

OVERVIEW

Application Description

DemandX is a Data Exchange Interface between the JDEdwards Enterprise Resource Planning (JDE/ERP) software and Manhattan Associates Demand Planning & Replenishment (MA/DPR) software. MA/DPR is a demand forecasting and inventory replenishment system.

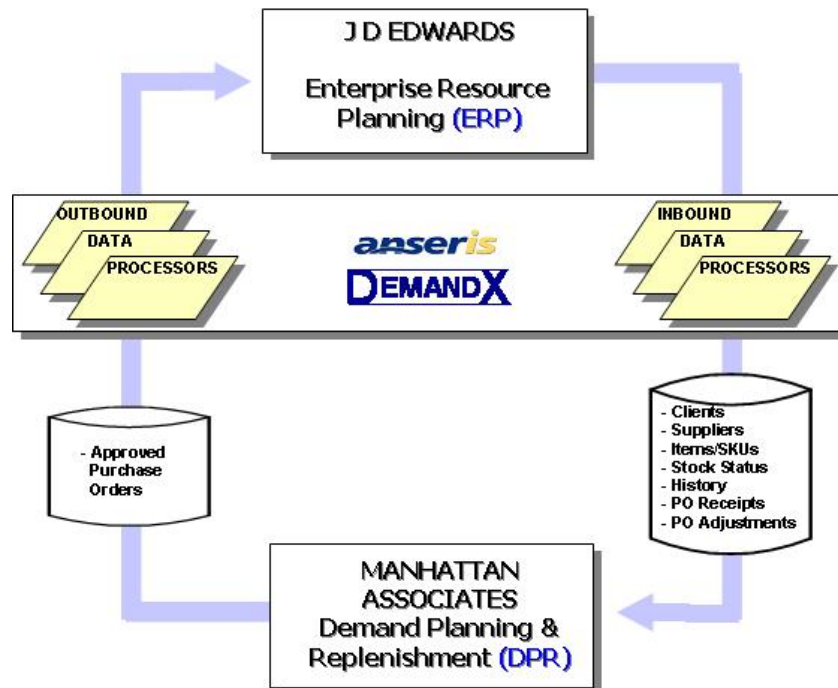
The DemandX Data Exchange Interface not only includes the capability to automatically transfer the required master data initially from the JDE/ERP host system to the MA/DPR database, but it also generates the daily transactions necessary between the two applications to support the demand forecasting and inventory replenishment functions and to keep both systems synchronized.

Application Flow

DemandX automatically retrieves the required master data from the JDE/ERP host application for the purpose of initializing and loading the MA/DPR database. This data includes information on clients, suppliers, items and SKUs, and sales history.

Once the MA/DPR application becomes operational, DemandX continues to process the flow of transactions that occurs between the two systems. DemandX generates interface transactions on a daily basis from JDE/ERP to MA/DPR reflecting any changes to the master data on clients, suppliers, items, and SKUs, as well as any purchase order adjustments and receipts.

The MA/DPR receives and processes these transactions nightly to make the necessary additions, changes, or deletions to MA/DPR database. It adjusts forecasts, order factors, and suggested order quantities. Suggested purchase orders are created, approved, and then sent to DemandX for interface back into the JDE/ERP purchasing application. DemandX receives the outbound PO transactions from MA/DPR and then generates new purchase orders in JDE/ERP.



DemandX Application Flow

INBOUND DATA PROCESSORS

As the name suggests, the Inbound Data Processors are a group of programs that retrieves data from the JDE/ERP host application and populates the necessary MA/DPR inbound interface files. MA/DPR then processes these files to make the necessary additions, changes, or deletions to its database. There are basically two types of these Inbound Data Processors:

- 1) Initial Data Load or Refresh programs
- 2) Daily Transaction programs

Initial Data Load or Refresh Programs:

These programs retrieve the required master data from the JDE/ERP host application and creates the necessary interface files to initialize or refresh the MA/DPR database. Included in this set of programs are:

<u>DX Pgm ID</u>	<u>Description</u>	<u>DPR Interface File</u>
1. PDXI1010	Load/Refresh MA/DPR Client data	X2ICLNT
2. PDXI1020	Load/Refresh MA/DPR Supplier data	XFISPLY
3. PDXI1031	Load/Refresh MA/DPR Client/Supplier Relations <i>(from the F4102-Branch/Plant Master)</i>	X2IRELT
4. PDXI1032	Load/Refresh MA/DPR Client/Supplier Relations <i>(from the F43090-Supplier Analysis File)</i>	X2IRELT
5. PDXI1210	Load/Refresh MA/DPR Item data	X2IITEM
6. PDXI1510	Load/Refresh MA/DPR Weekly History	X2IH1WK

Daily Transaction Programs:

These programs generate interface transactions on a daily basis from the JDE/ERP host system to MA/DPR that reflect any changes to the master data on clients, suppliers, stems, and SKUs; adjustments to purchase orders, purchase order receipts, and any non-MA/DPR purchase orders. Included in this set of programs are:

<u>DX Pgm ID</u>	<u>Description</u>	<u>DPR Interface File</u>
1. PDXI1520	Generate MA/DPR Sales History Maintenance	XFIHFIX
2. PDXI2010	Generate MA/DPR Stock Status Adjustments	XFISKU3
3. PDXI4010	Generate MA/DPR PO Receipts Data	XFIRCVA
4. PDXI4012	Generate MA/DPR PO Adjustment Data	XFIRCVA
5. PDXI4080	Generate Non-MA/DPR PO Header/Detail	XFIPOHD <i>(Header)</i> XFIPODT <i>(Detail)</i>

OUTBOUND DATA PROCESSORS

The Outbound Data Processors include programs that receive outbound transactions from MA/DPR such as Purchase Orders and updates them to the JDE/ERP system as follows:

<u>DX Pgm ID</u>	<u>Description</u>	<u>DPR Interface File</u>
1. PDXU4050	Process Approved MA/DPR Order Header and Detail records	X2OORH2 <i>(Header)</i> X2OORD2 <i>(Detail)</i>
2. PDXU4060	Process MA/DPR PO Adjustments	XFOPORC

DEMANDX DATABASE PROGRAMS

These programs are used by the customer to maintain specific DemandX application tables or files. They include:

<u>DX Pgm ID</u>	<u>Description</u>	<u>File</u>
1. PDXM0010	History Calendar Maintenance	FDX0010
2. PDXR0010	Print History Calendar	FDX0010