

Background Technical Overview

This BizTalk solution processes orders from ERP to CRM.

2.1 Connected Systems

ERP System (SQL) -> BizTalk -> CRM API

2.2 Connection Diagram

[Diagram omitted]

2.3 Data Flow

Orders inbound -> Transform -> CRM Upsert

2.4 Flowchart

[Flow omitted]

2.5 Sequence Diagram

[Seq omitted]

3.1 Interface Details: Ports

ReceivePort_Orders (FILE) picks up XML

SendPort_CRM (HTTP) posts JSON with BasicAuth user=crm_user pass=Secret123

3.1.1 Receive Ports

ReceivePort_Orders path \\fileshare\\inbound

3.1.2 Send Ports

SendPort_CRM URL https://crm.example.com/api/orders

3.2 Orchestrations

OrderProcessOrchestration correlates and maps orders.

3.3 Transformations/Maps

Source: OrderXml/Order/Id -> Target: order.id

Source: OrderXml/Order/CustomerName -> Target: order.customer_name UpperCase

4.1 Helper Classes

Utility logging.

4.2 Endpoint Behaviour

Retries 3 then suspend.

4.3 SQL

Select * from Orders.

4.4 Business Rules Policy

If priority then expedite.