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## **JD Edwards EnterpriseOne**

### **Attribute Management Overview for Distribution and Manufacturing**



The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

# Agenda

- JDE E1 Attribute Management
- The Solution
- Feature Overview
- Summary



# JD Edwards EnterpriseOne

## Attribute Management

- ***Did you know?***

- JD Edwards EnterpriseOne is the only Oracle owned fully embedded ERP solution to support multi-attribute items for both distribution and manufacturing companies!

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## Attribute Management

- ***Addresses customer requirements which support the following characteristics:***
  - Distribution and manufacturing companies that offer a range of multi-attribute products – set of products that are available in a variety of styles, colors, sizes, collections, etc... that experience inefficient inventory visibility, time consuming item setup, and cumbersome transaction processing of sales orders, purchase orders, material planning, shop floor and inventory systems.
- ***Does your company distribute or manufacture multi-attribute products which encompasses particular styles, sizes or colors?***

# Examples of Multi-Attribute Products

## Across Industries



# Attribute Management

## Challenges

- **Different Products for Different Consumers**

- Apparel
  - Ready-to-wear
- Pulp & Paper
- Medical Devices
  - Pace Makers
  - Prosthetics
- Sporting Goods
- Electronics

- Consumers
  - Women
  - Men
  - Children
  - Etc...

# Realities of Multi-Attribute Products

## Large Number of Attributes to Manage

- Multi-attributes can result in item proliferation
  - Dimensionality, grade, basis weight, etc.
  - Increase number of products
  - Debate on what to call a product
    - (SKU vs. an attribute (one SKU or one million SKU's))
- General characteristics to be defined at top level of the structure
- General characteristics to be propagated to any item of the structure



# Collection Management

Many Items to be Managed

One single style... contained in many collections

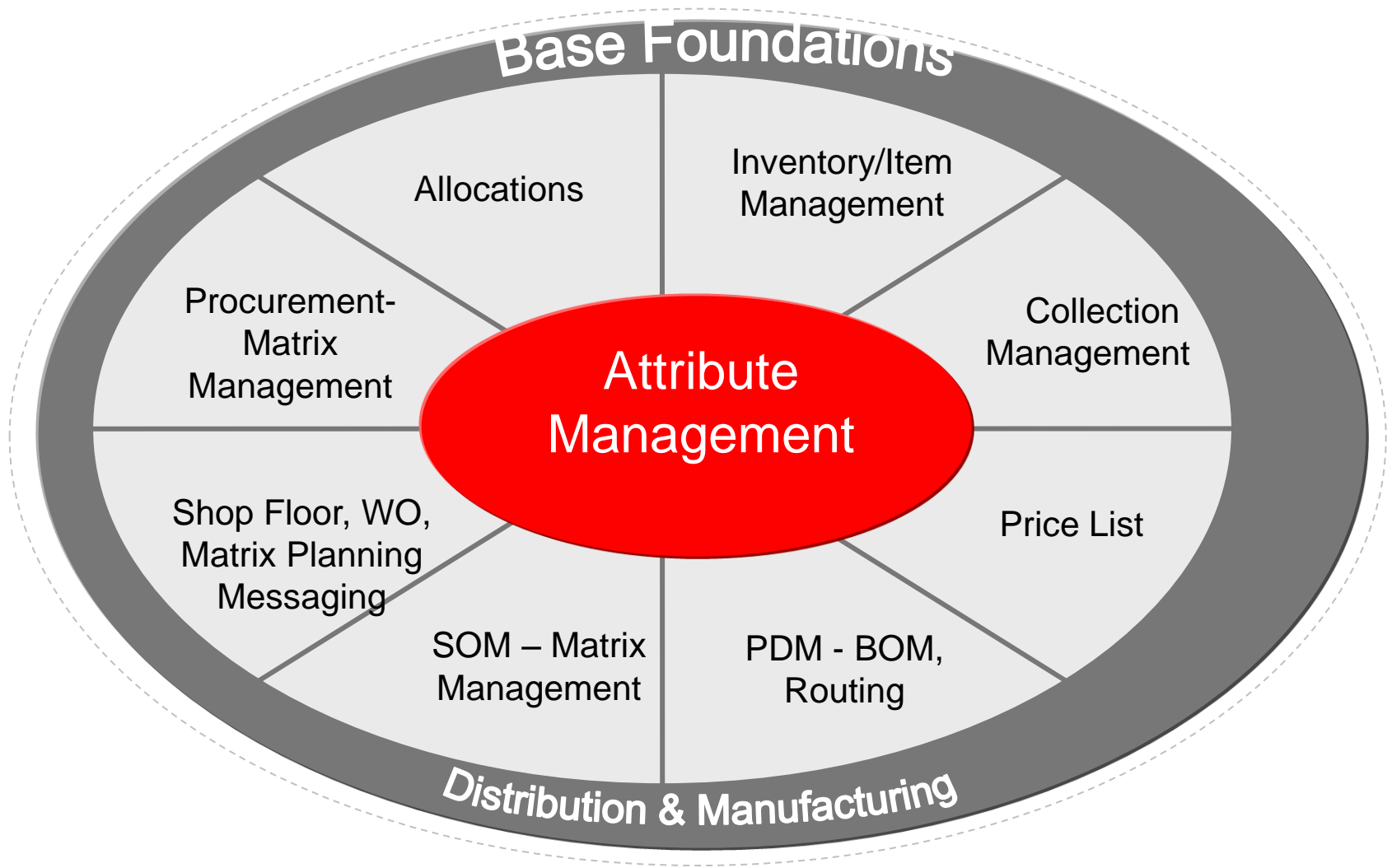


# The Solution

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# Attribute Management Overview

## Managing the Global Supply Chain



# Feature Overview

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## Attribute Management Features

- **Item Management**

- Style
- Label Management
- Composition Management
- Cleaning Codes
- Category Codes
- Size Management

- **Inventory Management**

- Matrix Visibility to the item structure
- Facilitate and preserve data consistency via inventory issues, adjustments and transfers

# Item Management

Different Levels for Different products

	Electronic Mouse	Paper	Prosthetics	Automotive Tires	Linens	Jeans
Level 1	Style	Type	Style	Pattern	Style	Style
Level 2	Color	Color	Material	Width	Variant	Fabric
Level 3	Size	Width	Color	Diameter	Color	Color
Level 4		Length	Size		Size	Variant
Level 5		Basis Weight	Width			Size
Level 6		Brightness				Length

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## Matrix - Item Availability Illustration

### Style Item Availability



Find Close Row Tools

Style Item Root Level 0 \*

SKIRTB1

Skirt f

Branch/Plant

324131

Tree View

Matrix View

Records 1 - 10

Customize Grid



	Level Name	Total Units	6	8	10	12	14
<input checked="" type="radio"/>	SKIRTB1 / Skirt for BPF1 - Quantity On Hand	5,250.00	850.0000	950.0000	1050.0000	1150.0000	1250.0000
<input type="radio"/>	BLK / Black - Quantity On Hand	375.00	25.0000	50.0000	75.0000	100.0000	125.0000
<input type="radio"/>	Quantity Available	375.00	25.0000	50.0000	75.0000	100.0000	125.0000
<input type="radio"/>	BLU / Blue - Quantity On Hand	1,000.00	150.0000	175.0000	200.0000	225.0000	250.0000
<input type="radio"/>	Quantity Available	1,000.00	150.0000	175.0000	200.0000	225.0000	250.0000
<input type="radio"/>	RD / Red - Quantity On Hand	1,625.00	275.0000	300.0000	325.0000	350.0000	375.0000
<input type="radio"/>	Quantity Available	1,625.00	275.0000	300.0000	325.0000	350.0000	375.0000
<input type="radio"/>	SLV / Silver - Quantity On Hand	2,250.00	400.0000	425.0000	450.0000	475.0000	500.0000
<input type="radio"/>	Quantity Available	2,250.00	400.0000	425.0000	450.0000	475.0000	500.0000

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## Attribute Management Features

- **Collection Management**
  - Coherent assortment of items
  - A collection is marketed during a limited period of time
  - Control Data consistency in:
    - Sales Orders
    - Purchase Orders
    - Work Orders
  - Manage Sales Prices by Season / Collection
  - A single item can belong to several collections at the same time



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## Attribute Management Features

- **Sales Order Entry**

- Matrix entry to reflect Customers Orders
- Matrix entry for multi attributes items
- Collection Management/Collection matrixes
- Automatic total quantity split by size

- **Sales Order Mass Maintenance**

- Update many orders at one time
  - Update Dates
    - Requested, Scheduled Pick, Promise Ship & Promise Delivery Dates
  - Cancel Orders (with reason code update)
  - Reset Commitments

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## Attribute Management Features

- **Sales Pricing**

- Validate equivalent items are sold at same price
- Linked to the Collection
- Defining the price for a style item at root level by:
  - Customer or Customer group
- Inheritance of price from root level to child items.
- Price exceptions can be set specific to a particular level like color, size etc.
- Sales price list is specific to Attribute Management and will populate data into JDE E1 Advanced Pricing.
- Mathematical Rounding and Price Point Rounding Supported

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## Attribute Management Features

- **Allocations**

- Dynamic order priority definition
  - Determine effective and efficient distribution of goods to be shipped
  - Consideration of factors like size preference, top/bottom management, color ratio satisfaction etc.
- Automatic shortage management
- Delivery constraints capabilities
- Proposals with manual or automatic validation
- Note: Allocations references current availability and does not consider incoming product that is not received.

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## Attribute Management Features

- **Procurement**

- Matrix entry to reflect Supplier Orders & Deliveries
- Collection Management
- Automatic total quantity split by size via:
  - Customer category code or
  - Item category code or
  - Combination of both
- Print purchase orders in a matrix format
- Ability to enter a Blanket Purchase Order for a style item (at any level) - without calling Matrix Entry
- Ability to release purchase orders at the end item/SKU level
- Style Item Supplier Price/Catalog

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## Attribute Management Features

- **Product Data Management**
  - **Bill of Materials**
    - Style Items use Discrete MFG Only
    - Creation of the style item root level 0 bill of material.
    - Generation of multi-level inheritance and exceptions.
    - Association of components based on attributes.
    - Definition of usage of quantities for the components based on sizes.
    - Copying bill of material.
    - You can create bills of material for child style items on demand or by batch.

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## Attribute Management Features

- **Product Data Management**
  - **Routing**
    - The routings for the lowest level child style items are copied from the style item root level 0.
      - Routing is the same for each multi-attribute of one Style Item
  - **Inheritance and Exceptions**
    - The system enables review and modification of child style item routings

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## Attribute Management Features

- **Product Data Management**
  - **Outsource Operations**
    - Automatic \*OP item creation and maintenance
    - Automatic BOM and Routing copy
      - Copy BOM from the Source Branch/Plant to the Target Branch/Plant
      - Copy Routing Instructions from the Source Branch/Plant to the Target Branch/Plant
    - Automatic Item Branch creation for Item and Components
    - Update Item Supplier and Country of Origin

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## Attribute Management Features

- **Material Planning – Matrix Management**
  - Determines availability of components to meet the requested demand
  - Allows the grouping of the same MRP messages into a particular work order in a matrix view
  - Allows for the splitting of MRP messages to be processed into a particular work order.
  - Allows the adjust of the work order quantity based on availability of components
  - Work Orders and Purchase Orders manage multiple items
  - Allows processing of items grouped for PO and WO generation
  - Matrix message addition and modification



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## Attribute Management Features

- **Material Analysis**

- Allows monitoring of Component / Material shortages
- Apply quantity changes to messages based on shortage calculation

- **Shop Floor Management**

- Matrix multi attribute items WO entry
- Master WO (Header / Detail WO)
- Collection Management
- WO status management from master to detail

# Summary

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# JD Edwards EnterpriseOne

## Attribute Management Features

- ***What does Attribute Mgt offer in the industry?***
  - Support of complex multi attribute products including the management and visibility to composition, cleaning codes, fabric label management, etc.
  - Collection Management allows to organize sales catalogs independently from the season of the products and to manage multiple collections simultaneously.
  - Matrix Management and visibility throughout the solution.
  - Powerful automated allocation management functions to best serve customers even in the event of shortage of stock.
  - Matrix multi attribute product work orders entry allows to link consumption to a master operation.
  - Robust PDM functionality that supports associations/usages and exception processing.

# Questions



**Thank you!**



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