

# Stateful Orchestrations

No More One-Hit Wonders –  
Make Your Orchestrations Stateful



# JD EDWARDS NORDIC CONFERENCE 2025

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September 30, 2025

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xperitus



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# Stateful Orchestrations

Warm up!



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# Stateful Orchestrations

This session introduces the concept of stateful orchestrations within the JD Edwards Orchestrator.



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# Stateful Orchestrations

What is it?

- + An orchestration with a pause step.
- + Processes with time gaps between.
- + The pause could be for a long period.

# Stateful Orchestrations

What is it? continued

- + Wait for humans or third-party systems to complete tasks.
- + Save all relevant orchestration data in the database.
- + Resume the orchestration where it paused or got an error.

# Stateful Orchestrations

What is it? continued

- + Building one orchestration for different processes.
- + Monitoring the process

# Stateful Orchestrations

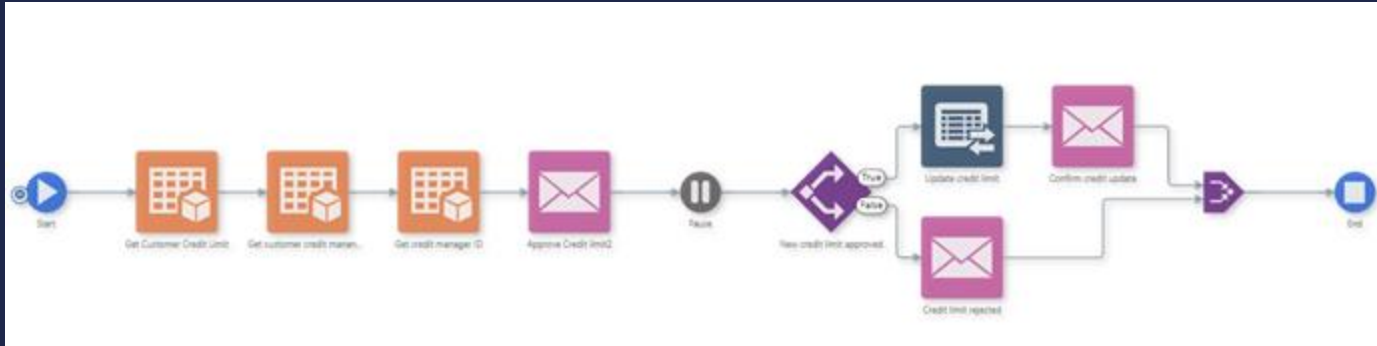
What makes an orchestration stateful?





# Stateful Orchestrations

## Scenario for demo

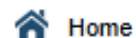


Demo

“New credit limit”



## ▼ Open Applications



Home

## ▼ Recent Reports



View Job Status

Recurring Journal Entry  
Compute & Print (2025/02/03 ...)Recurring Journal Entry  
Compute & Print (2025/02/03 ...)Out of Balance Post Error  
Report (2025/02/03 08:58:26)

## ▼ Favorites



Manage Favorites



Address Book



Foundation Calendar

General Accounting System  
Setup

Orders Awaiting Approval

O

## Administrative processes

[Request new credit limit](#)

## Message Center

Notification List

Work Center **141**

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Personal In Basket

159



Please review this requested credit limi

Actions



2025/02/19 07:16:38

Personal In Basket

New credit limit approved for Pacific Co

2025/02/18 15:41:20

Personal In Basket

Please review this requested credit limi

2025/02/18 15:40:14

Personal In Basket

Please review this requested credit limi

2025/02/18 15:40:14

Personal In Basket

New credit limit for Technology Systems

2025/02/18 09:39:56

Personal In Basket

### Please review this requested credit limi

Received: 2025/02/19 07:16:38

To: 211101@EnterpriseOneInternalMailbox,  
CC:

Hi,

Can we approve requested credit limit 19027 for customer Pacific Company, The?

Their current credit limit is 60005.

[Approve requested credit limit]

[Reject requested credit limit]

## Stateful Orchestrations

Personal Form: (No Pers



Stateful Orchestration ID

☐ Show Completed Instances

Records 1 - 10 &gt; &gt;

				!=COMPLETED			
<input type="checkbox"/>	Orchestration Name ↕	Version ↕	User ↕	Paused Step ↕	Stateful Instance Key	Start Date/Time ↕	Last U Date/T
<input type="checkbox"/>	Test update credit limit	5	FRMA	6		2025/02/18 10:46:00	20
<input type="checkbox"/>	Test update credit limit	4	FRMA	5		2025/02/18 08:48:03	20
<input type="checkbox"/>	Test update credit limit	1	FRMA	5		2025/02/17 12:54:48	20
<input type="checkbox"/>	Update credit limit	9	FRMA	1		2025/01/30 12:04:53	20
<input type="checkbox"/>	Update credit limit	9	FRMA	6		2025/01/30 11:48:00	20
<input type="checkbox"/>	Update credit limit	9	FRMA	5		2025/01/30 10:57:10	20
<input type="checkbox"/>	2 Update credit limit	7	FRMA	2.3		2025/01/30 10:46:31	20
<input type="checkbox"/>	Stateful_Orch_Credit_Limit_01	1	EMPE	4		2025/01/27 11:56:31	20
<input type="checkbox"/>	Stateful_Orch_Credit_Limit_01	1	EMPE	4		2025/01/21 15:13:41	20
<input type="checkbox"/>	2 Update credit limit	6	FRMA	2.3		2025/01/20 09:12:16	20



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2025/02/18 15:40:14

Personal In Basket

### New credit limit approved for Pacific Co

Received: 2025/02/19 07:23:53

To: 211101@EnterpriseOneInternalMailbox,  
CC:

Hi.

The new credit limit of 19027 for Pacific Company, The has been approved and implemented.

## Customer Master Revision

✓ ✕ ⚙ Form ⚙ Tools

Customer Number  Pacific Company, The

Request new Credit Limit

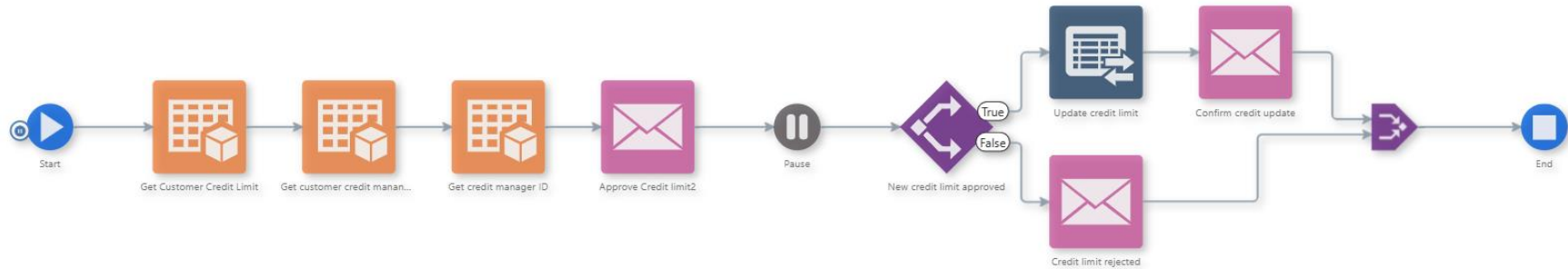
Long Address Number

Company

Invoices **Credit** Collection G / L Distribution Tax Information Customer Ship Notice EDI Information

Credit Limit	<input type="text" value="19.027,00"/>	Recall for Review Date	<input type="text"/>
Credit Manager	<input type="text" value="CR03"/> <i>Credit Manager 3</i>	Date of Last Credit Review	<input type="text" value="2025/02/19"/>
Credit Message	<input type="text"/>	Date Account Opened	<input type="text" value="2010/10/20"/>
Temporary Credit Message	<input type="text" value="7"/> <i>On Credit Hold per Accounting</i>		
Person Opening Account	<input type="text" value="BW5482707"/>	ABC Code Sales	<input type="text" value="C"/> <i>Grade C</i>
Last Reviewed By	<input type="text" value="FRMA"/>	ABC Code Margin	<input type="text" value="C"/> <i>Grade C</i>
Financial Stmts on Hand	<input type="text"/>	ABC Code Average Days	<input type="text" value="C"/> <i>Grade C</i>
Dun Bradstreet Date	<input type="text"/>		
TRW Date	<input type="text"/>		





# Stateful Orchestrations

Practical examples where this could be used

- + Approval flows
- + Third party interactions
- + Maintaining workflows

# Wrap up

Where do we go from here?



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Questions?

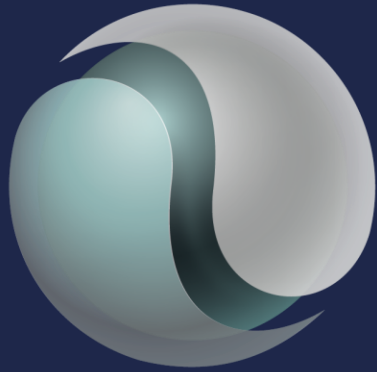


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# xperitus

ERP systems specialists