

Commerce – Configuration Considerations (CDX)

Dynamics 365 FastTrack
Architecture Insights

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Agenda

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- Overview
 - Implementation Considerations
 - Q&A

Overview



Channel Data eXchange

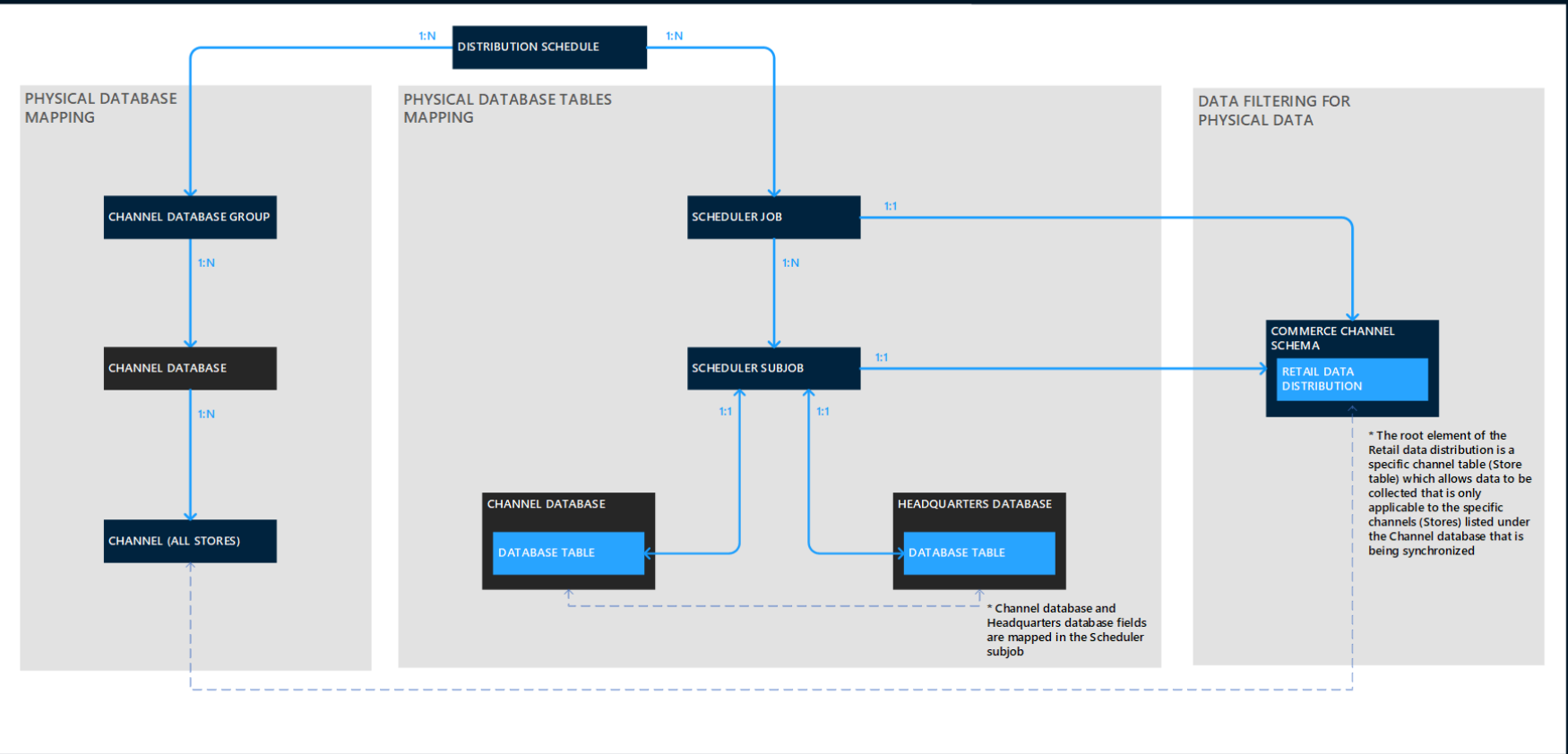


How it works



Dynamics 365 Commerce Commerce Data Exchange (CDX) Configuration Flow

HEADQUARTERS FORMS AND COMPONENT ASSOCIATION



LEGEND

DYNAMICS 365
COMMERCE FORM

DATA ASSOCIATION

DYNAMICS 365 PHYSICAL
COMPONENT

DYNAMICS 365 SUB-
COMPONENT OR FIELD



Implementation considerations

Scenario

Customer is implementing Commerce B&M for 500 Stores with offline enabled.

Currently they have completed pilot phase and starting the rollout.

They plan to have multiple CSU and they have few stores which are in remote area as well.

They have large Customer base and huge products & active discounts.

Design Considerations

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- **Channel Database group**
 - How many channel DB group
 - Segregation for offline and online channels
 - How manage offline channel DB
 - **Data Synchronization**
 - When to run full sync
 - When to run sync from Distribution schedule and from Channel DB
 - Field Length mismatch ([Pre-extended columns in the channel database - Commerce | Dynamics 365 | Microsoft Docs](#))
 - **Data Filtering**
 - Offline DB Filter
 - Table level filter (channel schema xml)
 - **Data Retention**
 - **Offline DB Compression**
 - **New workloads**

Channel Database grouping

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- How many channel DB group
 - Segregation for offline and online channels
 - How manage offline channel DB

Data Synchronization

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- When to run full sync
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 - New workload

Data Filtering

- Offline DB Filter
- Table level filter (channel schema xml)

Commerce channel schema

Name	Schema type
AX7	Dynamics 365 for Retail

Schema configuration

Data upload class name	Use previous version of Async Server	Data translation class name
RetailCDXDataUpload_AX7	<input type="radio"/> No	

Retail data distribution

Import Export

- Table="RetailStoreAddressBook"
 - LinkGroup
 - Link type="FieldMatch" fieldName="StoreRecId" parentFieldName="RecId"
 - Link type="FieldValue" fieldName="AddressBookType" fieldValue="RetailAddressBookType::Employee"
 - Table="DirAddressBook"
 - LinkGroup
 - Link type="FieldMatch" fieldName="RecId" parentFieldName="AddressBook"

Other Considerations

- Data Retention
- Clean up irrelevant Master

Standard view ▾

Commerce scheduler parameters

General

SQL command timeout in seconds	Try count
<input type="text" value="3600"/>	<input type="text" value="10"/>

History data

Retention period in days	Current batch job	Current batch status
<input type="text" value="30"/>	Retail Comme... Undefined	Waiting

Post database sync

Clean up irrelevant master data after s...

☒ Yes

Headquarters message database

SQL Server instance name	Server name	Database name
<input type="text"/>	<input type="text" value="retail.contoso.com"/>	<input type="text" value="AsyncServerHeadOffice"/>



Q&A

Thank you

