
Inventory Management Tool Super User Guide

**Inventory Management
Tool 5.2
Rev 0**

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Chapter 1 Introduction

This chapter includes:

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Section 1: Overview

The Inventory Management (IM) Tool is a component of the Demand Management Suite and an add-on application of the Demand Management Engine (DME). This guide will teach you how to use the Inventory Management Tool so you can manage your inventory efficiently to decrease unnecessary expenses and increase ROI. The figure below is a depiction of the Demand Management Suite. Inventory

Management is one of the products of that suite. It works as an add-in component in the Demand Management Engine.

1-1: Inventory Management Tool Highlights

- Maximizes your profitability margin by gauging inventory levels and expenses.
- Manages inventory to meet forecasted demands.
- Establishes safety stock levels to meet unexpected demands.
- Maintains service levels.

1-2: Logging In

You can access the IM Tool by logging into the DME application. You must have a DME username and password to use the IM Tool and do not need a separate username and password. Please contact your

System Administrator if you forgot or do not have a username and password.

You can change your password in the Base Unit when you log in.

Table 1-1: Default Username and Password

Log In	Password
Username	fxadmin
Password	fxadmin

Note: *Usernames and passwords are case sensitive.*

1-3: Logging Out

If you would like to log out of the application, in the DME Viewer, click on File > Exit.

Section 2: User Groups

User groups and privileges are dependent upon permissions granted by the System Administrator. The System Administrator configures the Inventory Management Tool for individual users or user groups. Please contact your System Administrator if you have questions about your user privileges.

Section 3: Documentation Conventions

3-1: Text

The following table lists text conventions in this user guide.

Table 1-2: Text Convention Descriptions

Convention	Description
Text represented as a screen display.	This typeface represents displays that appear on your terminal screen, for example: <code>lom></code>
Text represented as menu or sub-menu names.	This typeface represents all menu and sub-menu names within procedures, for example: On the File menu, click New .

3-2: Screen Captures

The example screens in this guide may not represent what you see on your monitor; use them only as guidelines.

Section 4: Acronyms and Abbreviations

Table 1-3: Acronyms and Abbreviations used in this Manual

Term	Definition
DME	Demand Management Engine
IM Tool	Inventory Management Tool
DRP	Demand Replenishment Planning
BOM	Bill of Materials
PO	Purchase Order
UOM	Unit of Measurement

Section 5: Software License; Intellectual Property

5-1: Preamble

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Section 7: Revision History

Rev	Date	Author	Reason For Changes
0	9/2006	HDB	Initial release for Inventory Management Tool 3.0

Chapter 2 Installation

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Section 1: Overview

The IM Tool is an add-on of the DME; you must have DME installed on your computer in order to install the IM Tool. After the installation is complete, the Inventory tab displays in the Viewer and the IM Tool icons are enabled. Please see [“IM Tool at a Glance” on page 74](#) for additional information.

The IM Tool consists of five components. The Installation Wizards for each component launch automatically and chronologically when you begin the installation process. Each component is installed on either the client or server.

Table 2-1: Inventory Management Tool Components

Component	Description	Installed on
Admin Tool	Creates inventory management configurations.	Client
Inventory Bridge Deployment	Enables you to run the IM Tool from the Viewer.	Client
Inventory Runner (Standard)	Also known as Calculations. Enables you to run inventory calculations. ■ Please note that the Inventory Runner is installed in a separate folder from the other components.	Server
Database Upgrade	DB Administration Tool for IM Tool enables you to upgrade the database automatically, as well as provide information for the DB and the directory for the Inventory Runner.	Server
PO Launcher	Enables you to submit POs based upon Inventory results.	Client

Table 2-1: Inventory Management Tool Components

Component	Description	Installed on
Safety Stock Simulator	Enables you to determine optimum safety stock levels.	Client

Section 2: Requirements

As mentioned above, the installation process for the IM Tool is automated. However, there are certain hardware and software requirements necessary to ensure the application installs successfully.

2-1: Hardware

The list below details the required hardware to install the IM Tool.

Table 2-2: Hardware Requirements

Hardware	Minimum	Recommended
CPU	Pentium 3 - 700 MHZ	Pentium 4 - 2.0 GHZ Pentium M - 1.2 GHZ
RAM	256 MB	512 MB
Hard Disk	50 MB	100 MB

2-2: Software Media

The list below details the required software to install the IM Tool.

- Inventory Management Module 5.2 CD
- Demand Management Engine 4.5 CD
- Windows 2000/2003/XP

- .NET 2.0
- ADO 2.8
- Installer 3.1

Note: *You can download and install .NET 2.0, ADO 2.8, and Installer 3.1 from www.microsoft.com.*

Section 3: Installation Process

The following sections detail how to install the IM Tool.

3-1: Prerequisites

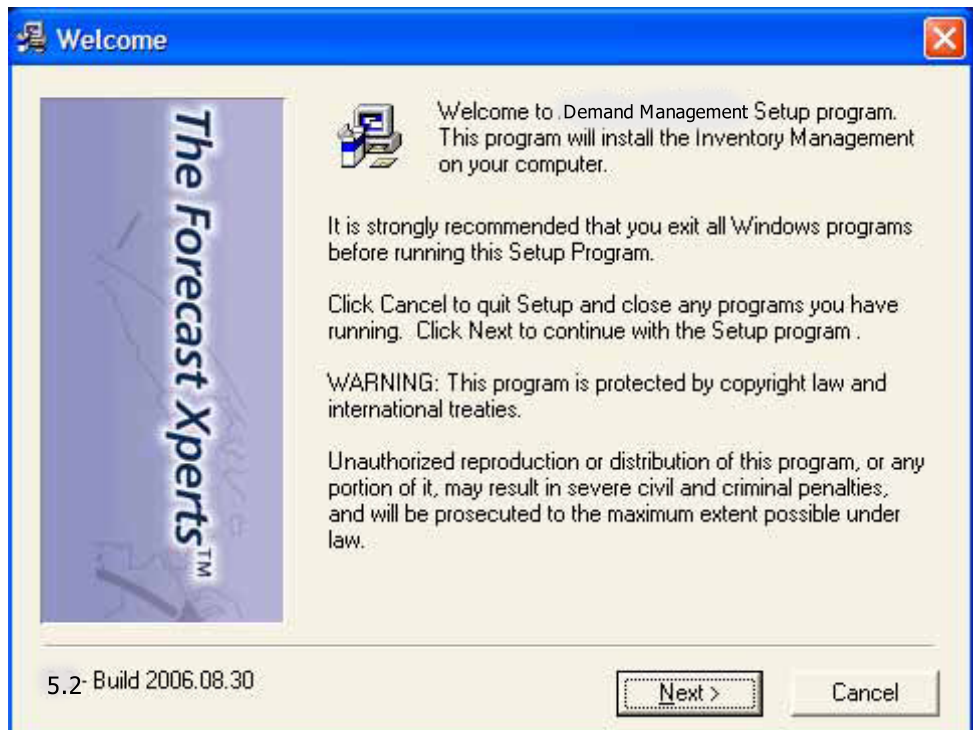
The list below details the prerequisites prior to beginning the installation.

- Demand Management Engine installed.
- A Living Master Scenario (or a default DTL Scenario).

3-2: Installing the Inventory Management Tool

1. Insert the Inventory Management Module 5.2 CD into the CD drive.
2. Click on SetupInventory.exe.

The Demand Management Suite Setup Welcome window displays.



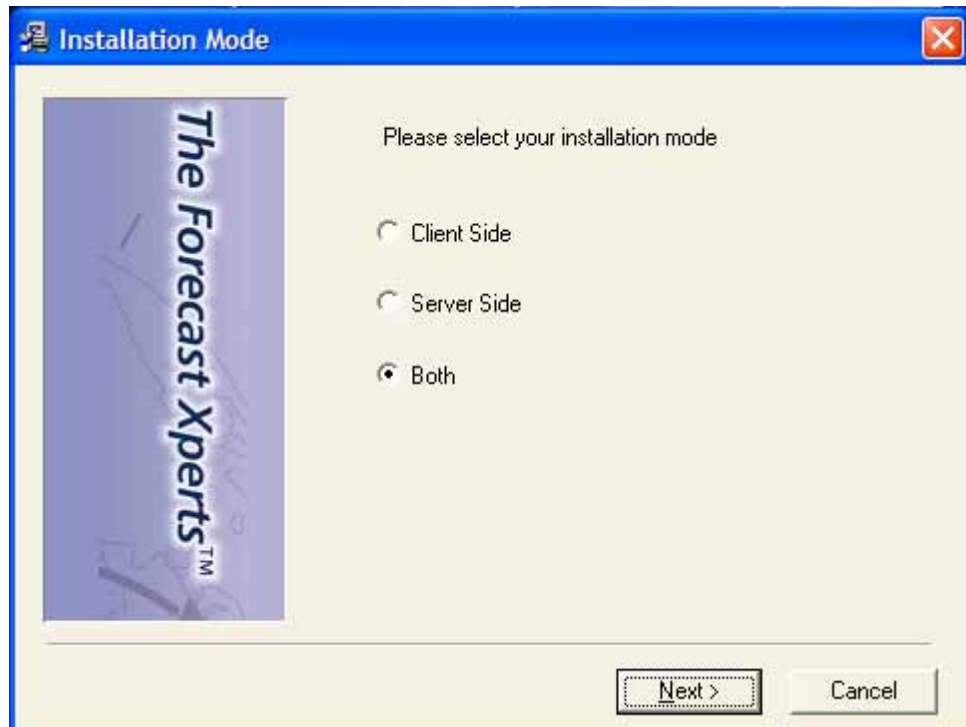
3. Click Next.

The License Agreement window displays.



4. Click I Agree.

The Installation Mode window displays.

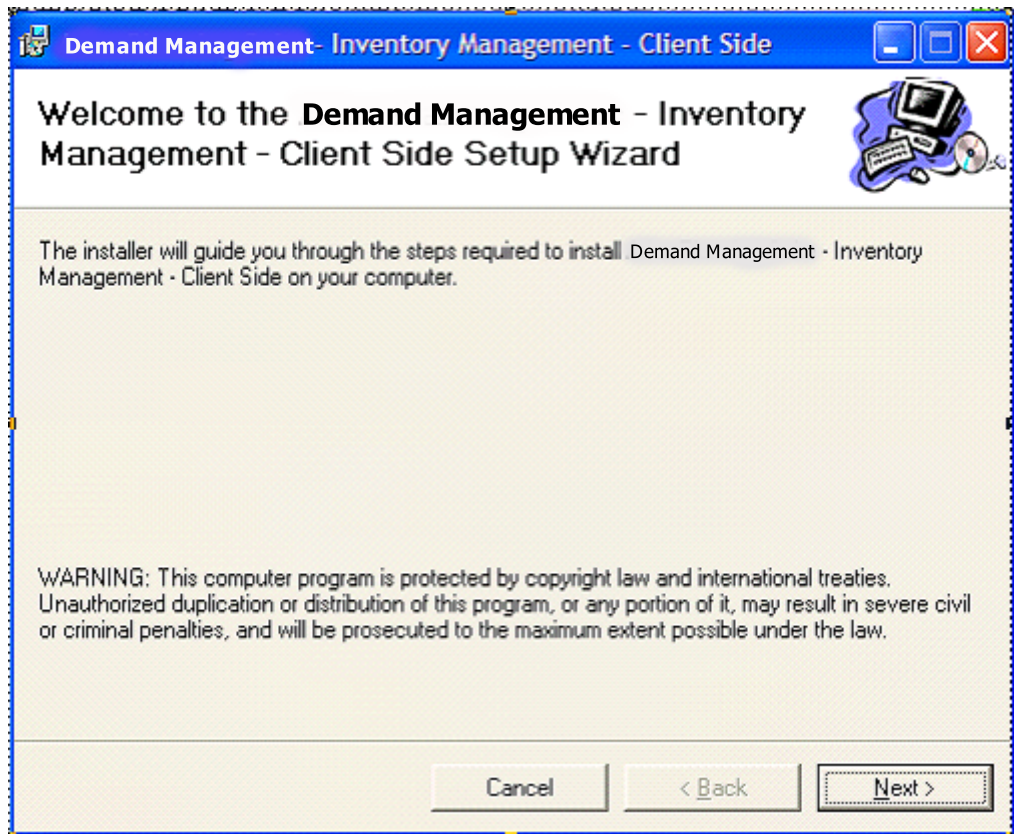


5. Select how you would like the IM Tool to be installed. If the server is on the client machine, then install both. If the server is on a separate machine, then install the server side first and then install the client side on each user's computer.

It is recommended that you install both the client and server components.

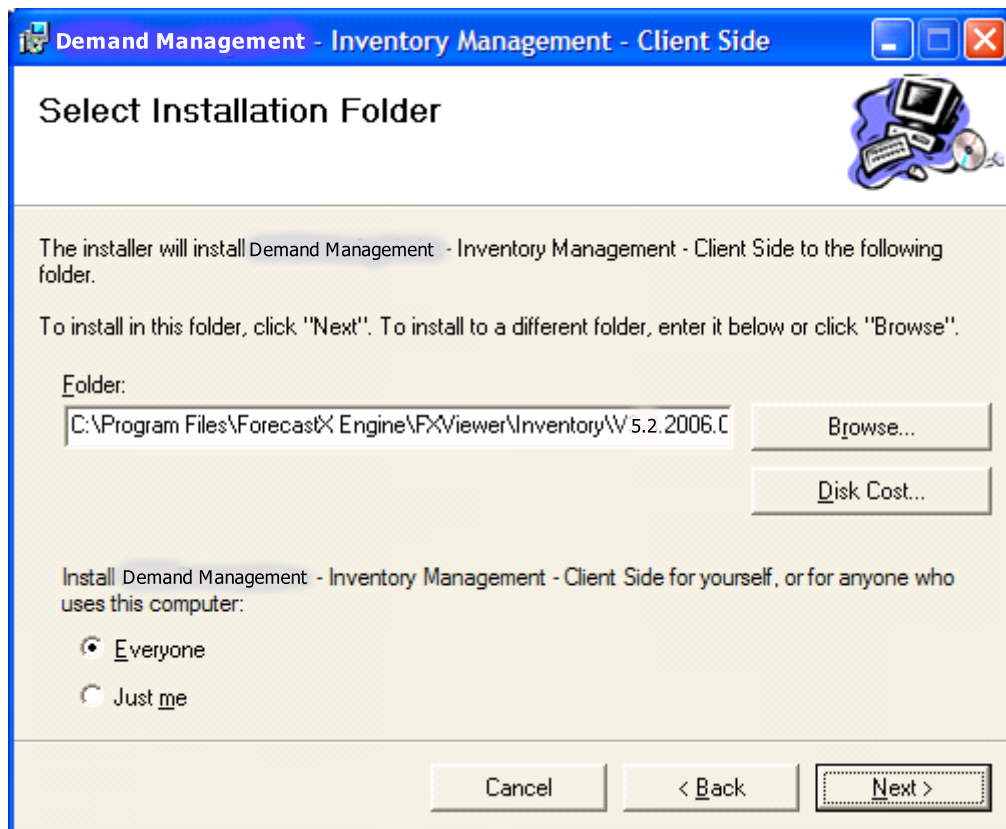
6. Click Next.

The Client Side Setup Wizard window displays. The application prepares to install the client.



7. Click Next.

The Select Installation Folder for the client displays.



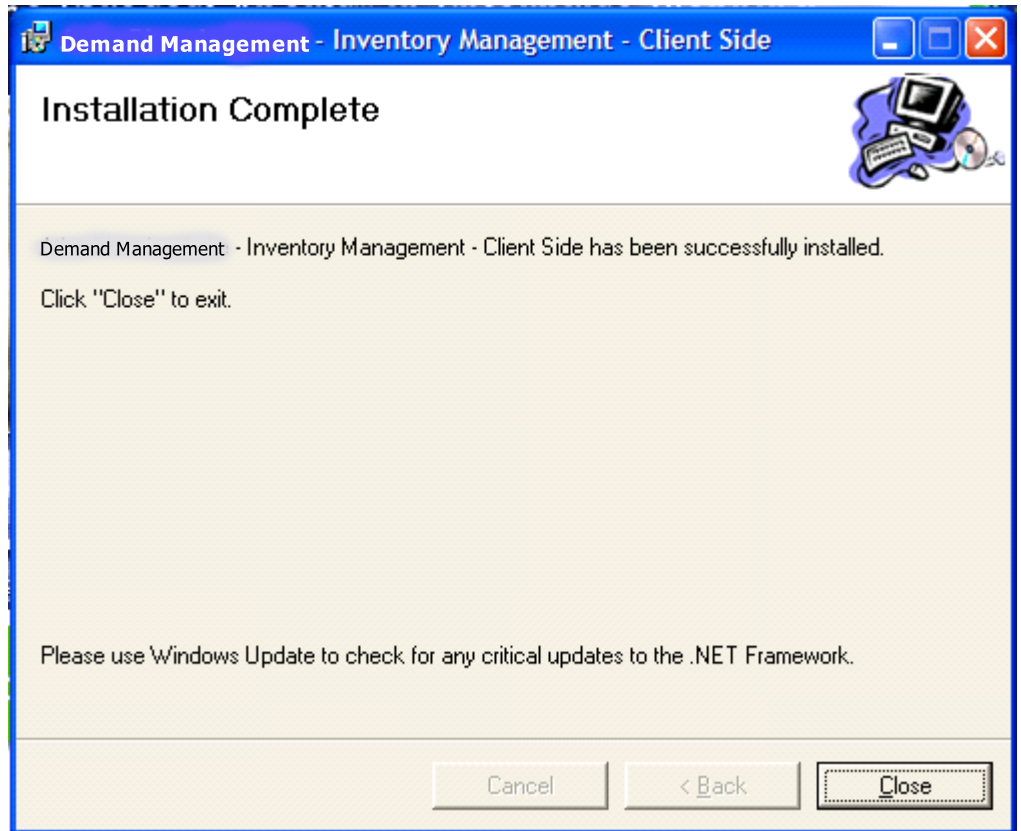
8. By default, the application installs itself in the directory shown above. To choose a different location, click Browse.
 - To view the disk space available on your computer, click on Disk Cost.
 - Select Everyone to allow anyone to access the IM Tool from your computer or Just Me to allow only yourself access.
9. Click Next.

The Confirm Installation window displays.



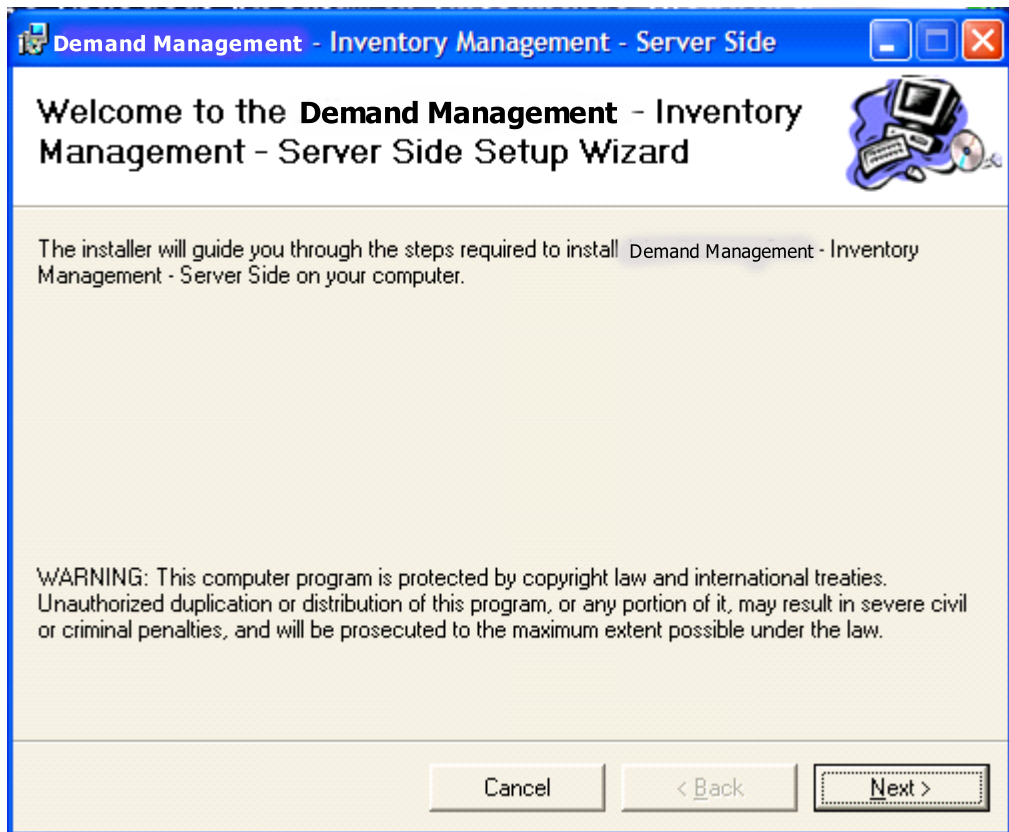
10. Click Next.

The Installation Wizard finishes installing the client and the Installation Complete window displays.



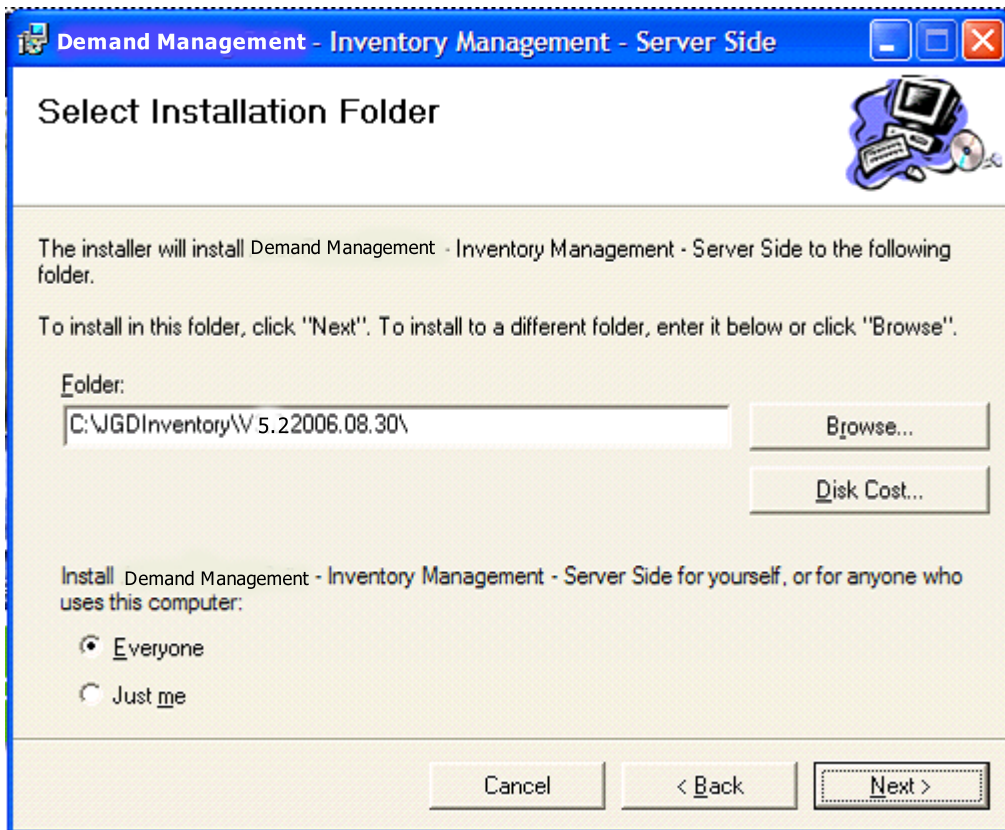
11. Click Close when finished.

The client has been installed successfully. The Server Side Setup Wizard window displays. The application prepares to install the server.



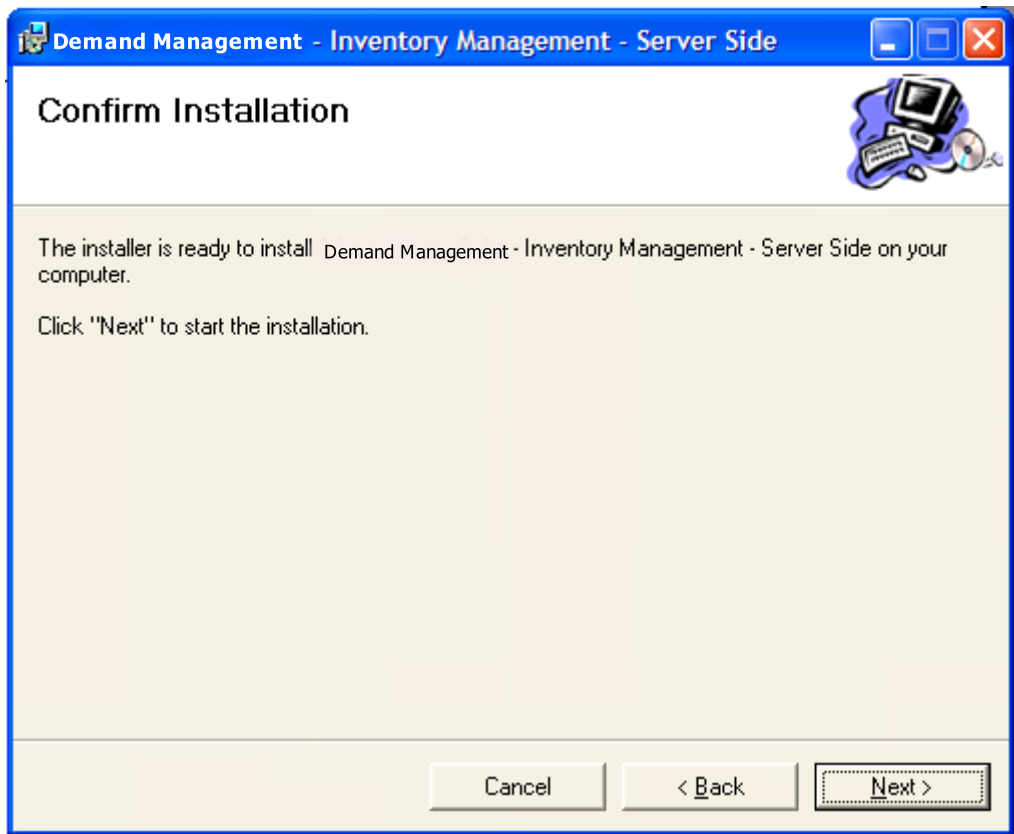
12. Click Next.

The Select Installation Folder for the server displays.



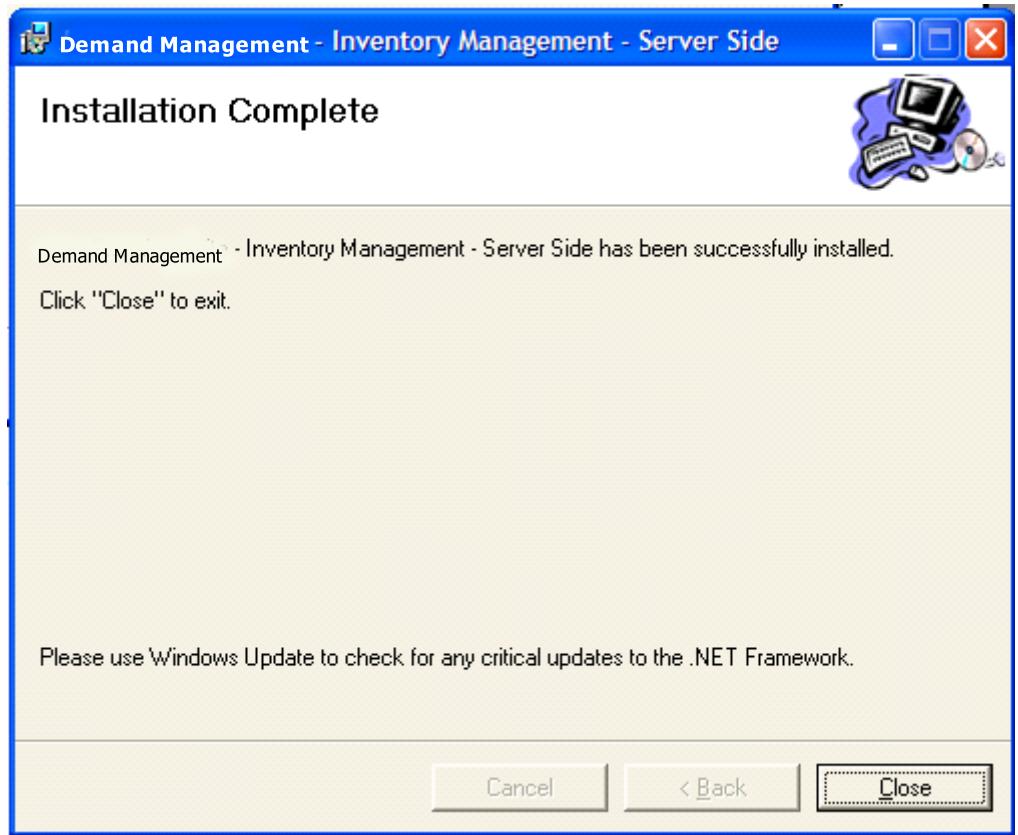
13. By default, the application installs itself into the shown directory in the illustration above. To choose a different location, click Browse.
 - To view the disk space available on your computer, click on Disk Cost.
 - Select Everyone to allow anyone to access the IM Tool from your computer or Just Me to allow only yourself access.
14. Click Next.

The Confirm Installation window displays.



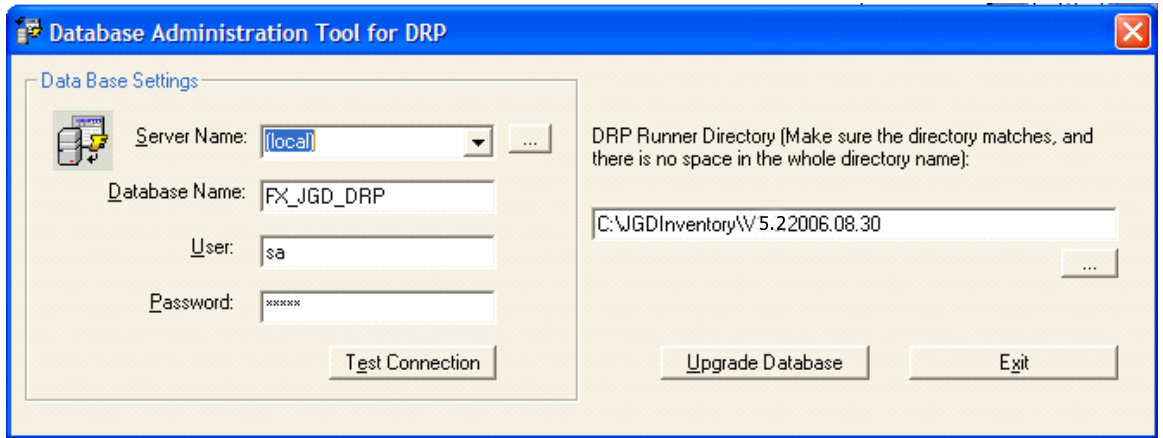
15. Click Next.

The Installation Wizard finishes installing the server and the Installation Complete window displays. The Inventory Management Tool icons are now enabled.



16. Click Close when finished.

The client has been installed successfully and the Database Administration Tool for DRP window displays.

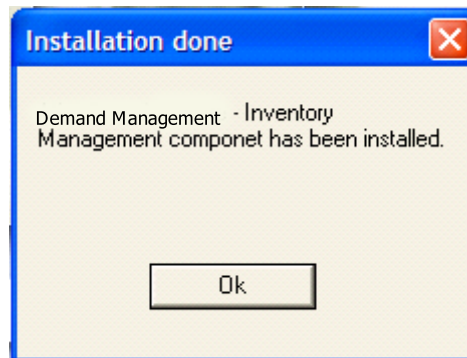


17. Select a name for the server in the Server Name drop down box and type in a name for the database in the Database Name text box. Use the SQL Server Username and Password. Click Upgrade Database if you want to perform an upgrade the database.

Note: *Upgrading the database resets all the tables related to the DRP. To ensure data is not lost, you must remember to backup your tables.*

18. Click Exit if you do not want to change any configurations.

The IM Tool has been installed when the Installation done window displays.



3-3: Inventory Management Tool Functional Check

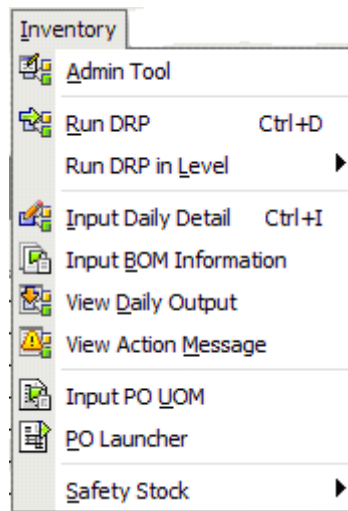
After you have gone through the installation process, you should check to see if the IM Tool has been installed successfully.

1. Log into the Viewer.

Start > All Programs > Demand Management Suite > Demand Management Engine > Viewer.

2. Check to see if Inventory is listed at the top of the toolbar with all of its features accessible.

The table depiction below lists all of the IM Tool features.



You are now ready to configure the IM Tool for users; this is discussed in [Chapter 3 Configuration](#).

Chapter 3 Configuration

This chapter includes:

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Section 1: Overview

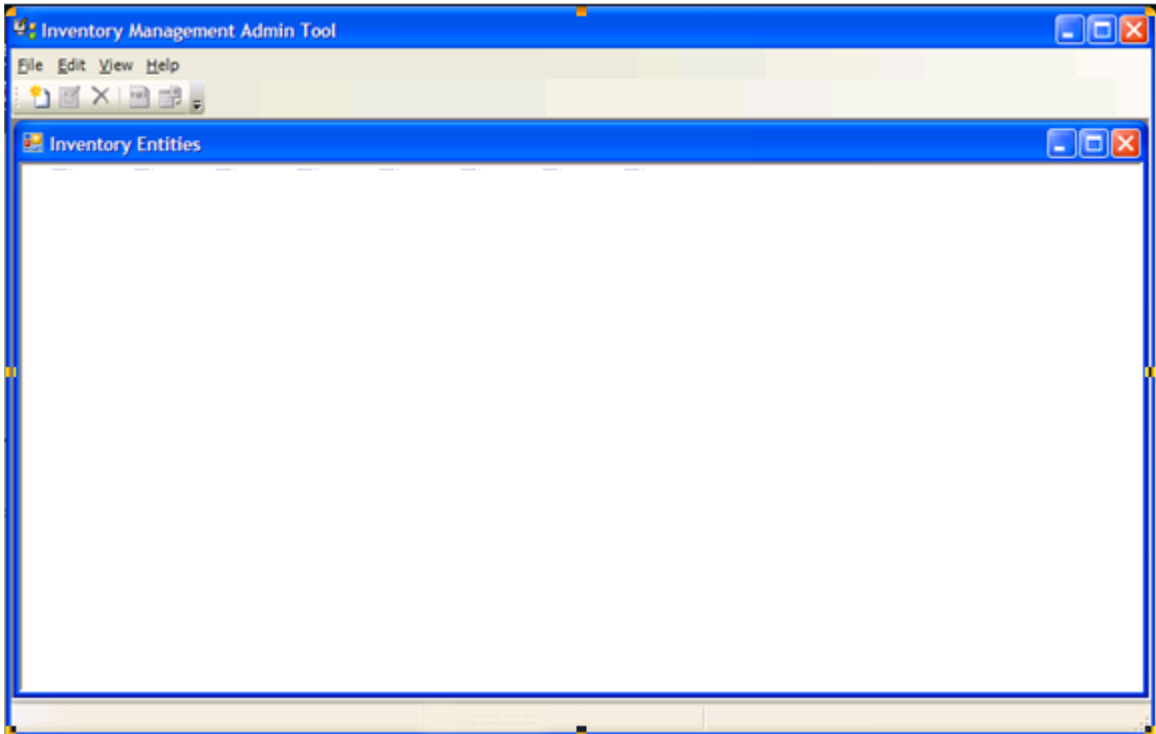
The IM Admin Tool enables you to use the Forecast feature as a demand baseline in order to determine Recommended Orders and calculate inventory positions. However, before users can use the application, you must create an Entity and assign it to a Scenario.


Section 2: Creating an Entity

An entity is a specific collection of specifications for inventory management. You can create an entity in the Viewer of the DME.

1. Log into Demand Management Engine and go to Viewer > Inventory > Admin Tool.

The Inventory Management Admin Tool displays, as well as the Inventory Entities window.



2. Go to Edit > Create. Alternatively, you can click on the  icon on the toolbar.

The Inventory Entity Creation window displays with the Time Level screen.

Inventory Entity creation

Time Level
Select the time level of your forecast. Specify as well if the DRP calculation needs to calculate daily information.

Time Level

Monthly Weekly Daily Custom

Number of cycles

12

Calculate daily DRP

Yes No

< Back Next > Cancel

3. The Time Level chooses which level the Forecast is run. The default setting is Monthly. If you would like to change the time increments, select Weekly or Daily. The Number of cycles area is greyed unless you choose Custom, which enables you to determine the number of cycles per year.

Calculate daily DRP determines the level of DRP Output. Click Yes if you would like the DRP to run at the Daily Level; No if you want the DRP to run at the same level as the Forecast.

Note: *For the DRP to execute properly, Entity Time Level and Scenario Time Level need to match.*

Note: *Daily DRP must be configured in order to enable BOM Support and PO Launcher capabilities.*

The DRP Integration window displays.

Inventory Entity creation

DRP Integration
 DRP can be integrated with external data repositories. You can specify if DRP will read external daily input data, or if DRP will store output daily data into an external table.

Input additional daily opinion line
 Yes No

Output daily opinion line
 Yes No

DRP Link Field
 Description

External Tables
 Calendar Table: DRPCalendar
 Input Table: DRPInput
 Output Table: DRPOutput

< Back Next > Cancel

4. Select Yes in the Input additional daily opinion line if you have additional daily opinion lines to use; the default setting is No.

If you do not want to export the output, click No in Output daily opinion line option; the default setting is Yes.

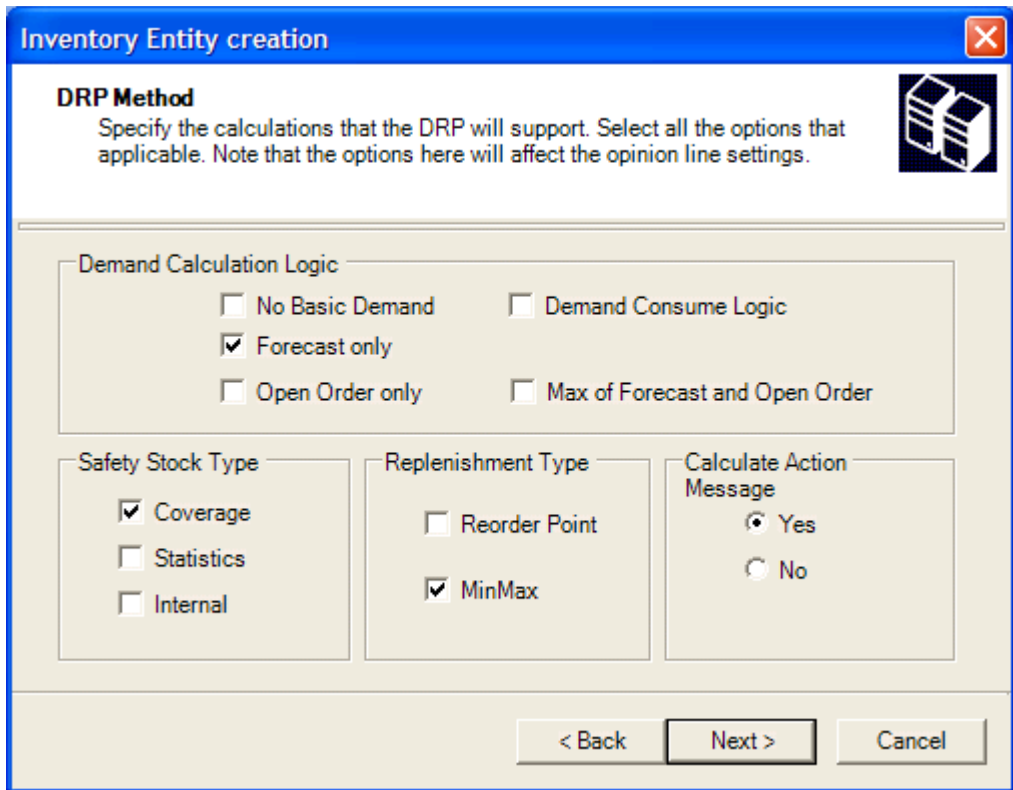
In DRP Link Field, choose the mapping field between the input table and Series table. If you would like to change the linked field settings, you can select a different link from the list in DRP Link Field; this feature links input/output to the Forecast.

The External Tables are predefined.

Note: *If you are not running a Daily DRP, then these options are disabled.*

5. Click Next.

The DRP Method window displays.



- The DRP Method measures inventory needed beyond open orders. To choose the default settings, click Next. If not, select the calculations that you would like configured for your new entity. The table below depicts how each calculation can be configured.

Table 3-1: DRP Method Calculations

Calculation	Description
Demand Calculation Logic	Determines which type of calculation can be used. Can be configured for a specific series.
Safety Stock Type	Used as a buffer for inventory. Each selection determines when the forecast alerts you when stock needs to be replenished.

Table 3-1: DRP Method Calculations

Calculation	Description
Replenishment Type	Determines when recommended order should be released.
Calculate Action Message	Reviews existing orders and current inventory to give proper action message.

The following tables provide more detailed information about the DRP Method Calculations.

Demand Calculation Logic	Description
No Basic Demand	Demand is not calculated and the input is added manually.
Forecast only	Uses Forecast and is the default demand type.
Open Order only	Uses Open Orders to calculate demand.
Demand Consume Logic	Uses the maximum Forecast minus history and Open Orders.
Max of Forecast and Open Order	Uses Forecast or Open Order, whichever is higher, for each period.

Safety Stock Type	Description
Coverage	Based upon the number of periods covered. If Safety Stock needs to cover two periods, the input is 2. Coverage is in addition to Replenishment.
Statistics	Calculates a Safety Stock based upon the stability of the Forecast.

Safety Stock Type	Description
--------------------------	--------------------

Internal	Manual input of the Safety Stock that disregards any calculations.
----------	--

Replenishment Type	Description
---------------------------	--------------------

Reorder Point	If the amount of stock is below a certain amount, the application reorders the stock. Generally used for lower volume items.
---------------	--

MinMax	Calculates when to order inventory so that levels always remain between the previously set minimum and maximum range.
--------	---

Calculate Action Message	Description
---------------------------------	--------------------

Yes	Notifies you if an existing order needs to be cancelled or expedited.
-----	---

No	Does not notify you if an existing order needs to be cancelled or expedited.
----	--

The BOM Support window displays.

The screenshot shows a window titled "Inventory Entity - daily2" with a close button in the top right corner. The window contains the following elements:

- BOM Support** section with a sub-header and a descriptive paragraph: "DRP calculation can consider BOM information also. Configure here BOM settings. Please be sure to populate DRPBom table." A small icon of a warehouse is visible to the right.
- A section titled "Support BOM in DRP?" with two radio buttons: "Yes" (selected) and "No".
- A section titled "BOM Configuration" containing:
 - Table: BOMTable (dropdown)
 - Link Field: Description (dropdown)
 - Order Field: Metric01 (dropdown)
 - Use Series Link Field 1: (checkbox)
 - FundType: FundType (dropdown)
 - Use Series Link Field 2: (checkbox)
 - FundGroup: FundGroup (dropdown)
- A note at the bottom of the configuration section: "For custom BOM DRP behavior, change BOM relative stored procedures: uspDRPResetDependDmd, uspDRPCalDependDmd."
- Navigation buttons at the bottom: "< Back", "Next >", and "Cancel".

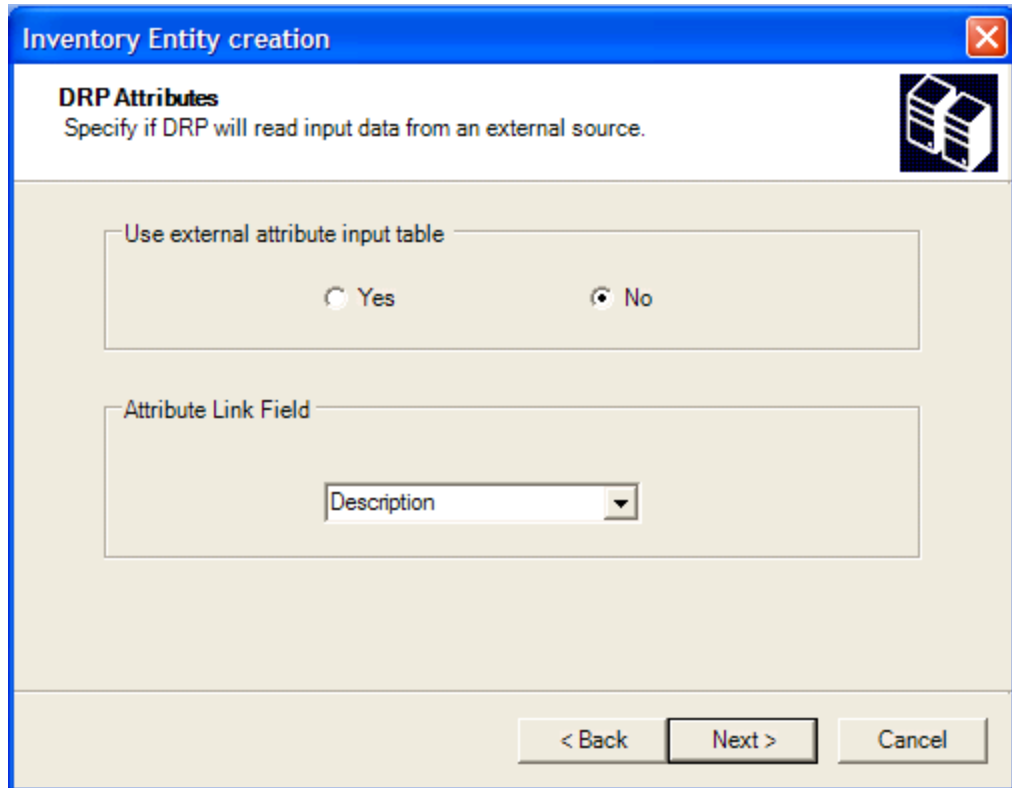
- To choose the default settings, click Next. Click Yes if you would like the BOM settings to be configured. The BOM Configuration section is then activated.

Select a field from the BOM Link Field drop down box. The Link Field is the link between the BOM Table and the Series Table (i.e., a mapping between the tables). If you would like to select more series, check the Series Link Field 1 and/or 2 boxes.

Select an Order Field from the Order Field drop down box.

Note: *Daily DRP must be configured in order to enable BOM Support.*

The DRP Attributes window displays.



The screenshot shows a window titled "Inventory Entity creation" with a blue header bar. Below the header, the text "DRP Attributes" is displayed in bold, followed by the instruction "Specify if DRP will read input data from an external source." To the right of this text is a small icon of a server rack. The main area of the window contains two sections: "Use external attribute input table" with radio buttons for "Yes" and "No" (where "No" is selected), and "Attribute Link Field" with a dropdown menu currently showing "Description". At the bottom of the window are three buttons: "< Back", "Next >", and "Cancel".

8. You would use an external attribute table if you wanted to maintain attributes on an outside table or if you are using the DRP attributes on a higher level (for example item vs. item-site), it removes redundancy. If you would like to use an external source of data, click Yes. In Attribute Link Field, choose the mapping field between the input table and Series table.

Click Next when finished.

The PO Launcher window displays.

Inventory Entity - daily2

PO Launcher
PO Launcher is used to create the PO manually or automatically based on the DRP output.

Enabled PO Launcher

Yes No

PO Budget Information

Use Series Attributes

Use External Budget Information Table. Use this option if you want support Price Discount Feature.

Link Field: Sku

Budget Table: PO_UOM

< Back Finish Cancel

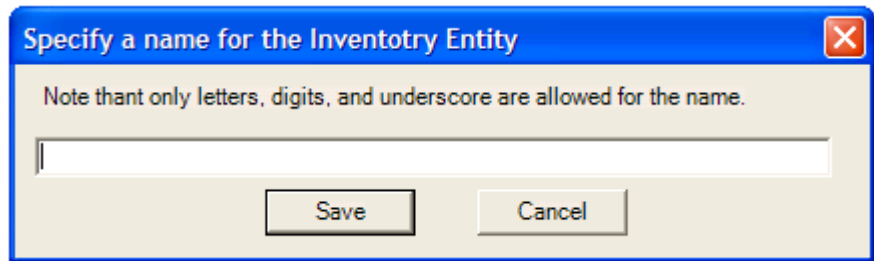
9. You would select Use Series Attributes if an attribute of a series, like price, is always the same, regardless of quantity purchased. When using Use External Budget Information, you can specify limits that will define the price for an item depending on the amount purchased. This is representing a volume discount and it can be set for as many as five different attributes.

In order to run the IM tool in a Scenario or Series, you must assign the entity you have just configured to that Scenario.

Note: *Daily DRP must be configured in order to enable PO Launcher.*

Note: *You must have permissions to enable the PO Launcher and edit the PO Budget Information. Please see the Demand Management Engine Manual for additional information.*

The New Inventory Entity window displays.



10. Type in a name for the entity you just created. Click Save when finished.

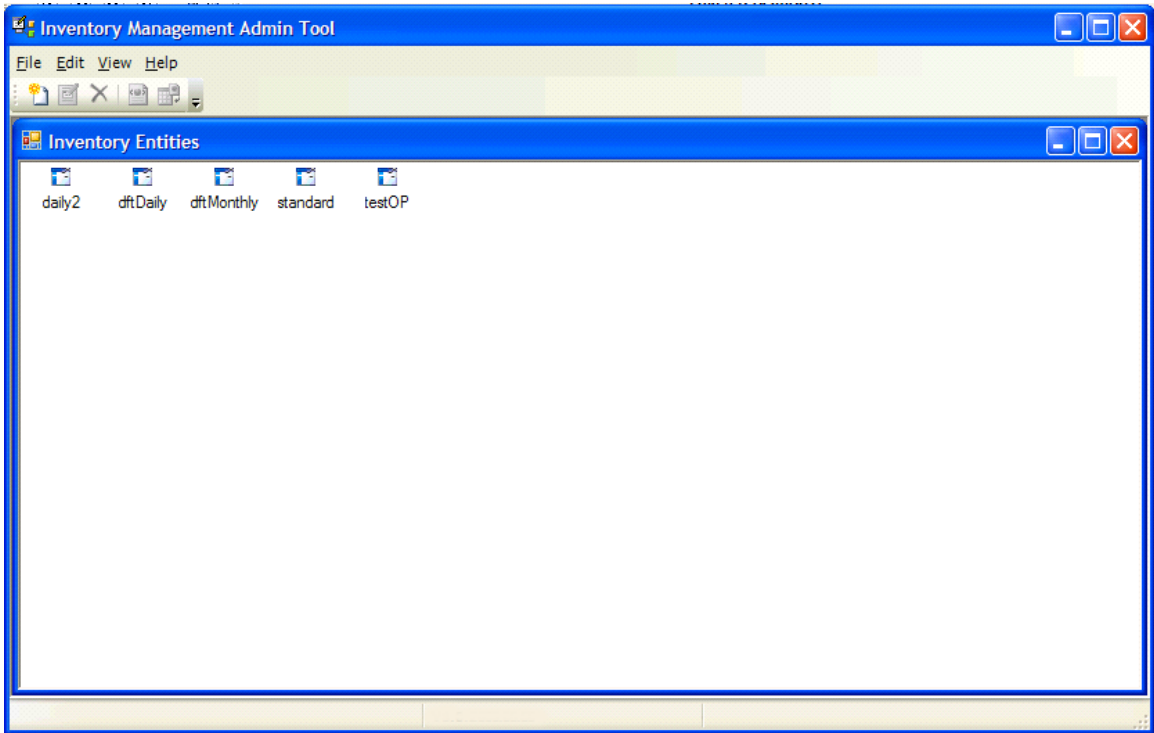
For additional and more configurations for the IM Tool, see [Advanced Configurations](#).

Section 3: Assigning an Entity to a Scenario

You must assign the entity to a scenario through the Assignments feature. To assign an entity to a scenario:

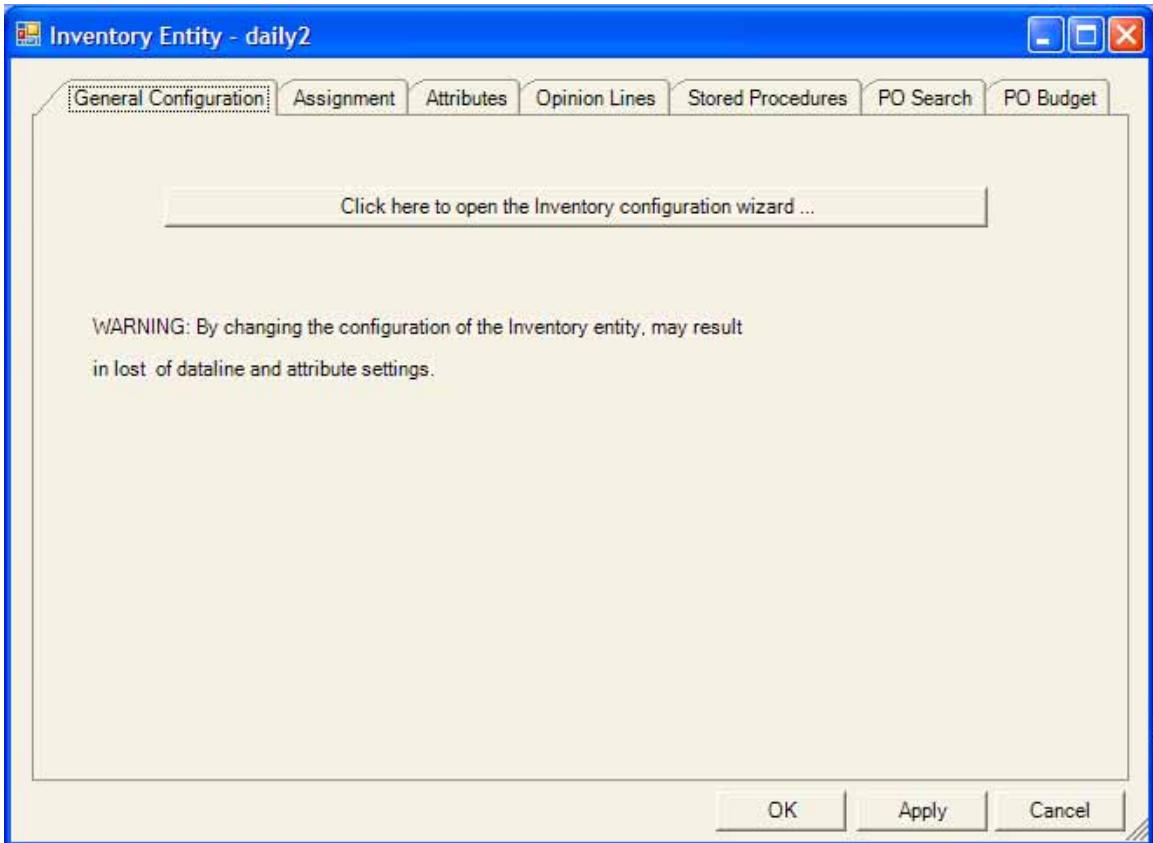
1. Open the IM Admin Tool from the Viewer and go to Inventory > Admin Tool.

The Inventory Management Administrator Tool with the Inventory Entities window displays.



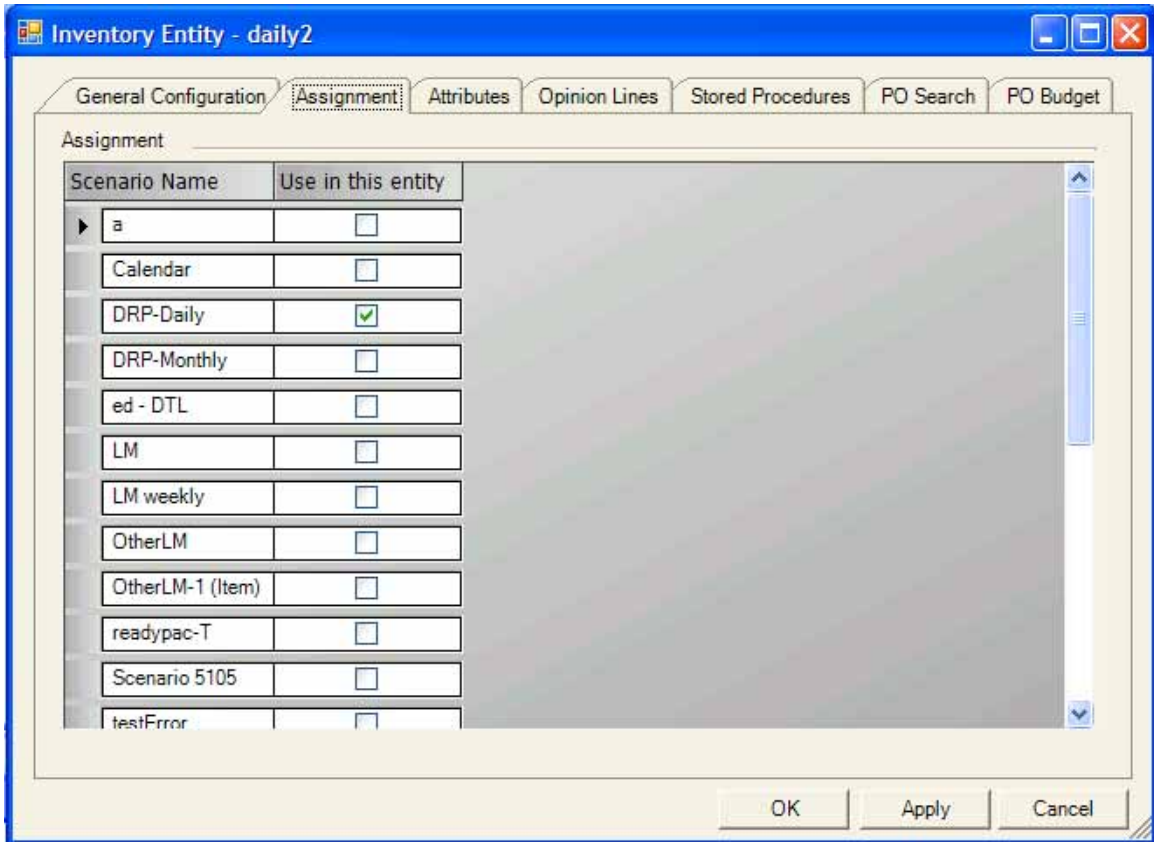
2. Click on the entity you would like to assign to a scenario.

The Inventory Entity displays with the configurations you had selected.



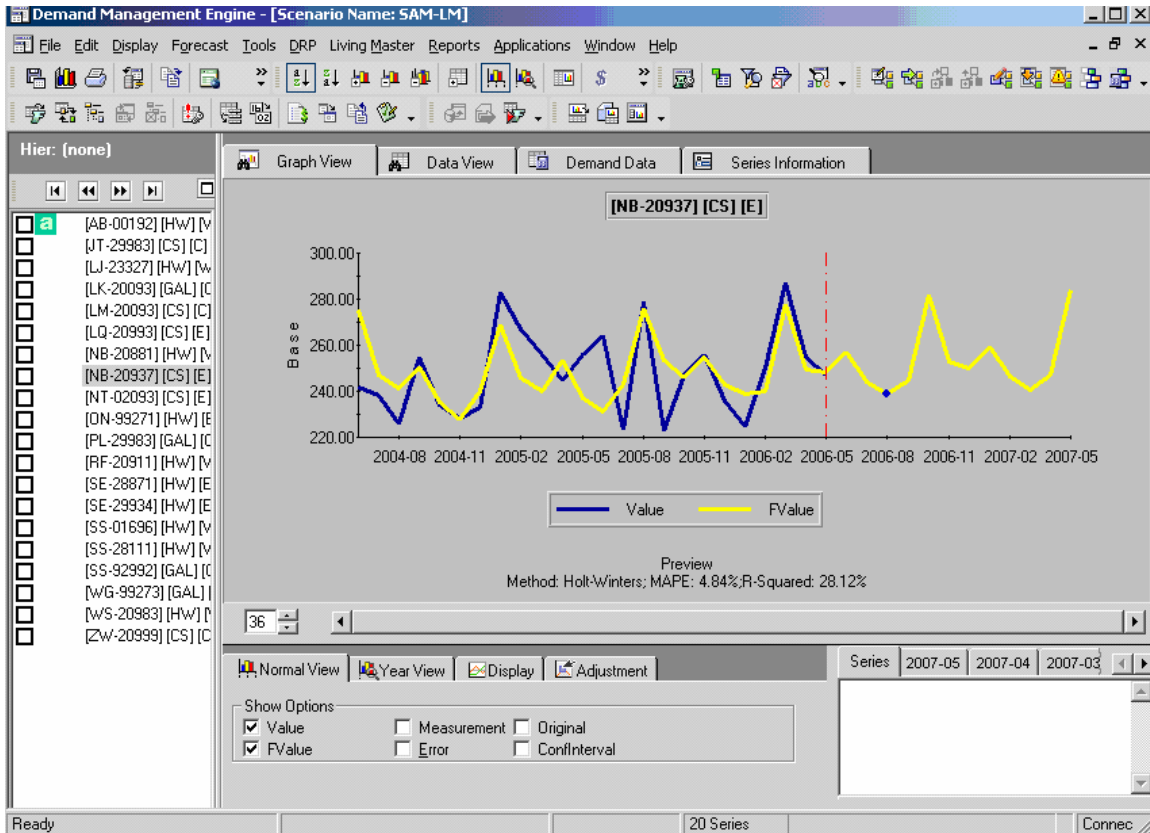
3. Click the Assignment tab.

4. Assign the entity to a scenario.




5. Click OK when finished.

- The Inventory Management calculation displays in Graph View. You can review the calculation in Data View, Demand Data or Series Information by selecting the appropriate tab.

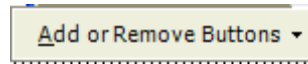


Section 4: Configuring the Inventory Management Admin Tool Toolbar

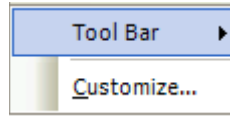
You can configure the IM Admin Tool toolbar to display the features available.

- Click on the  icon at the top of the IM Admin Tool toolbar.

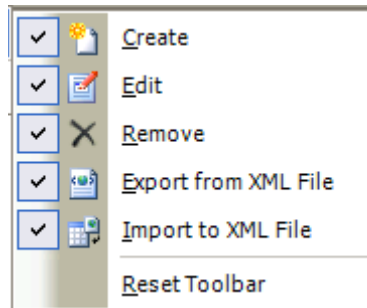
2. Click Add or Remove Buttons.



3. Hover your mouse over Tool Bar.



The IM Admin Tool features are listed.



4. Select those you want on your toolbar. You can also click on Reset Toolbar to revert to the default settings.

Chapter 4 **Advanced Configurations**

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Section 1: Overview

The IM Tool can be installed with the default configurations. However, you can continue to configure the application to meet specific criteria. The sections below provide detail on how to perform advanced configurations for the IM Tool.

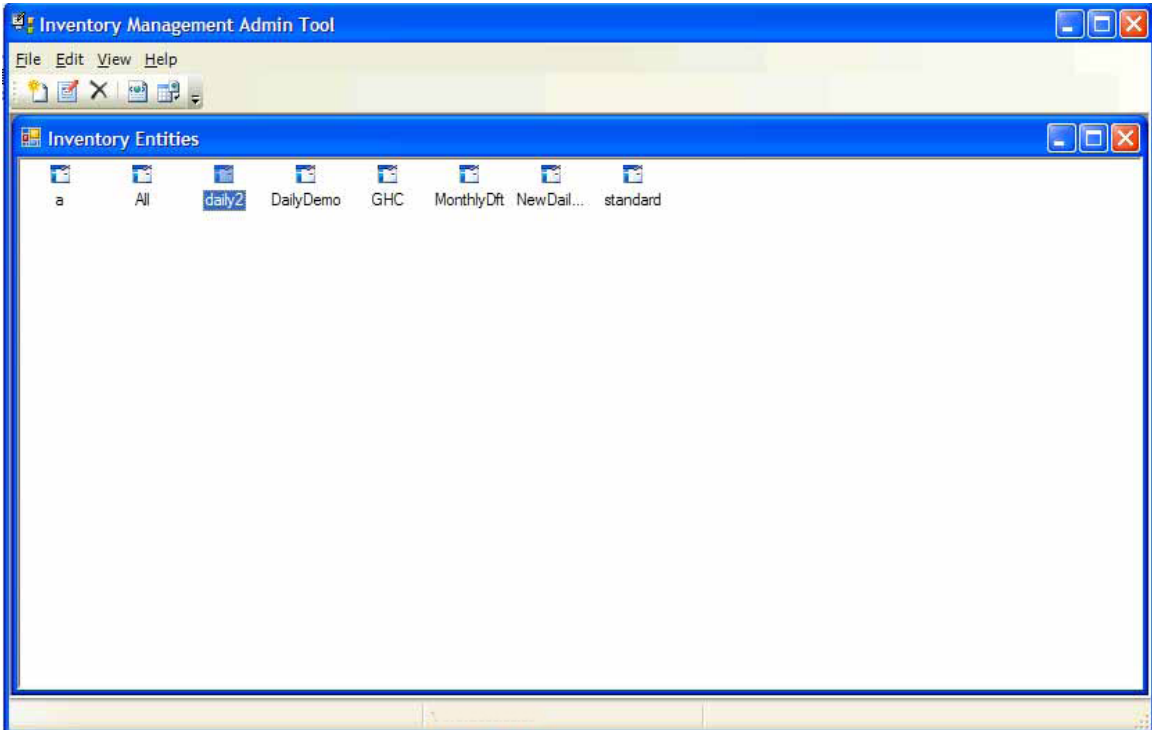
Section 2: Daily DRP

The Daily DRP feature can be used even if the forecast is not calculated in days (i.e., weekly, monthly, by periods). This is also true for the Lead Time attribute. This enables the user to release orders on a daily level, rather than on a monthly level.

To enable the Daily DRP feature.

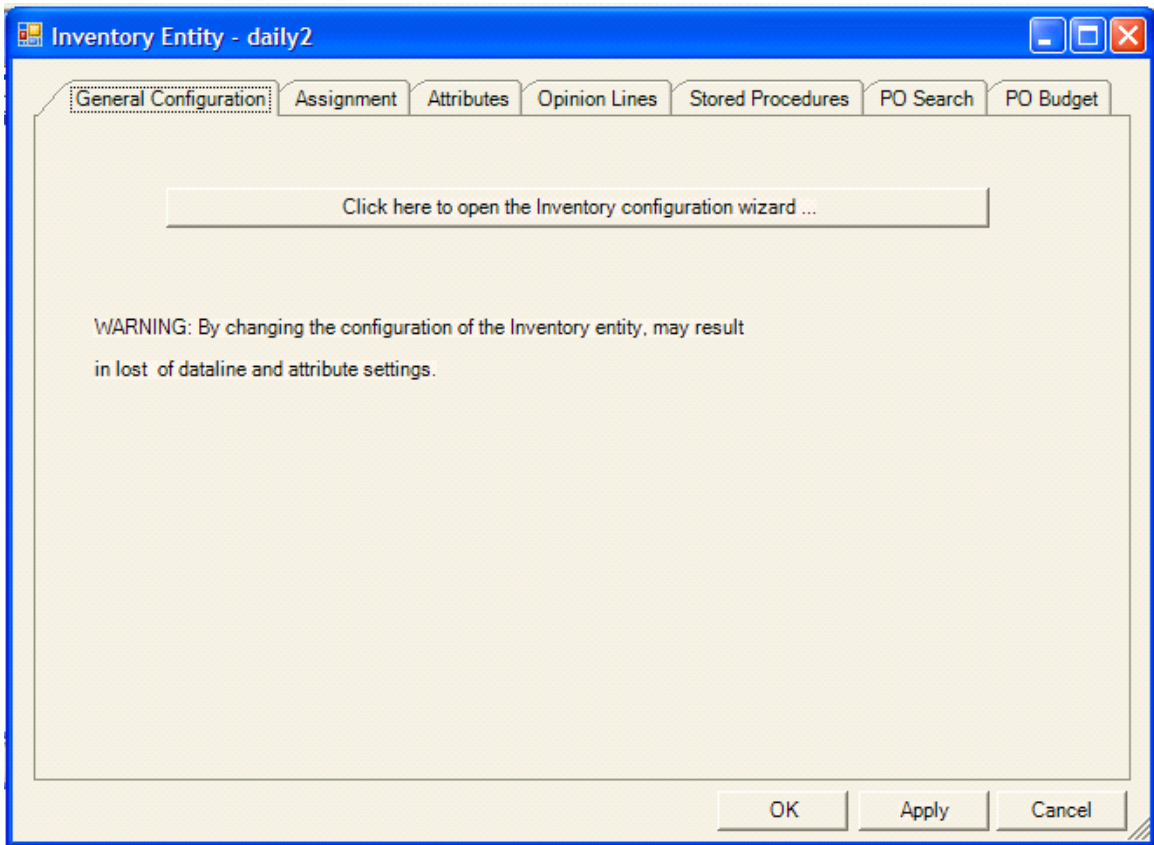
1. Go to Inventory > Admin Tool.

The IM Admin Tool window displays.



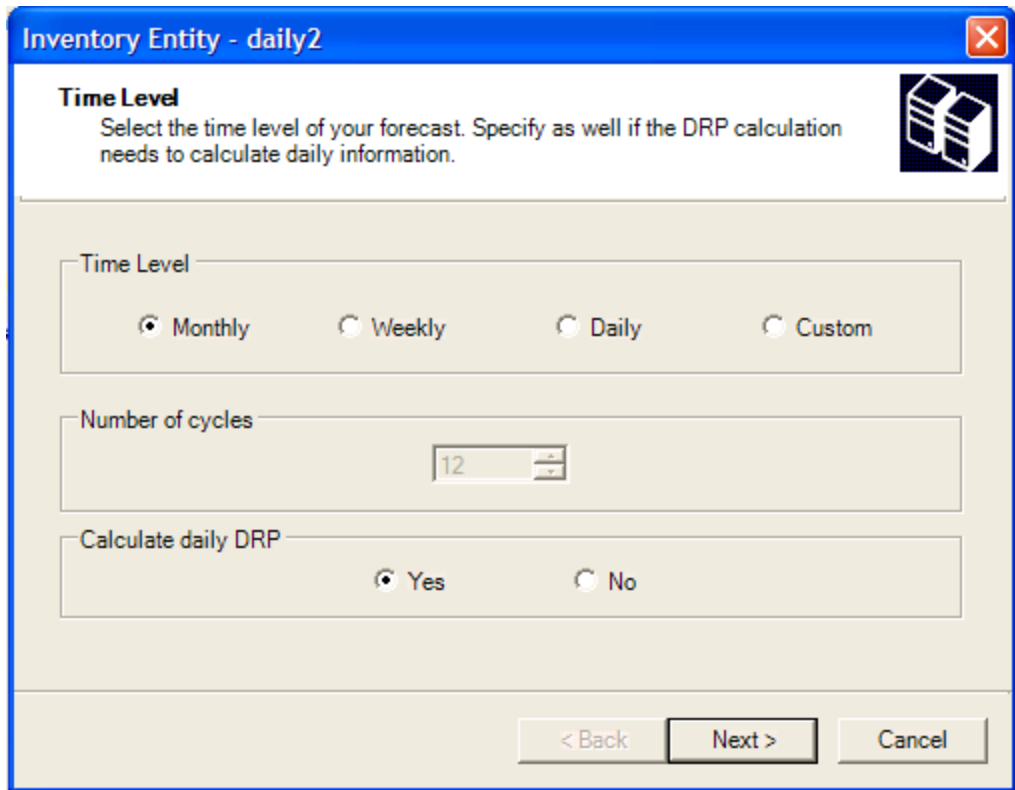
2. Right-click the entity you would like to edit from the Inventory Entities window.
3. Select Edit.

The Inventory Entity window displays.



4. Click on the "Click here to open the Inventory configuration wizard" button.

The Inventory Entity Time Level window displays.



The screenshot shows a software window titled "Inventory Entity - daily2". The window has a blue header bar with a close button (X) in the top right corner. Below the header, the text "Time Level" is displayed in bold, followed by the instruction: "Select the time level of your forecast. Specify as well if the DRP calculation needs to calculate daily information." To the right of this text is a small icon of a server rack. The main content area is divided into three sections by horizontal lines. The first section, labeled "Time Level", contains four radio buttons: "Monthly" (selected), "Weekly", "Daily", and "Custom". The second section, labeled "Number of cycles", contains a text box with the number "12" and a small spinner control to its right. The third section, labeled "Calculate daily DRP", contains two radio buttons: "Yes" (selected) and "No". At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel".

5. In the Calculate daily DRP area, select Yes and click Next.

The DRP Integration window displays.

Inventory Entity - daily2

DRP Integration
 DRP can be integrated with external data repositories. You can specify if DRP will read external daily input data, or if DRP will store output daily data into a external table.

Input additional daily opinion line
 Yes No

Output daily opinion line
 Yes No

DRP Link Field
 Description

External Tables
 Calendar Table: DRPCalendar
 Input Table: DRPInput
 Output Table: DRPOutput

< Back Next > Cancel

6. In the Input additional daily opinion line and the Output daily opinion line sections select Yes, then click Next. In the DRP Link Field, choose the mapping field between the input table and Series table.
7. Click Next until you reach the PO Launcher window and click Finish.

You can now view the Input by going to Inventory > Input Daily Detail. To view the Output, run the DRP calculations before going to Inventory > Daily View.

Note: *When the Daily DRP is enabled, the DRP Inventory Date should be entered in the following formats: yyyy-mm-dd or the local date setting format (for example mm/dd/yyyy for the U.S.).*

Section 3: Assignment tab

Please see [Assigning an Entity to a Scenario](#) for additional information.

Section 4: Attributes tab

Depending upon how you configured an entity during General Configuration in "[Creating an Entity](#)" on page 30, you can customized the DRP Attributes for the entity. New Attributes can be defined so that you can use the values of these Attributes later to control the way Opinion Lines behave and, ultimately, how DRP works.

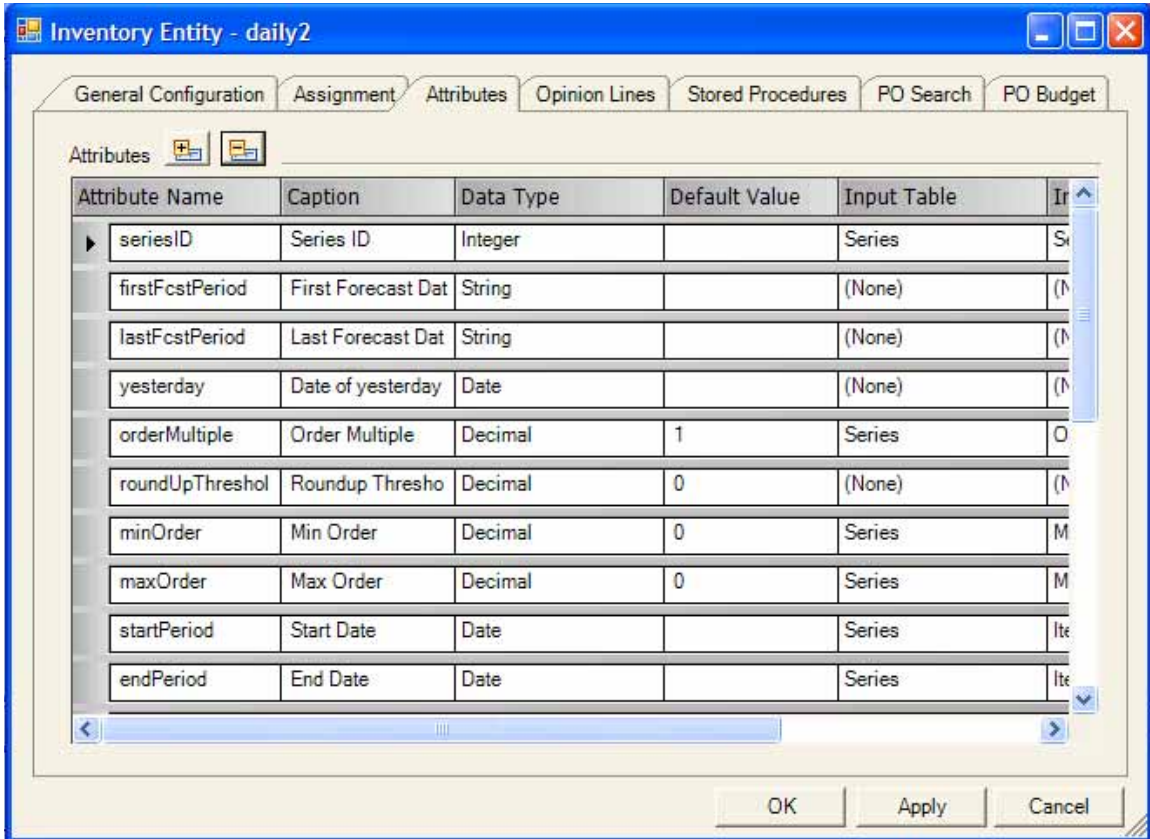
To select one or more of the attributes from the list:

1. Go to Inventory > Admin Tool.

The Inventory Management Admin Tool window displays.

2. Right-click on the entity to which you want to edit an attribute and select Edit.
3. Click on the Attributes tab.

The list of Attributes displays.



The following table details what each column means.

Column	Description
Attribute Name	Name of each Attribute. This parameter is used internally by the application and can only contain alphanumeric values.
Caption	Text field used to more accurately describe each Attribute. This field is used to reference the attribute in the Opinion Lines tab, when using it in formulas. This field can contain alphanumeric values and underscores.

Column	Description
Data Type	Defines the data type of the new Attribute. A combo box is provided with the options available. Please see See “Data Type” on page 76. for possible data types.
Default Value	Used to give each attribute a default value in case the user has not specified a field for this attribute in the Series or DRPAAttribute tables, or the value in the field is null or an empty string.
Input Table	This column is used to specify from where the Attribute is going to be read. These are the possible values: <ul style="list-style-type: none"> ■ None - This is only used for special Attributes that are used in DRP calculations. A user created attribute should never use this as its input table. ■ Series - This is the Series Table of the DME. This is the information displayed in the 'Series Attribute' tab in the viewer when a scenario is open. ■ DRPAAttribute - This is a special table created for the Inventory module in which you can define custom Attributes to use in your entities.
Input Field	Specifies which field of the Input Table is used for the Attribute. The valid values for this field depend on the option selected for input table: <ul style="list-style-type: none"> ■ If Input table is DRPAAttributes, then you can select the following fields: STR_ATTR01 - STR_ATTR20 and QTY_ATTR01 - QTY_ATTR20. ■ If Input table is Series, then all other fields are valid, except the range of fields mentioned above.
Is Calculated	Specifies whether or not the Attribute is calculated.

4. Scroll through the list of Attributes.


Note: *You can click on the columns' headings to arrange the calculations in decremental or incremental order.*

5. Click on the Is Calculated checkbox in the last column of the list.
6. Click Apply.
7. Click Cancel to not save your changes.

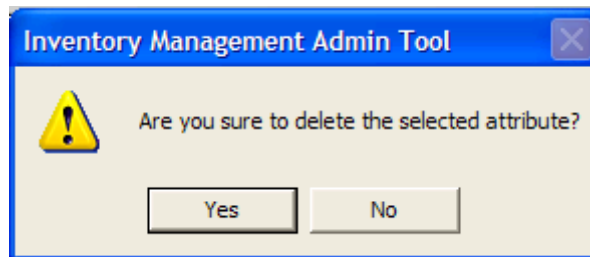
4-1: Deleting an Attribute

You can delete an Attribute from the Entity.

1. Select the Attribute that you want to delete by checking the Is Calculated checkbox in the last column of the list. You can select more than one attribute at a time.

2. From the Attributes tab, click on the  icon.

The Inventory Management Admin Tool window displays.




3. Click Yes to delete the Attribute from the entity.

Note: *Deleting an Attribute that you did not create may cause problems. Please delete with caution.*

4-2: Adding an Attribute

You can add an Attribute to an entity.

1. From the Attributes tab, click on the  icon.

A row is added to the end of the list of attributes.

2. Add the necessary information for the Attribute.
3. Click Apply.
4. Click Cancel to not save your changes.

Section 5: Opinion Lines tab

You can change Opinion Lines values as needed. Opinion Lines can also be defined as custom formulas for any number of Opinion Lines using Attributes and Constants. To edit an Opinion Line's formula, select the Opinion Line and double-click on it. When editing Opinion Line's formulas, there are two columns: Parameter Name and Parameter Value. Depending on the type of Opinion Line, you have the option to define no or multiple parameter names.

Depending upon how you configured an entity during General Configuration in [“Creating an Entity” on page 30](#), you can customized the Opinion Lines for the entity.

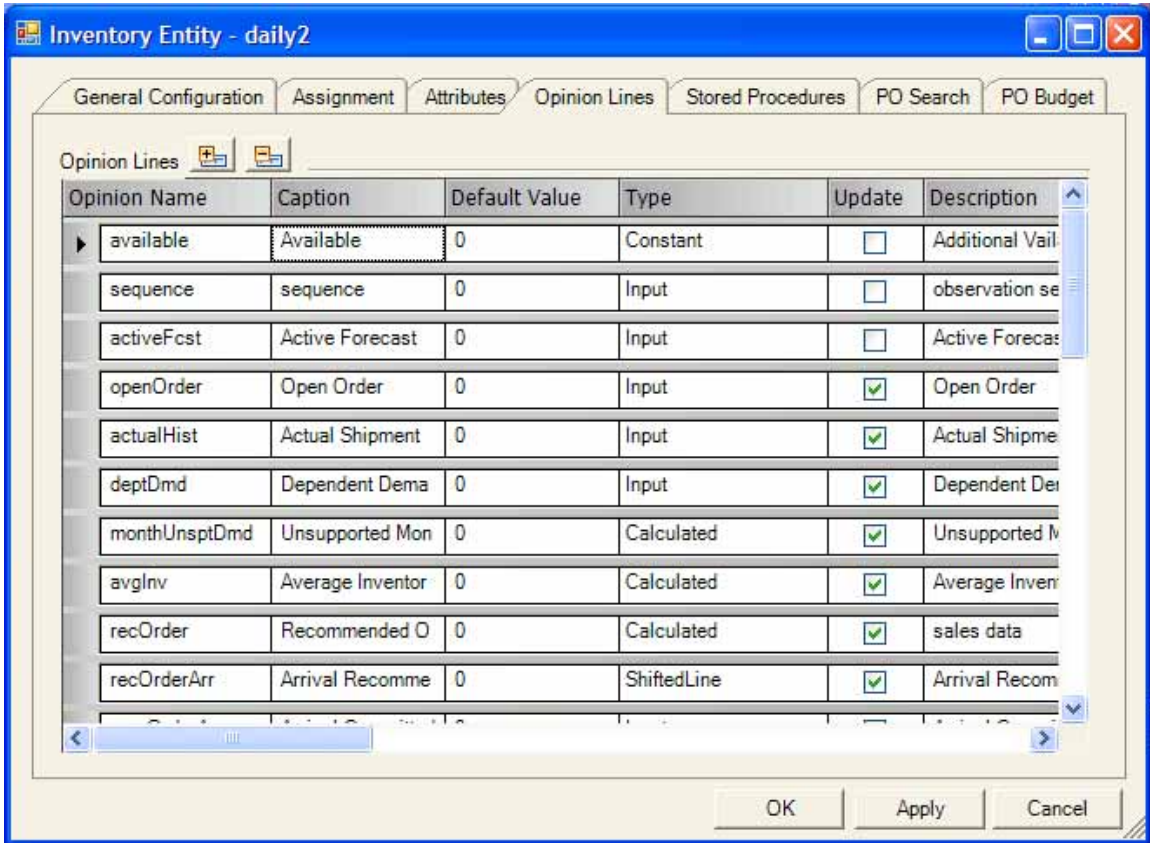
To update one or more of the Opinions from the list:

1. Go to Inventory > Admin Tool.

The Inventory Management Admin Tool window displays.

2. Right-click on the entity to which you want to edit an Opinion and select Edit.
3. Click on the Opinion Lines tab.

The list of Opinion Lines display.



4. Scroll through the list of Opinions.

The table below details what each column means.

Column	Description
Opinion Name	Name of the Opinion Line used by the application. It can only contain alpha-numeric values, no white spaces or special characters.
Caption	Text field used to more accurately describe each attribute. This field can contain alpha-numeric values, underscores and white spaces.

Column	Description
Default Value	<p>Used to give each Opinion Line a default value in case the user has not specified an input field value for this Opinion Line. The possible values for this column depend on the value selected for Type. The default value can only be a number, if the Opinion Line is type:</p> <ul style="list-style-type: none"> ■ Abs ■ Calculate ■ Cumulate ■ CvgDmd ■ CvgDmdNext ■ Divide ■ Max ■ Min ■ Multiply ■ PerCvg ■ PlusMinus ■ ShiftedLine <p>The default value can be either a number or a string when the Opinion Line Type is Input or Case; this depends on the attributes that are used in the formula.</p>
Type	<p>Used to define the type of Opinion Line. Note that the type of an Opinion Line can be changed only by the parameter editor. The editor is activated by double clicking on the Opinion Line. Please See “Opinion Lines Type” on page 85. for additional information.</p>
Update	<p>Used if an Opinion Line will be affected after DRP calculations run.</p>
Description	<p>Short description of what each Opinion Line represents.</p>
Expandable	<p>Used to indicate if the Opinion Line should be expanded. This is used, for example, when taking data from a scenario that is at a monthly level and expanding it to a daily level.</p>

Column	Description
Exp. Mode	<p>This column indicates what operation is going to be done when expanding an Opinion Line.</p> <ul style="list-style-type: none">■ None - No expand operation.■ Percentage - Use this mode to spread the Opinion Line's value to each day. For example, it takes a monthly value and evenly distribute it among the days within the month.■ Same - Use this to copy the Opinion Line's value to each day. For example, if you have a monthly value, it copies that exact same value to each of the days in the month.
Compressible	<p>Opposite of the Expandable column. It indicates if an Opinion Line should be compressed from daily to another time level, such as months or weeks.</p>
Cmp. Mode	<p>This column indicates what operation is going to be done when compressing an Opinion Line.</p> <ul style="list-style-type: none">■ Average - takes an average of all the daily values and make an average to save to the corresponding period. For example, if the user has a monthly scenario, then to go from daily to monthly, it will take all the values for the Opinion Line's days, make an average and display that in the corresponding month.■ First - takes the value from the first day that has information and put that as the period value. So if there was a value on the 1st of January of 320, then the whole month of January will display 320.■ Last - displays the last value found in the daily information. So, for example, in December, it will display the value the Opinion Line has for December 31st.■ Max - displays the maximum value of all the ones at daily level and display it in the upper level.■ Min - displays the minimum value of all the ones at daily level and display it in the upper level.■ None - does nothing; it is selected when compressible is disabled.■ Sum - displays the sum of all the values at daily level and will show that sum at the upper level.

Column	Description
Input Table	When an Opinion Line is type Input, this column indicates from where that Opinion Line gets the values. There are two possible values: <ul style="list-style-type: none"> ■ DRPInput - this is a table created for DRP that can be used to add additional Opinion Lines. ■ Observations - this is the Observations table in the database, used by the DME.
Input Field	This is the corresponding field from the Input table, selected in the Input Table column: <ul style="list-style-type: none"> ■ When Input table is DRPInput: Input field can be any of the following QTY_LINE01 - QTY_LINE25. ■ When Input table is Observations: Then input field can be any valid field from the observations table.
Output Table Default	Used when the period (such as monthly) result of an Opinion Line should be output. The only table allowed is the Observations table, for this version.
Output Field Default	Specifies the field in the observations table in which the Opinion Line are saved.
Output Table Exploded	Specifies when the daily result of an Opinion Line should be output. The only table allowed is DRPOutput table, for this version.
Output Field Exploded	Specifies the field from the DRPOutput table to which the Opinion Line is saved.


Note: *You can click on the columns' headings to arrange the list in decremental or incremental order.*

5. Select the Opinions that you want to have expanded and compressed by checking the Expandable and Compressible check boxes.
6. Click on the Update check box in the fifth column of the list.
7. Click Apply.
8. Click Cancel to not save your changes.

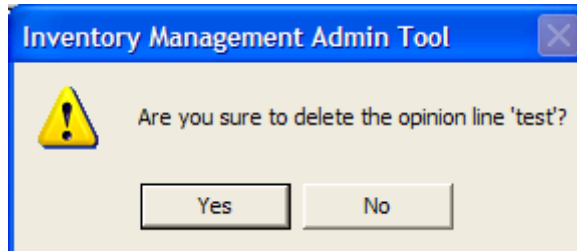
5-1: Deleting an Opinion Line

You can delete an Opinion Line from an entity.

1. Select the Opinion that you want to delete.

2. From the Opinion Lines tab, click on the  icon.


The Inventory Management Tool window displays.



3. Click Yes to delete the Opinion from the entity.

5-2: Adding an Opinion Line

You can add an Opinion Line to an entity.

1. From the Opinion Lines tab, click on the  icon.

A row is added to the end of the list of Opinions.

2. Add the necessary information for the Opinion Line:
3. Click Apply.
4. Click Cancel to not save your changes.

Section 6: Stored Procedures tab

The Stored Procedures tab contains the Stored Procedures that are used to perform the calculations and input/output of inventory management. It also includes stored procedures used to customize the inventory behavior. Those stored procedures are blank by default, so that the user can customize them to perform special inventory logic.

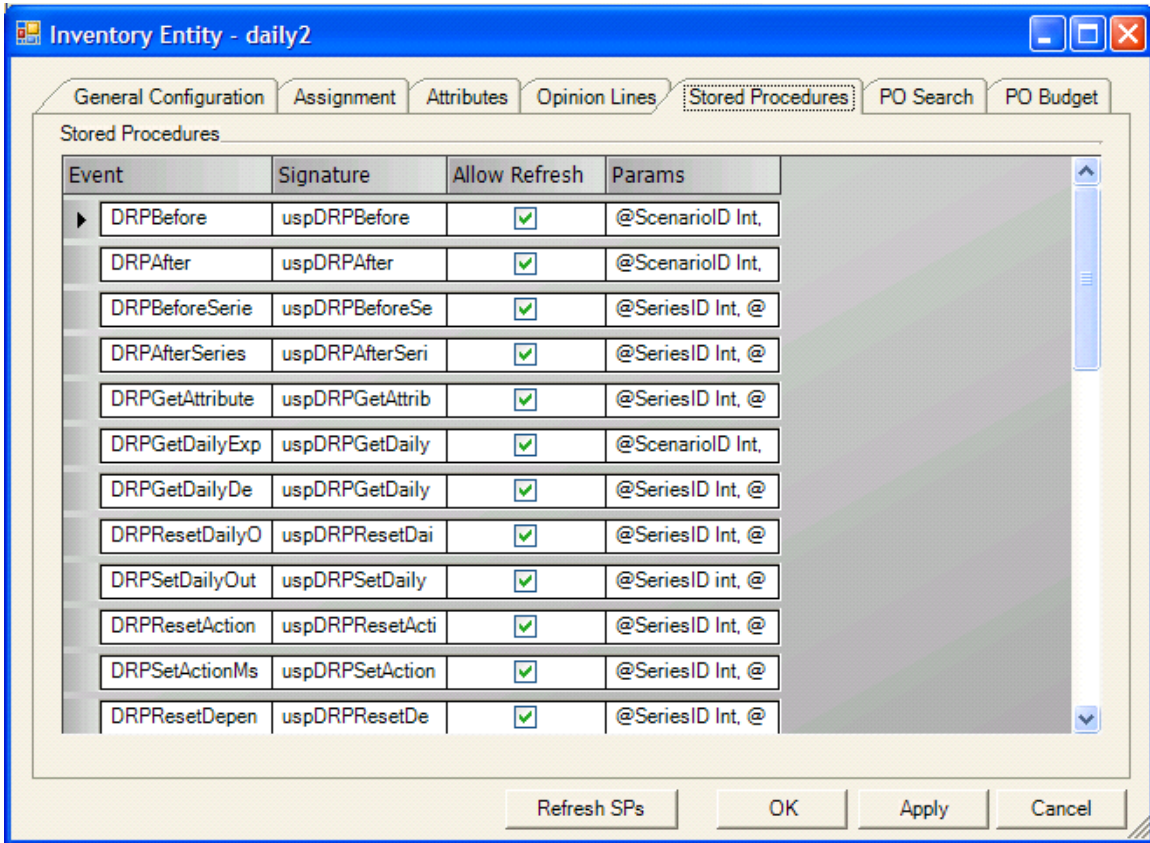
Depending upon how you configured an entity during General Configuration in [“Creating an Entity” on page 30](#), you can customized the Stored Procedures for the entity.

1. Go to Inventory > Admin Tool.

The Inventory Management Admin Tool window displays.

2. Right-click on the entity to which you want to edit a Stored Procedure and select Edit.
3. Click on the Stored Procedures tab.

The list of Stored Procedures display.



The following table details what each column means. Note that the only editable columns in the stored procedure tab are the Signature column and the allow refresh option. The remaining columns are updated automatically accordingly to user changes in the entity or when the 'Refresh SP's' button is used.

Column	Description
Event	Name of the event that the Stored Procedure represents.
Signature	Actual name of the stored procedure. Whenever the Stored Procedures are refreshed they are created with the names that are displayed in this column.

Column	Description
Allow Refresh	Indicates whether or not the stored procedure should be refreshed automatically when the Entity configuration changes and when the user clicks the "Refresh SPs" button.
Params	Displays the parameters that are sent to each of the stored procedures.

4. Scroll through the list of Stored Procedures.

Note: *You can click on the columns' headings to arrange the columns in decremental or incremental order.*

5. Uncheck the Allow Refresh checkboxes to ensure that customized stored procedures settings are not changed during a refresh.
6. Click on the Refresh SPs button to refresh the list.
7. Click Apply.
8. Click Cancel to not save your changes.

Section 7: PO Search tab

The PO Search feature chooses the search criteria for users. You can then decide if you want it viewable in the Recommended Order spreadsheet. Depending upon how you configured an entity during General Configuration in [“Creating an Entity” on page 30](#), you can customize the PO Search to search by specific Attributes for the entity.

To update one or more of the PO Searches from the list:

1. Go to Inventory > Admin Tool.

The Inventory Management Admin Tool window displays.

2. Right-click on the entity to which you want to edit a PO Search and select Edit.

3. Click on the PO Search tab.

The list of PO Searches display.



The table below details what each column means.

Column	Description
Caption	The name of the item. PO launcher uses it for the caption of the item.
Series	A Series Attribute mapped to this search item.

Column	Description
UseForSearch	A flag indicating whether this item is used for search or not. It is possible that an item is used for showing the value in the recommended order grid table only (i.e., item description).
ShowInGrid	This flag indicating whether this item is shown in the recommended order grid table or not. It is possible that an item is used for search but does not show in the grid table, e.g., the supplier ID.
Note	The note for this item.

4. Scroll through the list of PO Searches. The list of search criteria is in the Caption column. Choose the Caption to use and map the corresponding link.


Note: *You can click on the columns' headings to arrange the columns in decremental or incremental order.*

5. Select which Series you want the PO Search to include by clicking on the Series column header and choosing a series.
6. Check the UseForSearch checkbox to use that specific search criteria for the PO Search.
7. Check the ShowInGrid checkbox if you want to see that specific search criteria in the PO Search.
8. Add a comment in the Note column to provide more information.
9. Click Apply.
10. Click Cancel to not save your changes.

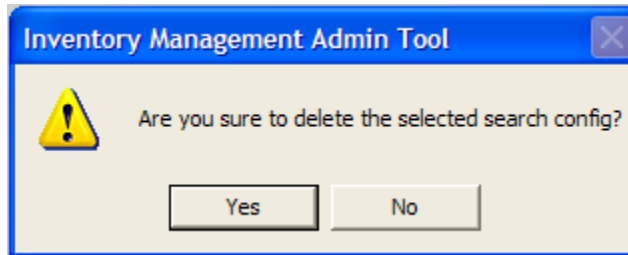
7-1: Deleting a PO Search

You can delete a PO Search from an entity.

1. Select the PO Search that you want to delete.

- From the PO Search tab, click on the  icon.


The Inventory Management Admin Tool window displays.



- Click Yes to delete the PO Search from the entity.

7-2: Adding a PO Search

You can add a PO Search to an entity.

- From the PO Search tab, click on the  icon.
A row is added to the end of the list of PO Searches.
- Add the following information for the PO Search:
 - Caption
 - Series
 - UseForSearch
 - ShowInGrid
 - Notes
- Click Apply.
- Click Cancel to not save your changes.

Section 8: PO Budget tab

The PO Budget feature enables users to find Purchase Orders that fit within certain parameters (i.e., cost and size). The PO Budget feature configures the Budget Limit feature in the PO Launcher. Depending upon how you configured an entity during General Configuration in [“Creating an Entity” on page 30](#), you can customized the PO Budget for the entity.

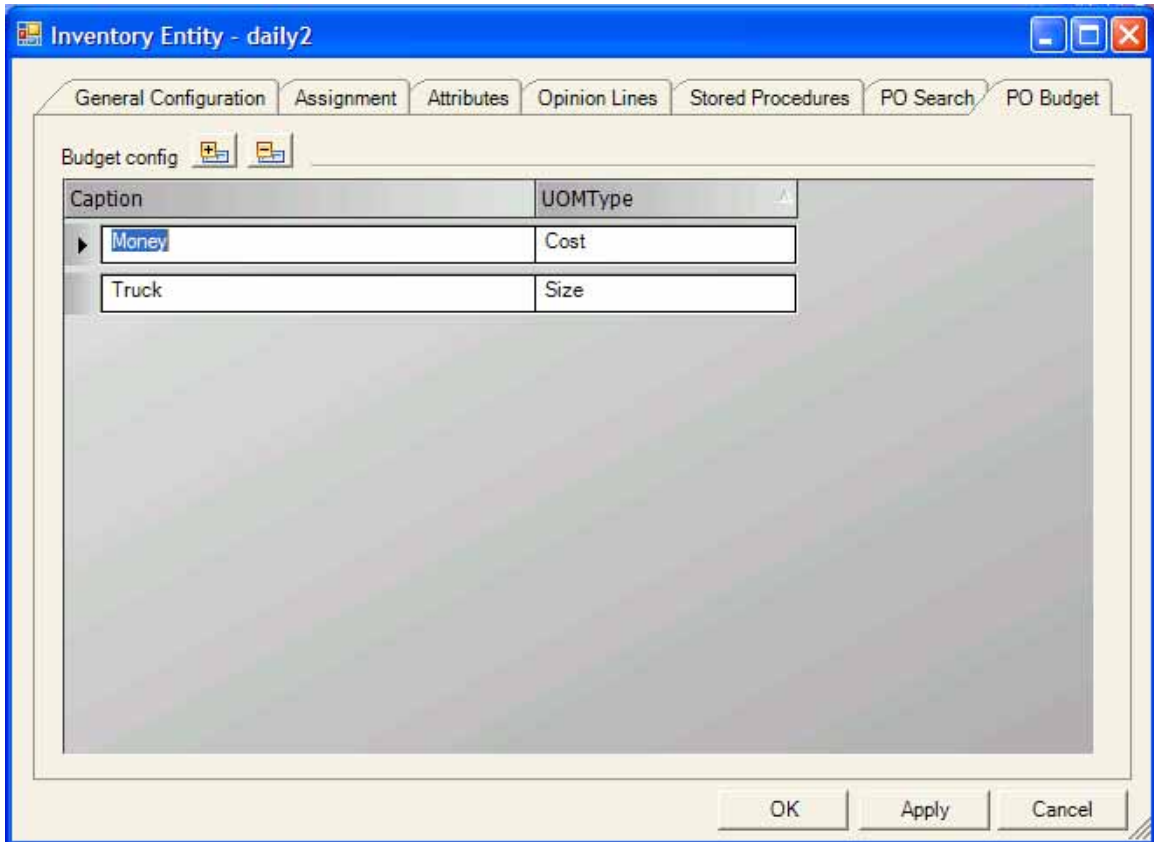
To update a PO Budget from the list:

1. Go to Inventory > Admin Tool.

The Inventory Management Admin Tool window displays.

2. Right-click on the entity to which you want to edit a PO Budget and select Edit.
3. Click on the PO Budget tab.

The list of PO Budgets display.



The table below details what each column means.

Column	Description
Caption	The name of the budget constraint. PO launcher uses it for the caption of the constraint.
Series	Displays when Series Attribute constraint is used. A series attribute mapped to this constraint.
UOMType	Displays when external budget constraint is used. A UOMType used to identify the corresponding constraint.

Column	Description
Type	<p>The type of the budget constraint. There are three types:</p> <ul style="list-style-type: none"> ■ Cost - the constraint of this type is also used to calculate the total cost of the PO in the PO header table. This type shows a currency symbol for the constraint output. ■ Price - the constraint of this type indicates that the PO system should show a currency symbol for the constraint output. ■ Other - the constraint of this type is only for constraint calculation, and no currency symbol for the output.


4. Scroll through the list of PO Budgets.

Note: *You can click on the columns' headings to arrange the columns in decremental or incremental order.*

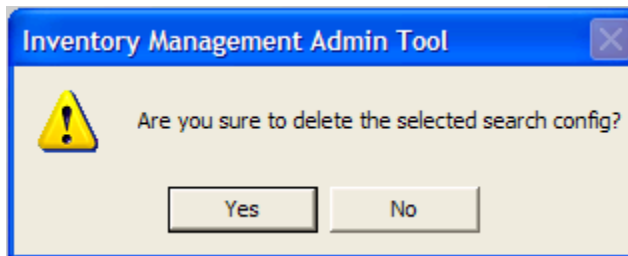
5. Click on the Caption text box and type in what you would like the PO Budget to calculate. Your edits that are displayed in the Budget Limit area of the PO Launcher.
6. Click on the UOMType text box and type in how you would like the PO Budget to be calculated. Your edits then are displayed in the budget Limit area of the PO Launcher.
7. Click Apply.
8. Click Cancel to not save your changes.

8-1: Deleting a PO Budget

You can delete a PO Budget from an entity.

1. Select the PO Budget that you want to delete.
2. From the PO Budget tab, click on the  icon.


The Inventory Management Admin Tool window displays.



3. Click Yes to delete the PO Budget from the entity.

8-2: Adding a PO Budget

You can add a PO Budget to an entity.

1. From the PO Budget tab, click on the  icon.
A row is added to the end of the list of PO Budget.
2. Add the following information for the PO Budget:
 - Caption
 - UOM Type
3. Click Apply.
4. Click Cancel to not save your changes.

Section 9: Safety Stock Settings

You can configure the Safety Stock Settings for users.

1. Go to Inventory > Safety Stock > Settings.

The Safety Stock Settings window displays.

Safety Stock Settings

Safety Stock | Demand | Cost

Series Field for Safety Stock Type: SS Typ

Observation Field for Final Safety Stock: Safety Stock

Observation Field for User Input Safety Stock: Sfty Tgt

Type Code for User Input Safety Stock: S

Observation Field for Coverage Safety Stock: Per Cvg

Observation Field for Period Coverage Value: Sfty Tgt

Type Code for Period Coverage Safety Stock: C

Observation Field for Statistics Safety Stock: Stat SS

Type Code for Statistics Safety Stock: I

OK Save Cancel

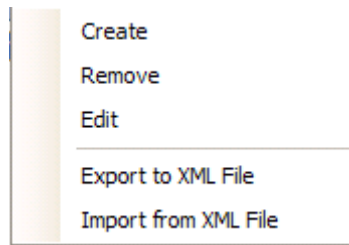
2. From the Safety Stock tab, select the criteria from each section that you want to configure.
3. From the Demand tab, select which Observation field you would like to be calculated for the Total Demand.
4. From the Cost tab, select which Series Field you would like to calculate and the Observation Field for Time Phased Cost.
5. Click Save when finished.


Note: *Safety Stock Settings should match those in the Inventory Entity; this is not done automatically. These settings are used for both the Safety Stock Simulator and Safety Stock Calculator.*

Section 10: Importing an XML File

You can import an XML file to an entity.

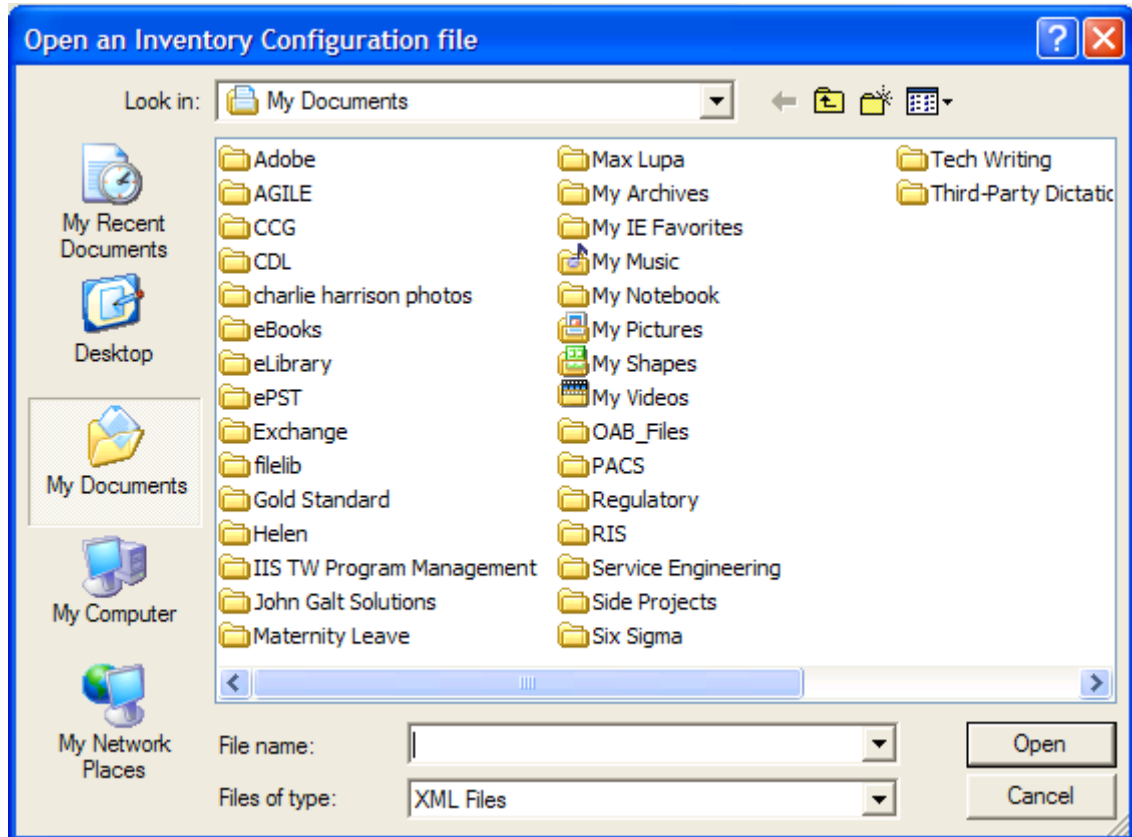
1. Go to Inventory > Admin Tool.
2. Right-click the entity to which you would like to import an XML file.



3. Select Import from XML File. Alternatively, you can click on the  icon on the toolbar.

Note: *There are two different files to select when importing an entity: Entity XML file and Entity Schema file.*

The Open an Inventory Configuration file window displays.



4. Browse for the XML file and click Open.

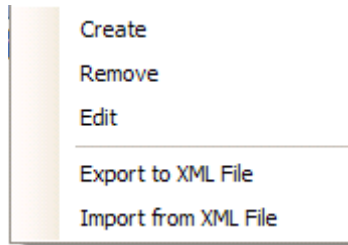
The XML file is then imported to the entity.


Note: *When an Entity is imported and the newly imported entity uses a name different from the original, then you will need to change the Stored Procedure's name manually.*

Section 11: Exporting an XML File

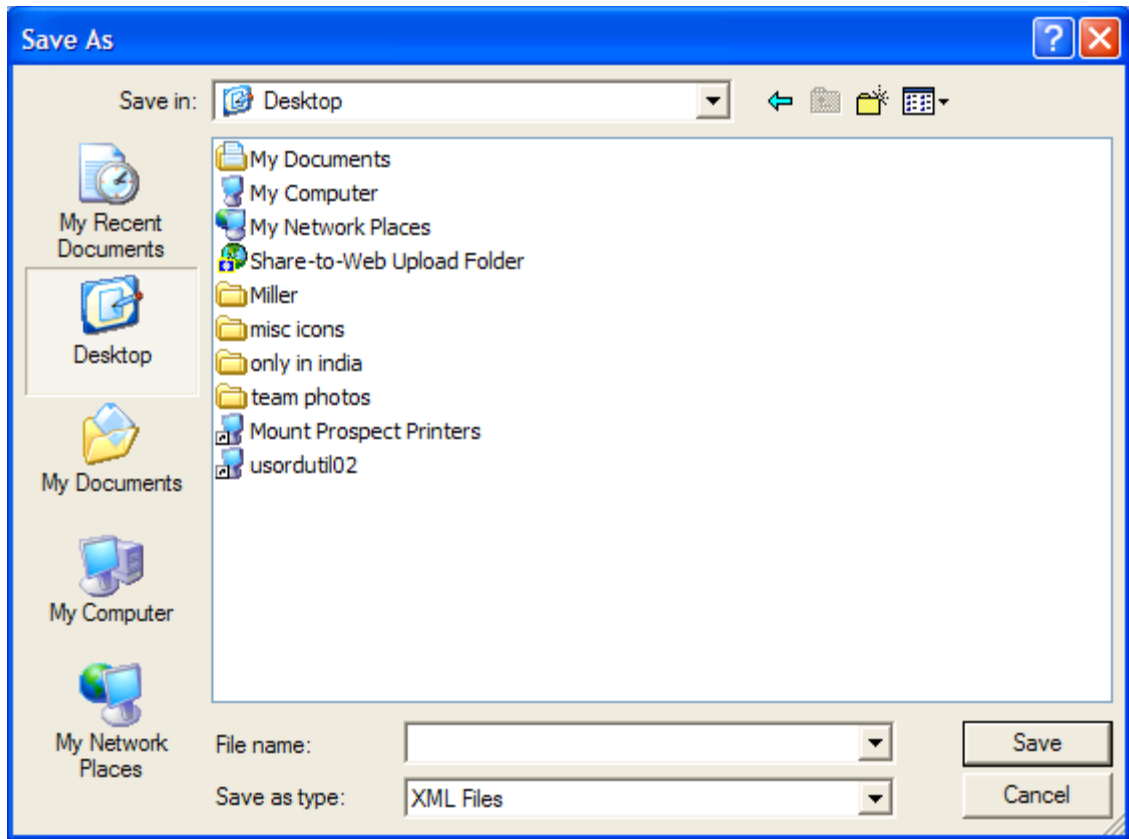
You can export an XML file to an entity.

1. Go to Inventory > Admin Tool.
2. Right-click the entity to which you would like to export as an XML file.



3. Select Export from XML File. Alternatively, you can click on the  icon on the toolbar.

The Save As window displays.



4. Type in a name for the file in the File name: text box.
5. Click Save.

Appendix A Attributes Tab

This chapter includes:

Section 1: Data Type 76
Section 2: Attributes 78

Section 1: Data Type

Table A-1: Data Type

Data Type	Description
Bool	Boolean variable and it only accepts two values, 1 for TRUE and 0 for FALSE.

Table A-1: Data Type

Data Type	Description
Date	<p>For Date Attributes created by the user the correct date format depends on the values contained in the specified Series field. If the selected Input field has values in the format yyyy/mm/dd then the default values specified here should have the same format. There are two specific cases for a couple of attributes created by the system that have the Date type:</p> <ul style="list-style-type: none">■ startPeriod and endPeriod - even though these two attributes are Date types they always represent forecast periods. So if you had a scenario with weekly time level this attribute should have values in the format yyyy-ww, where ww is the week number (2007-52 for example).■ Yesterday - this Attribute represents the date for yesterday and should be in one of the following two formats: yyyy-mm-dd or dd/mm/yyyy.■ invDate - this parameter format depends on whether the entity has been configured for daily output or not. When daily output has been enabled for the entity, the format should be either yyyy-mm-dd or dd/mm/yyyy. When daily output is disabled, this attribute behaves like startPeriod and endPeriod; it will represent a forecast period. The format is yyyy-pp.
Decimal	<p>Decimal value. Take note that if you create a new attribute with a type decimal this will not match any field that does not contain decimals. For example, if the Attribute has a default value of 2.0 and the series field has 2, then the application will not consider this a match.</p>
Integer	<p>Integer value. Only integer values without decimals are accepted.</p>
String	<p>String value. Any string is accepted as a default value but remember that these values are CASE SENSITIVE, so when matching against default values be sure to use the correct case.</p>

Section 2: Attributes

The table below details all the Attributes that exist on newly created Entities. Note that each series (item) has its own value for each Attribute.

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
seriesID	Integer	Series ID of the current item	Internal usage
firstFcstPeriod	String	First forecast period	Internal usage
lastFcstPeriod	String	Last Forecast period	Internal usage
yesterday	Date	Yesterday's date.	Internal usage. This attribute is used in Inventory Date when no Inventory Date has been set.
orderMultiple	Decimal	The recommended order should be a multiple value of this setting.	
roundUpThreshold	Decimal		
minOrder	Decimal	The minimum number of orders that can be recommended by the system in DRP calculations.	
maxOrder	Decimal	The maximum number of orders that can be recommended by the system in DRP calculations.	
startPeriod	Date	The first period on which DRP calculations will begin.	This attribute is generally set to match the first forecast period of the scenario.

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
endPeriod	Date	The last period on which DRP calculations will execute.	This attribute is generally set to match the last forecast period of the scenario.
invDate	Date	The date from which the initial on hand inventory will be taken into account. Note the initial on hand is the ending inventory for the specified inventory date.	This attribute is generally set to yesterday.
allocPct	Decimal	The allocation percentage for the whole season, when initial loading strategy is used.	Only useful when initial loading strategy is used for very seasonal items, such as a Halloween-only item.
maxInit	Decimal	The maximum initial loading, when initial loading strategy is used.	Only useful when initial loading strategy is used for very seasonal items, such as a Halloween-only item.
userIntLoad	Bool	The flag to indicate that initial loading strategy is used.	Only turn this flag on when initial loading strategy is used for very seasonal items, such as a Halloween-only item.
leadTime	Integer	The order lead time. It specifies how many units of time (days, weeks, months, etc) it takes to receive an order after it has been released.	When using Daily DRP, leadTime is assumed to be in days; If Daily DRP is disabled then leadTime is represented in the scenarios time level as periods. For example, if lead time =1 then in scenario with weekly time level means 1 week.
invOnhand	Decimal	The initial on hand.	

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
safetyStockType	String	The type of Safety Stock used in the DRP calculation.	The possible values are: 'I' for Statistical, 'C' for coverage and 'N' for internal.
replenishmentType	String	The type of replenishment used in the DRP calculations.	'M' for Min/Max, which specifies a minimum and a maximum of inventory that should exist and then keeps the Inventory between those lines by recommending orders accordingly. 'R' for Reorder Point, this method triggers a re-order when inventory is below the minimum.
demandType	String	The type of Demand used in the DRP calculations.	The possible values for this attribute depend on which options were enabled for the entity. All the available options are: 'F' for Forecast only, which only takes the Forecast Opinion Line as the demand. 'O' for open orders only. 'N' to have no basic demand. 'M' for the maximum between forecast and open orders. 'C' for demand consume logic, which uses forecast, actual shipment and open orders to calculate demand.
allowRollOver	Bool	The flag to indicate whether unsupported demand is rolled over as demand for next period or not.	

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
useLastCommDate	Bool	The flag to indicate whether the system should recommend order before the last committed order date.	If this attribute is set to TRUE, then the system will not recommend any order in dates prior to the last committed order it finds. If the parameter is false, then DRP will recommend orders regardless of the committed orders already present.
saveBatchSize	Integer	The number of the outputs in one store procedure. This attribute is an advanced setting used for performance improvement only.	
hasDept	String	The flag to indicate whether this item has dependent items or not. The value of this flag is set internally by the system.	This attribute is used when BOM Support is enabled. Make sure do not use this field for other usage, because the value in this field will be overwritten by the DRP calculation.
orderMultiple	Integer	Series ID of the current item	Internal usage
roundUpThreshold	String	First forecast period	Internal usage
minOrder	String	Last Forecast period	Internal usage
maxOrder	Date	Yesterday's date.	Internal usage. This attribute is used in Inventory Date when no Inventory Date has been set.
startPeriod	Decimal	The recommended order should be a multiple value of this setting.	
endPeriod	Decimal		

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
invDate	Decimal	The minimum number of orders that can be recommended by the system in DRP calculations.	
allocPct	Decimal	The maximum number of orders that can be recommended by the system in DRP calculations.	
maxInit	Date	The first period on which DRP calculations will begin.	This attribute is generally set to match the first forecast period of the scenario.
userIntLoad	Date	The last period on which DRP calculations will execute.	This attribute is generally set to match the last forecast period of the scenario.
leadTime	Date	The date from which the initial on hand inventory will be taken into account. Note the initial on hand is the ending inventory for the specified inventory date.	This attribute is generally set to yesterday.
invOnhand	Decimal	The allocation percentage for the whole season, when initial loading strategy is used.	Only useful when initial loading strategy is used for very seasonal items, such as a Halloween-only item.
safetyStockType	Decimal	The maximum initial loading, when initial loading strategy is used.	Only useful when initial loading strategy is used for very seasonal items, such as a Halloween-only item.

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
replenishmentType	Bool	The flag to indicate that initial loading strategy is used.	Only turn this flag on when initial loading strategy is used for very seasonal items, such as a Halloween-only item.
demandType	Integer	The order lead time. It specifies how many units of time (days, weeks, months, etc) it takes to receive an order after it has been released.	When using Daily DRP, leadTime is assumed to be in days; If Daily DRP is disabled then leadTime is represented in the scenarios time level as periods. For example, if lead time =1 then in scenario with weekly time level means 1 week.
allowRollOver	Decimal	The initial on hand.	
useLastCommDate	String	The type of Safety Stock used in the DRP calculation.	The possible values are: 'I' for Statistical, 'C' for coverage and 'N' for internal.
saveBatchSize	String	The type of replenishment used in the DRP calculations.	'M' for Min/Max, which specifies a minimum and a maximum of inventory that should exist and then keeps the Inventory between those lines by recommending orders accordingly. 'R' for Reorder Point, this method triggers a re-order when inventory is below the minimum.

Table A-2: Attributes

Attribute Name	Data Type	Description	Usage/Notes
hasDept	String	The type of Demand used in the DRP calculations.	The possible values for this attribute depend on which options were enabled for the entity. All the available options are: 'F' for Forecast only, which only takes the Forecast Opinion Line as the demand. 'O' for open orders only. 'N' to have no basic demand. 'M' for the maximum between forecast and open orders. 'C' for demand consume logic, which uses forecast, actual shipment and open orders to calculate demand.

Appendix B Opinion Lines Tab

This chapter includes:

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Section 1: Opinion Lines Type

Table B-1: Opinion Lines Types

Type	Description
Abs	Returns the absolute value of the selected parameter base line. This type of Opinion Line only allows one parameter and the parameter can only be a BaseLine parameter.
Calculated	Specifies that the Opinion Line is calculated by the DRP engine. This type of Opinion Line does not allow any parameters.
Case	Enables the user to create a formula that incorporates conditional logic into the Opinion Line. The parameters for this type of Opinion Line can be: <ul style="list-style-type: none">■ Switch - There can only be one switch parameter per formula. The parameter value associated with this Switch parameter must be an attribute selected from the dropdown list. Base line value is ignored for Switch.■ Case - There can be any amount of case parameters in each formula. The Parameters value can ONLY be a constant; the type of constant will be determined by the Attribute chosen for the Switch parameter. Base line can be any Opinion Line the user wants. If the Opinion Line is selected to be output to another table, then the data types should be compatible.

Table B-1: Opinion Lines Types

Type	Description
Constant	Used to define a Constant. Only one parameter can be defined, the parameter name is Value and the parameter value must be a constant and an Attribute.
Cumulate	Defines an Opinion Line that cumulates a specific Opinion Line through out time. These Opinion Lines can only have one Parameter.
CvgDmd	Can only have two parameters, and returns the next 'CvgPerLine' periods of 'ConsumeLine'. For example, if the value of CvgPerLine is 3, and ConsumeLine is the total demand Opinion Line, then this Opinion Line outputs the sum of the total demand for the current period and the next two periods; it adds 3 periods of demand in total. <ul style="list-style-type: none"> ■ CvgPerLine - This can be any other Opinion Line, and it represents the number of periods that you want to be added from the ConsumeLine parameter. ■ ConsumeLine - This is the Opinion Line from which the periods will be taken from.
CvgDmdNext	Similar to CvgDmd type, but instead of taking the periods starting on the current period, it starts taking the periods from one period into the future.
Divide	Used to divide values. There can only be 3 parameters: <ul style="list-style-type: none"> ■ BaseLine1: This is the numerator in the calculation. ■ BaseLine2: This is the denominator in the calculation. ■ ZeroValue: When the denominator is zero, the value in this opinion is used.
Input	Opinion Lines with this input type cannot have a formula associated with them. When an Opinion Line has this type, the value is taken from the field specified in the Input Field column.

Table B-1: Opinion Lines Types

Type	Description
Max	Used to get the maximum value from a set of Opinion Lines. The only parameter name is Base Line and there can be any number of them.
Min	This type of Opinion Line is used to get the minimum value from a set of Opinion Lines. The only parameter name is Base Line and there can be any number of them.
Multiply	Used when a multiplication is needed between two numbers. The parameter values can only be numbers. There can only be two parameters: <ul style="list-style-type: none"> ■ BaseLine1 - This is the first parameter in the multiplication. ■ BaseLine2 - This is the second parameter in the multiplication.
PerCvg	The value in this type of Opinion Line is the number of periods covered by the inventory line, when the inventory line is consumed by the consume line. This type of Opinion Line can only take three parameters: <ul style="list-style-type: none"> ■ InventoryLine - The inventory line used to cover the values in the consume line. ■ ConsumeLine - The consume line used to consume the values in the inventory line. ■ MaxPerCvg - The maximum period coverage is used when the value in the consume line is too small (such as zero) to consume the value in the inventory line.
PlusMinus	Used when an Opinion Line is the result of the adding and subtracting of multiple other Opinion Lines. There are two types of parameters that can be used: <ul style="list-style-type: none"> ■ PlusLine - This parameter indicates that the Opinion Line set in the parameter value is going to be added. ■ MinusLine - This parameter indicates that the Opinion Line set in the parameter value is going to be subtracted.

Table B-1: Opinion Lines Types

Type	Description
ShiftedLine	Used when one Opinion Line is the result of another, but shifted a specific number of periods in time. There are only two possible parameters: <ul style="list-style-type: none"> ■ BaseLine - This is the parameter that specifies the original values that should be displayed. ■ ShiftedPeriods - This parameter indicates the number of periods that the original Opinion Line should be shifted.

Section 2: Opinion Lines

The table below details all the Opinion Lines that exist on newly created Entities.

Table B-2: Opinion Lines

Opinion Name	Default Type	Description	Usage/Notes
available	Constant	Other available demand besides the committed order arrival.	
sequence	Input	The sequence of each observation.	Internal usage.
activeFcst	Input	Active forecast	
openOrder	Input	Open order. It is the future orders from customers.	
actualHist	Input	Actual shipment.	

Table B-2: Opinion Lines

Opinion Name	Default Type	Description	Usage/Notes
deptDmd	Input	This Opinion Line represents Dependant demand.	Dependant demand is used when BOM in DRP is enabled.
monthUnsptDmd	Calculated	The unsupported demand at a period (such as montly) level.	
avgInv	Calculated	The average inventory of beginning and ending inventories.	
recOrder	Calculated	The Orders suggested by the system in order to maintain a level of inventory that meets the configurations.	
recOrderArr	ShiftedLine	The recommended orders would arrive according to what the lead time is.	This Opinion Line is the same as the recorder Opinion Line, but shifted a specific number of periods or days; by default those periods are the Lead Time.
comOrderArr	Input	The orders that have already been committed.	This default type is input, which allows the user manually enter values for it. Note that when Daily DRP is enabled and Orders are released using the PO Launcher, the amounts for released orders eventually show up in this line.
basicDmd	Calculated	The basic demand whose value is determined by the demand type.	

Table B-2: Opinion Lines

Opinion Name	Default Type	Description	Usage/Notes
totalDmd	PlusMinus	The total demand, whose value is calculated by multiple Opinion Lines, depending on how the entity is configured.	
invTurns	Calculated	The annual inventory turns.	
beginInv	Calculated	The beginning inventory for each period.	
endInv	Calculated	The ending inventory for each period.	
unsupportedDmd	Calculated	The demand that cannot be met with the current orders that have been placed.	
minLine	PlusMinus	The minimum line used for the "Min/Max" calculation.	
maxLine	PlusMinus	The maximum line used for the "Min/Max" calculation.	
reorderPoint	PlusMinus	The reorder point for the ROP calculation.	
maxOrderROP	Constant	The maximum inventory used for the ROP calculation.	
MinMaxEndPosition	PlusMinus	The value to determine the action message.	Internal usage.
ROPEndPosition	PlusMinus	The value to determine the action message.	Internal usage
dmdCvgTgt	Input	The Demand Coverage Target.	This represents the amount of periods that should be covered.

Table B-2: Opinion Lines

Opinion Name	Default Type	Description	Usage/Notes
cvgDmd	Input	The demand calculated by dmdCvgTgt and totalDmd.	
safetyStock	Case	The final safety stock Opinion Line.	The values are taken from different Opinion Lines based on the safety stock type for this item/series.
ssCvgTgt	Input	The Safety Stock Coverage Target.	This represents the amount of periods that should be covered.
cvgSS	CvgDmdNext	The coverage safety stock calculated by the ssCvgTgt and totalDmd.	
statSS	Input	The statistic safety stock Opinion Line.	
InternalSS	Constant	The internal safety stock Opinion Line.	

Appendix C Stored Procedures Tab

This chapter includes:

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Section 1: Stored Procedures

Table C-1: Stored Procedures

Event	Description	Usage/Notes
DRPBefore	This event is executed before DRP calculations are run.	This SP is blank by default.
DRPAfter	This event is executed after DRP calculations are run.	This SP is blank by default.
DRPBeforeSeries	This event is executed before DRP calculations are run on each series.	This SP is blank by default.
DRPAfterSeries	This event is executed after DRP calculations are run on each series.	This SP is blank by default.
DRPGetAttributes	Retrieve all the attributes defined in the attributes tab, both from the Series and DRPAttribute table.	
DRPGetDailyExpandInfor	Get the daily expand information	
DRPGetDailyDemand	Get the daily demand for daily DRP	
DRPResetDailyOutput	Reset daily output in the tables configured in the entity.	

Table C-1: Stored Procedures

Event	Description	Usage/Notes
DRPSetDailyOutput	Save daily output into the tables configured in the entity.	
DRPResetActionMsg	Reset action message.	
DRPSetActionMsg	Save the action message.	
DRPResetDependDmd	Reset dependent demand	
DRPCalDependDmd	Calculate the dependant demand of an item.	It is used when the BOM in DRP is enabled.
DRPGetBOMCalOrder	Determine the calculation order of each series in a scenario when BOM is enabled.	For example if BOM information states that item B is a component of Item A, then A should be calculated before B.
DRPBridgeGetInput	Get input data for the daily input window.	
DRPBridgeGetOutput	Get output data for the daily output window.	
DRPBridgeUpdateData	Update the daily input data.	
DRPBridgeDeleteData	Delete the daily input data.	
DRPBridgeGetActionMsgCode	Get the action message code from configuration.	Internal usage.
DRPBridgeGetDailyActionMsg	Get daily action message for action message window.	
DRPBridgeGetBOM	Get the Bill of Materials (BOM) information.	
DRPBridgeUpdateBOM	Update BOM information.	
DRPBridgeDeleteBOM	Delete BOM information.	

Table C-1: Stored Procedures

Event	Description	Usage/Notes
DRPBridgeUpdatePOUom	Update records in the POUom table.	POUom table contains information used by the Purchase order module and has information on Units of measure.
DRPBridgeDeletePOUom	Delete records in the POUom table.	
DRPGetRecommendedOrderPO	Get recommended order for PO.	
DRPSetReleaseOrderPO	Set released order for PO.	
DRPSPSetDetailPO	Set detail PO information.	

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