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**ORACLE®** PeopleSoft®



**Let Me See a Supply Chain Problem in My  
PeopleSoft System Before My Boss Does**

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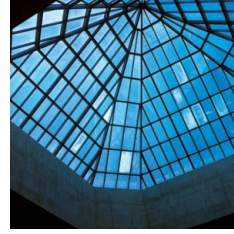
## Safe Harbor Statement

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## Agenda

- Errors, Warnings and Notifications (EWN) Framework Overview
- EWN Usage in PeopleSoft Enterprise
- Setting up and Using the EWN Framework
- How to Extend the EWN for your Business
- Where to get more information
- Appendix



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## **Errors, Warnings and Notifications (EWN) Framework Overview**

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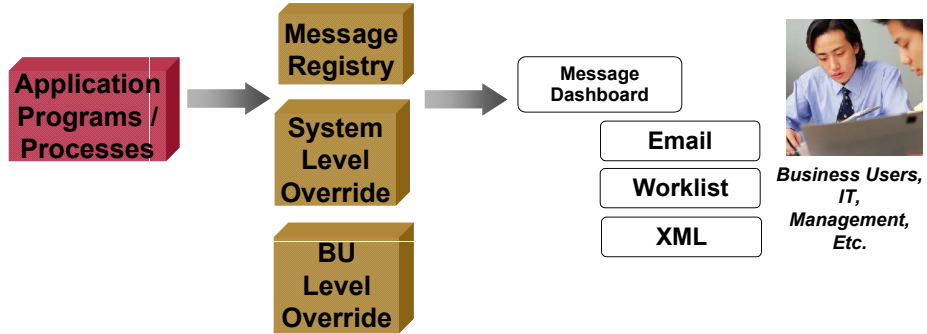
## **EWN Framework**

### **Overview**

- What is the EWN Framework?
  - Simply stated, the Errors, Warnings and Notifications Framework is a way to facilitate communication between different areas of your business
    - A CSR needs to know when the Warehouse has made a change to an order that might affect the customer
    - A Manufacturing Supervisor needs to know when a Sales Order has changed that might affect production

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# EWN Framework



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## **EWN Framework**

### **Overview**

- What is the Message Dashboard?
  - The Message Dashboard is the central repository for errors, warnings and notifications
    - Notifications via email, worklist or XML will also be contained in the Message Dashboard
    - You can optionally search / inquire from the Message Dashboard

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**The Message Dashboard is a central place to view information related to messages, warnings, and errors that occur within many batch or online processes throughout the system. In addition to viewing information within the Message Dashboard, a user can receive notifications when these messages occur using an email, a worklist entry, or an XML message. The Message Dashboard provides information such as descriptive text, links, and context information, which helps the user make a decision when certain conditions occur during batch and online processes.**

# EWN Framework Overview

- What is the Message Dashboard?

The screenshot shows the Oracle EWN Framework Message Dashboard. On the left is a navigation menu with categories like 'Set Up Financials/Supply', 'Chain', 'Security', 'Upgrade', 'Business Unit Related', 'Common Definitions', 'Accounting Entry', 'Templates', 'Activities', 'Activity Monitor', 'Agency Location Codes', 'Approvals', 'Attachments', 'Bank Branch File', 'Calendars/Schedules', 'Cash Processing', 'Codes and Auto Numbering', 'Credit Card Encryption', 'Currency', 'Customers', 'Design ChartFields', 'Distribution Accounting', 'Document Sequencing', 'Documentum', 'EFT', 'Email Collaborations', 'Employee Data', 'Entry Event', and 'Errors and Warnings'. The main area is titled 'Message Dashboard' and contains a 'Selection Criteria' section with search filters for Process Name (IN\_RESERVATIONS), Date From (11/01/2007), To (11/09/2007), Process Category (UNRESERVE\_SHORTWB), Status, Business Unit, Worklist User ID, and Process Instance. A 'Search' button is located below these filters. Below the search criteria is a 'Search Results' table with columns for Status, Date Time Added, Process Name, Process Category, Seq, and Log Message. The table contains three rows of data, each with a 'Log Message' column containing a hyperlink.

Status	Date Time Added	Process Name	Process Category	Seq	Log Message
Open	11/07/07 8:10:35.000000PM	IN_RESERVATIONS	UNRESERVE_SHORTWB	9	<a href="#">Stock Request (Business Unit: US010, Order No: DPMSR000023, Order Line: 1, Schedule Line Number: 1.)</a>
Open	11/07/07 8:46:40.000000AM	IN_RESERVATIONS	UNRESERVE_SHORTWB	7	<a href="#">Stock Request (Business Unit: US010, Order No: DPMSR02386, Order Line: 1, Schedule Line Number: 1.)</a>
Open	11/07/07 8:46:19.000000AM	IN_RESERVATIONS	UNRESERVE_SHORTWB	1	<a href="#">Stock Request (Business Unit: US010, Order No: DPMSR02387, Order Line: 1, Schedule Line Number: 1.)</a>

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Click on the Log Message hyperlink

# EWN Framework

## Overview

- What is the Message Dashboard?
  - Message Detail

### Message Detail

**Process Name:** IN\_RESERVATIONS      **Category:** UNRESERVE\_SHORTWB  
**Sequence:** 9      **Date Time:** 11/07/07 8:10:35.000000PM

**Message**  
Stock Request (Business Unit: US010, Order No: MSR0000023, Order Line: 1, Schedule Line Number: 1, Item: 10005) reserved quantity has been reduced by 100 (Std. UOM). [View Transaction Detail](#)

**Message Details**  
**\*Status:**  [View Email Addresses](#)  
**User ID:** VP1 [View Context Values](#)  
**Role Name:** EMPLOYEE

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## **EWN Framework**

### **Overview**

- Why should I use the EWN Framework?
  - Reduces the burden of having individuals remember to contact others when changes are made to transactions
  - Can be extended to cover additional changes with fairly minor customizations

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## **EWN Usage in PeopleSoft Enterprise**

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## **EWN Usage in PeopleSoft Enterprise**

- Inventory
- Order Management
- Purchasing
- Manufacturing
- Maintenance Management

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## **EWN Usage in PeopleSoft Enterprise Inventory**

- Inventory Categories
  - Demand
    - Changes to demand from a CSR that the Inventory Supervisor needs to know about
    - Changes to demand from the Warehouse that a CSR needs to know about
    - Kit Re-explode has taken place
  - Pegging
    - Supply or demand has been changed
      - Quantities, Dates, Cancellations
    - Peg Chain has been broken
    - Pegged Supply has been received or put away
  - Reservations
  - Shipping

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## **EWN Usage in PeopleSoft Enterprise Inventory**

- Inventory Categories (cont.)
  - Reservations
    - Backorder notification
    - Hard allocation, deallocation or unpromise has occurred in the Shortage Workbench
    - Reservation (from Reservation Rules) has occurred
  - Shipping
    - Notification that Shipping Documents may need to be reprinted due to a change in the shipment

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## **EWN Usage in PeopleSoft Enterprise**

### **Order Management**

- Order Management Categories
  - Billing
    - Incomplete Fulfillment on a Counter Sale
  - Pegging
    - Supply or demand has been changed
      - Quantities, Dates, Cancellations, Hard to Soft, Closed Supply, Broken Peg
    - Pegged Supply has been put away
  - Reservations
    - Backorder notification
    - Hard allocation, deallocation or unpromise has occurred in the Shortage Workbench
    - Reservation (from Reservation Rules) has occurred

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## **EWN Usage in PeopleSoft Enterprise Manufacturing**

- Manufacturing
  - Pegging
    - Demand changes
      - Quantities, Dates, Cancellations, Break, Close

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## **EWN Usage in PeopleSoft Enterprise**

### **Purchasing**

- Purchasing
  - Requisition and PO Pegging
    - Demand changes
      - Quantities, Dates, Cancellations, Break, Close
  - Vendor Rebates
    - Notification of Rebate Manager, Settlement Manager and Claims Manager

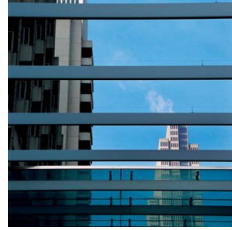
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## **EWN Usage in PeopleSoft Enterprise Maintenance Management**

- Maintenance Management
  - Pegging
    - Supply has been changed
      - Quantities, Dates, Cancellations, Closed, Broken Peg
    - Pegged Supply has been put away
  - Reservations
    - Backorder notification
    - Hard allocation, deallocation has occurred in the Shortage Workbench

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# Setting up and Using the EWN Framework



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## Setting Up and Using the EWN

### Example

- Un-Reserving Stock in the Shortage Workbench
  - This delivered notification will be triggered when a user un-reserves stock from the Shortage Workbench
  - The notification goes to the user specified on the System or BU Level Notification.
    - Note... for Sales Orders, the notification would go to the 'Order Owner'.

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# Setting Up and Using the EWN

## Example

### • Message Registry

The screenshot shows the Oracle Message Registry configuration interface. On the left is a navigation menu with categories like 'Set Up Financials/Supply Chain', 'Common Definitions', and 'Errors and Warnings'. The 'Message Registry' option is selected. The main area is titled 'Message Registry' and contains the following fields and sections:

- Process Name:** IN\_RESERVATIONS
- Process Category:** UNRESERVE\_SHORTWB
- Description:** Unreserving IN in Shortage WB
- Description (Text Area):** Unreserve IN demand in the Shortage Workbench
- Allow Users to Override...:** Includes checkboxes for  Worklist Notifications,  Email Notifications, and  XML Notifications.
- Custom Action:** Pre-Processing User Exit

At the bottom of the main area are buttons for 'Save', 'Return to Search', 'Notify', 'Add', and 'Update/Display'. The top right corner has links for 'New Window' and 'Customize Page'. The Oracle logo is visible in the bottom right corner of the page.

# Setting Up and Using the EWN

## Example

- System-Level Notification

The screenshot shows the Oracle EWN configuration interface for System-Level Notifications. On the left is a navigation menu with categories like 'Set Up Financials/Supply Chain', 'Common Definitions', and 'Errors and Warnings'. The main content area is titled 'System-Level Notifications' and includes fields for 'Process Name' (IN\_RESERVATIONS) and 'Process Category' (UNRESERVE\_SHORTWB). There are checkboxes for 'Disable All Notifications', 'Disable Worklist Notification', 'Disable Email Notification', and 'Disable XML Notification'. The 'Override Email Notification' section contains a table with two rows of email addresses. At the bottom, there are buttons for 'Save', 'Return to Search', 'Notify', 'Add', and 'Update/Display'.

**Menu**

- Set Up Financials/Supply Chain
- Install
- Security
- Upgrade
- Business Unit Related
- Common Definitions
  - Accounting Entry Templates
  - Activities
  - Activity Monitor
  - Agency Location Codes
  - Approvals
  - Attachments
  - Bank Branch File
  - Calendars/Schedules
  - Cash Processing
  - Codes and Auto Numbering
  - Credit Card Encryption
  - Currency
  - Customers
  - Design ChartFields
  - Distribution Accounting
  - Document Sequencing
  - Documentum
  - EFT
  - Email Collaborations
  - Employee Data
  - Entry Event
- Errors and Warnings
  - Message Dashboard
  - Message Details
  - Message Registry
  - System-Level Notifications

[New Window](#) | [Customize Par](#)

### System-Level Notifications

**Process Name:** IN\_RESERVATIONS  
**Process Category:** UNRESERVE\_SHORTWB

**Disable All Notifications**

**Notifications**

**Disable Worklist Notification**

**Override Worklist Notification**

**Role:** EMPLOYEE  
**User ID:** VP1

**Disable Email Notification**

**Override Email Notification** [Customize](#) | [Find](#) | [View All](#) | [First](#) | 1-2 of 2 | [Last](#)

Email Option	Email Address		
Address	frank.dambrose@oracle.com	+	-
Address	mike.lizio@oracle.com	+	-

**Disable XML Notification**

[Save](#) | [Return to Search](#) | [Notify](#) | [Add](#) | [Update/Display](#)

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# Setting Up and Using the EWN

## Example

- BU-Level Notification



The screenshot shows the Oracle EWN interface for configuring BU-Level Notifications. On the left is a 'Menu' tree with 'BU-Level Notifications' selected. The main area is titled 'BU-Level Notifications' and contains a search form. The search criteria are: Process Name (begins with IN\_RESERVATIONS), Process Category (begins with UNRESERVE\_SHORTTW), and Business Unit (begins with). The 'Active' checkbox is unchecked. The search results show 'No matching values were found.' Buttons for 'Search', 'Clear', 'Basic Search', and 'Save Search Criteria' are visible. At the bottom right of the page is the 'ORACLE' logo.

# Setting Up and Using the EWN

## Example

- Shortage Workbench Template
- Reason Code Prompting (optional)

The screenshot shows the Oracle EWN configuration interface for the Shortage Workbench Template. The left-hand menu is expanded to 'Fulfillment Rules' > 'Setup Fulfillment' > 'Reservation/Backorder Rules'. The main window has two tabs: 'Definition' (selected) and 'Permissions'. The 'Definition' tab displays the following information:

- Template Code:** SHORT\_WRKBNCH
- Last Changed By:** DVP1
- Template ID:** BASIC
- Last Update:** 04/06/06 8:37:06AM
- Description:** Basic (with a search input field)
- Active**

Below this information are sections for 'Categories' and 'Subcategories', each with a search field and navigation buttons. The 'Field List' section contains a table with the following data:

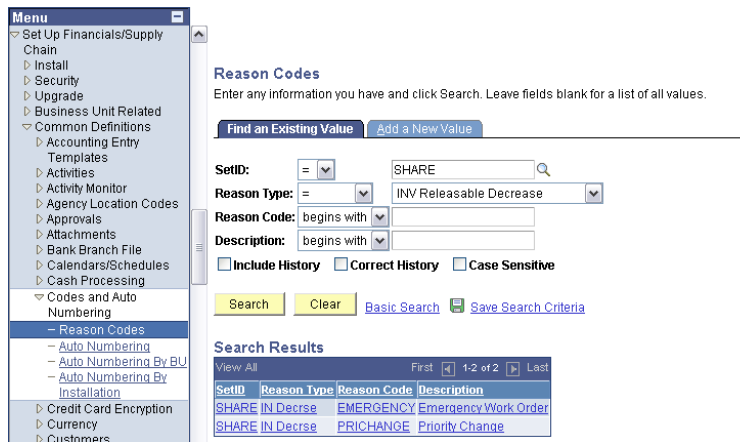
Seq Nbr	Field Name	Required	Display	Display Mode	Default From	Default To
<input type="checkbox"/> 51	Control Reason Code Prompting	<input checked="" type="checkbox"/>	1st Column	Editable	Required	

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# Setting Up and Using the EWN

## Example

- Reason Codes
  - Only required if reason codes will be entered on WB



The screenshot shows the Oracle EWN Reason Codes search interface. On the left is a navigation menu with categories like 'Set Up Financials/Supply Chain', 'Common Definitions', and 'Codes and Auto Numbering'. The 'Reason Codes' option is selected. The main area is titled 'Reason Codes' and contains a search form with fields for SetID, Reason Type, Reason Code, and Description. Below the form are search buttons and a 'Search Results' table.

**Reason Codes**  
Enter any information you have and click Search. Leave fields blank for a list of all values.

[Find an Existing Value](#) [Add a New Value](#)

SetID: = [SHARE]

Reason Type: = [INV Releasable Decrease]

Reason Code: begins with

Description: begins with

Include History  Correct History  Case Sensitive

[Search](#) [Clear](#) [Basic Search](#) [Save Search Criteria](#)

**Search Results**  
View All First 1-2 of 2 Last

SetID	Reason Type	Reason Code	Description
SHARE IN Decre	EMERGENCY	EMERGENCY	Emergency Work Order
SHARE IN Decre	PRICHANGE	PRICHANGE	Priority Change

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# Setting Up and Using the EWN

## Example

- Item Availability

[New V](#)

### Item Balance By Unit

**Unit:** US010  
**Item ID:** 10005  
Switchback Mountain Biking Shorts, Men's  
**Std UOM:** EA

<b>Quantity On Hand:</b>	4105.0000	<b>Qty Owned:</b>	4105.0000
<b>Qty Available:</b>	1142.0000	<b>Qty Reserved:</b>	2963.0000
<b>Replenish Lead (Days):</b>	0.00		

History Information	
<b>Last Adjustment:</b>	<b>Last Putaway:</b> 12/20/2002
<b>Last Order Date:</b>	<b>Last Order:</b>

[Item Balance By All Units](#)    [Item Balance By Location](#)    [Item Fulfillment Status](#)

[Return to Search](#)    [Notify](#)

# Setting Up and Using the EWN

## Example

- Create an MSR

The screenshot displays the Oracle EWN interface for creating or updating stock requests. On the left, a 'Menu' pane shows a tree view with 'Inventory' expanded, and 'Stock Requests' > 'Create/Update Stock Request' selected. The main area is titled 'Create/Update Stock Requests' and contains the following fields and controls:

- Buttons: 'Find an Existing Value' and 'Add a New Value'.
- Business Unit: 'US010' with a search icon.
- Order No.: 'NEXT' with a search icon.
- Request Type: 'Internal Issue' dropdown menu.
- 'Add' button.
- Footer: 'Find an Existing Value | Add a New Value'.

# Setting Up and Using the EWN

## Example

- Create an MSR

Create/Update Stock Request

### Stock Request Summary

Reserve

Unit: US010 Override GL:  In Process No

Order No: MSR0000023 \*Increment Demand Line: Order Line  Partial Orders Can Ship

#### Line Defaults

Name:

Ship Cust: USA - Illinois

Location: US004 [Override Address](#) USA - Illinois

Load ID:  [Detail](#)

Carrier ID:

Distrib. Type:

Load Schedule:

Schedule Date: 11/07/2007 7:50PM

Ship Via:

[Request Kit](#)  
[Override ChartFields](#) [Copy to Existing Demand Lines](#)

#### Demand Lines

Customize | Find | View All | First | 1 of 1 | Last

Line	Schedule	Demand	Item ID	Qty Requested	UOM	Schedule Date	Schedule Time
1	1	1	10005	100.0000	EA	11/07/2007	7:50PM

Line Menu:

Summary [Quantity / Date Detail](#) [Shipment Detail](#) [Accounting / IUT Detail](#) [Reservation / Backorder Rules](#) [Comments](#) [Custom](#)

Go To: [Manage Loads](#) [Stock Requests](#) [Report Manager](#)

Save Notify Refresh

Add Update/Display

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# Setting Up and Using the EWN

## Example

- Reserve the MSR

Menu

- Inventory
  - Maintain Storage
    - Locations
    - Putaway Stock
    - Manage Inventory
  - Fulfill Stock Orders
    - Fulfillment Rules
    - Routes and Loads
    - Stock Requests
    - Picking
    - Shipping
    - Shipping Reports
    - Inventory Planning
    - Messages
  - Review Fulfillment Information
    - Fulfillment Status
    - InterUnit Stock Status
    - InterUnit Stock Level
    - Reserved Material Stock
    - Stock Requests**
    - Kit Re-Explode Results
    - Shipping Backlogs
    - Shipping Container Hierarchy
    - Shipping Serials
    - Reservation/Backorder Rules
    - Financial Sanctions
  - Shipping Excise IND
    - Fulfillment Workbench
    - Shortage Workbench
    - Screen for Denied Parties

New Window | Customize Pa...

### Stock Requests

'Unit: US010 Search

Find | View All First 1 of 1 Last

Source: IN Src BU: US010 Order No: MSR0000023 Line: 1 Schedule: 1 Demand: 1

Item ID: 10005 Ship Cust: USA - Illinois

Switchback Mountain Biking Sho Ship Via: Carrier ID: Dest Unit:

Status		Dates	
<b>Fulfillment State:</b>	Releasable	<b>Requested:</b>	11/07/2007
<b>Reservation Status:</b>	Fully Reserved, All Rules Met	<b>Earliest:</b>	11/07/2007 7:50PM
<b>Quantity</b>	( EA ) DateTime	<b>Scheduled:</b>	11/07/2007 7:50PM
<b>Pegged:</b>		<b>Sched Arrv:</b>	11/07/2007 7:50PM
<b>Reserved:</b>	100.0000 11/07/2007 8:00PM		
<b>Released:</b>	100.0000 (Planned)		
<b>Allocated:</b>			
<b>Confirmed:</b>			
<b>Shipped:</b>			
<b>Depleted:</b>			
<b>Canceled:</b>			

Quantities	
<b>Requested:</b>	100.0000 ( EA )
<b>Ship:</b>	0.0000

Backorder  
 Approved  
 Hold

[Order Details](#) [Picking Details](#) [Requisition Details](#) [Configuration Code](#) [Reservation / Backorder Rules](#) [Comments](#)

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# Setting Up and Using the EWN

## Example

- Un-reserve the MSR using the Shortage Workbench

**Menu**

- Inventory
  - Maintain Storage
  - Locations
  - Putaway Stock
  - Manage Inventory
- Fulfill Stock Orders
  - Fulfillment Rules
  - Routes and Loads
  - Stock Requests
  - Picking
  - Shipping
  - Shipping Reports
  - Inventory Planning
  - Messages
  - Review Fulfillment Information
  - Shipping Excise IND
  - Fulfillment Workbench
  - Shortage Workbench**
  - Screen for Denied Parties
- Replenish Inventory
- Replenish Par Locations

[New Win](#)

**Shortage Workbench**

Business Unit: US010    Template ID: BASIC    View By: Demand Lines View

**Selection Criteria**

<input type="checkbox"/> Select Unfulfilled	<input checked="" type="checkbox"/> Select Releasable
<input type="checkbox"/> Select WO Lines	<input type="checkbox"/> Exclude Backordered Lines
<input type="checkbox"/> Exclude Fully Reserved Lines	<input type="checkbox"/> Exclude Pegged Lines
<input type="checkbox"/> Display Shortages Only	*Filter Unfulfilled Lines: All
Display Unapproved: [dropdown]	Selection Date: [calendar]
Select by Date: [dropdown]	Use Lead Days: [dropdown]
Selection Time: [input]	Source: IN
Lead Days for Calendar: [input]	Order No: msr0000023
Source Bus Unit: us010	Order Line: [input]
Order Line: [input]	Schedule Line Number: [input]

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# Setting Up and Using the EWN

## Example

- Un-reserve the MSR using the Shortage Workbench

### Demand Lines

Business Unit: US010    Template ID: BASIC

Demand Filters

Detail Action: Unreserve    Process

Reason Code Defaulting

Select All    Deselect All

Demand Lines											
Customize   Find   View All   First   1 of 1   Last											
Demand Information    Quantity Std UOM    Quantity Order UOM    Rules / Status    Shipping    Destination    Reference Keys    Work Order    (EWT)											
	Source Key	Order Key	Item ID	Reserve Type	Fulfillment State	Unplanned Quantity Base	Peaked Quantity	Planned Release Base	Line Action	Reason Code	Comments
1	<input checked="" type="checkbox"/>	INUS010	MSR0000023/1/1/1	10005	Soft	Releasable		100.0000		EMERGI	

Select All    Deselect All

[Search Criteria Page](#)

[Return to Search](#)

# Setting Up and Using the EWN

## Example

- Check the Status of the MSR

The screenshot displays the Oracle EWN 'Stock Requests' interface. On the left is a navigation menu with categories like Inventory, Locations, and Fulfillment Rules. The main window shows details for a stock request with the following information:

- Unit:** US010
- Source:** IN, **Src BU:** US010, **Order No:** MSR0000023, **Line:** 1, **Schedule:** 1, **Demand:** 1
- Item ID:** 10005, **Ship Cust:** USA - Illinois, **Ship Via:**, **Carrier ID:**, **Dest Unit:**
- Item Description:** Switchback Mountain Biking Sho

The 'Status' section shows:

- Fulfillment State:** Unfulfilled
- Reservation Status:** Pending Reservation
- Quantity:** ( EA )

The 'Dates' section shows:

- Requested:** 11/07/2007
- Earliest:** 11/07/2007 7:50PM
- Scheduled:** 11/07/2007 7:50PM
- Sched Arrv:** 11/07/2007 7:50PM

The 'Quantities' section shows:

- Requested:** 100.0000 ( EA )
- Ship:** 0.0000

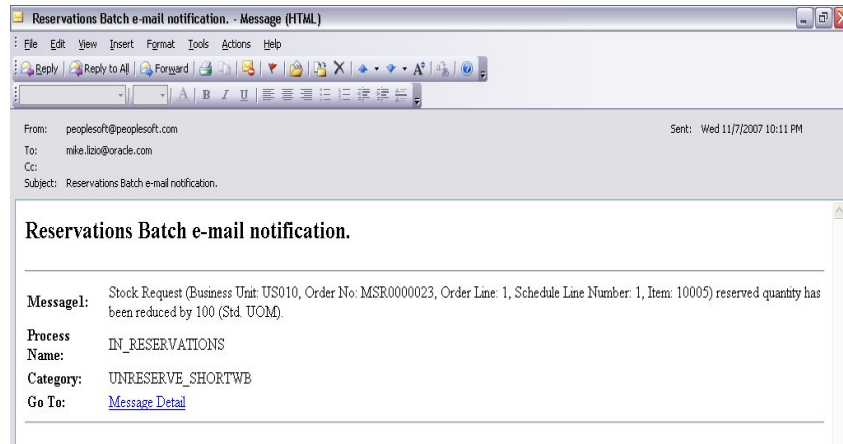
At the bottom, there are checkboxes for **Backorder** (unchecked), **Approved** (checked), and **Hold** (unchecked). Navigation links at the bottom include [Order Details](#), [Picking Details](#), [Requisition Details](#), [Configuration Code](#), [Reservation / Backorder Rules](#), and [Comments](#).

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# Setting Up and Using the EWN

## Example

- Notification Generated!!
- EMAIL



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# Setting Up and Using the EWN

## Example

- Notification Generated!!
- Work-list

The screenshot displays the Oracle EWN (Error and Warning Notification) interface. On the left is a 'Menu' sidebar with options like 'General Ledger', 'Allocations', and 'Worklist'. The main area shows a 'Worklist for VP1: Kenneth Schumacher'. A 'Work List Filters' dropdown is set to 'Error and Warning Notification'. Below this is a table with one entry:

From	Date From	Work Item	Worked By Activity	Priority	Link
Kenneth Schumacher	11/07/2007	Error and Warning Notification	Error and Warning Message		<a href="#">IN RESERVATIONS, UNRESERVE_SHORTWB_1</a>

At the bottom right of the interface, the 'ORACLE' logo is visible.

# Setting Up and Using the EWN

## Example

- Notification Generated!!
  - Work-list

### Message Detail

**Process Name:** IN\_RESERVATIONS      **Category:** UNRESERVE\_SHORTWB  
**Sequence:** 1      **Date Time:** 11/07/07 8:46:19.000000AM

#### Message

Stock Request (Business Unit: US010, Order No: DPMSR02387, Order Line: 1, Schedule Line Number: 1, Item: 10004) reserved quantity has been reduced by 483 (Std. UOM) [View Transaction Detail](#)

#### Message Details

**\*Status:**  [View Email Addresses](#)  
**User ID:** VP1 [View Context Values](#)  
**Role Name:** EMPLOYEE

Save View Worklist Previous in Worklist Next in Worklist Notify

# Setting Up and Using the EWN

## Example

- Notification Generated!!
- Message Dashboard

### Message Dashboard

**Selection Criteria**

Process Name:	<input type="text" value="IN_RESERVATIONS"/>	Date From:	<input type="text" value="11/07/2007"/>	To:	<input type="text" value="11/07/2007"/>
Process Category:	<input type="text"/>	Status:	<input type="text"/>		
Business Unit:	<input type="text"/>				
Worklist User ID:	<input type="text"/>	Search Key Name:	<input type="text"/>		
Process Instance:	<input type="text"/>	Search Key Value:	<input type="text"/>		

Search Results Customize | Find | View All | First | 1-8 of 8 | Last

Status	Date Time Added	Process Name	Process Category	Seq	Log Message
Open	11/07/07 8:10:39.000000PM	IN_RESERVATIONS	BATCHEMAIL	10	<a href="#">Shortage Workbench batch e-mail notification event</a>

# Setting Up and Using the EWN

## Example

- Notification Generated!!
- Message Dashboard

### Message Detail

**Process Name:** IN\_RESERVATIONS      **Category:** BATCHEMAIL  
**Sequence:** 10      **Date Time:** 11/07/07 8:10:39.000000PM

**Message**  
Shortage Workbench batch e-mail notification event

### Message Details

\*Status:  ▾

### Message Context Values

Message Context Values	
Name	Value
EWN_CATEGORY	BATCHEMAIL
EWN_PRCS_NAME	IN_RESERVATIONS
IN_PEG_EMAIL_GROUP	15712
RECORD_NAME	IN_BATEMAIL_CTX
SEQ_NBR_EWN	10

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## **How to Extend the EWN for Your Business**

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## Extending EWN

- Steps necessary to enable EWN processing with delivered messages
- Creating a Custom Notification



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# Enabling EWN

## 1 - Set up URL for EMP\_SERVLET

The screenshot shows the Oracle PeopleTools interface. On the left is a navigation menu with categories like PeopleTools, Security, and Utilities. The 'Administration' sub-menu is expanded, showing various system utilities. The main content area is titled 'URL Maintenance' and displays details for a URL with the identifier 'EMP\_SERVLET'. The 'URL' field is highlighted with a red box and contains the text 'http://adntas85.peoplesoft.com:6300/psp/EM\_EP900TM1\_TS101125/EMPLOYEE/EF'. Below the form are buttons for 'Save', 'Return to Search', 'Notify', 'Add', and 'Update/Display'.

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Home | Worklist | Multichannel Console | Add to Favorites

New Window | Customize Page

Menu

- PeopleTools
- Mobile Sync Framework
- Security
- Utilities
- Administration
  - PeopleTools Options
  - Messsage Catalog
  - System Dictionary
  - Translate Values
  - Load Application Server Cache
  - Tablespace Utilities
  - Tablespace Management
  - DDL Model Defaults
  - Shrims Table
  - Lookup Exclusion Table
  - XML Link Function Registry
  - Merchant Categories
  - Merchant Information
  - TableSet IDs
  - Record Group
  - TableSet Control
  - Connect Panels to Pages
  - Updates - View All
  - Updates by Release Label
  - Updates by Update ID
  - Remote Database Connection
  - URLs

URL Maintenance

URL Identifier: EMP\_SERVLET

Description: Employee portal servlet

URL: **http://adntas85.peoplesoft.com:6300/psp/EM\_EP900TM1\_TS101125/EMPLOYEE/EF**

Comments: Example: http://servername/psp/employeeportaldomain/

Save Return to Search Notify Add Update/Display

Setup the EMP\_SERVLET.

Navigation: People Tools > Utilities > Administration > URLs

# Enabling EWN

2 – Activate the local Node.

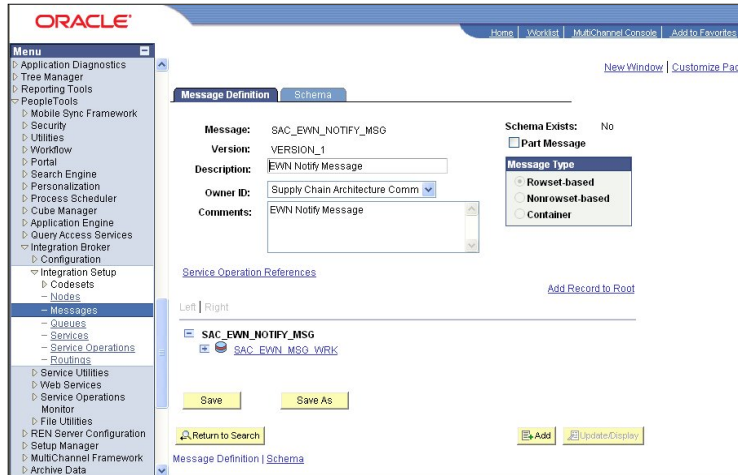
The screenshot shows the Oracle PeopleTools interface for Node Definitions. The left-hand menu is expanded to 'Integration Setup > Code Sets > Nodes'. The main form displays the configuration for a node named 'EP900TM1'. The 'Node Type' is 'PIA'. The 'Authentication Option' is set to 'Password'. The 'Default Local Node' checkbox is checked. The 'Active Node' checkbox is highlighted with a red box. Other options include 'Local Node', 'Non Replication', and 'Segment Aware'. The 'Default User ID' is 'VP1'. The 'Hub Node', 'Master Node', and 'Company ID' fields are empty. The 'IB Throttle Threshold' is also empty. The 'Image Name' and 'Code Set Group Name' fields are empty. The 'Save' button is highlighted in yellow.

**Make sure the Node is setup for your database.**

**Navigation: People Tools > Integration Broker > Integration Setup > Nodes**

# Enabling EWN

## 3 - Ensure that Message exists for SAC\_EWN\_NOTIFY\_MSG



**Make sure the Messages are setup for SAC\_EWN\_NOTIFY\_MSG.  
Navigation: People Tools> Integration Broker > Integration Setup > Messages**

# Enabling Errors and Warnings

4 - Ensure that the Queue Definition is set up for SAC\_EWN\_MSG\_CHNL

The screenshot shows the Oracle Integration Broker interface for configuring a queue. The queue name is SAC\_EWN\_MSG\_CHNL, with a description of 'EWN Message Channel'. The queue status is set to 'Run' and the object owner is 'SC Arch'. A comment states: 'This message channel is intended for private internal use to allow asynchronous processing of error'. Under 'Operations Assigned to Queue', two operations are listed: SAC\_EWN\_MSG VERSION\_1 and SAC\_EWN\_NOTIFY\_MSG VERSION\_1. A 'Common Fields' table is highlighted with a red box, showing the following fields checked for inclusion:

Include	Field	Alias Name
<input checked="" type="checkbox"/>	EWN_PRCS_NAME	
<input checked="" type="checkbox"/>	EWN_CATEGORY	
<input checked="" type="checkbox"/>	BUSINESS_UNIT	
<input checked="" type="checkbox"/>	PRCSINSTANCE	
<input type="checkbox"/>	EWN_NOTIFY_WRKLIST	
<input type="checkbox"/>	EWN_NOTIFY_APPMSG	
<input checked="" type="checkbox"/>	EWN_NOTIFY_EMAIL	
<input type="checkbox"/>	EWN_DISABLE_REG	
<input checked="" type="checkbox"/>	MESSAGE_SET_NBR	
<input checked="" type="checkbox"/>	MESSAGE_NBR	

**Make sure the Queues are setup for SAC\_EWN\_MSG\_CHNL. Make sure the appropriate common fields are checked as displayed.**

**Navigation: People Tools> Integration Broker > Integration Setup > Queues**

# Enabling EWN

## 5 - Ensure the SAC\_EWN\_NOTIFY\_MSG service is active

The screenshot shows the Oracle Service Manager console for the service `SAC_EWN_NOTIFY_MSG`. The 'General' tab is active, showing the following configuration:

- Service Operation:** SAC\_EWN\_NOTIFY\_MSG
- Service:** SAC\_EWN\_NOTIFY\_MSG
- Operation Type:** Asynchronous - One Way
- Operation Description:** EWN Notify Message
- Operation Comments:** (Empty)
- Object Owner ID:** Supply Chain Architecture
- Operation Alias:** (Empty)

The **Default Service Operation Version** section shows:

- Version:** VERSION\_1 (Selected)
- Default:**  (Checked)
- Active:**  (Checked)
- Version Description:** EWN Notify Message
- Version Comments:** (Empty)

The **Routing Status** section shows:

- Any-to-Local:** Does not exist
- Local-to-Local:** Does not exist

The **Routing Actions Upon Save** section shows:

- Generate Any-to-Local:**  (Unchecked)
- Generate Local-to-Local:**  (Unchecked)

The **Message Information** section shows:

- Type:** Request
- Message.Version:** SAC\_EWN\_NOTIFY\_MSG VERSION\_1
- Queue Name:** SAC\_EWN\_MSG\_CHNL

Buttons at the bottom include **Save**, [Return to Service](#), and [Add Version](#).

Ensure that the service is active for SAC\_EWN\_NOTIFY\_MSG. After getting to the service page click on the hyper link on SAC\_EWN\_NOTIFY\_MSG.VERSION\_1.

**Slide 46**

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**FD2** Frank D'Ambrose, 11/7/2007

# Enabling EWN

- Go to Routing tab and ensure that routing is active

The screenshot shows the Oracle Service Console interface. On the left is a navigation menu with categories like Application Diagnostics, Reporting Tools, PeopleTools, Mobile Sync Framework, Security, Utilities, Workflow, Portal, Search Engine, Personalization, Process Scheduler, Cube Manager, Application Engine, Query Access Services, Integration Broker, Configuration, Integration Setup, Codesets, Messages, Queues, Services, Service Operations, Routines, Service Utilities, Web Services, Service Operations, Monitor, File Utilities, and REN Server Configuration. The main area is titled 'Routing Definitions' and shows details for 'SAC\_EWN\_NOTIFY\_MSG'. The 'Default Version' is 'VERSION\_1'. Below this is a table with one row: SAC\_EWN\_NOTIFY\_MSG, VERSION\_1, Asynch, EP900TM1, PSFT\_XOUTBND, Outbound, and Active. The 'Active' status is highlighted with a red box. Below the table are buttons for 'Inactivate Selected Routines' and 'Activate Selected Routines', with the latter also highlighted with a red box. There is also a 'Save' button and a 'Return to Service' link.

Selected	Name	Version	Routing Type	Sender Node	Receiver Node	Direction	Status
<input type="checkbox"/>	SAC_EWN_NOTIFY_MSG	VERSION_1	Asynch	EP900TM1	PSFT_XOUTBND	Outbound	Active

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# Enabling EWN

## 6 - Ensure the Domain Is active

The screenshot displays the Oracle Administration console interface. On the left is a navigation menu with categories like 'Integration Broker', 'Service Operations', and 'Administration'. The main content area is titled 'Domain Status'. Under 'Domain Criteria', there are checkboxes for 'All Domains Active' and 'All Domains Inactive', along with buttons for 'Purge Domain Status', 'Refresh', and 'Update'. Below this is a 'Domains' table with columns for 'Failover Group', 'Failover Priority', 'Machine Name', 'Application Server Path', 'Domain Status', 'Grace Period', and 'Slave Indicator'. A red box highlights the row for 'ADNTAS85'. At the bottom is a 'Dispatcher Status' table with columns for 'Machine Name', 'Dispatcher Name', 'Application Server Path', 'Status String', and 'Date/Time Stamp', showing three rows with 'ACT' status.

**Domains don't get automatically get purged. If you are not getting messages posted you should press the button to Purge Domain Status. This will reload active domains. If your domain is not active, toggle it to active and hit the Update button.**

**Navigation: People Tools> Integration Broker > Service Operation > Administration > Domain Status**

# Enabling EWN

7 - Ensure that you have either a System Level Notification set up.

The screenshot shows the Oracle System-Level Notifications configuration interface. The left-hand menu is expanded to 'System-Level Notifications'. The main content area displays the following configuration:

- Process Name:** IN\_RESERVATIONS
- Process Category:** UNRESERVE\_SHORTYB
- Disable All Notifications**
- Disable Worklist Notification**
- Disable Email Notification**
- Disable XML Notification**

The 'Override Worklist Notification' section includes:

- Role:** EMPLOYEE
- User ID:** VP1

The 'Override Email Notification' section includes a table with the following data:

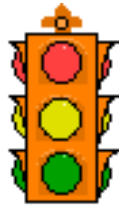
Email Option	Email Address
Address	frank.dambrose@oracle.com

At the bottom of the page, there are navigation buttons: Save, Return to Search, Previous in List, Next in List, Notify, Add, and Update/Display.

**In this example we've ensured that a system level notification exists for the unreserve notification in the shortage workbench.**

## Extending EWN

- Add your own Message Registry
  - You also have the option of using an existing message registry
- Add a system level notification
- Add a BU level notification (optional)
- Code Errors and Warning class
- Enter call to class in code that you want the notification sent



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## Extending EWN

- Add your own Message Registry

The screenshot shows the Oracle Message Registry configuration interface. On the left is a navigation menu with categories like 'SCM Integrations', 'Chain', 'Install', 'Security', 'Upgrade', 'Business Unit Related', 'Common Definitions', 'Accounting Entry', 'Templates', 'Activities', 'Activity Monitor', 'Agency Location Codes', 'Approvals', 'Attachments', 'Audit Logging', 'Bank Branch File', 'Calendars/Schedules', 'Cash Processing', 'Codes and Auto Numbering', 'Credit Cards', 'Currency', 'Customers', 'Design CharFields', 'Distribution Accounting', 'Document Sequencing', 'Documentum', 'EFT', 'Email Collaborations', 'Employee Data', 'Entry Event', 'Errors and Warnings', 'Message Dashboard', 'Message Registry', and 'System-Level'. The 'Message Registry' item is selected.

The main content area is titled 'Message Registry' and contains the following fields and sections:

- Process Name:** NOTIFICATION
- Process Category:** NOTIFICATION
- Description:** Add new notification
- Description:** A text area containing 'New Notification'
- Allow Users to Override...** section with three checked checkboxes:  Worklist Notifications,  Email Notifications, and  XML Notifications.
- Custom Action** section.
- Pre-Processing User Exit** section.
- Buttons at the bottom: Save, Return to Search, Previous in List, Next in List, Notify, Add, and Update Display.

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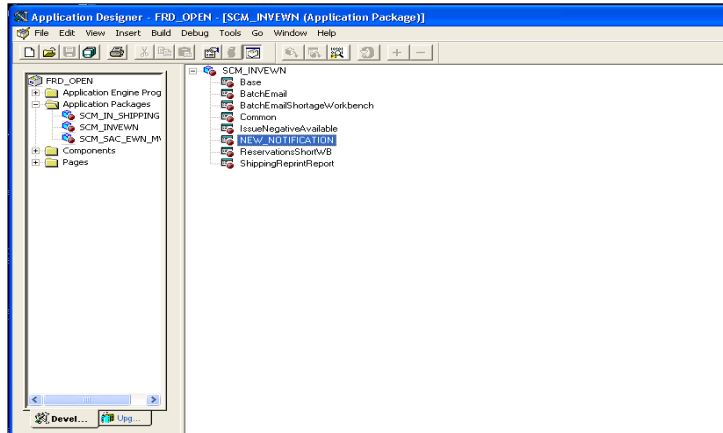
# Extending EWN

- Add a system level notification

The screenshot shows the Oracle System-Level Notifications configuration interface. On the left is a navigation menu with categories like 'Menu', 'Chain', 'Security', 'Upgrade', 'Business Unit Related', 'Common Definitions', 'Accounting Entry', 'Templates', 'Activities', 'Activity Monitor', 'Agency Location Codes', 'Approvals', 'Attachments', 'Audit Logging', 'Bank Branch File', 'Calendars/Schedules', 'Cash Processing', 'Codes and Auto Numbering', 'Credit Cards', 'Currency', 'Customers', 'Design CharFields', 'Distribution Accounting', 'Document Sequencing', 'Documentum', 'EFT', 'Email Collaborations', 'Employee Data', 'Entry Event', 'Errors and Warnings', 'Message Dashboard', 'Message Details', 'Message Registry', and 'System-Level Notifications'. The main content area is titled 'System-Level Notifications' and includes a 'Delete' link. It shows 'Process Name: NOTIFICATION' and 'Process Category: NOTIFICATION'. There are several sections for configuration: 'Disable All Notifications' (checkbox), 'Notifications' (checkbox), 'Disable Worklist Notification' (checkbox), 'Override Worklist Notification' (checkbox) with 'Role' and 'User ID' search fields, 'Disable Email Notification' (checkbox), 'Override Email Notification' (checkbox) with a table for email options, 'Disable XML Notification' (checkbox), and 'Override XML Notification' (checkbox) with a 'Node' search field. The table for 'Override Email Notification' has columns for 'Email Option' and 'Email Address', with one row containing 'Address' and 'frank.dambrose@oracle.com'. At the bottom are buttons for 'Save', 'Return to Search', 'Notify', 'Add', and 'Update/Display'.

## Extending EWN

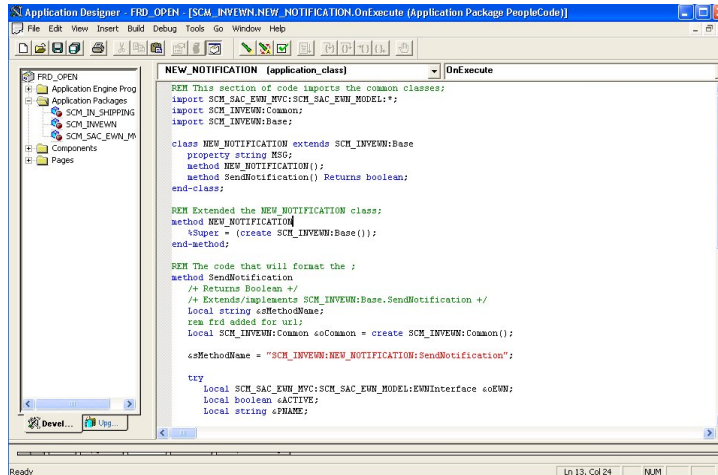
- Code Errors and Warning class
  - Application Package
    - Application Class
      - Methods



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## Extending EWN

- SCM\_INVEWN Application Package



```
Application Designer - FRD_OPEN [SCM_INVEWN.NEW_NOTIFICATION.OnExecute (Application Package: PeopleCode)]
File Edit View Insert Build Debug Tools Go Window Help
NEW_NOTIFICATION [application_class] OnExecute
REM This section of code imports the common classes:
import SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:*;
import SCM_INVEWN:Common;
import SCM_INVEWN:Base;

class NEW_NOTIFICATION extends SCM_INVEWN:Base
property string MSG;
method NEW_NOTIFICATION();
method SendNotification() Returns boolean;
end-class;

REM Extended the NEW_NOTIFICATION class;
method NEW_NOTIFICATION
%Super = (create SCM_INVEWN:Base());
end-method;

REM The code that will format the ;
method SendNotification
/* Returns Boolean +/
/* Extends/implements SCM_INVEWN:Base.SendNotification +/
Local string &sMethodName;
rem frd added for ucl;
Local SCM_INVEWN:Common &oCommon = create SCM_INVEWN:Common();
&sMethodName = "SCM_INVEWN:NEW_NOTIFICATION:SendNotification";

try
Local SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:EWNInterface &oEWN;
Local boolean &ACTIVE;
Local string &PNAME;
```

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```
REM This section of code imports the common classes;
import SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:*;
import SCM_INVEWN:Common;
import SCM_INVEWN:Base;
class NEW_NOTIFICATION extends SCM_INVEWN:Base
property string MSG;
method NEW_NOTIFICATION();
method SendNotification() Returns boolean;
end-class;
REM Extended the NEW_NOTIFICATION class;
method NEW_NOTIFICATION
%Super = (create SCM_INVEWN:Base());
end-method;
REM The code that will format the ;
method SendNotification
/* Returns Boolean +/
/* Extends/implements SCM_INVEWN:Base.SendNotification +/
Local string &sMethodName;
Local SCM_INVEWN:Common &oCommon = create SCM_INVEWN:Common();

&sMethodName = "SCM_INVEWN:NEW_NOTIFICATION:SendNotification";

try
Local SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:EWNInterface &oEWN;
Local boolean &ACTIVE;
Local string &PNAME;

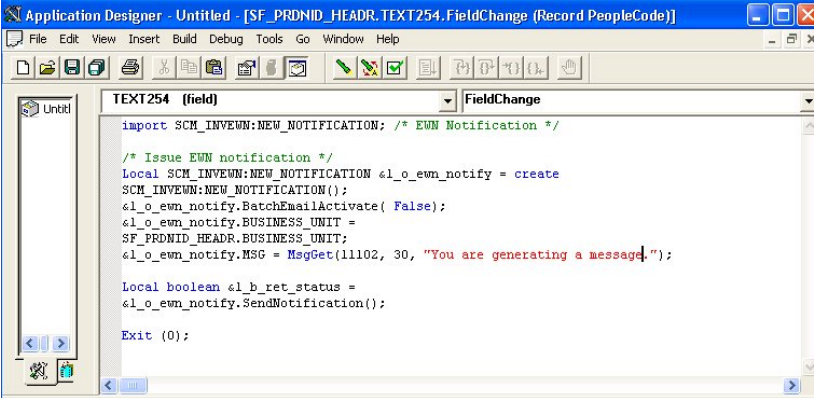
REM This controls what registry will be used to log the messages ;

%This.PROCESSNAME = "NOTIFICATION";
%This.CATEGORY = "NOTIFICATION";

&oEWN = create
SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:EWNInterface(%This.PROCESSNAME, 0);
&oEWN.EWNCategory = %This.CATEGORY;
&oEWN.EWNBusinessUnit = %This.BUSINESS_UNIT;
```

## Extending EWN

- PeopleCode to trigger notification



The screenshot shows the Oracle Application Designer interface. The title bar reads "Application Designer - Untitled - [SF\_PRDNID\_HEADR.TEXT254.FieldChange (Record PeopleCode)]". The main window displays the PeopleCode for the "FieldChange" event of the "TEXT254 (field)". The code is as follows:

```
import SCM_INVEWN:NEW_NOTIFICATION; /* EWN Notification */

/* Issue EWN notification */
Local SCM_INVEWN:NEW_NOTIFICATION &l_o_ewn_notify = create
SCM_INVEWN:NEW_NOTIFICATION();
&l_o_ewn_notify.BatchEmailActivate( False);
&l_o_ewn_notify.BUSINESS_UNIT =
SF_PRDNID_HEADR.BUSINESS_UNIT;
&l_o_ewn_notify.MSG = MsgGet(11102, 30, "You are generating a message.");

Local boolean &l_b_ret_status =
&l_o_ewn_notify.SendNotification();

Exit (0);
```

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```
import SCM_INVEWN:NEW_NOTIFICATION; /* EWN Notification */
```

```
/* Issue EWN notification */
```

```
Local SCM_INVEWN:NEW_NOTIFICATION &l_o_ewn_notify = create
SCM_INVEWN:NEW_NOTIFICATION();
```

```
&l_o_ewn_notify.BatchEmailActivate( False);
```

```
&l_o_ewn_notify.BUSINESS_UNIT =
SF_PRDNID_HEADR.BUSINESS_UNIT;
```

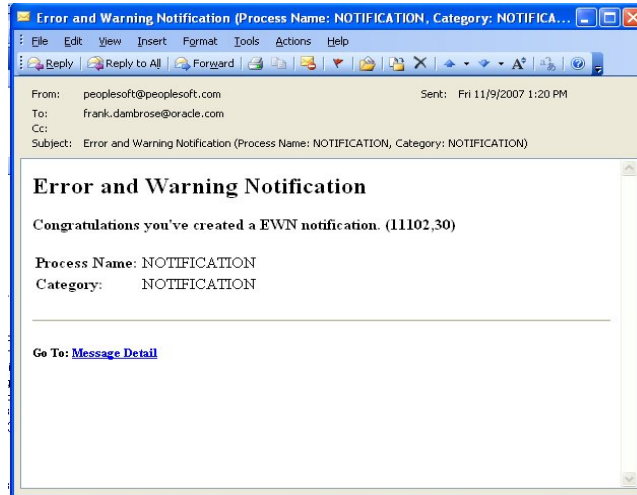
```
&l_o_ewn_notify.MSG = MsgGet(11102, 30, "You are generating a
message.");
```

```
Local boolean &l_b_ret_status =
&l_o_ewn_notify.SendNotification();
```

```
Exit (0);
```

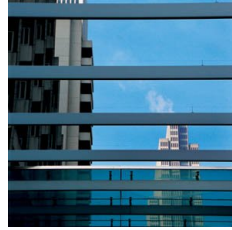


## Extending EWN



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**Sample Code for  
Extending EWN**



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## Sample Code

### Key to Changes

Black is code  
Green is comments  
Blue is the name of the class you are creating  
Red is the process name and category  
Pink is either formatting BU or error message

### New Notification Application Class

```
REM This section of code imports the common classes;  
import SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL*;  
import SCM_INVEWN:Common;  
import SCM_INVEWN:Base;
```

```
class NEW_NOTIFICATION extends SCM_INVEWN:Base  
property string MSG;  
method NEW_NOTIFICATION();  
method SendNotification() Returns boolean;  
end-class;
```

```
REM Extended the NEW_NOTIFICATION class;  
method NEW_NOTIFICATION  
%Super = (create SCM_INVEWN:Base());  
end-method;
```

```
REM The code that will initialize ;  
method SendNotification  
/+ Returns Boolean +/  
/+ Extends/implements  
SCM_INVEWN:Base.SendNotification +/  
Local string &sMethodName;  
Local SCM_INVEWN:Common &oCommon = create  
SCM_INVEWN:Common();  
  
&sMethodName =  
"SCM_INVEWN:NEW_NOTIFICATION:SendNotification";
```

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## Sample Code

```
try
  Local
  SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:EWNInte
rface &oEWN;
  Local boolean &ACTIVE;
  Local string &PNAME;

  REM This controls what registry will be used to log the
messages ;

  %This.PROCESSNAME = "NOTIFICATION";
  %This.CATEGORY = "NOTIFICATION";

  &oEWN = create
  SCM_SAC_EWN_MVC:SCM_SAC_EWN_MODEL:EWNInte
rface(%This.PROCESSNAME, 0);
  &oEWN.EWNCategory = %This.CATEGORY;
  &oEWN.EWNBusinessUnit = %This.BUSINESS_UNIT;
  REM This checks to see if the messageing is set up ;
  &ACTIVE = %This.IsProcessActive();

  If (&ACTIVE) Then
    REM This calls the function that actually logs the
message and creates the email;
    &oEWN.EWNRedirectURL =
&oCommon.GetRedirectUrl(%This.PROCESSNAME, %This.
CATEGORY);
    &oEWN.LogText(%This.MSG);

  End-If;

  Return True;

catch Exception &ex
```

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## Sample Code

```
&ex.Output();  
    Error (MsgGetText(18130, 15001, "Missing: Unhandled  
exception occurred in %1.", &sMethodName));  
    Return False;  
end-try;  
  
end-method;
```

---

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## Sample Code

### Field Change People Code

```
import SCM_INVEWN:NEW_NOTIFICATION; /* EWN
Notification */

/* Issue EWN notification */
Local SCM_INVEWN:NEW_NOTIFICATION
&l_o_ewn_notify = create
SCM_INVEWN:NEW_NOTIFICATION();
&l_o_ewn_notify.BatchEmailActivate( False);
&l_o_ewn_notify.BUSINESS_UNIT =
SF_PRDNID_HEADR.BUSINESS_UNIT;
&l_o_ewn_notify.MSG = MsgGet(11102, 30, "does this
print.");

Local boolean &l_b_ret_status =
&l_o_ewn_notify.SendNotification();

Exit (0);
```

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## Where to Get More Information

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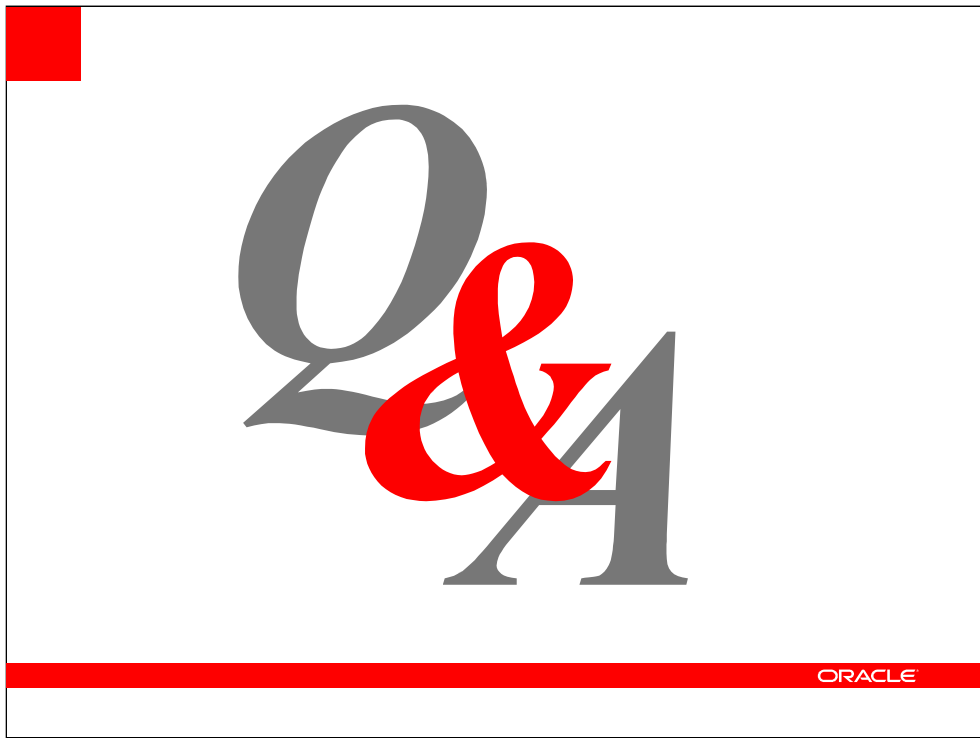
## For More Information

- PeopleBooks
  - PeopleBooks > PeopleSoft Enterprise Supply Chain Management 9.0 Common Information PeopleBook > Setting Up and Using the Message Dashboard
  - PeopleBooks search for EWN for individual notifications



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