☐ Report Interconnects

☒ Override Version

Output Options

Fire and Forget

☒

Let's Build! – Step 3 (cont)

Create Report Request

- We need to define our Data Selection
- Click in operand field for each variable and enter \${ }
- Between { } enter the name you want to give variable. Make it something recognizable. Click Save

+ Add

	And	Status Code - Next (F4311) (NXTR) [BC]	is not equal to	999
	And	Document (Order No, Invoice, etc.) (F4301) (DOCO) [BC]	is equal to	\${PO_Number}
	And	Order Type (F4311) (DCTO) [BC]	is equal to	\${Order_Type}

Let's Build! – Step 3 (cont)

Create Report Request

- We are done with the Report Request!!
- Click "Save" and then the "X"

Report

Name: **GT_RREQ_Anthony_0001_R43500**

Description: **Run R43500|GTAP0001**

Product Code: **55 - Reserved for Clients**

Category: **PO Reprint**

Report Name: **R43500** Purchase Order Print

Report Version: **GTAP0001 - Reprint Purchase Order**

Queue:

☐ Blind Execution ☐ Report Interconnects ☒ Override Version

Fire and Forget: ☒

Data Selection + Add

<input checked="" type="checkbox"/>	And	Status Code - Next (F4311) (NXTR) [BC]	is not equal to	999
<input checked="" type="checkbox"/>	And	Document (Order No, Invoice, etc.) (F4301) (DOCO) [BC]	is equal to	\${PO_Number}
<input checked="" type="checkbox"/>	And	Order Type (F4311) (DCTO) [BC]	is equal to	\${Order_Type}

Data Sequencing + Add

Processing Options

Let's Build! – Step 3 (Review)

Create Report Request

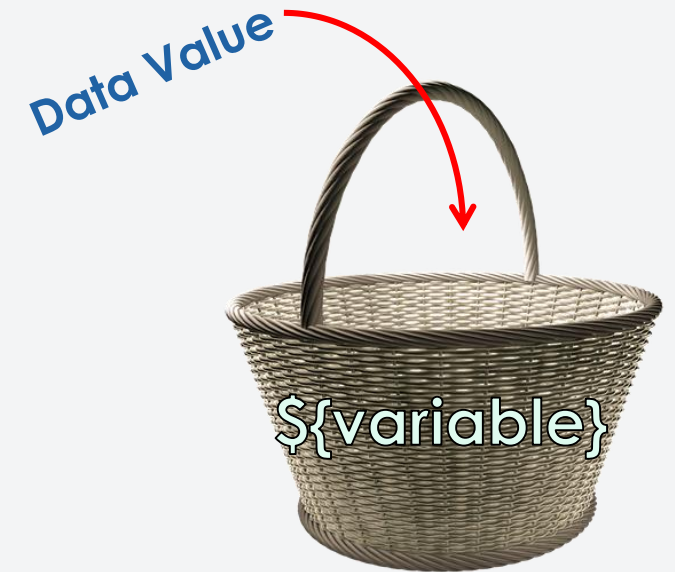
- Your Orchestration should look like this



Let's Build! – Step 4

Assigning Inputs

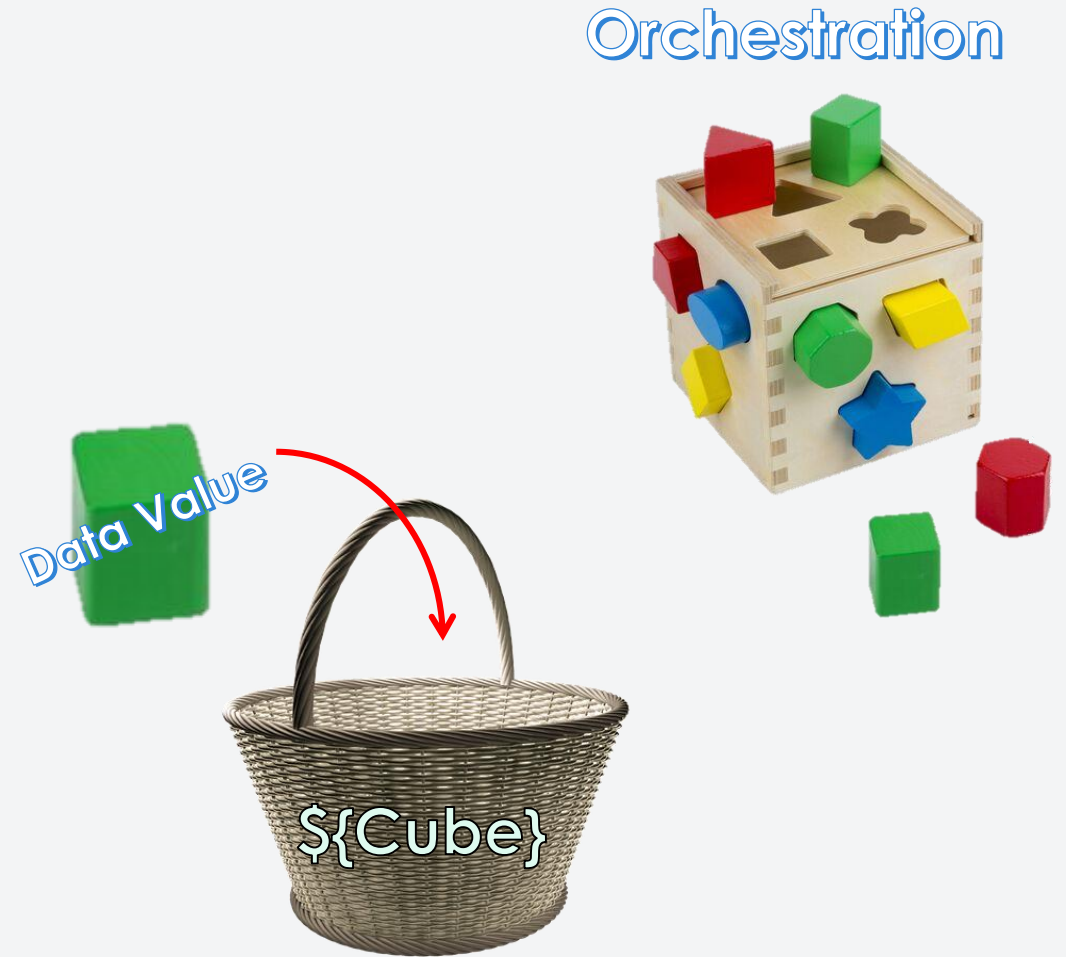
- Each step of the orchestration has Input Variables
- Think of Input Variables as baskets that carry values through the process
- Our variables were:
 - chosen from the Form Request on P4310
 - defined with `${ }` in the data selection of R43500
- Now we have to link them all



Let's Build! – Step 4 (cont)

Let's Discuss Inputs and Variables

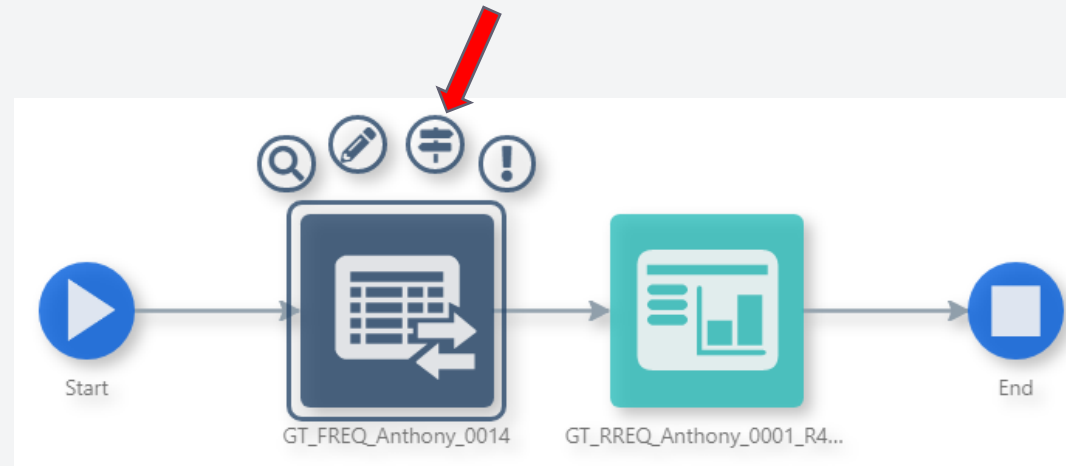
- Inputs are the data received – Triangles, Cubes, Stars, etc
- Variables are the spaces they fit in (basket, puzzle holes)
- Imagine that the basket is shaped like the Cube
- Puzzle = Orchestration



Let's Build! – Step 4 (cont)

Assigning Inputs

- Our inputs to the QBE line in P4310 are taken from outside our Orchestration thus they need to be set up in the "Start" button
- First click on the Form Request tile then the "Transformations" sign post button



Let's Build! – Step 4 (cont)

Assigning Inputs

- In the "Transformation" window click "Add Inputs to Orchestration"
- This assigns these variable as inputs to the Orchestration
- Then click "Auto Map" to map these variables to the Orchestration inputs

Transformations GT_FREQ_Anthony_0014 Form Request

↓ Auto Map Iterate Over

+ Add Inputs to Orchestration

Input	Available Values	Default Value
Or_Ty	▼	
Order_Number	▼	
P4310_Version	▼	

Let's Build! – Step 4 (cont)

Assigning Inputs

- Your screen should look like this
- To clear the "P4310_Version" to blank click the down arrow and select blank. There is no need to map the P4310 version

Transformations

GT_FREQ_Anthony_0014
Form Request

↓ Auto Map

Iterate Over

+

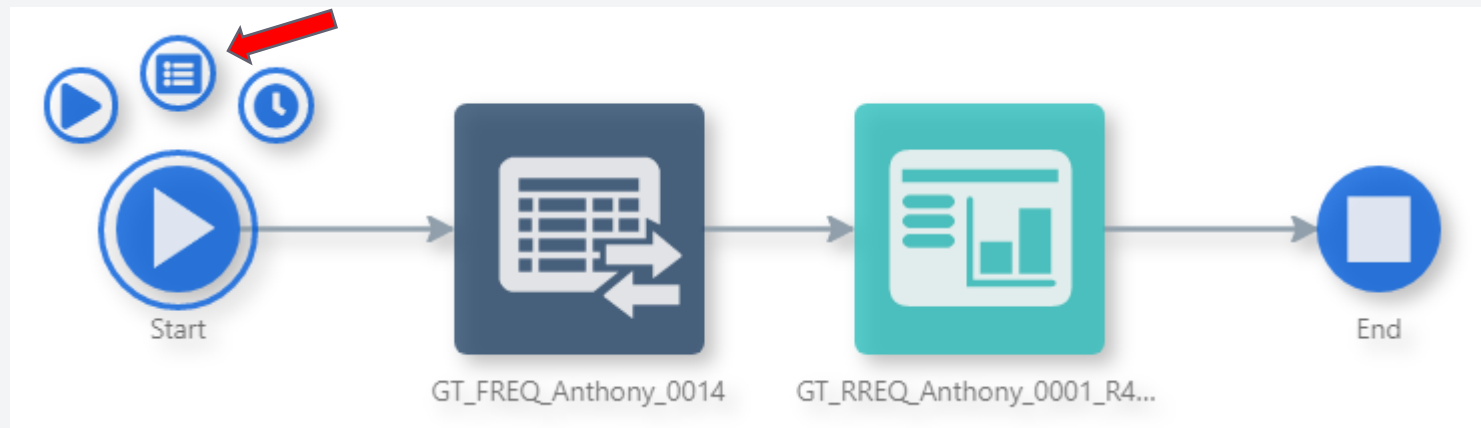
 Add Inputs to Orchestration

Input	Available Values	Default Value
Or_Ty	Or_Ty	
Order_Number	Order_Number	
P4310_Version		

Let's Build! – Step 4 (cont)

Assigning Inputs

- Click 'Save'
- Click the "Start" button and click the "Inputs and Values" button



Let's Build! – Step 4 (cont)

Assigning Inputs

- These are the external inputs that the Orchestration will get from the Form
- Click the "X" next to the P4310_Version to remove this Input

Inputs and Values

Input Format Generic View Example Input Object

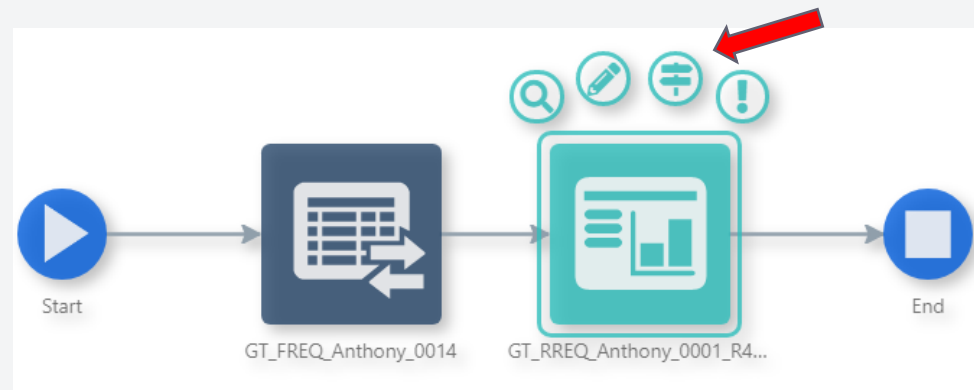
	Orchestration Inputs	Variables	System Values	Values From Steps	
	Input	Value Type	Default Value	Required	
	Or_Ty	String ▼		<input type="checkbox"/>	✕
	Order_Number	String ▼		<input type="checkbox"/>	✕
	P4310_Version	String ▼		<input type="checkbox"/>	✕
		String ▼		<input checked="" type="checkbox"/>	



Let's Build! – Step 4 (cont)

Assigning Inputs

- Click on the Report Request and then the "Transformations" button
- In the Report Request Transformations we do not want to click "Add Inputs to Orchestration" because we want our inputs from the Form Request on P4310



Let's Build! – Step 4 (cont)


Assigning Inputs

- In the "Available Values" column click the down arrow for "PO_Number" and find the values from the Form Request
- Select the "OrderNumber" value.

Transformations GT_RREQ_Anthony_0001_R43500
Report

↓ Auto Map Iterate Over ▼ + Add Inputs to Orchestration

Input	Available Values	Default Value
PO_Number	▼	
Order_Type	<div>User's Address Book Number User's Name System Date Orchestration Input GT_FREQ_Anthony_0014 OrderType OrderNumber</div>	



Let's Build! – Step 4 (cont)

Assigning Inputs

- Repeat process and map "Order_Type"
- Your Report Request Transformations should look similar to this
- Click "Save"

Transformations

GT_RREQ_Anthony_0001_R43500
Report

↓ Auto Map

Iterate Over

+

Add Inputs to Orchestration

Input	Available Values	Default Value
PO_Number	OrderNumber ▼	
Order_Type	OrderType ▼	

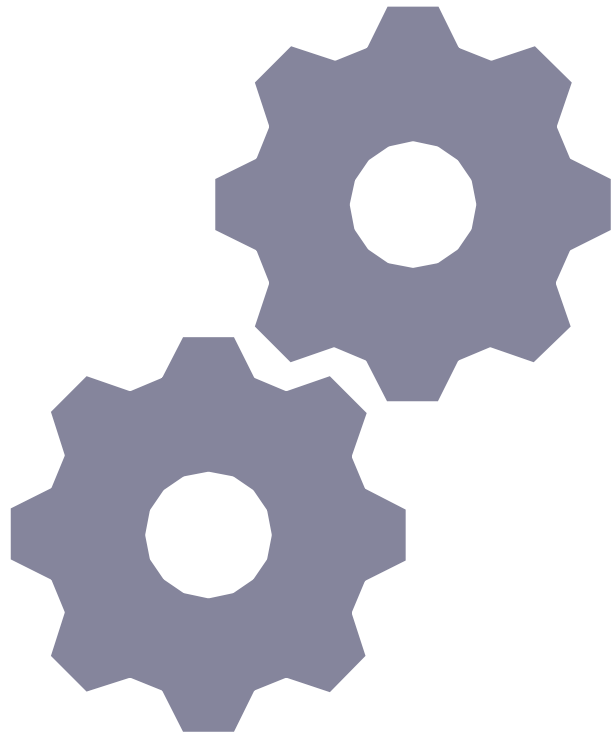
Steps to Creating the Orchestration

- Step 1 – Create the Orchestration
- Step 2 – Create the Form Request
- Step 3 – Create the Report Request
- Step 4 – Map the Inputs and Variables

Let's Build!

Orchestration Built!

- We have finished building our Orchestration.
- Now we need to test




Testing and Debugging

Testing

In EnterpriseOne

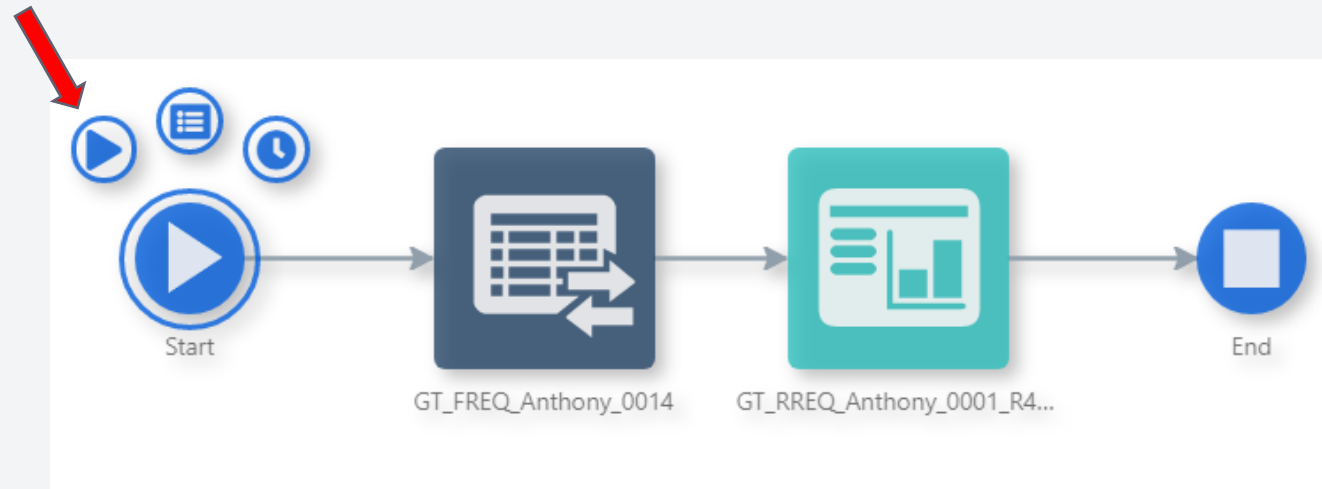
- We need to get an open order to be sure the status doesn't advance when run the Orchestration

Records 1 - 1											
			812	400							
<input type="checkbox"/>		Or Ty	Order Number	Next Status	Quantity To Receive	UM	Amount To Receive	Ship To	Order Co	Change Order	Supplier Number
<input type="checkbox"/>		OP	812	400	2000000	EA	10,000,000.00	6031	00001	000	4343

Testing

In Orchestrator

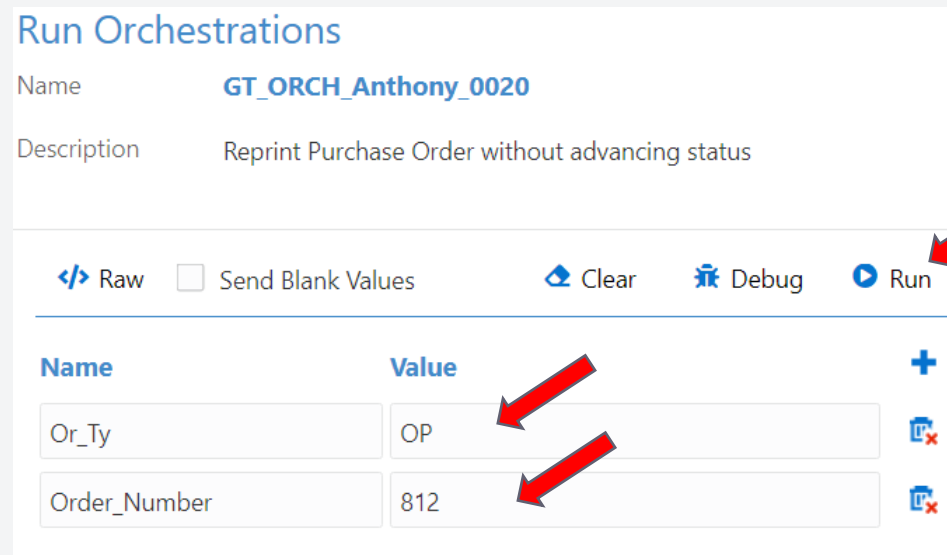
- Click "Start" button on your Orchestration
- Click "Run Orchestration" button



Testing

In Orchestrator

- In the "Run Orchestrations" screen enter the values for each variable using the Open Order we found in E1
- Click "Run"



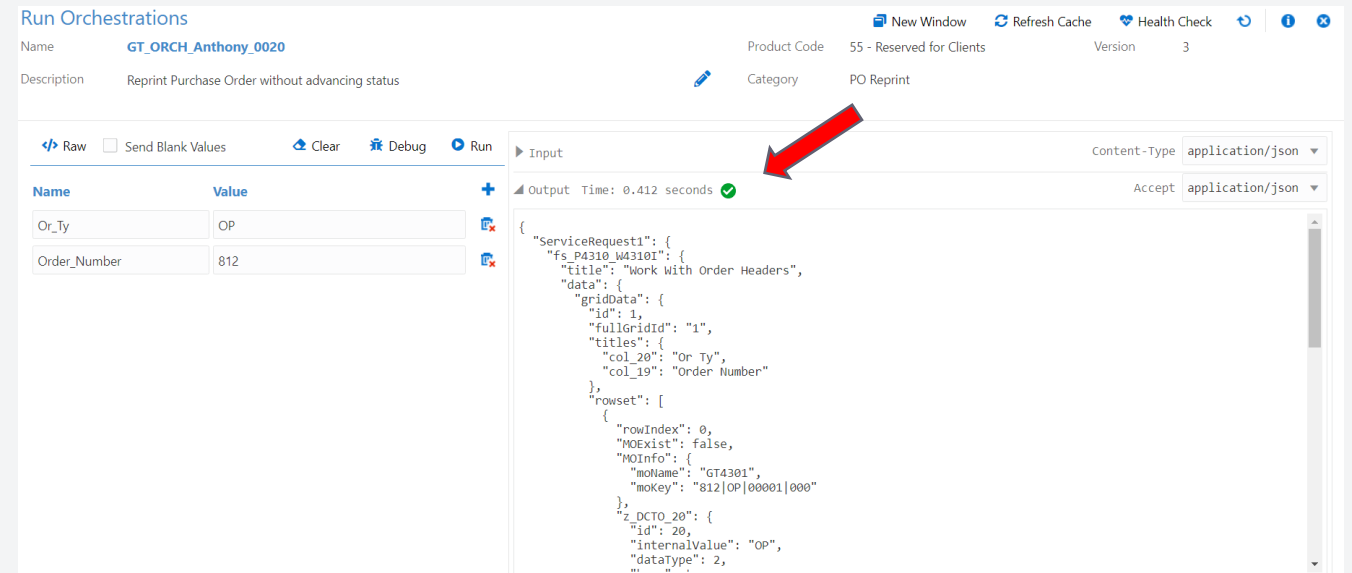
The screenshot shows the 'Run Orchestrations' interface. At the top, the title 'Run Orchestrations' is displayed. Below it, the 'Name' field contains 'GT_ORCH_Anthony_0020' and the 'Description' field contains 'Reprint Purchase Order without advancing status'. A toolbar at the bottom of the header section includes a code icon, a 'Raw' label, a 'Send Blank Values' checkbox, a 'Clear' button, a 'Debug' button, and a 'Run' button. A red arrow points to the 'Run' button. Below the toolbar is a table with two columns: 'Name' and 'Value'. The first row has 'Or_Ty' in the 'Name' column and 'OP' in the 'Value' column. The second row has 'Order_Number' in the 'Name' column and '812' in the 'Value' column. Red arrows point to the 'OP' and '812' values. To the right of each row is a plus icon and a delete icon (a trash can with an 'x').

Name	Value
Or_Ty	OP
Order_Number	812

Testing

In Orchestrator Studio

- Green checkmark means it processed successfully
- JSON output can be read to determine what happened – helpful for debugging



Run Orchestrations

Name: **GT_ORCH_Anthony_0020**

Description: Reprint Purchase Order without advancing status

Product Code: 55 - Reserved for Clients



Version: 3

Category: PO Reprint

Raw ☐ Send Blank Values Clear Debug Run

Name	Value
Or_Ty	OP
Order_Number	812

Input

Output Time: 0.412 seconds  

Content-Type: application/json

Accept: application/json

```
{
  "ServiceRequest1": {
    "fs_P4310_W4310I": {
      "Title": "Work With Order Headers",
      "data": {
        "gridData": {
          "id": 1,
          "fullGridId": "1",
          "titles": {
            "col_20": "Or Ty",
            "col_19": "Order Number"
          },
          "rowset": [
            {
              "rowIndex": 0,
              "MOExist": false,
              "MOInfo": {
                "moName": "GT4301",
                "moKey": "812|OP|00001|000"
              },
              "z_DCTO_20": {
                "id": 20,
                "internalValue": "OP",
                "dataType": 2,
                ""
              }
            }
          ]
        }
      }
    }
  }
}
```

Testing


In EnterpriseOne

- Recent Reports should show the R43500 version we are using



- The test order should not have advanced

Records 1 - 1

			812	400
<input type="checkbox"/>		Or Ty	Order Number	Next Status
<input type="checkbox"/>		OP	812	400

Debugging





In Orchestrator





- To use debug, in "Run Orchestrations" click "Debug" after you enter your input values

Run Orchestrations

Name **GT_ORCH_Anthony_0020**

Description Reprint Purchase Order without advancing status

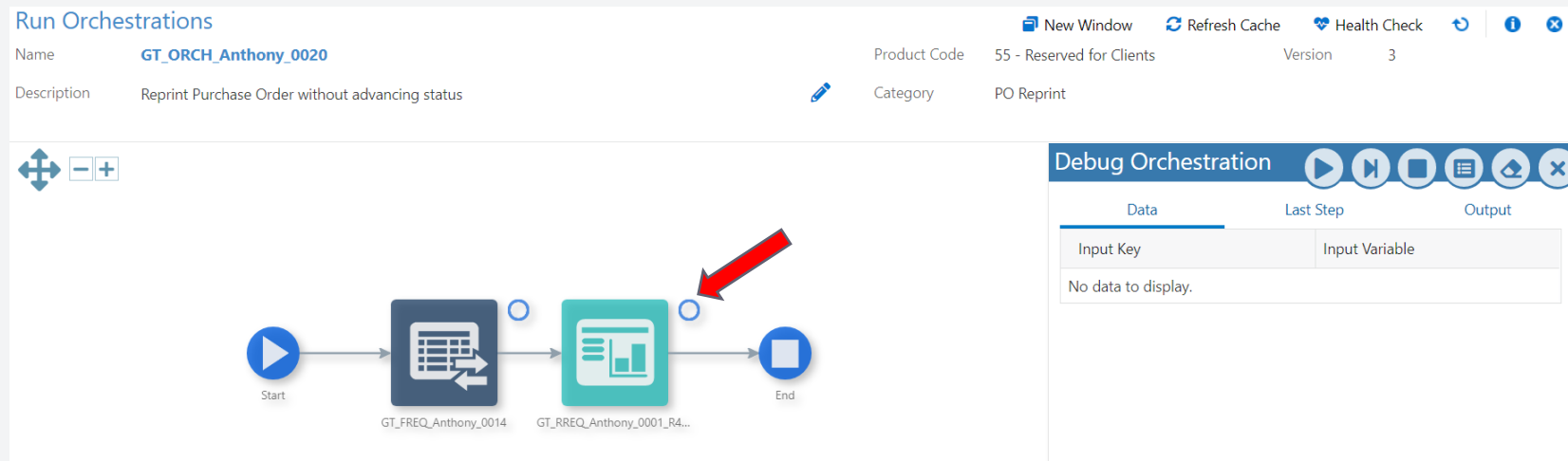
 Raw ☐ Send Blank Values  Clear  Debug  Run

Name	Value	
Or_Ty	OP	 
Order_Number	812	 

Debugging

In Orchestrator

- In the "Run Orchestrations" screen your Orchestration now appears with radio buttons above each component.
- These buttons can be turned on to set breakpoints



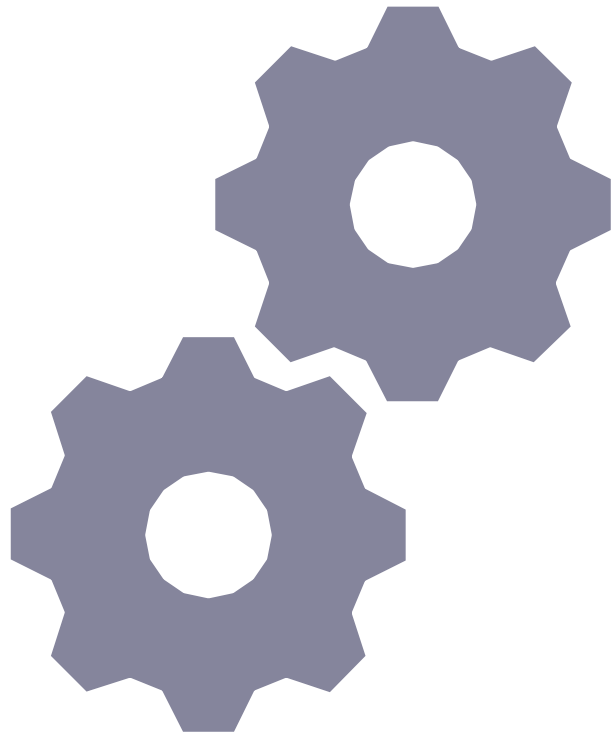
Debugging

In Orchestrator

- Once you set the break points you want to test click the "Run/Resume" button. Repeat to process through each step

The screenshot displays the JD Edwards INFOCUS Orchestrator interface. The main window shows a workflow diagram with the following steps: Start, GT_FREQ_Anthony_0014, GT_RREQ_Anthony_0001_R4..., and End. The step GT_RREQ_Anthony_0001_R4... is highlighted with a red glow. A red arrow points to the "Run/Resume" button in the "Debug Orchestration" panel on the right. The "Debug Orchestration" panel includes a table with the following data:

Data	
Input Key	Input Variable
GT_RREQ_Anthony_0001_R43...	
GT_RREQ_Anthony_0001_...	R43500
GT_RREQ_Anthony_0001_...	GTAP0001
GT_RREQ_Anthony_0001_...	4870
GT_RREQ_Anthony_0001_...	JDEENVENT
GT_FREQ_Anthony_0014	
Orchestration Inputs	
System Values	

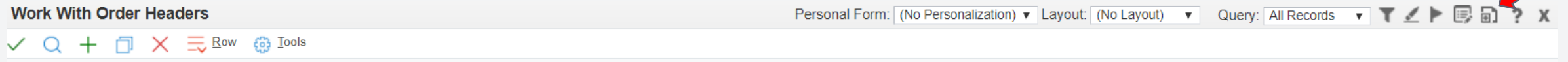


Form Extension Implementation

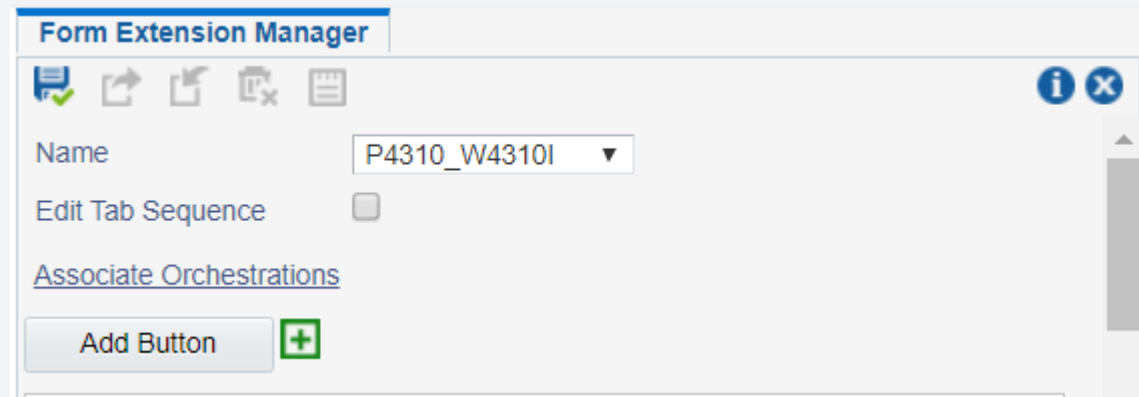
Add a Button via Form Extensions

In EnterpriseOne

- Go to P4310, click on the "Form Extension" button



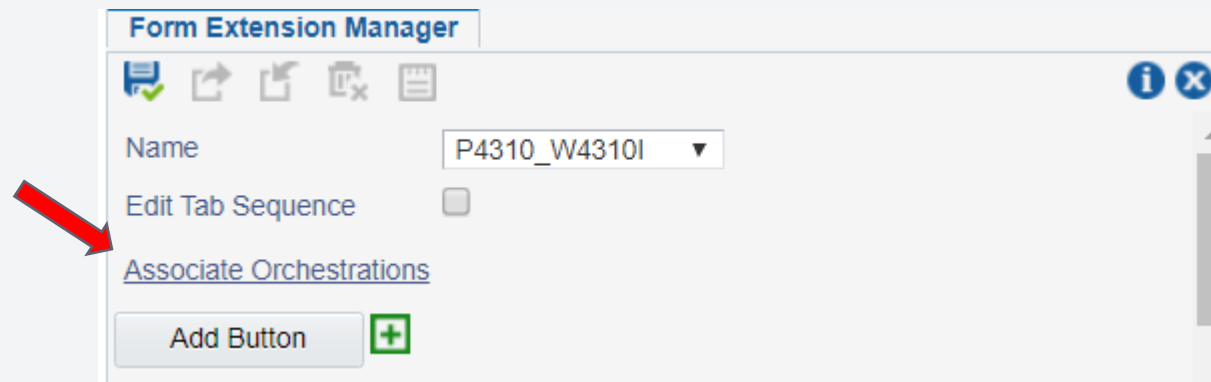
- Drag "Add Button" onto P4310 Form



Add a Button via Form Extensions

In EnterpriseOne

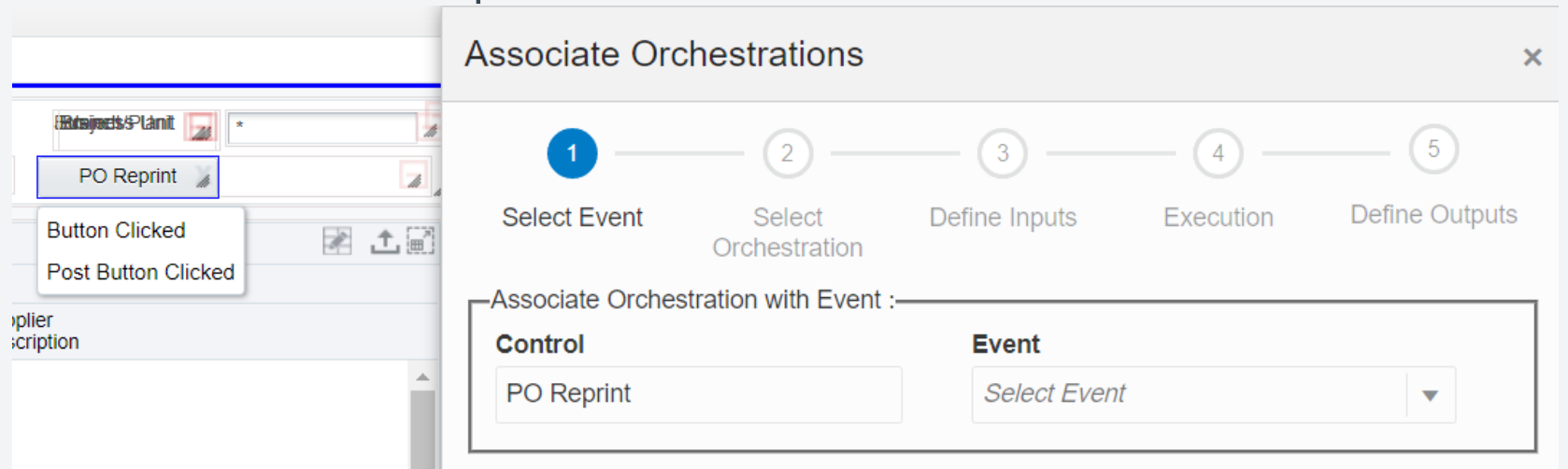
- Name your Form Extension Button – double-click to rename
- Click "Associate Orchestrations" in the Form Extension Manager pane



Add a Button via Form Extensions

In EnterpriseOne

- In the "Associate Orchestrations" window click in the "Control" field
- To select control click on the button we created.
 - choose the "Post Button Clicked" option
- Click "Next"



Add a Button via Form Extensions

In EnterpriseOne

- In the "Associate Orchestrations" window, Step 2 – Select Orchestration
- Choose the Orchestration we created
- Click "Next"

Associate Orchestrations

1 2 3 4 5

Select Event Select Orchestration Define Inputs Execution Define Outputs

Orchestration Name : GT_ORCH_Anthony_0020

Orchestration Description : Reprint Purchase Order without advancing status

Add a Button via Form Extensions

In EnterpriseOne

- In the "Associate Orchestrations" window, Step 3 – Define Inputs
- Click in the "Mapping Input" field for the "Or_Ty" variable
- Then select "Or_Ty" field in the grid, click the symbol under the name
- Repeat process for "Order_Number"
- Click "Next"

No records found.

Show All Columns

	Order Number	Quantity To Receive	UM	Service Quantity	Service UoM	Amount To Receive	Ship To

Associate Orchestrations

1 2 3 4 5

Select Event Select Orchestration Define Inputs Execution Define Outputs

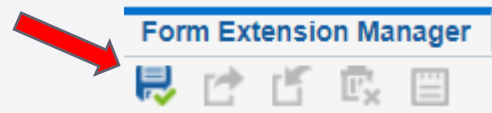
Define Inputs :

Name	Mapping Input	Default Value	Allow Empty
Or_Ty	OrTy	String	<input type="checkbox"/>
Order_Number	OrderNumber	String	<input type="checkbox"/>

Add a Button via Form Extensions

In EnterpriseOne

- In the "Associate Orchestrations" window, Step 4 – Execution
- Setup the Execution like below, common setup for this process
- Click "Next"
- Click "Save" in Step 5
- Click "Save" in Form Extension Manager then "X"

A screenshot of the 'Associate Orchestrations' window. The window has a title bar with a close button (X). Below the title bar is a progress bar with five steps: 'Select Event', 'Select Orchestration', 'Define Inputs', 'Execution' (highlighted with a blue circle and the number 4), and 'Define Outputs' (highlighted with a grey circle and the number 5). Below the progress bar is a section titled 'Execution :'. Inside this section, the 'Event' is 'Reprint PO - Post Button Clicked', the 'Orchestration Name' is 'GT_ORCH_Anthony_0020', and the 'Orchestration Description' is 'Reprint Purchase Order without advancing status'. There are two radio buttons: 'Execute Before Event' (unselected) and 'Execute After Event' (selected). Below these are four toggle switches: 'Run Synchronously' (selected), 'Hide Error' (unselected), 'Show Progress' (unselected), and 'Disable Form on Error' (unselected).

Add a Button via Form Extensions

In EnterpriseOne

- In P4310, find a purchase order and click the new button
- Report should be in your "Recent Reports"

Recent Reports

View Job Status

Purchase Order Print
(10/06/2020 13:03:20)

Work With Order Headers

✓ 🔍 + 📄 ✕ ⌵ Row ⚙️ Tools

Order Number * OP * Branch/Plant

Supplier

Records 1 - 1

	Order Number	Or Ty	Order Co	Supplier Number	Supplier Description
<input checked="" type="radio"/>	812	OP	00001		4343 Parts Emporium

P4310 Screen

In EnterpriseOne

- In P4310, find a purchase order and click the new button
- Report should be in your "Recent Reports"

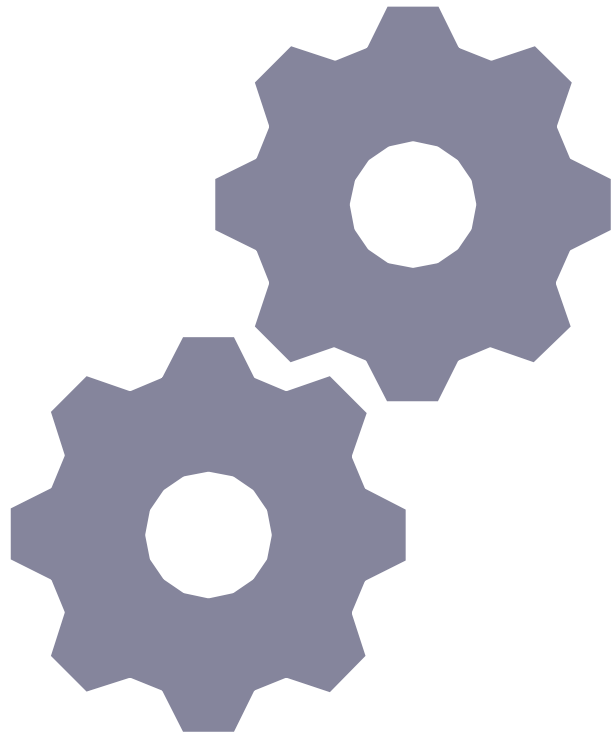
ORACLE® JD Edwards Anthony [JDV920]

Work With Order Headers Personal Form: (No Personalization) Layout: (No Layout) Query: All Records

Order Number * OP * Branch/Plant * Supplier Reprint PO

Records 1 - 1

Order Number	Or Ty	Order Co	Supplier Number	Supplier Description	Order Date	Ship To	Buyer	Supplier SO	Reference	Hd CD	Amount	Base Curr	Foreign Amount	Curr
812	OP	00001	4343	Parts Emporium	09/20/2016	6031					50,000,000.00	USD		USD



Summary

Summary

- TIP: Use recorder to record your process and/or help troubleshoot your orchestration
- TIP: Start with building the orchestration first then creating the components within the orchestration. Try not to create the components in a silo.
- TIP: Use category to help find the components when searching later.
- TIP: To define a variable use `${ variable name }`
- TIP: Think of variables like baskets that carry the data

Orchestrator Examples

1. Address Book Workflow
2. Fixed Asset Information Uploads
3. Automate Report Generation & Distribution
4. Import CSV & Update Master Data
5. Exchange Rate Import
6. Positive Pay Flat File Transmission
7. Multiple Batch Approval
8. Auto Substitute Sales Order Lines
9. Purchase Order Reprint
10. Work Center Error Notification
11. Export to Data Warehouse
12. Live Import from Excel: Address Book Records
13. Live Import from Excel: Load Journal Entries
14. Live Import from Excel: Pull G/L Range
15. Live Export from Excel: Price Check

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

Any Questions?



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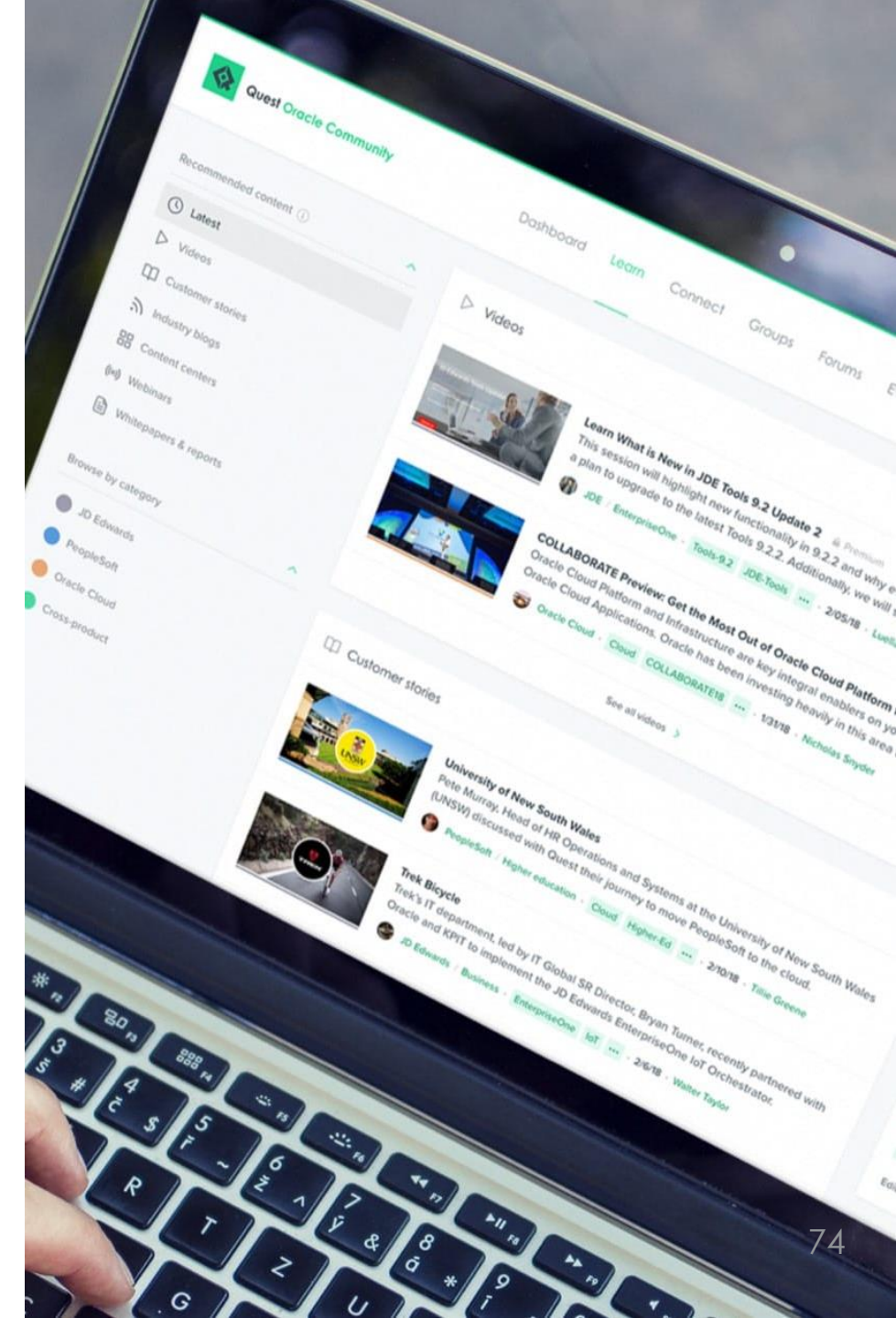
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JD Edwards

INFOCUS

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