

Oracle® Enterprise Install Base

Implementation Guide

Release 11*i*

Part No. B12032-01

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Oracle Enterprise Install Base Implementation Guide, Release 11i

Part No. B12032-01

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If you have problems with the software, please contact your local Oracle Support Services.

Preface

Audience for This Guide

Welcome to Release 11*i* of *Oracle Enterprise Install Base Implementation Guide*.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- The Oracle Applications graphical user interface.

To learn more about the Oracle Applications graphical user interface, read the *Oracle Applications User's Guide*.

See the Other Information Sources section in this chapter for more information about Oracle Applications product information.

How To Use This Guide

This document contains the information you need to understand and use Oracle Enterprise Install Base.

- Chapter 1 “Overview of Oracle Enterprise Install Base” provides overviews of the application and its components, explanations of key concepts, features, and functions, as well as the relationships of Oracle Enterprise Install Base to other Oracle and third-party applications.
- Chapter 2 “Implementation and Setup” provides detailed task based procedures for implementing and setting up Oracle Enterprise Install Base.
- Chapter 3 “Oracle Enterprise Install Base Administration” provides task based procedures that are required for ongoing maintenance of Oracle Enterprise Install Base.

- Chapter 4 “Oracle Enterprise Install Base API” describes the Workforce Management API procedures for Oracle Enterprise Install Base, which you can use to interface external workforce management systems with Oracle Enterprise Install Base.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Standards will continue to evolve over time, and Oracle Corporation is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For additional information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation

JAWS, a Windows screen reader, may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, JAWS may not always read a line of text that consists solely of a bracket or brace.

Other Information Sources

You can choose from many sources of information, including online documentation and support services, to increase your knowledge and understanding of Oracle Enterprise Install Base.

If this guide refers you to other Oracle Applications documentation, use only the Release 11*i* versions of those guides.

Online Documentation

All Oracle Applications documentation is available online (HTML or PDF). Online help patches are available on MetaLink.

Related Documentation

Oracle Enterprise Install Base shares business and setup information with other Oracle Applications products. Therefore, you may want to refer to other product documentation when you set up and use Oracle Enterprise Install Base.

You can read the documents online by choosing Library from the expandable menu on your HTML help window, by reading from the Oracle Applications Document Library CD included in your media pack, or by using a Web browser with a URL that your system administrator provides.

If you require printed guides, you can purchase them from the Oracle Store at <http://oraclestore.oracle.com>.

Documents Related to All Products

Oracle Applications User's Guide

This guide explains how to enter data, query, run reports, and navigate using the graphical user interface (GUI) available with this release of Oracle Enterprise Install Base (and any other Oracle Applications products). This guide also includes information on setting user profiles, as well as running and reviewing reports and concurrent processes.

You can access this user's guide online by choosing "Getting Started with Oracle Applications" from any Oracle Applications help file.

Documents Related to This Product

Oracle Enterprise Install Base User Guide

This guide provides overviews of Oracle Enterprise Install Base application and its components, explanations of key concepts and features.

Oracle Install Base User's Guide

This guide provides overviews of the Oracle Install Base application and its components, explanations of key concepts and features.

Oracle Inventory User's Guide

This guide provides overviews of the Oracle Inventory application and its components, explanations of key concepts and features.

Oracle Projects User's Guide

This guide provides overviews of the Oracle Projects application and its components, explanations of key concepts and features.

Oracle Assets User's Guide

This guide provides overviews of the Oracle Assets application and its components, explanations of key concepts and features.

Oracle Purchasing User's Guide

This guide provides overviews of the Oracle Purchasing application and its components and features and functions.

Oracle Payables User's Guide

This guide provides overviews of the Oracle Payables application and its components, explanations of key concepts and features.

Oracle Service Fulfillment Manager User's Guide

This guide provides overviews of the Oracle Service Fulfillment Manager application and its components, explanations of key concepts and features.

Oracle Applications Concepts

This guide provides an introduction to the concepts, features, technology stack, architecture, and terminology for Oracle Applications Release 11*i*. It provides a useful first book to read before an installation of Oracle applications. This guide also introduces the concepts behind Applications-wide features such as Business Intelligence (BIS), languages and character sets, and Self-Service Web Applications.

Installing Oracle Applications

This guide provides instructions for managing the installation of Oracle Applications products. In Release 11*i*, much of the installation process is handled using Oracle Rapid Install, which minimizes the time to install Oracle Applications, the Oracle8 technology stack, and the Oracle8*i* Server technology stack by automating many of the required steps. This guide contains instructions for using Oracle Rapid Install and lists the tasks you need to perform to finish your installation. You should use this guide in conjunction with individual product user's guides and implementation guides.

Oracle Applications Supplemental CRM Installation Steps

This guide contains specific steps needed to complete installation of a few of the CRM products. The steps should be done immediately following the tasks given in the Installing Oracle Applications guide.

Upgrading Oracle Applications

Refer to this guide if you are upgrading your Oracle Applications Release 10.7 or Release 11.0 products to Release 11*i*. This guide describes the upgrade process and lists database and product-specific upgrade tasks. You must be either at Release 10.7 (NCA, SmartClient, or character mode) or Release 11.0, to upgrade to Release 11*i*. You cannot upgrade to Release 11*i* directly from releases prior to 10.7.

Maintaining Oracle Applications

Use this guide to help you run the various AD utilities, such as AutoUpgrade, AutoPatch, AD Administration, AD Controller, AD Relink, License Manager, and others. It contains how-to steps, screenshots, and other information that you need to run the AD utilities. This guide also provides information on maintaining the Oracle applications file system and database.

Oracle Applications System Administrator's Guide

This guide provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and online help, and manage concurrent processing.

Oracle Alert User's Guide

This guide explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

Oracle Applications Developer's Guide

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards for Forms-Based Products*. It also provides information to help you build your custom Oracle Forms Developer 6*i* forms so that they integrate with Oracle Applications.

Oracle Applications User Interface Standards for Forms-Based Products

This guide contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications

products and how to apply this UI to the design of an application built by using Oracle Forms.

Other Implementation Documentation

Oracle Workflow Guide

This guide explains how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes. You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

Oracle Applications Flexfields Guide

This guide provides flexfields planning, setup and reference information for the *Oracle Enterprise Install Base* implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This manual also provides information on creating custom reports on flexfields data.

Oracle eTechnical Reference Manuals

Each eTechnical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for a specific Oracle Applications product. This information helps you convert data from your existing applications, integrate Oracle Applications data with non-Oracle applications, and write custom reports for Oracle Applications products. Oracle eTRM is available on Metalink

Oracle Manufacturing APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Manufacturing.

Oracle Order Management Suite APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Order Management Suite.

Oracle Applications Message Reference Manual

This manual describes Oracle Applications messages. This manual is available in HTML format on the documentation CD-ROM for Release 11i.

Oracle CRM Application Foundation Implementation Guide

Many CRM products use components from CRM Application Foundation. Use this guide to correctly implement CRM Application Foundation.

Support

Oracle Support

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep Oracle Enterprise Install Base working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle[®]8i server, and your hardware and software environment.

OracleMetaLink

OracleMetaLink is your self-service support connection with web, telephone menu, and e-mail alternatives. Oracle supplies these technologies for your convenience, available 24 hours a day, 7 days a week. With OracleMetaLink, you can obtain information and advice from technical libraries and forums, download patches, download the latest documentation, look at bug details, and create or update TARs. To use MetaLink, register at (<http://metalink.oracle.com>).

Alerts: You should check OracleMetaLink alerts before you begin to install or upgrade any of your Oracle Applications. Navigate to the Alerts page as follows: Technical Libraries/ERP Applications/Applications Installation and Upgrade/Alerts.

Self-Service Toolkit: You may also find information by navigating to the Self-Service Toolkit page as follows: Technical Libraries/ERP Applications/Applications Installation and Upgrade.

Do Not Use Database Tools to Modify Oracle Applications Data

*Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications data unless otherwise instructed.*

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using Oracle Applications can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support, and office automation, as well as Oracle Applications, an integrated suite of more than 160 software modules for financial management, supply chain management, manufacturing, project systems, human resources and customer relationship management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers and personal digital assistants, allowing organizations to integrate different computers, different operating systems, different networks, and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and applications products, along with related consulting, education, and support services, in over 145 countries around the world.

Overview of Oracle Enterprise Install Base

1.1 Definition of Oracle Enterprise Install Base

Oracle Enterprise Install Base is a tracking system that integrates with and stores information collected from Oracle Inventory, Oracle Purchasing, Oracle Projects, Oracle Assets, Oracle Payables and Oracle Install Base.

With Oracle Enterprise Install Base, you can give users access to tracking information without allowing them access to sensitive processes related to assets and purchasing. You can also track inventory items after they have been installed and link financial transactions to the physical movement of equipment.

Oracle Enterprise Install Base integrates with Oracle Install Base as its data repository. Every transaction that Oracle Enterprise Install Base tracks will be recorded in the Install Base transaction table and each record affected by such transactions will be recorded in the instance and instance history tables.

1.2 Inventory Item and Asset Tracking

To track inventory items and assets, Oracle Enterprise Install Base must interact with several enterprise resource planning (ERP) applications. It sends to and receives messages from those applications about the status and location of the items you want to track.

Oracle Enterprise Install Base provides an enterprise tracking and asset management system where all inventory, project and asset-related material information is stored, providing a 360-degree view of your assets. Users can locate materials anywhere in the system—in warehouses, on trucks, installed in the network, or on project sites, facilitating financial transactions using physical movements of material and equipment. In addition, Oracle Enterprise Install Base can provide a life-cycle history of all activity for that equipment.

An asset comprises a collection of items. The items may be trackable or not trackable; the tracking is carried out in Oracle Install Base and Oracle Enterprise Install Base.

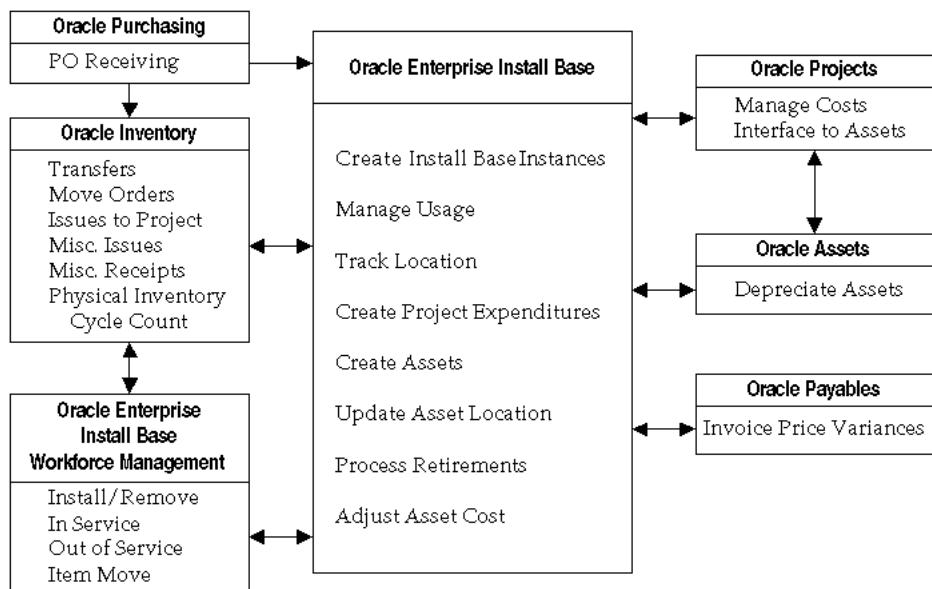
During implementation, items are designated as trackable at the item master level in Oracle Inventory. Oracle Enterprise Install Base tracks the activity of the trackable items through inventory, projects, and into fixed assets.

In Oracle Assets you perform the Mass Additions concurrent process to create assets.

1.2.1 Summary of Oracle Processes that Track Internal Products and Assets

The following diagram shows a summary of the Oracle application modules, and the transactions and messages associated with Oracle Enterprise Install Base.

Figure 1–1 Summary of Oracle processes that track internal products and assets



For example, when a field service technician enters a report that equipment has been placed into service, the workforce management system may send a message to Oracle Enterprise Install Base. This message updates the status of the equipment to

“In Service,” and gives its in-service date to Oracle Projects. The asset is now ready to be created in Oracle Assets.

1.2.2 Messaging Architecture in Oracle Enterprise Install Base

The messaging architecture receives requests from external publishing systems in eXtensible Markup Language (XML) format. Based on the input requirements, the application updates the status and keeps a history of transactions for the tracking unit. Subsequently, the application publishes outgoing requests to the subscribing systems for further processing. The publishing and subscribing systems include: Install Base, inventory, purchasing, payables, assets, projects, workforce management, and other legacy system.

1.3 Features of Oracle Enterprise Install Base

1.3.1 Functional Overview

This application supports the standard functions found in Oracle Inventory, Oracle Purchasing, Oracle Projects, and Oracle Assets.

Oracle Enterprise Install Base supports the following functions (that is, item instances are not updated if you perform inventory transactions other than those in the following list):

- Purchase order receipt of items into inventory
- Purchase order receipt of items into operating projects
- Move orders
- Miscellaneous issue to a project
- Miscellaneous receipt from a project
- Installation and uninstallation of equipment
- In-Service/Out-of-Service of equipment
- Subinventory transfers
- Inter-organization transfers
- Miscellaneous receipts and issues
- Placement of assets into or out of service
- Retirement and reinstatement of the partial or full cost of an asset

- Asset item moves and asset item transfers
- Physical counts

1.4 Integration Points and Dependencies for Oracle Enterprise Install Base

Oracle Enterprise Install Base has the following integration points with Oracle Applications:

- Oracle Inventory
- Oracle Purchasing
- Oracle Order Management
- Oracle Payables
- Oracle Assets
- Oracle Projects

Implementation and Setup

2.1 Setup Checklist

Oracle Enterprise Install Base has an ability to track an item instance regardless of the location and also to perform the financial updates automatically.

Users may use both the tracking and financial update functionality or just the instance tracking capability.

If you are not using asset creation through Oracle Enterprise Install Base, then you do not have to perform the setups in Oracle Projects and Oracle Assets.

The following table is a comprehensive list of all setup steps that must be completed:

Table 2–1 Oracle Enterprise Install Base Module Profile Option Settings

Step	Step Title
1	Install required Oracle application modules
2	Define users with required responsibilities
3	Define system profile options for Oracle Enterprise Install Base
4	Define system profile options for all the dependent responsibilities
5	Define Oracle Inventory parameters
6	Define Oracle Purchasing parameters
7	Define Oracle Payables parameters
8	Define Oracle Projects parameters
9	Define Oracle Assets parameters
10	Perform Oracle Install Base setup tasks

Note: If you are only an Oracle Install Base user and want to track only customer products, then perform steps 2 and 4 only.

2.2 Install Required Oracle Application Modules

The following Oracle application modules must be installed and set up before you set up Oracle Enterprise Install Base:

- Oracle Inventory
- Oracle Projects
- Oracle Assets
- Oracle Purchasing
- Oracle Payables
- Oracle General Ledger
- Oracle Install Base
- Oracle Service Fulfillment Manager

You must also install the following if you are using internal sales orders for normal items:

- Oracle Order Management

Use a standard setup for Oracle Purchasing, Oracle Assets, Oracle General Ledger, Oracle Payables. For detailed setup information on all of these applications consult the appropriate documentation set.

Note: You must also install and set up Oracle Human Resource Management System (HRMS).

In Oracle HRMS, you must set up users with the ability to approve purchase orders.

For detailed setup information on Oracle HRMS, please refer to the Oracle HRMS implementation documentation appropriate to the country where the application is being installed.

2.3 Define Users with Responsibilities in Oracle Application Modules

After you have installed the required Oracle application modules, you must define users with responsibilities to enable users to perform the appropriate tasks in each application module.

For more information on setting up responsibilities and users, see the *Oracle Applications System Administrator's Guide*.

2.4 Define System Profile Options for Oracle Enterprise Install Base

The system profile options for Oracle Enterprise Install Base determine how messages are dequeued, where the history file for debugging is located, and where event notifications are sent.

Use the System Profile Values window to make changes to your profile settings. Do not enter user values unless you require a setting that is different from the default setting.

Steps

1. From the Navigator for the System Administrator responsibility, choose **Profile > System**.
2. In the Profile Name field of the Find System Profile Values window, enter CSE% and click Find.

In the System Profile Values window, define the profile options as follows:

Table 2–2 Oracle Enterprise Install Base Module Profile Option Settings

Profile Name	Default Value	Profile Option Function	Required
CSE: Debug Log Directory	/sqlcom/temp/	Sets the file and directory of the debug log file. DBA can create own path of directory for fog file	Y
CSE: Debug Option	Y	Enter Y (yes) or N (no) to control the debugging function for the message dequeuer.	Y
CSE: FA Book Type Code		This option is used to set the default FA book type code for creating asset from depreciable item.	Optional
CSE: PA Expenditure Type		The default expenditure type, used when material is issued to a project.	Optional
CSE: Use eIB Costing Hook	Y	This must be set to "Y" if you are using Oracle Enterprise Install Base.	Y

2.5 Define System Profile Options for All Dependent Responsibilities

After the modules Oracle Inventory, Oracle Projects, Oracle Assets, Oracle Purchasing, Oracle Payables, Oracle General Ledger, Oracle Install Base and Oracle Service Fulfillment Manager have been installed, you must define a number of system profile options for each responsibility associated with each dependent Oracle application module, as well as Oracle Enterprise Install Base itself.

Table 2–3 shows the full list of the responsibilities that are required for each of the profile options.

Table 2–3 Responsibilities Required for Profile Option Setup

Oracle Application Module	Sample Responsibility Name*
Oracle Inventory	Inventory Manager
Oracle Purchasing	Purchasing Manager
Oracle Payables	Payable Manager
Oracle Projects	CRL 11i Projects

Table 2–3 Responsibilities Required for Profile Option Setup

Oracle Application Module	Sample Responsibility Name*
Oracle Assets	Assets Manager
Oracle General Ledger	General Ledger
Oracle Install Base	Install Base Administrator
Oracle Enterprise Install Base	Enterprise Install Base Manager
Oracle Order Management	Order Management Super User

Note: The responsibility names in the table are sample responsibility names. For your installation, use the appropriate equivalent responsibility name or names set up for each Oracle application module.

Table 2–4 shows the supplementary profile options that are required to be set up. The table first shows the profile options that must be set up for each of the responsibilities listed in Table 2–3. This is followed by the profile options that are required for specific responsibilities only.

Table 2–4 Supplementary Profile Options Required for Oracle Enterprise Install Base

Profile Options	Profile Level	Responsibilities
MO: Operating Unit	Responsibility	All responsibilities in Table 2–3
GL Set of Books Name	Responsibility	All responsibilities in Table 2–3
MO: Security Profile	Responsibility	All responsibilities in Table 2–3
HR: Business Group	Responsibility	All responsibilities in Table 2–3
HR: Security Profile	Responsibility	All responsibilities in Table 2–3
FA: CRL Assets Enabled	Responsibility	All responsibilities in Table 2–3
PA: Licensed to use CRL Projects	Site, Responsibility	All responsibilities in Table 2–3
Service: Inventory Validation Organization	Responsibility	Oracle Enterprise Install Base Oracle Install Base Order Management

Table 2–4 Supplementary Profile Options Required for Oracle Enterprise Install Base

Profile Options	Profile Level	Responsibilities
QP: Item Validation Organization	Responsibility	Oracle Enterprise Install Base Oracle Install Base Order Management

Steps

1. From the Navigator for the System Administrator responsibility, choose **Profile > System**.
For each combination of responsibility in [Table 2–3](#) and profile option in [Table 2–4](#), perform steps 2 through 5:
2. In the Responsibility field of the Find System Profile Values window, enter the appropriate responsibility (e.g. Inventory, Vision Enterprises).
3. In the Profile Name field of the Find System Profile Values window, enter the Profile Value and click the Find button.
4. Enter the appropriate value at the Responsibility level (and Site level where required).
5. Choose File > Save to save your work.

2.6 Define Oracle Inventory Parameters

This section discusses the concepts and setup steps in Oracle Inventory that have a bearing on how Oracle Enterprise Install Base functions.

The topics in this section are as follows:

- [Tracking](#)
- [Depreciable Items](#)
- [Serial Number Control](#)
- [General Oracle Inventory Considerations](#)
- [Define Organization Classifications](#)
- [Define Organization Parameters](#)
- [Define User-Definable Transaction Types](#)
- [Define Normal Items](#)

- [Define Depreciable Items](#)
- [Associate Subinventories to Locations](#)
- [Define Inventory Period](#)
- [Additional Oracle Inventory Setup Considerations](#)

2.6.1 Tracking

When an item is Oracle Enterprise Install Base trackable, any activity for that item passes a message to Oracle Enterprise Install Base for tracking.

You perform the task of making an item trackable by both Oracle Install Base and Oracle Enterprise Install Base in Oracle Inventory, as follows:

- When you define a master item, then, to make the item trackable, check the Install Base tracking checkbox on the Service tab.

You must define the item as trackable at the master organization level only. Items become Install Base trackable (and Enterprise Install Base trackable) across all organizations. Do not change this item attribute at the organization level.

Additional Tracking Considerations

The Install Base tracking attribute of an item cannot be changed when on-hand quantity is greater than zero.

Attribute changes are not applied to pre-existing transactions in the Oracle Enterprise Install Base record. If you change the tracking attribute of an item from No to Yes, transactions that occurred before the change have no record in Oracle Enterprise Install Base. If you change the tracking attribute of an item from Yes to No, Oracle Enterprise Install Base no longer processes the pre-existing transactions.

2.6.2 Depreciable Items

Items that are trackable by Enterprise Install Base are defined as either normal or depreciable items. The difference between normal and depreciable items is in the way that assets can be created from the items.

For a normal item, the asset is created after an item is put in service. For a depreciable item, the asset is created when an item is received, either in Oracle Inventory or Oracle Projects.

For a depreciable item, you must define the item as depreciable at the master organization level only. Do not change this item attribute at the organization level.

For more details, see [Section 2.6.8, "Define Depreciable Items"](#).

2.6.3 Serial Number Control

You must designate serial number control for the trackable items at the master organization level. This ensures that serial number control for an item is the same across all inventory organizations. Do not change this item attribute at the organization level.

You specify serial number control in the Inventory tab.

Do not change serial control for an item after transactions have been entered.

Additional Serial Number Control Considerations

In Oracle Inventory, you may enter a miscellaneous issue transaction to remove all on-hand inventory, change the serial control attribute, then enter a miscellaneous receipt to restore the on-hand quantities. During the process of correcting on-hand quantities, items that already have transactions are not affected. As a result records in Oracle Enterprise Install Base do not show the change in the serial control attribute.

2.6.4 General Oracle Inventory Considerations

In addition, follow these restriction guidelines when setting up Oracle Inventory:

- Define all Oracle Enterprise Install Base items as inventory items (Inventory tab).

If the Inventory Item checkbox is not marked, you cannot store or move the item.

- Enable Inventory Asset and Costing Enabled attributes for all items in Oracle Enterprise Install Base (Costing tab).

These attributes let you enter and maintain costs for the items.

- Do not modify the Oracle Account Generator logic for deriving the depreciation expense account.

The depreciation expense account is derived from the book type (corporate or tax) and the asset category. Oracle Enterprise Install Base assumes that the depreciation expense account remains unchanged as a result of subinventory or inter-organization transfers.

2.6.5 Define Organization Classifications

Oracle Enterprise Install Base tracks those inventory items which you have defined as Enterprise Install Base-tracking. Each module that interacts with Oracle Enterprise Install Base passes messages that contain specific information for all items that are marked as Enterprise Install Base-tracking. For these messages to be sent and received successfully, the organizations you define must have the following classifications:

- **HR Organization**
Use to associate employees, such as buyers and planners, with items within the organization.
- **Inventory Organization**
Use to define, maintain, transact, and have on-hand balances for item numbers.
- **Project Expenditure/Event Organization and Project Task Owning Organization**
Allows Oracle Inventory to associate items assigned to project and tasks to a project clearing account, which collects the cost of that assigned material. Use to monitor the expenditures for a project and task by reviewing the account through Oracle Projects. You use capital projects to collect construction-in-process (CIP) and expensed costs for assets you are building. When you are ready to place the asset in service, you generate asset lines from the CIP costs in Oracle Projects. You can send these lines to Oracle Assets to become depreciable, fixed assets. Therefore allow entry of capital project in your organization and issue material to the Capital Projects only.

You must specify any additional classifications you need for your organization.

2.6.5.1 Define Organization Parameters

When you issue material to projects and tasks, all costs are initially charged to a project clearing account. This account provides a convenient check point for tracking project costs.

Project Cost Collection Enabled must be checked on the Costing Information tab. These attributes let you enter and maintain costs for the items.

The organization parameters described below ensure that the costs associated to a project or task are passed to the clearing account for the Inventory organization that has been set up to own inventory items.

Use these steps to define organization parameters.

Prerequisites

You must define your organizations when you set up Oracle Inventory before you can define the organization parameters.

Steps

1. In the Inventory responsibility, navigate the path **Setup > Organizations > Parameters**.
2. In the Organization Parameters window, click the Inventory Parameters tab and enter:
 - a. The Move Order Timeout Period
 - b. The Move Order Timeout Action
3. Click the Costing Information tab and check Project Cost Collection Enabled.
4. Click the Other Accounts tab and enter the organization's Project Clearing Account number.
5. Choose File > Save to save your work.

2.6.6 Define User-Definable Transaction Types

Under the Inventory responsibility, you must define certain user-definable transaction types.

The following transactions must be defined to use Oracle Enterprise Install Base miscellaneous transactions.

Table 2-5 Required Transaction Types

Name	Source Type	Action	Checkbox
eIB Issue to Project	Move Order	Issue from Store	Check on Project
Miscellaneous Issue to Project	Inventory	Issue from Store	Check on Project
Miscellaneous Receipt from Project	Inventory	Receive into Store	Check on Project

You do not have to use the transaction type names as shown in the table. However, you must specify the source type and action as shown and select the Project checkbox for each of the transaction types required for Oracle Enterprise Install Base.

Steps

1. In the Inventory responsibility, navigate the path **Setup > Transactions > Types**.
2. In the Transaction Types window, click the User tab.
3. Enter name, source type, action, and checkbox.
4. Choose File > Save to save your work.

2.6.7 Define Normal Items

You must define an item master organization and at least one organization in Oracle Enterprise Install Base.

Steps

1. In the Inventory responsibility, navigate the path **Items > Master Items**.
2. In the Master Item window, enter the appropriate information into the header region of the window.
3. Click the Inventory tab.
4. Check Inventory Item.
Stockable and Transactable are checked by default.
5. Select the Service tab and check Install Base Tracking.
6. Enter or select information in the remaining fields of the window.
7. Choose File > Save to save your work.

2.6.8 Define Depreciable Items

You must define an item master organization and at least one organization in Oracle Enterprise Install Base.

Steps

1. In the Inventory responsibility, navigate the path **Items > Master Items**.
2. In the Master Item window, enter the appropriate information into the header region of the window.
3. Click the Inventory tab.
4. Check Inventory Item.

Stockable and Transactable are checked by default.

5. Select the Service tab and check Install Base Tracking.
6. Choose Create Depreciable Inventory Asset from the list of values of the Asset Creation field.
7. Enter or select information in the remaining fields of the window.
8. Choose File > Save to save your work.

2.6.9 Associate Subinventories to Locations

Associate asset subinventories to a location.

- Use the Location field in the subinventory setup to link the deliver-to location of the item with its asset location.

Note: This is a standard setup step in Oracle Inventory. For more details, see the *Oracle Inventory Implementation Guide*.

2.6.10 Define Inventory Period

Set the first inventory period, make sure you align this with the current period of the other modules.

Prerequisites

None

Steps

1. In the Inventory responsibility, navigate the path **Accounting Close Cycle > Inventory Accounting Periods**.
2. In the Inventory Accounting Periods window, in the first Period region, enter the current period.
3. Choose File > Save to save your work.

Note: This is a standard setup step in Oracle Inventory. For more details, see the *Oracle Inventory Implementation Guide*.

2.6.11 Additional Oracle Inventory Setup Considerations

Assigning Cost to Install Base Tracking Items

You must assign cost to each item that is Install Base tracking if you are using Oracle Projects to accrue the expenditures.

Define Shipping, Inter-Organization Shipping

Use the Inter-Organization Shipping window to define accounting information and the relationships that exist between shipping and destination organizations. You can specify whether an organization is a shipping organization, a destination organization or both. For more information see the *Oracle Inventory User Guide*.

Note: For details on Oracle Inventory setup steps, please refer to the *Oracle Inventory Implementation Guide*.

2.7 Define Oracle Purchasing Parameters

When an organization receives an item, the subinventory material account is debited and the AP accrual account is credited. When the item is issued to a project and the cost collection process is run, the project clearing account is debited and the project's account is credited.

To ensure that Oracle Enterprise Install Base picks up the Project clearing account for the charge account of purchase order, modify Oracle Account Generator as follows:

PO charge account = project clearing account

This modification ensures that the project clearing account used in the organization matches the credit account generated by auto-accounting for receipt transactions.

In addition, be aware of the following restrictions when setting up Oracle Purchasing:

- Set the match approval level to at least three-way matching.

Oracle Enterprise Install Base uses purchase order and invoice data to determine and adjust costs. Three-way matching ensures that the purchase order quantity, the receipt quantity, and the invoice quantity all match. You can also set the match approval level higher, to four-way matching.

If your organization's default matching method is less than three-way, update the matching level setting on the purchase order itself.

- Assign an asset category to Enterprise Install Base tracking items.

The asset category must not be an expense category and must belong to the same Assets book as the book used by the Profile Option CSE:FA Book Type Code.

For details of setting up the profile options, see [Section 2.4, "Define System Profile Options for Oracle Enterprise Install Base"](#).

Note: For details on Oracle Purchasing setup steps, please refer to the *Oracle Purchasing Implementation Guide*.

Oracle Enterprise Install Base uses this purchasing item attribute to derive the asset category it uses when it creates asset records. Set control of this attribute at the master organization level so that the asset category for an item is the same across all inventory organizations.

2.8 Define Oracle Payables Parameters

The following is a list of Oracle Payables setup tasks:

- [Match Invoice to Purchase Order](#)
- [Define Invoice Quantity Tolerance](#)

2.8.1 Match Invoice to Purchase Order

Oracle Enterprise Install Base uses purchase order and invoice data to adjust asset cost.

1. In the Payables responsibility, navigate the path **Setup > Options > Financials**.
2. In the Financials Options window, click the Supplier - Entry tab.
3. Set the Invoice Match Option to Purchase Order.

2.8.2 Define Invoice Quantity Tolerance

Define the quantity tolerance in Oracle Payables as zero.

- The method Oracle Enterprise Install Base uses to calculate invoice price variance (IPV) requires this restriction. However, price tolerances are permitted.

2.9 Define Oracle Projects Parameters

The following is a list of Oracle Projects setup tasks:

- [Define a Descriptive Flexfield for Expenditure Items](#)
- [Set Up Asset Creation Grouping Methods for Project Expenditure Items](#)
- [Additional Oracle Projects Setup Considerations](#)

2.9.1 Define a Descriptive Flexfield for Expenditure Items

The expenditure item descriptive flexfield is mandatory for asset creation. It provides a way to view the attributes or grouping method values of an item.

1. In the CRL 11i Projects responsibility, navigate the path **Projects > Setup > Flexfields > Descriptive > Segments**.
2. In the Descriptive Flexfield Segments window, create the descriptive flexfield for the application Oracle Projects with the title Expenditure Items.
3. Click Segments.
4. Refer to the following table to define the five segments in the flexfield.

Table 2–6 Segments in the Expenditure Items flexfield

Name	Window Prompt	Column	Value Set
Item Number	Item Number	ATTRIBUTE6	50 chars (no validation)
Serial Number	Serial Number	ATTRIBUTE7	50 chars (no validation)
Category	Category	ATTRIBUTE8	Oracle Enterprise Install Base Asset Category (FA_CATEGORIES table)
Location	Location	ATTRIBUTE9	Oracle Enterprise Install Base Location (FA_LOCATIONS table)
Product3	Product3	ATTRIBUTE10	PA Product Value (PA_SEGMENT_VALUE_LOOKUPS table)

5. Check the Displayed checkbox for all five segments in the flexfield.

6. Save the data you have entered, then close the Segments Summary - Global Data Elements window.
7. Back in the Descriptive Flexfield Segments window, select the checkbox Freeze Flexfield Definition.
8. Click Compile.

Note: In a subsequent step of setting up asset creation grouping methods, the asset creation options GROUPING ELEMENT1, GROUPING ELEMENT2, and GROUPING ELEMENT3 correspond respectively to the columns ATTRIBUTE8, ATTRIBUTE9, AND ATTRIBUTE10 defined in the Expenditure Items descriptive flexfield.

See [Section 2.9.2, "Set Up Asset Creation Grouping Methods for Project Expenditure Items"](#).

2.9.2 Set Up Asset Creation Grouping Methods for Project Expenditure Items

An asset can be created before a project is completed. The asset must be associated to location and asset category information. Oracle Projects can send the associated information to Oracle Enterprise Install Base and Oracle Assets. In turn, Oracle Enterprise Install Base uses this information to update the assets and the inventory system.

Use this procedure to ensure that the assets created in Oracle Projects are associated to the required location and asset category information.

Prerequisites

None.

Steps

1. In the CRL 11i Projects responsibility, select **Asset Creation**.

The Asset Naming Convention window appears, with the screen divided into several screen area names, and fields in each screen area.

Note: The screen area Define Asset Description contains three fields.

2. In the Asset Naming Convention window, use the lists of values to select the option values for each screen area name, as shown in the following table:

Table 2-7 Define Asset Creation

Screen Area Name	Option Value
Define Asset Name	Task Name
Define Asset Description	Grouping Element1 Grouping Element2 Task Name
Location	Grouping Element2
Category	Grouping Element1

Note: For Location and Category, the Grouping Element Number must correspond with attribute 8, 9, or 10, depending on which attribute was chosen to indicate location and category in the system-level descriptive flexfield setup.

See [Section 2.9.1, "Define a Descriptive Flexfield for Expenditure Items"](#).

3. Choose File > Save to save your work.

2.9.3 Additional Oracle Projects Setup Considerations

Note these restriction guidelines when setting up Oracle Projects:

- Issue Enterprise Install Base-tracking items only to Capital-type projects.
Oracle Projects cannot create assets in Oracle Assets from projects that are not the Capital type. If items are issued to projects of either Contract or Indirect type, then Oracle Enterprise Install Base does not have a record of the asset ID. When you generate asset lines, no asset lines are generated for those items that do not belong to the Capital-type project.
- Issue Enterprise Install Base-tracking items only to tasks that can be capitalized.
You can generate asset lines only on tasks that have been capitalized.
- Do not send installation and in-service messages against projects that have a Closed status.

Oracle Enterprise Install Base does not validate whether or not the project has a Closed status. It continues to change the item status to Installed or In Service. However, you cannot generate asset lines against a closed project.

- Asset generation will only be done for projects with project types which have User Defined Grouping Method as CIP method.

Note: For details on Oracle Projects setup steps, please refer to Oracle Projects Setup and Implementation in the *Oracle Projects User Guide*.

2.10 Define Oracle Assets Parameters

The definitions of the Asset Locator and Asset Category key flexfields must be compatible with the segments of the expenditure item descriptive flexfield defined in a previous section. For more details, see [Section 2.9.1, "Define a Descriptive Flexfield for Expenditure Items"](#).

If you use group depreciation with Oracle Projects and Oracle Assets, you must define the Group Asset and Super Group key flexfields. The recommended values are shown in the following table.

Note: For details on Oracle Assets setup steps, please refer to the *Oracle Assets Implementation Guide*.

Table 2–8 Define Group Asset and Super Group key flexfields

Application	Key Flexfield	Suggested Segment Values
Oracle Assets	Group Asset	(1) City, (2) Network Element
Oracle Assets	Super Group	(1) Region, (2) Product Line

In addition, be aware of the following:

- Do not change or delete the link between the deliver-to and asset location once an asset has been created.

Use the Locations form in Oracle Enterprise Install Base to initially link deliver-to and asset location. After this initial link is created, changing or deleting the link could corrupt the asset record.

- When assets are created through Oracle Enterprise Install Base, the asset key flexfield value is null.
If you want need Oracle Enterprise Install Base to automatically populate this value, you must customize the application.
- All assets must be related to an asset category. The Asset category will drive the depreciable for the asset.
- The Oracle Assets book type is designated by the profile option CSE: FA Book Type Code.
- When you define Asset Groups you are required to define the depreciation method you will only find methods which have a calculation method of Flat Rate.

2.11 Perform Oracle Install Base Setup Tasks

After Oracle Inventory, Oracle Projects, Oracle Assets, Oracle Purchasing, and Oracle Payables have been installed and set up, you must set up set up some parameters for Oracle Enterprise Install Base using the Oracle Install Base Administrator responsibility (or the equivalent responsibility as set up in your installation).

During the integration setup of Oracle Enterprise Install Base, you determine:

- How HZ locations, HR locations (inventory locations) map to asset locations

The setup steps required for Oracle Enterprise Install Base which are performed in Oracle Install Base are:

- [Section 2.11.1, "Define HZ Locations"](#)
- [Section 2.11.2, "Associate HR and HZ Locations to Asset Locations"](#)
- [Section 2.11.3, "Set the Freeze Install Parameter"](#)

2.11.1 Define HZ Locations

Oracle Enterprise Install Base has the ability to correlate HR locations to HZ locations. HR locations are inventory locations used to receive material. HZ locations are used to deploy equipment in the field.

You need to establish the link between HR locations and HZ locations in order to perform automatic financial updates when a material movements occur.

After you have defined asset locations, you must define HZ locations.

Prerequisites

You must have defined organizations in Oracle Inventory.

You must have set up the profile options for Oracle Inventory and Oracle Assets. For details, see [Section 2.5, "Define System Profile Options for All Dependent Responsibilities"](#).

You must have set up asset locations in Oracle Assets. For more information, see the *Oracle Assets User Guide*.

Steps

1. In the Oracle Install Base responsibility, choose **Setups > Maintain Locations**.
2. Enter complete address in HZ location setup window.
3. Enter the description of the HZ location.
4. Enter the HZ location code.
5. Choose File > Save to save your work.

2.11.2 Associate HR and HZ Locations to Asset Locations

Assign HR and HZ locations to the Asset location using Asset Location Setup.

Prerequisites

HR and HZ locations must be defined.

Steps

1. In the Oracle Install Base responsibility, choose **Setups > Asset Location Setup**.
2. Select location source as HR or HZ.
3. Choose location code from the list of values.
4. Assign Asset location.
5. Enter active start date.
6. You can disable the particular relationship by entering active end date.
7. Choose File > Save to save your work.

2.11.3 Set the Freeze Install Parameter

You must make sure the Install Parameter Freeze checkbox is checked.

Prerequisites

None.

Steps

1. In the Oracle Install Base responsibility, navigate the path **Setups > Install Parameters**.
2. In the Install Parameters window, check the Freeze checkbox.

Oracle Enterprise Install Base Administration

3.1 Administering Oracle Enterprise Install Base

This topic group provides task-based procedures that are required for ongoing system maintenance and includes information on administration tools and utilities.

3.1.1 Each Transaction Generates a Message

Every transaction of a trackable item generates a message to the application. When the application receives a message, it searches the Oracle Enterprise Install Base tables for a record of the item. If it finds the record and all the attributes have been defined in the record, the transaction occurs without errors.

However, when a transaction results in an error, the related message is sent to the appropriate log. For example, if a Receipt-to-Project transaction of a normal item is missing attributes for category or location, a fatal error occurs. The message that is sent as a result of this transaction is sent to the Error Log.

3.1.2 Transaction Status Complete (C)

The application changes the status of a transaction to Complete (C), when the following conditions are met:

- The transaction has not generated any errors
- The transaction is complete
- The transaction is not dependent on another incomplete transaction

3.1.3 Understanding the Message Dequeuer

A message dequeuer is a background process that continuously polls a queue and processes the items from the queue. The message dequeuer removes messages from the message queue on a first-in, first-out (FIFO) basis. Message queues are maintained by Oracle Advanced Queueing (OAQ). For information about message queues, see the following topics in the *Oracle Service Fulfillment Manager Concepts and Procedures* guide:

- Messaging in Oracle Service Fulfillment Manager
- Managing the System Queues

You can manage the message queues in either Oracle Service Fulfillment Manager or Oracle Number Portability. Oracle Enterprise Install Base uses the messaging system that is maintained in Service Delivery Platform (SDP).

When you start a message queue, a controller process automatically starts the dequeuers. For more information about starting and suspending a message queue, see the following topics in the *Oracle Service Fulfillment Manager Concepts and Procedures* guide:

- Oracle SDP Start
- Oracle SDP Stop

Before starting the transaction make sure that the Service Fulfillment Manager queue is running. To do that, perform the following steps:

1. Change the responsibility to SFM System Administrator.
2. Navigate the path **Concurrent > Administer Manager**.
3. Make sure SFM Event Manager Queue Service is running.

3.2 Bypassing the Service Fulfillment Queue

Oracle Enterprise Install Base does not recommend bypassing the service fulfillment queue. Bypassing a queue may cause slower applications performance. However you have a choice of using the queue or bypassing it. To bypass, simply set the Oracle Install Base parameter SFM Bypass. Once you set this option then the transactions will be directly updated to Oracle Enterprise Install Base.

There is no change in the standard business flows except for the asset retirements. If you are bypassing the service fulfillment queue, then after asset retirement you need to run the Oracle Enterprise Install Base concurrent program Import Asset

Retirement - Reinstatement Transactions Report. This will update the CSI_I_ASSETS table in Oracle Install Base.

When you choose this option, then you may set the Inventory Transaction Processing user profile as described below:

- TP:INV Transaction Processing Mode

This profile option indicates the processing control for transacting items.

Available values for transaction items are shown in [Table 3-1](#), as follows:

Table 3-1 Available values for transaction items

Processing	Description
On-line processing	Processes transactions while you wait, and control is returned once transaction processing is completed.
Background Processing	Upon commit, control returns immediately to you, allowing you to processing continue working. The transactions are executed on a periodic basis.
Immediate concurrent processing	Upon commit, Oracle Inventory spawns the concurrent process and returns control immediately to you, allowing you to continue working. Displays the concurrent request number of the concurrent process executing the transaction.
Form level processing	Processes transactions using the processing control option you choose for that particular type of transaction. You must also set the Oracle Inventory profile options for Inter-Organization Transfer, Miscellaneous Issue and Receipt, Receive Customer Return, Return to Customer, and Transfer Between Subinventories..

The value you choose for this profile overrides values you set for individual transaction profiles unless you choose Form level processing. Oracle Inventory predefines a value of Immediate concurrent processing for this profile for all levels upon installation. This profile is updatable at all levels.

For more information please refer to the Inventory Profile Options section in the *Oracle Inventory User's Guide*.

Oracle Enterprise Install Base API

This document describes the Workforce Management APIs for Oracle Enterprise Install Base.

You can use external Workforce Management Systems along with Oracle Enterprise Install Base. Oracle Enterprise Install Base has the ability to integrate with the external workforce management applications through the APIs. Call these APIs to update Oracle Enterprise Install Base when the item is Installed or Uninstalled, when the item is put in service or out of service and when the item is out of service or the item is moved.

The topics in this section are as follows:

- [Section 4.1, "Oracle Enterprise Install Base Public Package"](#)
- [Section 4.2, "Contents of Package CSE_WFMSG_TRX_PKG"](#)

4.1 Oracle Enterprise Install Base Public Package

The APIs provided for Oracle Enterprise Install Base are organized into the following package:

- CSE_WFMSG_TRX_PKG

This package contains all procedures to manage item instances for workforce management transactions.

Table 4-1 CSE_WFMSG_TRX_PKG APIs

Name	Description
Proj_Item_Installed	The prerequisite is that you must have an instance with the usage code In-Process for the item you are trying to install. This procedure creates/updates the item instance with the usage code Installed, location type code from Project to HZ_locations. If there is an existing instance with usage code Installed, then it updates the same or otherwise it will create a new instance.
Proj_Item_Uninstalled	The prerequisite is that you must have an instance with the usage code Installed for the item you are trying to uninstall. This procedure updates the item instance with usage code In-Process, location type code from HZ_locations to Project.
Proj_Item_In_Service	The prerequisite is that you must have an instance with the usage code Installed for the item you are trying to put into service. This procedure creates/updates the item instance with usage code In-Service. If there is an existing instance with usage code In-Service, then it updates the same or otherwise it will create a new instance. This procedure creates expenditure items in the projects interface table. The transactions created by this procedure will be used by Create Assets for Normal Items program.
In_Service	The prerequisite is that you must have an instance with the usage code Out-of-Service for the item you are trying to put in service. This procedure creates/updates the item instance with usage code In-Service. If there is an existing instance with usage code In-Service, then it updates the same or otherwise it will create a new instance.
Out_Of_Service	The prerequisite is that you must have an instance with the usage code In-Service for the item you are trying to put out of service. This procedure creates/updates the item instance with usage code Out-of-Service. If there is an existing instance with usage code Out-of-Service, then it updates the same or otherwise it will create a new instance.

Table 4–1 CSE_WFMSG_TRX_PKG APIs

Name	Description
Item_Move	The prerequisite is that you must have an instance with the usage code Out-of-Service for the item you are trying to move. This procedure creates/updates the network location of the item instance with usage code Out-of-Service. If there is an existing instance with usage code Out-of-Service, network location as From Network Location, then it updates the network location with To Network Location or otherwise it will create a new instance with usage code Out-of-Service, network location as To Network Location. The transactions created by this procedure will be used by the Interface Move Transactions to Fixed Assets concurrent program.

4.2 Contents of Package CSE_WFMSG_TRX_PKG

Contains all APIs for instance management for workforce management transactions.

- [Proj_Item_Installed](#)
- [Proj_Item_Uninstalled](#)
- [Proj_Item_In_Service](#)
- [In_Service](#)
- [Out_Of_Service](#)
- [Item_Move](#)

4.2.1 Proj_Item_Installed

Procedure Proj_Item_Installed

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,
p_lot_number	IN	VARCHAR2,
p_serial_number	IN	VARCHAR2,
p_quantity	IN	NUMBER,
p_project_id	IN	NUMBER,

```

p_task_id          IN  NUMBER,
p_network_loc_id   IN  NUMBER,
p_party_site_id    IN  NUMBER,
p_work_order_number IN  VARCHAR2,
p_transaction_date IN  DATE,
p_transacted_by    IN  NUMBER,
p_return_status    OUT VARCHAR2,
p_error_msg        OUT VARCHAR2)
    
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task
p_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required

Parameter	Data Type	Null	Required	Description and Validations
p_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

4.2.2 Proj_Item_Uninstalled

Procedure Proj_Item_Uninstalled

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,
p_lot_number	IN	VARCHAR2,
p_serial_number	IN	VARCHAR2,
p_quantity	IN	NUMBER,

```

p_project_id          IN  NUMBER,
p_task_id             IN  NUMBER,
p_network_loc_id     IN  NUMBER,
p_party_site_id      IN  NUMBER,

p_work_order_number  IN  VARCHAR2
p_transaction_date   IN  DATE,
p_transacted_by      IN  NUMBER,
p_return_status      OUT VARCHAR2,
p_error_msg          OUT VARCHAR2)

```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task
p_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required

Parameter	Data Type	Null	Required	Description and Validations
p_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

4.2.3 Proj_Item_In_Service

Procedure Proj_Item_In_Service

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,
p_lot_number	IN	VARCHAR2,
p_serial_number	IN	VARCHAR2,
p_quantity	IN	NUMBER,

```

p_effective_date      IN  DATE,
p_project_id          IN  NUMBER,
p_task_id             IN  NUMBER,
p_network_loc_id      IN  NUMBER,
p_party_site_id       IN  NUMBER,
p_work_order_number   IN  VARCHAR2,
p_transaction_date    IN  DATE,
p_transacted_by       IN  NUMBER,
p_return_status       OUT VARCHAR2,
p_error_msg           OUT VARCHAR2)
    
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_effective_date	DATE	NOT NULL	YES	Date the asset was placed in service
p_project_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the project
p_task_id	NUMBER	NOT NULL	YES	The system-generated number that uniquely identifies the task

Parameter	Data Type	Null	Required	Description and Validations
p_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

4.2.4 In_Service

Procedure In_Service

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,

```

p_lot_number          IN  VARCHAR2,
p_serial_number      IN  VARCHAR2,
p_quantity           IN  NUMBER,
p_network_loc_id     IN  NUMBER,
p_party_site_id      IN  NUMBER,
p_work_order_number IN  VARCHAR2,
p_transaction_date   IN  DATE,
p_transacted_by      IN  NUMBER,
p_return_status      OUT VARCHAR2,
p_error_msg          OUT VARCHAR2)
    
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required

Parameter	Data Type	Null	Required	Description and Validations
p_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

4.2.5 Out_Of_Service

Procedure Out_Of_Service

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,
p_lot_number	IN	VARCHAR2,
p_serial_number	IN	VARCHAR2,
p_quantity	IN	NUMBER,

```

p_network_loc_id      IN  NUMBER,
p_party_site_id      IN  NUMBER,
p_work_order_number  IN  VARCHAR2,
p_transaction_date   IN  DATE,
p_transacted_by     IN  NUMBER,
p_return_status      OUT VARCHAR2,
p_error_msg          OUT VARCHAR2)
    
```

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_network_loc_id and p_party_site_id is required
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction

Parameter	Data Type	Null	Required	Description and Validations
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters :

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

4.2.6 Item_Move

Procedure Item_Move

(p_item_id	IN	NUMBER,
p_revision	IN	VARCHAR2,
p_lot_number	IN	VARCHAR2,
p_serial_number	IN	VARCHAR2,
p_quantity	IN	NUMBER,
p_from_network_loc_id	IN	NUMBER,
p_to_network_loc_id	IN	NUMBER,
p_from_party_site_id	IN	NUMBER,
p_to_party_site_id	IN	NUMBER,
p_work_order_number	IN	VARCHAR2,
p_transaction_date	IN	DATE,
p_transacted_by	IN	NUMBER,

p_return_status OUT VARCHAR2,
 p_error_msg OUT VARCHAR2)

Parameter Descriptions

The following table describes the IN parameters associated with this API.

1. IN Parameters :

Parameter	Data Type	Null	Required	Description and Validations
p_item_id	NUMBER	NOT NULL	YES	Inventory item identifier
p_revision	VARCHAR2	NULL		Item revision code
p_lot_number	VARCHAR2	NULL		Lot number
p_serial_number	VARCHAR2	NULL		Serial number
p_quantity	NUMBER	NOT NULL	YES	Quantity transacted
p_from_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_from_network_loc_id and p_from_party_site_id is required
p_to_network_loc_id	NUMBER	NOT NULL	(see Description and Validations)	CLLI code from HZ_LOCATIONS One, and only one, of the two parameters p_to_network_loc_id and p_to_party_site_id is required
p_from_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_from_network_loc_id and p_from_party_site_id is required
p_to_party_site_id	NUMBER	NOT NULL	(see Description and Validations)	The system-generated identifier for the party site location from HZ_PARTY_SITES. One, and only one, of the two parameters p_to_network_loc_id and p_to_party_site_id is required

Parameter	Data Type	Null	Required	Description and Validations
p_work_order_number	VARCHAR2	NULL		Work order number
p_transaction_date	DATE	NOT NULL	YES	Date of the transaction
p_transacted_by	NUMBER	NOT NULL	YES	Employee id of the person performing the transaction

The following table describes the OUT parameters associated with this API.

2. OUT Parameters

Parameter	Data Type	Description
p_return_status	VARCHAR2	Returns the status of the transaction: FND_API.G_RET_STS_SUCCESS - successful FND_API.G_RET_STS_ERROR - error FND_API.G_RET_STS_UNEXP_ERROR - unexpected error
p_error_msg	VARCHAR2	The error message

