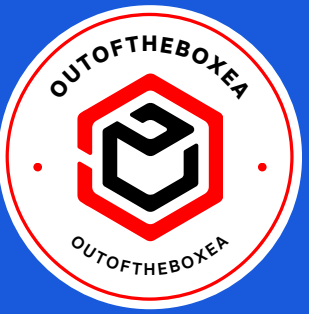


Presented By

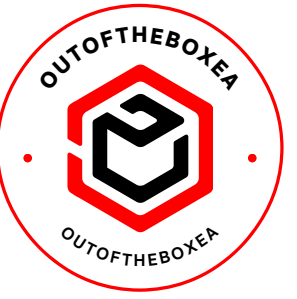


SAP CPI REALTIME EXAMPLE – 1

SOAP to Email – OTC – Order Confirmation Email



SCAN ME



BUSINESS REQUIREMENT: ORDER CONFIRMATION EMAIL

Description: In an e-commerce business, there is a need to send order confirmation emails to customers after they place an order. The integration scenario involves integrating the e-commerce platform with the company's email system to automatically generate and send order confirmation emails to customers. This email should also include Order Tracking Number. Please note that email should be sent only when the user opted for email notifications.

Rationale: By implementing this integration scenario, the e-commerce business can automate the process of sending order confirmation emails to customers, ensuring a smooth Order to Cash process and providing a better customer experience.



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HIGH LEVEL INTEGRATION FLOW



SCAN ME



SAP CPI TOPICS TO BE COVERED

- iFlow Design, Development, Deployment and Testing
- Palette Functions
 - Sender/Receiver Participants
 - Content Modifier
 - Router
 - Start and End Message Steps
- Adapters
 - SOAP
 - EMAIL



SCAN ME



SENDER DATA FORMAT

<OrderDetails>

<OrderNumber>12345</OrderNumber>

<OrderStatus>Shipped</OrderStatus>

<CustomerEmail>customer@example.com</CustomerEmail>

<CustomerName>John Doe</CustomerName>

<EmailNotificationFlag>true</EmailNotificationFlag>

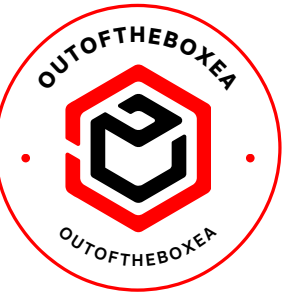
<OrderTrackingNumber>TN12345678900</OrderTrackingNumber>

</OrderDetails>



SCAN ME

RECEIVER EMAIL FORMAT



Subject: Order has been shipped

Body:

Dear Customer ,

You Order XXXXXX has been shipped. Your shipment arrive soon.

Your Tacking Number	XXXXXXXXXX
---------------------	------------

For further support please reach out to our customer support.

Regads,

OObEA Team.



SCAN ME

YOUR UNDERSTANDING OF SCENARIO 1



BDAT

B = Business
D = Data
A = Application
T = Technology
NFR = Non-Functional Requirements

Business Process	B	Order To Cash
Sub Process	B	Order Status Management
Sender System	B	e-commerce platform
Receiver System	B	End Customer
Sender Data Structure	D	Order Status
Receiver Data Structure	D	Notification Info (Order Number, Status, Email and Name)
Sender Adapter	A	SOAP
Receiver Adapter	A	MAIL
Source System Type	T	Java Application - support SOAP - HTTP outbound
Receiver System Type	T	SMTP Email Server
Integration Broker	T	SAP CPI
Mapping	NFR	1-1
Complexity	NFR	Simple
Data Volumes	NFR	1-1000 Orders/Day



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TOOLS NEEDED



- SAP CPI Integration Flow Editor (For iFlow Development, Testing and Monitoring)
- SAP BTP Cockpit (For Client Service Key)
- SOAP UI (Simulating Sender Participant)
- Email Account (gmail in this example)
- An undistracted mind :)



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IMPLEMENTATION STEPS

1

Sender Side Configuration (SOAP)

2

Receiver Side Configuration (EMAIL)

- Email App User Credentials Creation
- SMTP Credential Creation
- Certificates Management
- Customer email formatting

3

Integration Flow Development

- Content Modifier
- Router



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IMPLEMENTATION STEPS

4

Deploy and download WSDL

5

Preparing Sender Side Communication

- Create Service Key to communicate with SAP CPI
- SOAP UI Setup for Simulating Sender Participant
- Preparing the Message
- Sending the Message

6

Checking Logs in SAP CPI



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IMPLEMENTATION STEPS

7

Check and Confirm email Notification

8

Change Synch Communication To Asynch in SOAP Adapter



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ARTIFACTS NEEDED



- Source Structure (XML)
- Email Sample Format
- Sample XML message for SOAP UI



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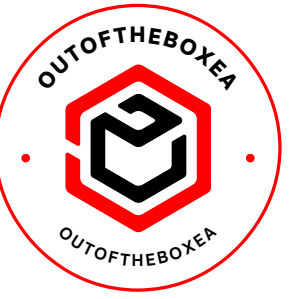
CHALLENGE FOR YOU

- There is a minor bug in this demo. Did you notice anything?

If you found the bug, let me in the comments section.



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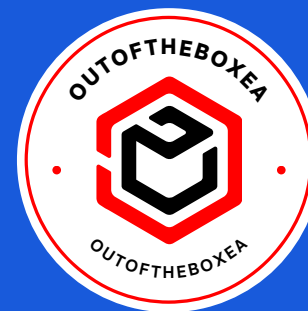


LINKS NEEDED FOR THIS DEMO

- <https://html-online.com/editor/>



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