

Oracle® Common Application Components

API Reference Guide

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Oracle Common Application Components API Reference Guide, Release 11i

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Oracle Common Application Components API Reference Guide, Release 11*i*

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Preface

Intended Audience

Welcome to Release 11i of the *Oracle Common Application Components API Reference Guide*.

This manual describes the Oracle Common Application Components' public APIs, and provides information to help you work effectively with these public APIs.

Note: This document provides API information for the following Oracle Common Application Components only:

- Resource Manager
- Task Manager
- Notes

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

- **Oracle Common Application Components.** If you have never used the Oracle Common Application Components modules, Oracle suggests you attend one or more of the Oracle Common Application Components training classes available through Oracle University.
- **The Oracle Applications graphical user interface.** To learn more about the Oracle Applications graphical user interface, read the Oracle Applications User's Guide.

This preface explains how the Reference Guide is organized and introduces other sources of information that can help you.

See Related Documents on page viii for more Oracle Applications product information.

Documentation Accessibility

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Structure

1 Introduction

The API Reference Guide provides detailed reference material for Oracle Common Application Components public published APIs.

2 Resource Manager Public APIs

This chapter provides all of the required information for working with Resource Manager APIs. Resource Manager is a repository of various types of people, and non-people resources in use across the E-Business suite. These resources may be organized in groups, teams, and dynamic groups and may be assigned one or more resource roles.

3 Task Manager Public APIs

Oracle Task Manager provides methods for quantifying, responding to, and managing units of work generated by E-Business Suite applications. The unit of work is defined in Task Manager in the form of a task. A given task may be defined and bound by units of time, may be assigned to one or more qualified resource, resource groups or teams, and may be tracked by the application that the work was generated from.

4 Notes Public APIs

A note provides a quick and easy way to enter in any information for an E-Business Suite business object. It is useful for attaching information such as directions, special instructions, or reminders. One or more people with access to the business object may enter in a note.

Related Documents

Other Information Sources

You can choose from many sources of information, including online documentation, training, and support services, to increase your knowledge and understanding of *Oracle Common Application Components*.

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

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

Related Documentation *Oracle Common Application Components* 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 Common Application Components.

Oracle CRM Technology Foundation Implementation Guide contains information relating to User Management including user registration and management performed through the System Administrator's Console.

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 Common Application Components (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 Common Application Components User's Guide

The User's Guide contains important reference and background information on each of the Oracle Common Application Components modules. In addition, it contains procedures and using information that describe the common user and tasks that are necessary to perform in each of the modules.

- Oracle Common Application Components Implementation Guide

Use this manual to understand the necessary configuration and setup steps that need to be performed after the Oracle Common Application Components modules are installed.

Installation and System Administration

- 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 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 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

- **Multiple Reporting Currencies in Oracle Applications**

If you use the Multiple Reporting Currencies feature to record transactions in more than one currency, use this manual before implementing Oracle Common Application Components. This manual details additional steps and setup considerations for implementing Oracle Common Application Components with this feature.

- **Multiple Organizations in Oracle Applications**

This guide describes how to set up and use Oracle Common Application Components with Oracle Applications' Multiple Organization support feature, so you can define and support different organization structures when running a single installation of Oracle Common Application Components.

- **Oracle Workflow Administrator's Guide**
This guide describes Oracle Workflow setup steps, the administrator Status Monitor, and administrative scripts.
- **Oracle Workflow Developer's Guide**
This guide describes Oracle Workflow Builder including defining workflow processes, defining Business Event System (BES) events, subscriptions, agents, and systems.
- **Oracle Workflow API Reference**
This guide describes PL/SQL and Java Workflow APIs.
- **Oracle Applications Flexfields Guide**
This guide provides flexfields planning, setup and reference information for the Oracle Common Application Components 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 [OracleMetaLink](#)
- **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 11*i*.
- **Oracle Common Application Components Implementation Guide**
Many e-Business Suite products use components from Oracle Common Application Components. Use this guide to correctly implement Oracle Common Application Components.

Training and Support

Training: Oracle offers training courses to help you and your staff master Oracle Common Application Components and reach full productivity quickly. You have a

choice of educational environments. You can attend courses offered by Oracle University at any one of our many Education Centers, you can arrange for our trainers to teach at your facility, or you can use Oracle Learning Network (OLN), Oracle University's online education utility. In addition, Oracle training professionals can tailor standard courses or develop custom courses to meet your needs. For example, you may want to use your organization's structure, terminology, and data as examples in a customized training session delivered at your own facility.

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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 an Oracle Applications form 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.

Introduction

The API Reference Guide provides detailed reference material for Oracle Common Application Components public published APIs.

This chapter covers the following topics:

- Oracle Common Application Components APIs
- Private APIs
- **Public APIs**
- **Public, published APIs**
- Parameter Specifications
- Standard IN Parameters
- Standard OUT Parameters
- Parameter Size
- Missing Parameter Attributes
- Parameter Validations
- Invalid Parameters
- Version Information
- Status Messages

Oracle Common Application Components APIs

The Oracle Common Application Components contain the following types of APIs:

Private APIs

Private APIs are for internal, development use only. Details are not provided to anyone outside of the immediate development environment, nor are they intended for use by anyone outside of the e-Business Suite development environment.

Public APIs

Public APIs are designed for customers and Oracle consultants to integrate non-Oracle systems into Oracle e-Business Suite or to extend the functionality of the base products. Oracle does not support public APIs unless they are published in a reference

manual such as this one. The user accepts all risk and responsibility for working with non-published public APIs.

Public, published APIs

Public Published APIs are guaranteed by Oracle to remain valid from release to release and that patches will not alter the API behavior. Public, published APIs are supported by Oracle to the same extent as released software.

For non-published APIs, Oracle expressly does not provide any guarantees regarding consistency of naming, usage, or behavior of any API (public or private) between releases. It is also possible that a patch could alter any characteristic of any non-published e-Business Suite API. As such, those who choose to use these APIs do so at their own risk. However, Oracle does attempt to minimize all changes to public APIs, even if not published.

Note: In Applications release 11.5.9, many of the Applications' PL/SQL server side APIs have been enhanced to utilize the pass by reference semantics of PL/SQL. This improves performance considerably and reduces memory consumption. In the normal processing case (i.e. success), there is no change of behavior, and callers of these APIs are not impacted. However, in the case of exceptions, there is a behavior change which results in assignments being exposed to the caller, which are made in the API prior to any exceptions being raised. The previous behavior would rollback these assignments made by the API if an exception occurred in this API. Developers writing custom extensions to Oracle Applications, or third party integrators which use the standard Applications' APIs should be aware of this change in semantics.

The Common Application Components APIs

The public APIs provided by the Oracle Common Application Components and described in this document are divided into groups of public packages. There are one or more packages for each of the following Oracle Common Application Components modules covered here:

- Resource Manager
- Task Manager
- Notes

Each published API provides an API specification, and definitions as for its parameters, data structures, and status messages. Sample scripts and documented process flow diagrams are included where applicable.

Note: The words *procedure* and *API* are used interchangeably in this document.

Parameter Specifications

The specifications for the public APIs provided by the Oracle Common Application Components define four categories of parameters:

- Standard IN

- Standard OUT
- Procedure specific IN
- Procedure specific OUT

Standard IN and OUT parameters are specified by the Oracle Applications business object API Coding Standards, and are discussed in the following sections.

Procedure specific IN and OUT parameter are related to the API being specified, and are discussed with that individual API.

Standard IN Parameters

The following table describes standard IN parameters, which are common to all public APIs provided by Oracle Common Application Components.

Standard IN Parameters

Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error is returned if the calling program version number is incompatible with the current API version number (provided in the documentation).

Parameter	Data Type	Required	Description
p_init_msg_list	VARCHAR2	Yes	<p>The valid values for this parameter are:</p> <ul style="list-style-type: none"> • True = FND_API.G_TRUE • False = FND_API.G_FALSE • Default = FND_API.G_FALSE <p>If set to true, then the API makes a call to <i>fnf_msg_pub.initialize</i> to initialize the message stack. To set to true, use the value, "T".</p> <p>If set to false then the calling program must initialize the message stack. This action is required to be performed only once, even in the case where more than one API is called. To set to false, use the value, "F".</p>
p_commit	VARCHAR2(1)	No	<p>The valid values for this parameter are:</p> <ul style="list-style-type: none"> • True = FND_API.G_TRUE • False = FND_API.G_FALSE • Default = FND_API.G_FALSE <p>If set to true, then the API commits before returning to the calling program. To set to true, use the value, "T".</p> <p>If set to false, then it is the calling program's responsibility to commit the transaction. To set to false, use the value, "F".</p>

Standard OUT Parameters

The following table describes standard OUT parameters, which are common to all public APIs provided by Oracle Common Application Components.

Note: All standard OUT parameters are required.

Standard OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The values returned are one of the following: <ul style="list-style-type: none">FND_API.G_RET_STS_SUCCESS Success: Indicates the API call was successfulFND_API.G_RET_STS_ERROR Expected Error: There is a validation error, or missing data error.FND_API.G_RET_STS_UNEXP_ERROR Unexpected Error: The calling program can not correct the error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Holds the encoded message if <i>x_msg_count</i> is equal to one.

Parameter Size

Verify the size of the column from the base table for that column when passing a parameter of a specific length. For example, if you pass a NUMBER value, first query to find the exact value to pass. An incorrect value can cause the API call to fail.

Missing Parameter Attributes

The following table describes optional IN parameters which are initialized to pre-defined values representing missing constants. These constants are defined for the common PL/SQL data types and should be used in the initialization of the API formal parameters.

Initialized IN Parameters

Parameter	Type	Initialized Value
g_miss_num	CONSTANT	NUMBER:= 9.99E125
g_miss_char	CONSTANT	VARCHAR2(1):= chr(0)
g_miss_date	CONSTANT	DATE:= TO_DATE('1','j');

These constants are defined in the package FND_API in the file *fn dpapis.pls*. All columns in a record definition are set to the G_MISS_X constant as defined for the data type.

Parameter Validations

The following types of parameters are always validated during the API call:

- Standard IN
- Standard OUT
- Mandatory procedure specific IN
- Procedure specific OUT

Invalid Parameters

If the API encounters any invalid parameters during the API call, then one of the following actions will occur:

- An exception is raised.
- An error message identifying the invalid parameter is generated.
- All API actions are cancelled.

Version Information

It is mandatory that every API call pass a version number for that API as its first parameter (*p_api_version*).

This version number must match the internal version number of that API. An unexpected error is returned if the calling program version number is incompatible with the current API version number.

Warning: The currently supported version at this time is 1.0. Use only this for the API version number.

In addition, the object version number **must** be input for all update and delete APIs.

- If the *object_version_number* passed by the API matches that of the object in the database, then the update is completed.
- If the *object_version_number* passed by the API does not match that of the object in the database, then an error condition is generated.

Status Messages

Every API must return one of the following states as parameter *x_return_status* after the API is called:

- S (Success)
- E (Error)
- U (Unexpected error)

Note: It is not required that all status notifications provide a number identifier along with the message, although, in many cases, it is provided.

Each state can be associated with a status message. The following table describes each state.

Status Message and Description

Status	Description
S	<p>Indicates that the API performed all the operations requested by its caller.</p> <ul style="list-style-type: none">• A success return status may or may not be accompanied by messages in the API message list.• Currently, the Oracle Common Application Components APIs do not provide a message for a return status of success.
E	<p>Indicates that the API failed to perform one or more of the operations requested by its caller.</p> <p>An error return status is accompanied by one or more messages describing the error.</p>
U	<p>Indicates that the API encountered an error condition it did not expect, or could not handle, and that it is unable to continue with its regular processing.</p> <ul style="list-style-type: none">• For example, certain programming errors such as attempting to divide by zero causes this error.• These types of errors usually cannot be corrected by the user and requires a system administrator or application developer to correct.

Warning and Information Messages

In addition to these three types of possible status messages, you can also code the following additional message types:

- Warnings

- Information

To create a warning message, perform the following steps:

1. Create a global variable to be used to signal a warning condition. For example, this could be similar to the following:

```
G_RET_STS_WARNING := 'W'
```

This global variable is not part of the FND_API package.

2. Return this value if the warning condition is encountered. For example, using the same example as in step one, set up the following code in the API to process the warning condition:

```
x_return_status := G_RET_STS_WARNING
```

This code replaces the more usual:

```
x_return_status := fnd_api.g_ret_sts_unexp_error for "U"
```

3. If desired, perform a similar procedure to create Information messages.

Resource Manager Public APIs

This chapter provides all of the required information for working with Resource Manager APIs. Resource Manager is a repository of various types of people, and non-people resources in use across the E-Business suite. These resources may be organized in groups, teams, and dynamic groups and may be assigned one or more resource roles.

This chapter covers the following topics:

- Resource Manager Public Packages
- Resource Manager Public APIs
- Package JTF_RS_RESOURCE_PUB
- Create_Resource
- Update_Resource
- Package JTF_RS_GROUPS_PUB
- Create_Resource_Group
- Update_Resource_Group
- Package JTF_RS_SALESREPS_PUB
- Create_SalesRep
- Update_SalesRep
- Messages and Notifications
- JTF_RS_RESOURCE_PUB
- JTF_RS_GROUPS_PUB
- JTF_RS_SALESREPS_PUB
- Sample Code
- JTF_RS_RESOURCE_PUB
- JTF_RS_GROUPS_PUB
- JTF_RS_SALESREPS_PUB

Resource Manager Public Packages

There are three public Resource Manager packages:

- Package JTF_RS_RESOURCE_PUB, page 2-3

- Package JTF_RS_GROUPS_PUB, page 2-28
- Package JTF_RS_SALESREPS_PUB, page 2-35

Package JTF_RS_RESOURCE_PUB

All public procedures (APIs) relating to creating or updating a resource are stored in package JTF_RS_RESOURCE_PUB. This package contains the following APIs:

- Create_Resource, page 2-3
- Update_Resource, page 2-16

Package JTF_RS_GROUPS_PUB

All public procedures (APIs) relating to creating or updating a resource group are stored in package JTF_RS_GROUPS_PUB. This package contains the following APIs:

- Create_Resource_Group, page 2-28
- Update_Resource_Group, page 2-32

Package JTF_RS_SALESREPS_PUB

All public procedures (APIs) relating to creating or updating a salesperson are stored in package JTF_RS_SALESREPS_PUB. This package contains the following APIs:

- Create_SalesRep, page 2-36
- Update_SalesRep, page 2-40

Resource Manager Public APIs

The following table describes the public APIs which are discussed in this chapter.

Resource Manager Public APIs

Procedure	Description
Create_Resource, page 2-3	Creates all categories of resources like Employee, Party, Supplier Contact, Other, Partner, and To Be Hired.
Update_Resource, page 2-16	Updates resource attributes like Resource Name, Start Date, End Date, and User Identifier.
Create_Resource_Group, page 2-28	Creates a Resource Group.
Update_Resource_Group, page 2-32	Updates Resource Group attributes such as Group Name, Group Description, Start and End Date effectively.
Create_SalesRep, page 2-36	Creates a salesperson. The API verifies the resource ID parameter from the jtf_rs_resourc_extns table.
Update_SalesRep, page 2-40	Updates SalesRep attributes like SalesRep Number, Sales Credit Type, Start and End Date effectively.

Package JTF_RS_RESOURCE_PUB

This package contains the following APIs:

- Create_Resource, page 2-3
- Update_Resource, page 2-16

Create_Resource

The Create_Resource API create s all resource categories including Employee, Party, Supplier Contact, and Other. Before creating the resource, the Create_Resource API first determines that it does not exist in the Resources table. After in creates the resource, the API inserts Call Center, Compensation, and Account Receivables information that pertain to the resource into resource tables and generates the following unique identifiers:

- resource_id
- resource_number

Resource Information versus Source Information

Within the Resource Manager, resource information and source information are two different types of information.

- **Resource** information (name, number, category, and similar items) is defined within the Resource Manager, or through its APIs. This information can be changed or modified at will.

- **Source** information (source_id, source_name, source_number, and similar items) are pulled into the Resource Manager from another "source." Information extracted from a source external to the Resource Manager is not changed by the Resource Manager or its APIs.

Example sources include:

- Oracle Human Resources tables
- Oracle HZ Party tables

Note: The calling application must pass in the resource name to both p_resource_name and p_source_name. To ensure correct operation of the API, neither of these values can be NULL.

Creating a Resource that is an Employee

When using the Create_Resource API to create a resource that is an employee, the following input parameters must be set to null, otherwise the API will return an error message:

- p_address_id
- p_contact_id
- p_managing_emp_id
- p_managing_emp_num

Procedure Specification

```

PROCEDURE create_resource
(
  p_api_version          in number,
  p_init_msg_list       in varchar2 default fnd_api.g_false,
  p_commit              in varchar2 default fnd_api.g_false,
  p_category            in jtf_rs_resource_extns.category%type,
  p_source_id           in jtf_rs_resource_extns.source_id%type
  default null,
  p_address_id          in jtf_rs_resource_extns.address_id%type
  default null,
  p_contact_id          in jtf_rs_resource_extns.contact_id%type
  default null,
  p_managing_emp_id    in jtf_rs_resource_extns.managing_employee_id%type
  default null,
  p_managing_emp_num   in per_employees_current_x.employee_number%type
  default null,
  p_start_date_active  in jtf_rs_resource_extns.start_date_active%type,
  p_end_date_active    in jtf_rs_resource_extns.end_date_active%type
  default null,
  p_time_zone           in jtf_rs_resource_extns.time_zone%type
  default null,
  p_cost_per_hr        in jtf_rs_resource_extns.cost_per_hr%type
  default null,
  p_primary_language   in jtf_rs_resource_extns.primary_lang

```



```

uage%type          default null,
  p_secondary_language in jtf_rs_resource_extns.secondary_la
nguage%type        default null,
  p_support_site_id   in jtf_rs_resource_extns.support_site
_id%type            default null,
  p_ies_agent_login   in jtf_rs_resource_extns.ies_agent_lo
gin%type            default null,
  p_server_group_id   in jtf_rs_resource_extns.server_group
_id%type            default null,
  p_interaction_center_name in varchar2 default null,
  p_assigned_to_group_id in jtf_rs_resource_extns.assigned_to_
group_id%type       default null,
  p_cost_center       in jtf_rs_resource_extns.cost_center%
type                default null,
  p_charge_to_cost_center in jtf_rs_resource_extns.charge_to_co
st_center%type      default null,
  p_comp_currency_code in jtf_rs_resource_extns.compensation_curr
ency_code%type      default null,
  p_commissionable_flag in jtf_rs_resource_extns.commissionab
le_flag%type        default 'y',
  p_hold_reason_code   in jtf_rs_resource_extns.hold_reason_
code%type            default null,
  p_hold_payment       in jtf_rs_resource_extns.hold_payment
%type                default 'n',
  p_comp_service_team_id in jtf_rs_resource_extns.comp_service
_team_id%type       default null,
  p_user_id            in jtf_rs_resource_extns.user_id%type
                    default null,
  p_transaction_number in jtf_rs_resource_extns.transaction_
number%type         default null,
  x_return_status      out varchar2,
  x_msg_count          out number,
  x_msg_data           out varchar2,
  x_resource_id        out jtf_rs_resource_extns.resource_id%
type,
  x_resource_number    out jtf_rs_resource_extns.resource_num
ber%type,
  p_resource_name      in jtf_rs_resource_extns_tl.resource_
name%type           default null,
  p_source_name        in jtf_rs_resource_extns.source_name%
type,
  p_source_number      in jtf_rs_resource_extns.source_numbe
r%type              default null,
  p_source_job_title   in jtf_rs_resource_extns.source_job_t
itle%type           default null,
  p_source_email       in jtf_rs_resource_extns.source_email
%type               default null,
  p_source_phone       in jtf_rs_resource_extns.source_phone
%type               default null,
  p_source_org_id      in jtf_rs_resource_extns.source_org_i
d%type              default null,
  p_source_org_name    in jtf_rs_resource_extns.source_org_n
ame%type            default null,
  p_source_address1    in jtf_rs_resource_extns.source_addre
ss1%type            default null,
  p_source_address2    in jtf_rs_resource_extns.source_addre
ss2%type            default null,
  p_source_address3    in jtf_rs_resource_extns.source_addre

```

```

ss3%type          default null,
  p_source_address4      in  jtf_rs_resource_extns.source_addre
ss4%type          default null,
  p_source_city          in  jtf_rs_resource_extns.source_city%
type              default null,
  p_source_postal_code   in  jtf_rs_resource_extns.source_posta
l_code%type       default null,
  p_source_state         in  jtf_rs_resource_extns.source_state
%type             default null,
  p_source_province      in  jtf_rs_resource_extns.source_provi
nce%type          default null,
  p_source_county        in  jtf_rs_resource_extns.source_count
y%type            default null,
  p_source_country       in  jtf_rs_resource_extns.source_count
ry%type           default null,
  p_source_mgr_id        in  jtf_rs_resource_extns.source_mgr_i
d%type            default null,
  p_source_mgr_name      in  jtf_rs_resource_extns.source_mgr_n
ame%type          default null,
  p_source_business_grp_id in jtf_rs_resource_extns.source_busin
ess_grp_id%type   default null,
  p_source_business_grp_name in jtf_rs_resource_extns.source_busin
ess_grp_name%type default null,
  p_source_first_name    in  jtf_rs_resource_extns.source_first_
name%type         default null,
  p_source_last_name     in  jtf_rs_resource_extns.source_last_n
ame%type          default null,
  p_source_middle_name   in  jtf_rs_resource_extns.source_middle
_name%type        default null,
  p_source_category      in  jtf_rs_resource_extns.source_catego
ry%type           default null,
  p_source_status        in  jtf_rs_resource_extns.source_status
%type             default null,
  p_source_office        in  jtf_rs_resource_extns.source_office
%type             default null,
  p_source_location      in  jtf_rs_resource_extns.source_locati
on%type           default null,
  p_source_mailstop      in  jtf_rs_resource_extns.source_mailst
op%type           default null,
  p_user_name            varchar2,
  p_source_mobile_phone  in  jtf_rs_resource_extns.source_mobile
_phone%type       default null,
  p_source_pager         in  jtf_rs_resource_extns.source_pager%
type              default null,
  p_attribute1           in  jtf_rs_resource_extns.attribute1%t
ype               default null,
  p_attribute2           in  jtf_rs_resource_extns.attribute2%t
ype               default null,
  p_attribute3           in  jtf_rs_resource_extns.attribute3%t
ype               default null,
  p_attribute4           in  jtf_rs_resource_extns.attribute4%t
ype               default null,
  p_attribute5           in  jtf_rs_resource_extns.attribute5%t
ype               default null,
  p_attribute6           in  jtf_rs_resource_extns.attribute6%t
ype               default null,
  p_attribute7           in  jtf_rs_resource_extns.attribute7%t
ype               default null,

```

```

    p_attribute8          in  jtf_rs_resource_extns.attribute8%
type                    default null,
    p_attribute9          in  jtf_rs_resource_extns.attribute9%
type                    default null,
    p_attribute10         in  jtf_rs_resource_extns.attribute10
%type                   default null,
    p_attribute11         in  jtf_rs_resource_extns.attribute11
%type                   default null,
    p_attribute12         in  jtf_rs_resource_extns.attribute12
%type                   default null,
    p_attribute13         in  jtf_rs_resource_extns.attribute13
%type                   default null,
    p_attribute14         in  jtf_rs_resource_extns.attribute14
%type                   default null,
    p_attribute15         in  jtf_rs_resource_extns.attribute15
%type                   default null,
    p_attribute_category  in  jtf_rs_resource_extns.attribute_ca
tegor%type              default null,

);

```

Current Version

1.0

Parameter Descriptions

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

Create_Resource IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Parameter	Data Type	Required	Descriptions and Validations
p_category	jtf_rs_resource_extns. category%type	Yes	Type of resource, valid types are: <ul style="list-style-type: none"> • EMPLOYEE • PARTNER • SUPPLIER_CONTACT • OTHER • PARTY • TBH • VENUE
p_source_id	jtf_rs_resource_extns. resource_id%type	No	Resource identifier, this parameter is only used with the following categories: <ul style="list-style-type: none"> • EMPLOYEE • VENUE • PARTY • SUPPLIER_CONTACT • PARTNER
p_address_id	jtf_rs_resource_extns. address_id%type	No	Resource address. When creating a resource that is an employee, this parameter must be set to NULL, otherwise, the API returns an error.
p_contact_id	jtf_rs_resource_extns. contact_id%type	No	Resource contact identifier. When creating a resource that is an employee, this parameter must be set to NULL, otherwise, the API returns an error.
p_managing_emp_id	jtf_rs_resource_extns. managing_employee_id%type	No	Identifier for the manager of the resource. When creating a resource that is an employee, this parameter must be set to NULL, otherwise, the API returns an error.

Parameter	Data Type	Required	Descriptions and Validations
p_managing_emp_num	per_employees_current_x.employee_num%type	No	Employee number of the resource's manager. When creating a resource that is an employee, this parameter must be set to NULL, otherwise, the API returns an error.
p_start_date_active	jtf_rs_resource_extns.start_date_active%type	Yes	Date on which the resource becomes active. This value can not be NULL, and the start date must be less than the end date.
p_end_date_active	jtf_rs_resource_extns.end_date_active%type	No	Date on which the resource is no longer active. If no end date is provided, the resource is active indefinitely.
p_time_zone	jtf_rs_resource_extns.time_zone %type	No	Time zone, this value must be a valid time zone as defined in table HZ_TIMEZONES.
p_cost_per_hr	jtf_rs_resource_extns.cost_per_hr %type	No	The salary cost per hour for this resource. This value is used in conjunction with the p_comp_currency_code parameter.
p_primary_language	jtf_rs_resource_extns.primary_language %type	No	The resource's primary language. This value must be a valid NLS language as defined in table FND_LANGUAGES.
p_secondary_language	jtf_rs_resource_extns.secondary_language %type	No	The resource's secondary language. This value must be a valid NLS language as defined in table FND_LANGUAGES.
p_support_site_id	jtf_rs_resource_extns.support_site_id%type	No	Value used by the Service applications.

Parameter	Data Type	Required	Descriptions and Validations
p_ies_agent_login	jtf_rs_resource_extns.ies_agent_login%type	No	Value used by Interaction Center applications (if using Oracle Scripting).
p_server_group_id	jtf_rs_resource_extns.server_group_id%type	No	Value used by Interaction Center applications.
p_interaction_center_name	VARCHAR2	No	Value used by Interaction Center applications.
p_assigned_to_group_id	jtf_rs_resource_extns.assigned_to_group_id%type	No	The group to which this resource is assigned.
p_cost_center	jtf_rs_resource_extns.cost_center%type	No	The cost center to which this resource is assigned.
p_charge_to_cost_center	jtf_rs_resource_extns.charge_to_cost_center%type	No	Cost center to charge against, this may be different than the resource's current cost center.
p_comp_currency_code	jtf_rs_resource_extns.compensation_currency_code	No	<p>Compensation currency type, this value must be a valid currency code as listed in table FND_CURRENCIES.</p> <p>This value is used in conjunction with the p_cost_per_hour parameter.</p>
p_commissionable_flag	jtf_rs_resource_extns.commissionable_flag%type	No	<p>Boolean value:</p> <ul style="list-style-type: none"> • Yes - This resource is eligible for a commission. • No - This resource is not eligible for a commission. <p>The default is Yes.</p>

Parameter	Data Type	Required	Descriptions and Validations
p_hold_reason_code	jtf_rs_resource_extns.hold_reason_code%type	No	The reason that compensation is being withheld. This value must be one of the lookup codes for JTF_RS_HOLD_REASON_TYPE in table FND_LOOKUPS.
p_hold_payment	jtf_rs_resource_extns.hold_payment%type	No	Boolean value: <ul style="list-style-type: none"> • Yes - Withhold compensation. • No - Do not withhold compensation. The default is No.
p_comp_service_team_id	jtf_rs_resource_extns.comp_service_team_id%type	No	The identifier for the team to which this resource belongs.
p_user_id	jtf_rs_resource_extns.user_id%type	No	Specify this value only if the following categories are used: <ul style="list-style-type: none"> • EMPLOYEE • PARTY • 'SUPPLIER_CONTACT' If a category other than these three is specified, the API exits with an unexpected error condition. This value is validated against table FND_USERS.
p_transaction_number	jtf_rs_resource_extns.transaction_number%type	No	Transaction identifier
p_resource_name	jtf_rs_resource_extns_tl.resource_name%type	No	The calling application must pass the resource name.

Parameter	Data Type	Required	Descriptions and Validations
p_source_name	jtf_rs_resource_extns. source_name%type	Yes	The calling application passes the source name. See Resource Information versus Source Information, page 2-3.
p_source_number	jtf_rs_resource_extns. source_number%type	No	See Resource Information versus Source Information, page 2-3.
p_source_job_title	jtf_rs_resource_extns. source_job_title%type	No	See Resource Information versus Source Information, page 2-3.
p_source_email	jtf_rs_resource_extns. source_email%type	No	See Resource Information versus Source Information, page 2-3.
p_source_phone	jtf_rs_resource_extns. source_phone%type	No	See Resource Information versus Source Information, page 2-3.
p_source_org_id	jtf_rs_resource_extns. source_org_id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_org_name	jtf_rs_resource_extns. source_org_name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address1	jtf_rs_resource_extns. source_address1%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address2	jtf_rs_resource_extns. source_address2%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address3	jtf_rs_resource_extns. source_address3%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_source_address4	jtf_rs_resource_extns.source_address4%type	No	See Resource Information versus Source Information, page 2-3.
p_source_city	jtf_rs_resource_extns.source_city%type	No	See Resource Information versus Source Information, page 2-3.
p_source_postal_code	jtf_rs_resource_extns.source_postal_code%type	No	See Resource Information versus Source Information, page 2-3.
p_source_state	jtf_rs_resource_extns.source_state%type	No	See Resource Information versus Source Information, page 2-3.
p_source_province	jtf_rs_resource_extns.source_province%type	No	See Resource Information versus Source Information, page 2-3.
p_source_county	jtf_rs_resource_extns.source_county%type	No	See Resource Information versus Source Information, page 2-3.
p_source_country	jtf_rs_resource_extns.source_country%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mgr_id	jtf_rs_resource_extns.source_mgr_id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mgr_name	jtf_rs_resource_extns.source_mgr_name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_business_grp_id	jtf_rs_resource_extns.source_business_grp_id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_business_grp_name	jtf_rs_resource_extns.source_business_grp_name%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_source_first_name	jtf_rs_resource_extns.source_first_name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_last_name	jtf_rs_resource_extns.source_last_name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_middle_name	jtf_rs_resource_extns.source_middle_name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_category	jtf_rs_resource_extns.source_category%type	No	See Resource Information versus Source Information, page 2-3.
p_source_status	jtf_rs_resource_extns.source_status%type	No	See Resource Information versus Source Information, page 2-3.
p_source_office	jtf_rs_resource_extns.source_office%type	No	See Resource Information versus Source Information, page 2-3.
p_source_location	jtf_rs_resource_extns.source_location%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mailstop	jtf_rs_resource_extns.source_mailstop%type	No	See Resource Information versus Source Information, page 2-3.
p_user_name	VARCHAR2	Yes	The identifier of the person entering values into the source.
p_source_mobile_phone	jtf_rs_resource_extns.source_mobile_phone%type	No	See Resource Information versus Source Information, page 2-3.
p_source_pager	jtf_rs_resource_extns.source_pager%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute1	in jtf_rs_resource_extns.attribute1%type	No	Descriptive flexfield segment, default = null.
p_attribute2	in jtf_rs_resource_extns.attribute2%type	No	Descriptive flexfield segment, default = null.
p_attribute3	in jtf_rs_resource_extns.attribute3%type	No	Descriptive flexfield segment, default = null.
p_attribute4	in jtf_rs_resource_extns.attribute4%type	No	Descriptive flexfield segment, default = null.
p_attribute5	in jtf_rs_resource_extns.attribute5%type	No	Descriptive flexfield segment, default = null.
p_attribute6	in jtf_rs_resource_extns.attribute6%type	No	Descriptive flexfield segment, default = null.
p_attribute7	in jtf_rs_resource_extns.attribute7%type	No	Descriptive flexfield segment, default = null.
p_attribute8	in jtf_rs_resource_extns.attribute8%type	No	Descriptive flexfield segment, default = null.
p_attribute9	in jtf_rs_resource_extns.attribute9%type	No	Descriptive flexfield segment, default = null.
p_attribute10	in jtf_rs_resource_extns.attribute10%type	No	Descriptive flexfield segment, default = null.
p_attribute11	in jtf_rs_resource_extns.attribute11%type	No	Descriptive flexfield segment, default = null.
p_attribute12	in jtf_rs_resource_extns.attribute12%type	No	Descriptive flexfield segment, default = null.
p_attribute13	in jtf_rs_resource_extns.attribute13%type	No	Descriptive flexfield segment, default = null.
p_attribute14	in jtf_rs_resource_extns.attribute14%type	No	Descriptive flexfield segment, default = null.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute15	in jtf_rs_resource_extns.attribute15%type	No	Descriptive flexfield segment, default = null.
p_attribute_category	in jtf_rs_resource_extns.attribute_category	No	Descriptive flexfield structure definition column, default = null.

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

Create_Resource OUT Parameters

Parameter	Data type	Description
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_resource_id	jtf_rs_resource_extns.resource_id %type	The automatically generated resource identifier that is created through an internal call to JTF_RS_RESOURCE_EXTNS_S.
x_resource_number	jtf_rs_resource_extns.resource_number %type	The automatically generated resource number that is created through an internal call to JTF_RS_RESOURCE_NUMBER_S.

Update_Resource

The Update_Resource API updates resource attributes such as Resource Name, Start Date, End Date, and User ID. Before updating these attributes, the API first verifies that the resource exists in the Resources table. The Update_Resource API updates resource information in the Call Center, Compensation, and the Account Receivables tables.

Procedure Specification

PROCEDURE update_resource

```

(
  p_api_version          in    number,
  p_init_msg_list        in    varchar2
                        default fnd_api.g_false,
  p_commit               in    varchar2
                        default fnd_api.g_false,
  p_resource_id          in    jtf_rs_resource_extns.resource_id%type,
  p_resource_number      in    jtf_rs_resource_extns.resource_number%type,
  p_managing_emp_id      in    jtf_rs_resource_extns.managing_employ
ee_id%type              default fnd_api.g_miss_num,
  p_start_date_active   in    jtf_rs_resource_extns.start_date_acti
ve%type                  default fnd_api.g_miss_date,
  p_end_date_active     in    jtf_rs_resource_extns.end_date_active
%type                    default fnd_api.g_miss_date,
  p_time_zone           in    jtf_rs_resource_extns.time_zone%type
                        default fnd_api.g_miss_num,
  p_cost_per_hr         in    jtf_rs_resource_extns.cost_per_hr%type
                        default fnd_api.g_miss_num,
  p_primary_language    in    jtf_rs_resource_extns.primary_languag
e%type                    default fnd_api.g_miss_char,
  p_secondary_language  in    jtf_rs_resource_extns.secondary_langu
age%type                  default fnd_api.g_miss_char,
  p_support_site_id     in    jtf_rs_resource_extns.support_site_id
%type                      default fnd_api.g_miss_num,
  p_ies_agent_login     in    jtf_rs_resource_extns.ies_agent_login
%type                      default fnd_api.g_miss_char,
  p_server_group_id     in    jtf_rs_resource_extns.server_group_id
%type                      default fnd_api.g_miss_num,
  p_assigned_to_group_id in    jtf_rs_resource_extns.assigned_to_gro
up_id%type                 default fnd_api.g_miss_num,
  p_cost_center         in    jtf_rs_resource_extns.cost_center%type
                        default fnd_api.g_miss_char,
  p_charge_to_cost_center in    jtf_rs_resource_extns.charge_to_cost
center%type                 default fnd_api.g_miss_char,
  p_comp_currency_code  in    jtf_rs_resource_extns.compensation_c
urrency_code%type
                        default fnd_api.g_miss_char,
  p_commissionable_flag in    jtf_rs_resource_extns.commissionabl
e_flag%type                 default fnd_api.g_miss_char,
  p_hold_reason_code    in    jtf_rs_resource_extns.hold_reason_c
ode%type                    default fnd_api.g_miss_char,
  p_hold_payment        in    jtf_rs_resource_extns.hold_payment%
type                          default fnd_api.g_miss_char,
  p_comp_service_team_id in    jtf_rs_resource_extns.comp_service_
team_id%type                 default fnd_api.g_miss_num,
  p_user_id             in    jtf_rs_resource_extns.user_id%type
                        default fnd_api.g_miss_num,
  p_resource_name       in    jtf_rs_resource_extns_tl.resource_n
ame%type                     default fnd_api.g_miss_char,
  p_source_name         in    jtf_rs_resource_extns.source_name%t
ype,
  p_source_number       in    jtf_rs_resource_extns.source_number
%type                         default fnd_api.g_miss_char,
  p_source_job_title    in    jtf_rs_resource_extns.source_job_ti
tle%type                       default fnd_api.g_miss_char,

```

```

    p_source_email          in  jtf_rs_resource_extns.source_email%
type                        default fnd_api.g_miss_char,
    p_source_phone         in  jtf_rs_resource_extns.source_phone%
type                        default fnd_api.g_miss_char,
    p_source_org_id        in  number
                            default fnd_api.g_miss_num,
    p_source_org_name      in  jtf_rs_resource_extns.source_org_na
me%type                    default fnd_api.g_miss_char,
    p_source_address1      in  jtf_rs_resource_extns.source_addres
s1%type                    default fnd_api.g_miss_char,
    p_source_address2      in  jtf_rs_resource_extns.source_addres
s2%type                    default fnd_api.g_miss_char,
    p_source_address3      in  jtf_rs_resource_extns.source_addres
s3%type                    default fnd_api.g_miss_char,
    p_source_address4      in  jtf_rs_resource_extns.source_addres
s4%type                    default fnd_api.g_miss_char,
    p_source_city          in  jtf_rs_resource_extns.source_city%t
ype                        default fnd_api.g_miss_char,
    p_source_postal_code   in  jtf_rs_resource_extns.source_postal
_code%type                default fnd_api.g_miss_char,
    p_source_state         in  jtf_rs_resource_extns.source_state%
type                        default fnd_api.g_miss_char,
    p_source_province      in  jtf_rs_resource_extns.source_provin
ce%type                    default fnd_api.g_miss_char,
    p_source_county        in  jtf_rs_resource_extns.source_county
%type                      default fnd_api.g_miss_char,
    p_source_country       in  jtf_rs_resource_extns.source_countr
y%type                    default fnd_api.g_miss_char,
    p_source_mgr_id        in  jtf_rs_resource_extns.source_mgr_id
%type                      default fnd_api.g_miss_num,
    p_source_mgr_name      in  jtf_rs_resource_extns.source_mgr_na
me%type                    default fnd_api.g_miss_char,
    p_source_business_grp_id in  jtf_rs_resource_extns.source_busi
ness_grp_id%type
                            default fnd_api.g_miss_num,
    p_source_business_grp_name in  jtf_rs_resource_extns.source_busi
ness_grp_name%type
                            default fnd_api.g_miss_char,
    p_source_first_name    in  jtf_rs_resource_extns.source_first_na
me%type                    default fnd_api.g_miss_char,
    p_source_last_name     in  jtf_rs_resource_extns.source_last_nam
e%type                    default fnd_api.g_miss_char,
    p_source_middle_name   in  jtf_rs_resource_extns.source_middle_n
ame%type                  default fnd_api.g_miss_char,
    p_source_category      in  jtf_rs_resource_extns.source_category
%type                      default fnd_api.g_miss_char,
    p_source_status        in  jtf_rs_resource_extns.source_status%t
ype                        default fnd_api.g_miss_char,
    p_source_office        in  jtf_rs_resource_extns.source_office%t
ype                        default fnd_api.g_miss_char,
    p_source_location      in  jtf_rs_resource_extns.source_location
%type                      default fnd_api.g_miss_char,
    p_source_mailstop      in  jtf_rs_resource_extns.source_mailstop
%type                      default fnd_api.g_miss_char,
    p_address_id           in  jtf_rs_resource_extns.address_id%type
                            default fnd_api.g_miss_num,

```

```

    p_object_version_num    in out  jtf_rs_resource_extns.object_ver
sion_number%type,
    p_user_name              in varchar2
                           default fnd_api.g_miss_char,
    x_return_status         out  varchar2,
    x_msg_count             out  number,
    x_msg_data              out  varchar2,
    p_source_mobile_phone   in jtf_rs_resource_extns.source_mobile_p
hone%type default null,
    p_source_pager          in jtf_rs_resource_extns.source_pager%ty
pe default null,
    p_attribute1            in jtf_rs_resource_extns.attribute1%typ
e default fnd_api.g_miss_char,
    p_attribute2            in jtf_rs_resource_extns.attribute2%typ
e default fnd_api.g_miss_char,
    p_attribute3            in jtf_rs_resource_extns.attribute3%typ
e default fnd_api.g_miss_char,
    p_attribute4            in jtf_rs_resource_extns.attribute4%typ
e default fnd_api.g_miss_char,
    p_attribute5            in jtf_rs_resource_extns.attribute5%typ
e default fnd_api.g_miss_char,
    p_attribute6            in jtf_rs_resource_extns.attribute6%typ
e default fnd_api.g_miss_char,
    p_attribute7            in jtf_rs_resource_extns.attribute7%typ
e default fnd_api.g_miss_char,
    p_attribute8            in jtf_rs_resource_extns.attribute8%typ
e default fnd_api.g_miss_char,
    p_attribute9            in jtf_rs_resource_extns.attribute9%typ
e default fnd_api.g_miss_char,
    p_attribute10           in jtf_rs_resource_extns.attribute10%ty
pe default fnd_api.g_miss_char,
    p_attribute11           in jtf_rs_resource_extns.attribute11%ty
pe default fnd_api.g_miss_char,
    p_attribute12           in jtf_rs_resource_extns.attribute12%ty
pe default fnd_api.g_miss_char,
    p_attribute13           in jtf_rs_resource_extns.attribute13%ty
pe default fnd_api.g_miss_char,
    p_attribute14           in jtf_rs_resource_extns.attribute14%ty
pe default fnd_api.g_miss_char,
    p_attribute15           in jtf_rs_resource_extns.attribute15%ty
pe default fnd_api.g_miss_char,
    p_attribute_category    in jtf_rs_resource_extns.attribute_cate
gory%type default fnd_api.g_miss_char

);

```

Current Version

1.0

Parameter Descriptions

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

Update_Resource IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_resource_id	jtf_rs_resource_extns.resource_id %type	Yes	This value is created through an internal call in the Create_Resource, page 2-3 API. The reference identifier is validated for existence in JTF_RS_RESOURCE_EXTNS.
p_resource_number	jtf_rs_resource_extns.resource_number %type	Yes	This value is created through an internal call in the Create_Resource, page 2-3 API. The reference number is validated for existence in JTF_RS_RESOURCE_EXTNS.
p_managing_emp_id	jtf_rs_resource_extns.managing_employee_id %type	No	Identifier for the manager of the resource.
p_managing_emp_num	per_employees_current_x.employee_num %type	No	Employee number of the resource's manager.
p_start_date_active	jtf_rs_resource_extns.start_date_active %type	No	Date on which the resource becomes active. This value can not be NULL, and the start date must be less than the end date.

Parameter	Data Type	Required	Descriptions and Validations
p_end_date_active	jtf_rs_resource_extns.end_date_active%type	No	Date on which the resource is no longer active. If no end date is provided, the resource is active indefinitely.
p_time_zone	jtf_rs_resource_extns.time_zone %type	No	Time zone, this value must be a valid time zone as defined in table HZ_TIMEZONES.
p_cost_per_hr	jtf_rs_resource_extns.cost_per_hr %type	No	The salary cost per hour for this resource.
p_primary_language	jtf_rs_resource_extns.primary_language %type	No	The resource's primary language. This value must be a valid NLS language as defined in table FND_LANGUAGES.
p_secondary_language	jtf_rs_resource_extns.secondary_language %type	No	The resource's secondary language. This value must be a valid NLS language as defined in table FND_LANGUAGES.
p_support_site_id	jtf_rs_resource_extns.support_site_id%type	No	Value used by Service applications.
p_ies_agent_login	jtf_rs_resource_extns.ies_agent_login%type	No	Value used by Interaction Center applications (if using Oracle Scripting).
p_server_group_id	jtf_rs_resource_extns.server_group_id%type	No	Value used by Interaction Center applications.
p_assigned_to_group_id	jtf_rs_resource_extns.assigned_to_group_id%type	No	The group to which this resource is assigned.
p_cost_center	jtf_rs_resource_extns.cost_center%type	No	The cost center to which this resource is assigned.
p_charge_to_cost_center	jtf_rs_resource_extns.charge_to_cost_center%type	No	Cost center to charge against, this may be different than the resources current cost center.

Parameter	Data Type	Required	Descriptions and Validations
p_comp_currency_code	jtf_rs_resource_extns.compensation_currency_code	No	Compensation currency type, this value must be a valid currency code as listed in view FND_CURRENCIES_ACTIVE_MONET_V (from table FND_CURRENCIES).
p_commissionable_flag	jtf_rs_resource_extns.commissionable_flag%type	No	Boolean value: <ul style="list-style-type: none"> • Yes - This resource is eligible for a commission. • No - This resource is not eligible for a commission. The default is Yes.
p_hold_reason_code	jtf_rs_resource_extns.hold_reason_code%type	No	The reason that compensation is being withheld. This value must be one of the lookup codes for JTF_RS_HOLD_REASON_TYPE in table FND_LOOKUPS.
p_hold_payment	jtf_rs_resource_extns.hold_payment%type	No	Boolean value: <ul style="list-style-type: none"> • Yes - Withhold compensation. • No - Do not withhold compensation. The default is No.
p_comp_service_team_id	jtf_rs_resource_extns.comp_service_team_id%type	No	The identifier for the team to which this resource belongs.

Parameter	Data Type	Required	Descriptions and Validations
p_user_id	jtf_rs_resource_extns. user_id%type	No	Specify this value only if the following categories are used: <ul style="list-style-type: none"> • EMPLOYEE • PARTY • 'SUPPLIER_CONTACT' If a category other than these three is specified, the API exits with an unexpected error condition. This value is validated against table FND_USERS.
p_resource_name	jtf_rs_resource_extns_tl.resource_name%type	No	The calling application must pass the resource name. This value can not be NULL.
p_source_name	jtf_rs_resource_extns. source_name%type	Yes	The calling application must pass the resource name. This value can not be NULL. See Resource Information versus Source Information, page 2-3.
p_source_number	jtf_rs_resource_extns. source_number%type	No	See Resource Information versus Source Information, page 2-3.
p_source_job_title	jtf_rs_resource_extns. source_job_title%type	No	See Resource Information versus Source Information, page 2-3.
p_source_email	jtf_rs_resource_extns. source_email%type	No	See Resource Information versus Source Information, page 2-3.
p_source_phone	jtf_rs_resource_extns. source_phone%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_source_org_id	jtf_rs_resource_extns. source_org_id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_org_name	jtf_rs_resource_ extns.source_org_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address1	jtf_rs_resource_ extns.source_ address1%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address2	jtf_rs_resource_ extns.source_ address2%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address3	jtf_rs_resource_ extns.source_ address3%type	No	See Resource Information versus Source Information, page 2-3.
p_source_address4	jtf_rs_resource_ extns.source_ address4%type	No	See Resource Information versus Source Information, page 2-3.
p_source_city	jtf_rs_resource_extns. source_city%type	No	See Resource Information versus Source Information, page 2-3.
p_source_postal_code	jtf_rs_resource_ extns.source_postal_ code%type	No	See Resource Information versus Source Information, page 2-3.
p_source_state	jtf_rs_resource_extns. source_state%type	No	See Resource Information versus Source Information, page 2-3.
p_source_province	jtf_rs_resource_ extns.source_ province%type	No	See Resource Information versus Source Information, page 2-3.
p_source_county	jtf_rs_resource_extns. source_county%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_source_country	jtf_rs_resource_extns. source_country%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mgr_id	jtf_rs_resource_extns. source_mgr_id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mgr_name	jtf_rs_resource_ extns.source_mgr_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_business_ grp_id	jtf_rs_resource_extns. source_business_grp_ id%type	No	See Resource Information versus Source Information, page 2-3.
p_source_business_ grp_name	jtf_rs_resource_extns. source_business_grp_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_first_name	jtf_rs_resource_ extns.source_first_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_last_name	jtf_rs_resource_ extns.source_last_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_middle_ name	jtf_rs_resource_extns. source_middle_ name%type	No	See Resource Information versus Source Information, page 2-3.
p_source_category	jtf_rs_resource_ extns.source_ category%type	No	See Resource Information versus Source Information, page 2-3.
p_source_status	jtf_rs_resource_extns. source_status%type	No	See Resource Information versus Source Information, page 2-3.
p_source_office	jtf_rs_resource_extns. source_office%type	No	See Resource Information versus Source Information, page 2-3.

Parameter	Data Type	Required	Descriptions and Validations
p_source_location	jtf_rs_resource_extns. source_location%type	No	See Resource Information versus Source Information, page 2-3.
p_source_mailstop	jtf_rs_resource_extns.source_mailstop%type	No	See Resource Information versus Source Information, page 2-3.
p_address_id	jtf_rs_resource_extns. address_id%type	No	See Resource Information versus Source Information, page 2-3.
p_object_version_num	jtf_rs_resource_extns.object_version_number%type,	Yes	The object version number of the resource ID derives from the jtf_rs_resource_extns table.
p_user_name	VARCHAR2	No	The name of the person entering values into the source.
p_source_mobile_phone	jtf_rs_resource_extns.source_mobile_phone%type	No	See Resource Information versus Source Information, page 2-3.
p_source_pager	jtf_rs_resource_extns. source_pager%type	No	See Resource Information versus Source Information, page 2-3.
p_attribute1	in jtf_rs_resource_extns.attribute1%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute2	in jtf_rs_resource_extns.attribute2%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute3	in jtf_rs_resource_extns.attribute3%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute4	in jtf_rs_resource_extns.attribute4%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR

Parameter	Data Type	Required	Descriptions and Validations
p_attribute5	in jtf_rs_resource_extns.attribute5%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute6	in jtf_rs_resource_extns.attribute6%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute7	in jtf_rs_resource_extns.attribute7%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute8	in jtf_rs_resource_extns.attribute8%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute9	in jtf_rs_resource_extns.attribute9%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute10	in jtf_rs_resource_extns.attribute10%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute11	in jtf_rs_resource_extns.attribute11%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute12	in jtf_rs_resource_extns.attribute12%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute13	in jtf_rs_resource_extns.attribute13%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute14	in jtf_rs_resource_extns.attribute14%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR

Parameter	Data Type	Required	Descriptions and Validations
p_attribute15	in jtf_rs_resource_extns.attribute15%type	No	Descriptive flexfield segment. Default = FND_API.G_MISS_CHAR
p_attribute_category	in jtf_rs_resource_extns.attribute_category	No	Descriptive flexfield structure definition column. Default = FND_API.G_MISS_CHAR

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

Update_Resource OUT Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Package JTF_RS_GROUPS_PUB

This package contains the following APIs:

- Create_Resource_Group, page 2-28
- Update_Resource_Group, page 2-32

Create_Resource_Group

The Create_Resource_Group API creates a Resource Group and generates the *group_id* number.

Procedure Specification

```
PROCEDURE create_resource_group
(
  p_api_version          in  number,
  p_init_msg_list       in  varchar2  default fnd_api.g_false,
  p_commit              in  varchar2  default fnd_api.g_false,
  p_group_name         in  jtf_rs_groups_vl.group_name%type,
  p_group_desc         in  jtf_rs_groups_vl.group_desc%type
  default null,
  p_exclusive_flag     in  jtf_rs_groups_vl.exclusive_flag%type
  default 'n',
  p_email_address      in  jtf_rs_groups_vl.email_address%type
  default null,
  p_start_date_active  in  jtf_rs_groups_vl.start_date_active%type,
  p_end_date_active    in  jtf_rs_groups_vl.end_date_active%type
  default null,
  p_accounting_code    in  jtf_rs_groups_vl.accounting_code%type
  default null,
  x_return_status      out  varchar2,
  x_msg_count          out  number,
  x_msg_data           out  varchar2,
  x_group_id           out  jtf_rs_groups_vl.group_id%type,
  x_group_number       out  jtf_rs_groups_vl.group_number%type
);
```

Current Version

1.0

Parameter Descriptions

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

Create_Resource_Group IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Parameter	Data Type	Required	Descriptions and Validations
p_group_name	jtf_rs_groups_vl. group_name%type	Yes	The name of the resource group.
p_group_desc	jtf_rs_groups_vl. group_desc%type	No	A description of the resource group.
p_exclusive_flag	jtf_rs_groups_vl. exclusive_flag%type	No	<p>Boolean value:</p> <ul style="list-style-type: none"> • Yes - Assign resources only to this group with a particular member role and group usage that is not assigned to any other exclusive group with the same role and usage in the same time frame. • No - Disable this feature. <p>If p_exclusive_flag is set to yes, then you can assign resources only to this group with a particular member role and group usage that is not assigned to any other exclusive group with the same role and usage in the same time frame.</p> <p>Because you specify the resource in this group exclusively, the same resource with the same member roles cannot be assigned to another group during the overlapping time frame.</p>
p_email_address	jtf_rs_groups_vl. email_address%type	No	The email address of the group owner.

Parameter	Data Type	Required	Descriptions and Validations
p_start_date_active	jtf_rs_groups_vl.start_date_active%type	Yes	Date on which the resource group becomes active. This value can not be NULL, and the start date must be less than the end date.
p_end_date_active	jtf_rs_groups_vl.end_date_active%type	No	Date on which the resource group is no longer active. If no end date is provided, the group is active indefinitely.
p_accounting_code	jtf_rs_groups_vl.accounting_code%type	No	Account code, for internal use only.

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

Create_Resource OUT Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_group_id	jtf_rs_groups_vl.group_id%type,	The automatically generated group identifier that is created through an internal call to JTF_RS_GROUPS_S.
x_group_number	jtf_rs_groups_vl.group_number%type	The automatically generated group number that is created through an internal call to JTF_RS_GROUP_NUMBER_S.

Update_Resource_Group

The Update_Resource API updates resource group attributes such as Group Name, Group Description, Start and End Date effectively.

Procedure Specification

```
PROCEDURE update_resource_group
(
  p_api_version          in number,
  p_init_msg_list       in varchar2
  default fnd_api.g_false,
  p_commit              in varchar2
  default fnd_api.g_false,
  p_group_id           in jtf_rs_groups_vl.group_id%type,
  p_group_number       in jtf_rs_groups_vl.group_number%type,
  p_group_name         in jtf_rs_groups_vl.group_name%type
  default fnd_api.g_miss_char,
  p_group_desc         in jtf_rs_groups_vl.group_desc%type
  default fnd_api.g_miss_char,
  p_exclusive_flag     in jtf_rs_groups_vl.exclusive_flag%type
  default fnd_api.g_miss_char,
  p_email_address      in jtf_rs_groups_vl.email_address%type
  default fnd_api.g_miss_char,
  p_start_date_active  in jtf_rs_groups_vl.start_date_active%type
  default fnd_api.g_miss_date,
  p_end_date_active    in jtf_rs_groups_vl.end_date_active%type
  default fnd_api.g_miss_date,
  p_accounting_code    in jtf_rs_groups_vl.accounting_code%type
  default fnd_api.g_miss_char,
  p_object_version_num in out jtf_rs_groups_vl.object_version_number%type,
  x_return_status      out  varchar2,
  x_msg_count          out  number,
  x_msg_data           out  varchar2
);
```

Current Version

1.0

Parameter Descriptions

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

Update_Resource_Group IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_group_id	jtf_rs_groups_vl. group_id%type	Yes	The value is created through an internal call in the Create_Resource, page 2-3 API. This parameter is validated for existence in table JTF_RS_GROUPS_B.
p_group_number	jtf_rs_groups. group_id%type	No	The value is created through an internal call in the Create_Resource, page 2-3 API.
p_group_name	jtf_rs_groups_vl. group_name%type	Yes	The name of the resource group.
p_group_desc	jtf_rs_groups_vl. group_desc%type	No	A description of the resource group.

Parameter	Data Type	Required	Descriptions and Validations
p_exclusive_flag	jtf_rs_groups_vl. exclusive_flag%type	No	<p>Boolean value:</p> <ul style="list-style-type: none"> • Yes - Assign resources only to this group with a particular member role and group usage that is not assigned to any other exclusive group with the same role and usage in the same time frame. • No - Disable this feature. <p>If p_exclusive_flag is set to yes, then you can assign resources only to this group with a particular member role and group usage that is not assigned to any other exclusive group with the same role and usage in the same time frame.</p> <p>Because you specify the resource in this group exclusively, the same resource with the same member roles cannot be assigned to another group during the overlapping time frame.</p> <p>The default is No.</p>
p_email_address	jtf_rs_groups_vl. email_address%type	No	<p>The email address of the group owner.</p>

Parameter	Data Type	Required	Descriptions and Validations
p_start_date_active	jtf_rs_groups_vl.start_date_active%type	Yes	Date on which the resource group becomes active. This value can not be NULL, and the start date must be less than the end date.
p_end_date_active	jtf_rs_groups_vl.end_date_active%type	No	Date on which the resource group is no longer active. If no end date is provided, the resource is active indefinitely.
p_accounting_code	jtf_rs_groups_vl.accounting_code%type	No	Account Code, for internal use only.
p_object_version_num	jtf_rs_groups_vl.object_version_number%type	Yes	The object version number of the group ID derives from the jtf_rs_groups_extns table.

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

Update_Resource_Group OUT Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Package JTF_RS_SALESREPS_PUB

This package contains the following APIs:

- Create_SalesRep, page 2-36
- Update_SalesRep, page 2-40

Create_SalesRep

The Create_SalesRep API creates a resource of type Salesrep. The API verifies the resource ID parameter from the JTF_RS_RESOURCE_EXTNS table which is created using the Create_Resource API.

Setting the org_context

When using a script to call the the Create_Salesrep API, the following commands must be used to properly set the org_context:

```
mo_global.set_org_context(999, NULL);
```

where 999 is the org_id parameter value to which the context is set. This should be done every time you call the Create_Salesrep API.

Procedure Specification

```
PROCEDURE create_salesrep
(
  p_api_version          in    number,
  p_init_msg_list       in    varchar2 default fnd_api.g_false,
  p_commit              in    varchar2 default fnd_api.g_false,
  p_resource_id         in    jtf_rs_salesreps.resource_id%type,
  p_sales_credit_type_id in    jtf_rs_salesreps.sales_credit_type_id%type,
  p_name                in    jtf_rs_salesreps.name%type
                        default null,
  p_status              in    jtf_rs_salesreps.status%type
                        default null,
  p_start_date_active   in    jtf_rs_salesreps.start_date_active%type
                        default null,
  p_end_date_active     in    jtf_rs_salesreps.end_date_active%type
                        default sysdate,
  p_gl_id_rev           in    jtf_rs_salesreps.gl_id_rev%type
                        default null,
  p_gl_id_freight       in    jtf_rs_salesreps.gl_id_freight%type
                        default null,
  p_gl_id_rec           in    jtf_rs_salesreps.gl_id_rec%type
                        default null,
  p_set_of_books_id     in    jtf_rs_salesreps.set_of_books_id%type
                        default null,
  p_salesrep_number     in    jtf_rs_salesreps.salesrep_number%type
                        default null,
  p_email_address       in    jtf_rs_salesreps.email_address%type
                        default null,
  p_wh_update_date     in    jtf_rs_salesreps.wh_update_date%type
                        default null,
  p_sales_tax_geocode   in    jtf_rs_salesreps.sales_tax_geocode%type
                        default null,
  p_sales_tax_inside_city_limits in jtf_rs_salesreps.sales_tax_inside_city_limits%type
                        default null,
  x_return_status       out    varchar2,
  x_msg_count           out    number,
  x_msg_data            out    varchar2,
  x_salesrep_id         out    jtf_rs_salesreps.salesrep_id%type
);
```

Current Version

1.0

Parameter Descriptions

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

Create_SalesRep IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_resource_id	jtf_rs_salesreps. resource_id%type	Yes	This value is created through an internal call in the Create_Resource, page 2-3 API. The reference identifier is validated for existence in JTF_RS_RESOURCE_EXTNS.
p_sales_credit_type_id	jtf_rs_salesreps. sales_credit_type_id%type	Yes	This value is validated against table OE_SALES_CREDIT_TYPES.
p_name	jtf_rs_salesreps. name%type	No	The sales person's name.
p_status	jtf_rs_salesreps. status%type	No	The status of this salesperson. For example, this could be set to Active.
p_start_date_active	jtf_rs_salesreps. start_date_active%type	No	Date on which the salesperson becomes active. This value can not be NULL, and the start date must be less than the end date.
p_end_date_active	jtf_rs_salesreps. end_date_active%type	No	The effective end date for the salespersons. If no end date is provided, the salesperson is active indefinitely.

Parameter	Data Type	Required	Descriptions and Validations
p_gl_id_rev	jtf_rs_salesreps.gl_id_rev%type	No	Accounting flexfield used for Revenue accounts. This value is used by Oracle Accounts Receivables only to determine the revenue accounts for invoices assigned to this salesperson.
p_gl_id_freight	jtf_rs_salesreps.gl_id_frieght%type	No	Accounting flexfield used for Freight accounts. This value is used by Oracle Accounts Receivables only to determine the freight accounts for invoices assigned to this salesperson.
p_gl_id_rec	jtf_rs_salesreps.gl_id_rec%type	No	Accounting flexfield used for Receivables accounts. This value is used by Oracle Accounts Receivables only to determine the receivable accounts for invoices assigned to this salesperson.
p_set_of_books_id	jtf_rs_salesreps.set_of_books_id%type	No	Set of books identifier, used by Oracle Accounts Receivables.
p_salesrep_number	jtf_rs_salesreps.salesrep_number%type	No	This typical alphanumeric designation is user generated.
p_email_address	jtf_rs_salesreps.email_address%type	No	Email address of the salesperson.
p_wh_update_date	jtf_rs_salesreps.wh_update_date%type	No	This date is sent to the data warehouse. This parameter is used for backwards compatibility with Oracle Accounts Receivables and is written to table RA_SALESREPS_ALL.

Parameter	Data Type	Required	Descriptions and Validations
p_sales_tax_geocode	jtf_rs_salesreps.sales_tax_geocode%type	No	Sales tax code, it associates the salesperson with a unique tax jurisdiction. Use only if a sales tax vendor is also installed.
p_sales_tax_inside_city_limits	jtf_rs_salesreps.sales_tax_inside_city_limits%type	No	Indicates that the tax jurisdiction for this address is within city limits. Use only if a value for p_sales_tax_geocode is supplied.

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

Create_SalesRep OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_salesrep_id	jtf_rs_salesrep.salesrep_id%type	The automatically generated salesperson identifier that is created through an internal call to JTF_RS_SALESREPS_S.

Update_SalesRep

The Update_SalesRep API updates SalesRep attributes such as Salesperson Number, Sales Credit Type, Start and End Date.

Setting the org_context

When using a script to call the the Update_Salesrep API, the following commands must be used to properly set the org_context:

```
mo_global.set_org_context(999, NULL);
```

where 999 is the org_id parameter value to which the context is set. This should be done every time you call the Update_Salesrep API.

Procedure Specification

```
PROCEDURE update_salesrep
(
  p_api_version          in    number,
  p_init_msg_list        in    varchar2
                        default fnd_api.g_false,
  p_commit                in    varchar2
                        default fnd_api.g_false,
  p_salesrep_id          in    jtf_rs_salesreps.salesrep_id%type,
  p_sales_credit_type_id in    jtf_rs_salesreps.sales_credit_type_
id%type,
  p_name                  in    jtf_rs_salesreps.name%type
                        default fnd_api.g_miss_char,
  p_status                in    jtf_rs_salesreps.status%type
                        default fnd_api.g_miss_char,
  p_start_date_active    in    jtf_rs_salesreps.start_date_active%
typ                        default fnd_api.g_miss_date,
  p_end_date_active      in    jtf_rs_salesreps.end_date_active%ty
pe                        default fnd_api.g_miss_date,
  p_gl_id_rev            in    jtf_rs_salesreps.gl_id_rev%type
                        default fnd_api.g_miss_num,
  p_gl_id_freight        in    jtf_rs_salesreps.gl_id_freight%type
                        default fnd_api.g_miss_num,
  p_gl_id_rec            in    jtf_rs_salesreps.gl_id_rec%type
                        default fnd_api.g_miss_num,
  p_set_of_books_id      in    jtf_rs_salesreps.set_of_books_id%ty
pe                        default fnd_api.g_miss_num,
  p_salesrep_number      in    jtf_rs_salesreps.salesrep_number%ty
pe                        default fnd_api.g_miss_char,
  p_email_address        in    jtf_rs_salesreps.email_address%type
                        default fnd_api.g_miss_char,
  p_wh_update_date      in    jtf_rs_salesreps.wh_update_date%typ
e                        default fnd_api.g_miss_date,
  p_sales_tax_geocode    in    jtf_rs_salesreps.sales_tax_geocode%
type                        default fnd_api.g_miss_char,
  p_sales_tax_inside_city_limits in    jtf_rs_salesreps.sales_tax_in
side_city_limits%type      default fnd_api.g_miss_char,
  p_org_id                in    jtf_rs_salesreps.org_id%type,
  p_object_version_number in out jtf_rs_salesreps.object_versio
n_number%type,
  x_return_status        out    varchar2,
  x_msg_count            out    number,
  x_msg_data             out    varchar2
);
```

Current Version

1.0

Parameter Descriptions

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

Update_SalesRep IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_salesrep_id	jtf_rs_salesreps. salesrep_id%type	Yes	This value is created through an internal call in the Create_SalesRep, page 2-36 API. If a valid value is not supplied, the API exits with an unexpected error condition.
p_sales_credit_type_id	jtf_rs_salesreps.sales_ credit_type_id%type	Yes	This value is validated against table OE_SALES_CREDIT_TY PES.
p_name	jtf_rs_salesreps. name%type	No	The sales person's name.
p_status	jtf_rs_salesreps. status%type	No	The status of this salesperson. For example, this could be set to Active.
p_start_date_active	jtf_rs_slasreps.start_ date_active%type	No	Date on which the salesperson becomes active. This value can not be NULL, and the start date must be less than the end date.

Parameter	Data Type	Required	Descriptions and Validations
p_end_date_active	jtf_rs_salesreps. end_date_active%type	No	The effective end date for the salesperson. If no end date is provided, the salesperson is active indefinitely.
p_gl_id_rev	jtf_rs_salesreps.gl_id_freight%type	No	Accounting flexfield used for Revenue accounts. This value is used by Oracle Accounts Receivables only to determine the revenue accounts for invoices assigned to this salesperson.
p_gl_id_freight	jtf_rs_salesreps.gl_id_freight%type	No	Accounting flexfield used for Freight accounts. This value is used by Oracle Accounts Receivables only to determine the freight accounts for invoices assigned to this salesperson.
p_gl_id_rec	jtf_rs_salesreps.gl_id_rec%type	No	Accounting flexfield used for Receivables accounts. This value is used by Oracle Accounts Receivables only to determine the receivable accounts for invoices assigned to this salesperson.
p_set_of_books_id	jtf_rs_salesreps.set_of_books_id%type	No	Parameter used by Oracle Accounts Receivables.
p_salesrep_number	jtf_rs_salesreps.salesrep_number%type	No	This typical alphanumeric designation is user generated.
p_email_address	jtf_rs_salesreps.email_address%type	No	Email address of the salesperson.

Parameter	Data Type	Required	Descriptions and Validations
p_wh_update_date	jtf_rs_salesreps.wh_update_date%type	No	This date is sent to the data warehouse. This parameter is used for backwards compatibility with Oracle Accounts Receivables and is written to table RS_SALESREPS_ALL.
p_sales_tax_geocode	jtf_rs_salesreps.sales_tax_geocode%type	No	Sales tax code, it associates the salesperson with a unique tax jurisdiction. Use only if a sales tax vendor is also installed.
p_sales_tax_inside_city_limits	jtf_rs_salesreps.sales_tax_inside_city_limits%type	No	Indicates that the tax jurisdiction for this address is within city limits. Use only if a value for p_sales_tax_geocode is supplied.
p_org_id	jtf_rs_salesreps.org_id%type	Yes	Organization Identifier
p_object_version_number	jtf_rs_salesreps.object_version_number%type	Yes	The object version number of the salesrep ID derives from the JTF_RS_SALESREPS table.

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

Update_SalesRep OUT Parameters

Parameter	Data Type	Descriptions and Validations
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Messages and Notifications

The APIs contained in the Resource Manager public packages generate messages and notifications as needed. These messages are detailed in the following sections.

- JTF_RS_RESOURCE_PUB, page 2-45
- JTF_RS_GROUPS_PUB, page 2-52
- JTF_RS_SALESREPS_PUB, page 2-55

Note: It is not required that all status notifications provide a number identifier along with the message, although, in many cases, it is provided.

JTF_RS_RESOURCE_PUB

This section describes the messages and notifications generated by the APIs contained in the JTF_RS_RESOURCE_PUB package.

Create_Resource

The following table lists the messages and notifications generated by the Create_Resource API.

Create_Resource Messages

Number	Type	Name	Text
210209	E	JTF_RS_INVALID_EMP_RESOURCE_ID	Employee Resource ID & P_EMP_RESOURCE_ID is not Valid or the Resource is Inactive.
210211	E	JTF_RS_RESOURCE_CATEGORY_NULL	Resource Category should not be NULL.

Number	Type	Name	Text
210212	E	JTF_RS_INVALID_RES_CATEGORY	Resource Category &P_RESOURCE_CATEGORY is not Valid.
210213	E	JTF_RS_TIME_ZONE_NULL	Time Zone is Null.
210214	E	JTF_RS_INVALID_TIME_ZONE	Time Zone ID &P_TIME_ZONE_ID is not Valid.
210215	E	JTF_RS_LANGUAGE_NULL	Language is Null.
210216	E	JTF_RS_INVALID_LANGUAGE	NLS Language &P_LANGUAGE is not Valid.
210224	U	JTF_RS_SOURCE_ID_NULL	Source Identifier should not be NULL.
210328	U	JTF_RS_USERID_ERROR	For the specified Category, User ID should be NULL.
210229	U	JTF_RS_EMP_IDS_NOT_NULL	For Resource Category EMPLOYEE address_id and contact_id should be NULL.
210230	U	JTF_RS_ERR_ASSIGN_TO_GRP_ID	Assigned To Group ID, p_assigned_to_group_id is not Valid.
210231	U	JTF_RS_INVALID_FLAG_VALUE	Flag value should either be "Y" or "N."
210235	E	JTF_RS_SUPPORT_SITE_NULL	Support Site should Not be Null.
210236	E	JTF_RS_INVALID_SUPPORT_SITE	Support Site &P_SUPPORT_SITE is Not Valid.
210237	E	JTF_RS_INVALID_SRV_GROUP_ID	Server Group ID &P_SERVER_GROUP_ID is Not Valid.
210238	E	JTF_RS_INVALID_SVR_GROUP_NAME	Interaction Center Name &P_SERVER_GROUP_NAME is Not Valid.
210239	E	JTF_RS_CURRENCY_NULL	Currency Code should Not be Null.

Number	Type	Name	Text
210240	E	JTF_RS_INVALID_ CURRENCY	Currency Code &P_ CURRENCY is Not Valid.
210241	E	JTF_RS_HOLD_ REASON_CODE_ NULL	Hold Reason Code should Not be Null.
210242	E	JTF_RS_INVALID_ HOLD_REASON_ COD	Hold Reason Code & P_HOLD_REASON_ CODE is Not Valid.
210243	E	JTF_RS_TEAM_ NULL	Team ID and Team Number are Null.
210244	E	JTF_RS_INVALID_ TEAM	Team ID &P_TEAM_ ID is Not Valid.
210245	E	JTF_RS_INVALID_ TEAM_NUMBER	Team Number &P_ TEAM_NUMBER is Not Valid.
210259	E	JTF_RS_USER_ID_ NULL	User ID cannot be Null.
210260	E	JTF_RS_INVALID_ USER_ID	User ID &P_USER_ID is Not Valid.
210340	U	JTF_RS_INVALID_ RL_RES_TYPE	Role Resource Type does not exist in JTF Objects.
210346	U	JTF_RS_INVALID_ OBJ_USER_CODE	Invalid Object User code.
210393	U	JTF_RS_UNEXP_ ERROR	An unexpected error was encountered in &P_API_NAME.
210218	E	JTF_RS_TABLE_ HANDLER_ERROR	Error in the Table Handler.
210265	E	JTF_RS_ERR_POST_ CUST_USR_HOOK	Returned Error status from the Post Customer User Hook.
210266	E	JTF_RS_ERR_POST_ VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210327	E	JTF_RS_ERR_POST_ INT_USR_HOOK	Returned Error status from the Post Internal User Hook.

Number	Type	Name	Text
210267	E	JTF_RS_ERR_MESG_GENERATE_API	Returned Error status from the Message Generation API.
210393	E	JTF_RS_UNEXP_ERROR	Program Error: An unexpected error was encountered in &P_API_NAME.
210207	U	JTF_RS_RESOURCE_NULL	Resource identifier and Resource Number are NULL.
210219	U	JTF_RS_START_DATE_NULL	Start Date Active cannot be NULL.
210220	U	JTF_RS_OTHER_IDS_NOT_NULL	For Resource Category OTHER/TBH the Source identifier, Address identifier, Contact identifier, and Managing Emp identifier should be NULL.
210221	U	JTF_RS_PARTNER_IDS_NULL	For Resource Category PARTNER the Source_id should not be NULL.
210222	U	JTF_RS_INVALID_PARTNER_IDS	Partner does not exist for the passed Source_id.
210223	U	JTF_RS_ERR_PARTNER_CONTACT_ID	Partner contact id p_contact_id is not valid.
210225	U	JTF_RS_INVALID_SOURCE_ID	Source identifier p_source_id is not valid.
210226	U	JTF_RS_INVALID_PARTY_ADDRESS	Party Address identifier <Address_id> is Not Valid.
210227	U	JTF_RS_ERR_PARTY_CONTACT_ID	Party Contact identifier <Contact_id> is Not Valid.
210228	U	JTF_RS_SC_IDS_NOT_NULL	For Resource Category SUPPLIER_CONTACT Address_id and Contact_id should be NULL.

Number	Type	Name	Text
210374	U	JTF_RS_ERR_DUPLICATE_USER_ID	The user identifier <User_id> already exist.
380060	E	JTF_RS_NOT_PRIMARY_ADDR	The address ID passed in is not the primary address of the PARTY/PARTNER.
210383	U	JTF_RS_ERR_PARTNER_ADDRESS_ID	Partner address identifier p_address_id is not valid.

Update_Resource

The following table lists the messages and notifications generated by the Update_Resource API.

Update_Resource Messages

Number	Type	Name	Text
210204	U	JTF_RS_INVALID_RESOURCE	Resource identifier <Resource_id> is not valid or is inactive.
210208	U	JTF_RS_INVALID_ID_RESOURCE_NUMBER	Resource Number <Resource_number> is not valid or the resource is inactive.
210209	E	JTF_RS_INVALID_EMP_RESOURCE_ID	Employee Resource ID &P_EMP_RESOURCE_ID is not Valid or the Resource is Inactive.
210213	E	JTF_RS_TIME_ZONE_NULL	Time Zone is Null.
210214	E	JTF_RS_INVALID_TIME_ZONE	Time Zone ID &P_TIME_ZONE_ID is not Valid.
210215	E	JTF_RS_LANGUAGE_NULL	Language is Null.
210216	E	JTF_RS_INVALID_LANGUAGE	NLS Language &P_LANGUAGE is not Valid.
210218	U	JTF_RS_TABLE_HANDLER_ERROR	Error in the Table Handler.

Number	Type	Name	Text
210219	U	JTF_RS_START_DATE_NULL	Start Date Active cannot be NULL.
210327	E	JTF_RS_ERR_POST_INT_USR_HOOK	Returned Error status from the Post Internal User Hook.
210230	U	JTF_RS_ERR_ASSIGN_TO_GRP_ID	Assigned To Group identifier <Assigned_to_group_id> is not valid.
210231	U	JTF_RS_INVALID_FLAG_VALUE	Flag value should either be "Y" or "N."
210232	E	JTF_RS_ERR_START_DATE_GREATER_THAN_END_DATE_ACTIVE	Start Date Active cannot be greater than the End Date Active.
210236	E	JTF_RS_INVALID_SUPPORT_SITE	Support Site &P_SUPPORT_SITE is Not Valid.
210237	E	JTF_RS_INVALID_SERVER_GROUP_ID	Server Group ID &P_SERVER_GROUP_ID is Not Valid.
210238	E	JTF_RS_INVALID_SERVER_GROUP_NAME	Interaction Center Name &P_SERVER_GROUP_NAME is Not Valid.
210239	E	JTF_RS_CURRENCY_NULL	Currency Code should Not be Null.
210240	E	JTF_RS_INVALID_CURRENCY	Currency Code &P_CURRENCY is Not Valid.
210241	E	JTF_RS_HOLD_REASON_CODE_NULL	Hold Reason Code should Not be Null.
210242	E	JTF_RS_INVALID_HOLD_REASON_CODE	Hold Reason Code &P_HOLD_REASON_CODE is Not Valid.
210243	E	JTF_RS_TEAM_NULL	Team ID and Team Number are Null.
210244	E	JTF_RS_INVALID_TEAM_ID	Team ID &P_TEAM_ID is Not Valid.
210245	E	JTF_RS_INVALID_TEAM_NUMBER	Team Number &P_TEAM_NUMBER is Not Valid.

Number	Type	Name	Text
210254	E	JTF_RS_ROW_ LOCK_ERROR	This record has been updated by another user. Please requery and try again.
210259	E	JTF_RS_USER_ID_ NULL	User ID cannot be Null.
210260	E	JTF_RS_INVALID_ USER_ID	User ID &P_USER_ID is Not Valid.
210265	E	JTF_RS_ERR_POST_ CUST_USR_HOOK	Returned Error status from the Post Customer User Hook.
210266	E	JTF_RS_ERR_POST_ VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210267	E	JTF_RS_ERR_MESG_ GENERATE_API	Returned Error status from the Message Generation API.
210275	E	JTF_RS_ERR_RES_ ROLE_START_DATE	Resource Start Date out of range for the role related start dates of the Resource.
210276	E	JTF_RS_ERR_RES_ ROLE_END_DATE	Resource End Date out of range for the role related End dates of the Resource.
210277	E	JTF_RS_ERR_RES_ GMBR_START_DATE	Resource Start Date out of range for the group member role related start dates for the Resource.
210278	E	JTF_RS_ERR_RES_ GMBR_END_DATE	Resource End Date out of range for the group member role related end dates for the Resource.
210279	E	JTF_RS_ERR_RES_ TMBR_START_DATE	Resource Start Date out of range for the Team Member role related start dates for the Resource, where the Team Member is a Resource.

Number	Type	Name	Text
210280	E	JTF_RS_ERR_RES_TMBR_END_DATE	Resource End Date out of range for the Team Member role related end dates for the Resource, where the Team Member is a Resource.
210281	E	JTF_RS_ERR_RES_SR_P_START_DATE	Resource Start Date out of range for the salesperson related start dates of the resource.
210282	E	JTF_RS_ERR_RES_SR_P_END_DATE	Resource End Date out of range for the salesperson related End dates of the Resource.
210328	U	JTF_RS_USERID_ERROR	For the specified Category, User identifier should be NULL.
210374	U	JTF_RS_ERR_DUPLICATE_USER_ID	The user identifier <User_id> already exist.
210393	U	JTF_RS_UNEXP_ERROR	An unexpected error was encountered in &P_API_NAME.
380001	E	JTF_RS_XMLGEN_ERR	Package JTF_USR_HKS is invalid.
380002	E	JTF_RS_JUHK_ERR	Package JTF_USR_HKS is invalid.
380060	E	JTF_RS_NOT_PRIMARY_ADDR	The address ID passed in is not the primary address of the PARTY/PARTNER.

JTF_RS_GROUPS_PUB

This section describes the messages and notifications generated by the APIs contained in the JTF_RS_GROUPS_PUB package.

Create_Resource_Group

The following table lists the messages and notifications generated by the Create_Resource_Group API.

Create_Resource_Group Messages

Number	Type	Name	Text
210201	U	JTF_RS_GROUP_NAME_NULL	Group Name cannot be NULL.
210218	U	JTF_RS_TABLE_HANDLER_ERROR	Error in the Table Handler.
210219	U	JTF_RS_START_DATE_NULL	Start Date Active cannot be NULL.
210232	E	JTF_RS_ERR_STDT_GREATER_EDDT	Start Date Active cannot be greater than the End Date Active.
210261	E	JTF_RS_ERR_PRE_CUST_USR_HOOK	Returned Error status from the Pre Customer User Hook.
210262	E	JTF_RS_ERR_PRE_VERT_USR_HOOK	Returned Error status from the Pre Vertical User Hook.
210265	E	JTF_RS_ERR_POST_CUST_USR_HOOK	Returned Error status from the Post Customer User Hook.
210266	E	JTF_RS_ERR_POST_VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210267	E	JTF_RS_ERR_MESG_GENERATE_API	Returned Error status from the Message Generation API.
210327	E	JTF_RS_ERR_POST_INT_USR_HOOK	Returned Error status from the Post Internal User Hook.
210371	E	JTF_RS_ERR_PRE_INT_USR_HOOK	Returned Error status from the Pre Internal User Hook.

Update_Resource_Group

The following table lists the messages and notifications generated by the Update_Resource_Group API.

Update_Resource_Group Messages

Number	Type	Name	Text
210201	U	JTF_RS_GROUP_ NAME_NULL	Group Name cannot be NULL.
210246	E	JTF_RS_ERR_ROLE_ START_DATE	Group Start Date Out of Range for the Related Roles Start dates for the Group.
210247	E	JTF_RS_ERR_ROLE_ END_DATE	Group End Date Out of Range for the Related Roles End dates for the Group.
210248	E	JTF_RS_ERR_GRP_ MBR_START_DATE	Group Start Date Out of Range for the Group Member Role Related Start Dates.
210249	E	JTF_RS_ERR_GRP_ MBR_END_DATE	Group End Date Out of Range for the Group Member Role Related End Dates.
210250	E	JTF_RS_ERR_GRP_ REL_START_DATE	Group Start Date Out of Range for the Group Relations Related Start Dates.
210251	E	JTF_RS_ERR_GRP_ REL_END_DATE	Group End Date Out of Range for the Group Relations Related End Dates.
210252	E	JTF_RS_ERR_TEAM_ MBR_START_DATE	Group Start Date Out of Range for the Team Member Role Related Start Dates for the Group, where the Team Member is a Group.
210253	E	JTF_RS_ERR_TEAM_ MBR_END_DATE	Group End Date Out of Range for the Team Member Role Related End Dates for the Group, where the Team Member is a Group.
210254	E	JTF_RS_ROW_ LOCK_ERROR	This record has been updated by another user. Please requery and try again.

Number	Type	Name	Text
210261	E	JTF_RS_ERR_PRE_CUST_USR_HOOK	Returned Error status from the Pre Customer User Hook.
210262	E	JTF_RS_ERR_PRE_VERT_USR_HOOK	Returned Error status from the Pre Vertical User Hook.
210264	E	JTF_RS_EXCLUSIVE_GROUP	Group usage cannot be created as one of the member dates overlap with another record for the same resource assigned to another exclusive group with the same usage in the same time period.
210266	E	JTF_RS_ERR_POST_VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210268	E	JTF_RS_INVALID_GROUP	Usage &P_USAGE is not setup for the Group ID &P_GROUP_ID.
210371	E	JTF_RS_ERR_PRE_INT_USR_HOOK	Returned Error status from the Pre Internal User Hook.

JTF_RS_SALESREPS_PUB

This section describes the messages and notifications generated by the APIs contained in the JTF_RS_SALESREPS_PUB package.

Create_SalesRep

The following table lists the messages and notifications generated by the Create_SalesRep API.

Create_SalesRep Messages

Number	Type	Name	Text
210204	E	JTF_RS_INVALID_RESOURCE	Resource identifier <Resource_id> is not valid or is inactive.
210207	U	JTF_RS_RESOURCE_NULL	Resource identifier and Resource Number are NULL.

Number	Type	Name	Text
210208	E	JTF_RS_INVALID_RESOURCE_NUMBER	Resource Number <Resource_number> is not valid or the resource is inactive.
210218	U	JTF_RS_TABLE_HANDLER_ERROR	Error in the Table Handler.
210219	E	JTF_RS_START_DATE_NULL	Start Date Active cannot be null.
210232	E	JTF_RS_ERR_STDT_GREATER_EDDT	Start Date Active cannot be greater than the End Date Active.
210261	E	JTF_RS_ERR_PRE_CUST_USR_HOOK	Returned Error status from the Pre Customer User Hook.
210262	E	JTF_RS_ERR_PRE_VERT_USR_HOOK	Returned Error status from the Pre Vertical User Hook.
210265	E	JTF_RS_ERR_POST_CUST_USR_HOOK	Returned Error status from the Post Customer User Hook.
210266	E	JTF_RS_ERR_POST_VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210267	E	JTF_RS_ERR_MSG_GENERATE_API	Returned Error status from the Message Generation API.
210283	E	JTF_RS_ERR_SALESREP_NUMBER	Salesperson Number &P_SALESREP_NUMBER already exists.
210284	E	JTF_RS_SALESREP_NUMBER_NULL	Salesperson Number cannot be Null.
210285	E	JTF_RS_ERR_SALES_CREDIT_TYPE	Sales Credit Type identifier <Sales_credit_type_id> is invalid.
210286	E	JTF_RS_SALES_CREDIT_TYPE_NULL	Sales Credit Type identifier cannot be NULL.

Number	Type	Name	Text
210327	E	JTF_RS_ERR_POST_ INT_USR_HOOK	Returned Error status from the Post Internal User Hook.
210371	E	JTF_RS_ERR_PRE_ INT_USR_HOOK	Returned Error status from the Pre Internal User Hook.

Update_SalesRep

The following table lists the messages and notifications generated by the Update_SalesRep API.

Update_SalesRep Messages

Number	Type	Name	Text
210218	E	JTF_RS_TABLE_ HANDLER_ERROR	Error in the Table Handler.
210219	U	JTF_RS_START_ DATE_NULL	Start Date Active cannot be NULL.
210232	E	JTF_RS_ERR_STDT_ GREATER_EDDT	Start Date Active cannot be greater than the End Date Active.
210261	E	JTF_RS_ERR_PRE_ CUST_USR_HOOK	Returned Error status from the Pre Customer User Hook.
210262	E	JTF_RS_ERR_PRE_ VERT_USR_HOOK	Returned Error status from the Pre Vertical User Hook.
210265	E	JTF_RS_ERR_POST_ CUST_USR_HOOK	Returned Error status from the Post Customer User Hook.
210266	E	JTF_RS_ERR_POST_ VERT_USR_HOOK	Returned Error status from the Post Vertical User Hook.
210267	E	JTF_RS_ERR_MESG_ GENERATE_API	Returned Error status from the Message Generation API.
210283	E	JTF_RS_ERR_ SALESREP_NUMBER	Salesperson Number &P_SALESREP_NUMBER already exists.
210284	E	JTF_RS_SALESREP_ NUMBER_NULL	Salesperson Number cannot be Null.

Number	Type	Name	Text
210285	E	JTF_RS_ERR_SALES_CREDIT_TYPE	Sales Credit Type identifier <Sales_credit_type_id> is invalid.
210286	E	JTF_RS_SALES_CREDIT_TYPE_NULL	Sales Credit Type identifier cannot be NULL.
210315	E	JTF_RS_SALESREP_ID_NULL	Salesperson identifier cannot be NULL.
210316	E	JTF_RS_INVALID_SALESREP_ID	Salesperson identifier <Salesrep_id> is invalid.
210327	E	JTF_RS_ERR_POST_INT_USR_HOOK	Returned Error status from the Post Internal User Hook.
210371	E	JTF_RS_ERR_PRE_INT_USR_HOOK	Returned Error status from the Pre Internal User Hook.

Sample Code

This section contains SQL scripts that call the Resource Manager public APIs stored in the following packages and insert values as required:

- JTF_RS_RESOURCE_PUB, page 2-58
- JTF_RS_GROUPS_PUB, page 2-65
- JTF_RS_SALESREPS_PUB, page 2-70

JTF_RS_RESOURCE_PUB

The SQL scripts in this section create and update a resource by calling the APIs contained in the JTF_RS_RESOURCE_PUB package in succession and by providing them with the appropriate values.

Create_Resource

This script calls the Create_Resource API and provides the values listed in the following table using the Create_Resource IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Create_Resource API Sample Code Variables

Variable	Description
<code>l_api_version</code>	Version is 1.0.
<code>l_category</code>	Category is Employee.
<code>l_source_id</code>	Source ID is equal to 10001.
<code>l_resource_name</code>	Resource name is Rachel Abbott.
<code>l_managing_emp_id</code>	Her employee ID number is 1100.
<code>l_user_id</code>	User ID is 2294.
<code>l_time_zone</code>	Time zone is 92.
<code>l_cost_per_hr</code>	Her rate is \$25.00 per hour.
<code>l_primary_language</code>	The primary language is American English.
<code>l_secondary_language</code>	The secondary language is Candian French.
<code>l_support_site_id</code>	The support site ID number is 22917.
<code>l_ies_agent_login</code>	The agent login is "guest".
<code>l_server_group_id</code>	The server group ID number is 112.
<code>l_interaction_center_name</code>	The interaction center name for the group is "CCTAGENT01".
<code>l_assigned_to_group_id</code>	The assigned group ID number is 1548.
<code>l_cost_center</code>	The cost center number is OA55.
<code>l_charge_to_cost_center</code>	The charge to the cost center is 250.
<code>l_comp_currency_code</code>	The currency code is AUD.
<code>l_commissionable_flag</code>	The flag is set to "Y".
<code>l_hold_reason_code</code>	The hold reason code is HRC-1.
<code>l_hold_payment</code>	The hold payment flag is set to "N".
<code>l_comp_service_team_id</code>	The comp service team ID is 10072.
<code>l_source_name</code>	The source name is Abbott, Ms. Rachel (Rachel).
<code>l_source_number</code>	The source number is 159.
<code>l_source_job_title</code>	The source title is SAL600.Sales Representative.

Variable	Description
<code>l_source_email</code>	Her email address is rabbott@visionhr.com.
<code>l_source_phone</code>	Her phone number is 650-555-1212.

```
SET SERVEROUTPUT ON
```

```
declare
```

```

l_api_version          number
                        := 1.0;
l_category             jtf_rs_resource_extns.category%type
                        := 'EMPLOYEE';
l_source_id           jtf_rs_resource_extns.source_id%type
                        := 10001;
l_resource_name       jtf_rs_resource_extns_tl.resource_name
%type                 := 'Rachel Abbott';
l_managing_emp_id     jtf_rs_resource_extns.managing_employe
e_id%type             := 1100;
l_user_id             jtf_rs_resource_extns.user_id%type
                        := 2294;
l_time_zone           jtf_rs_resource_extns.time_zone%type
                        := 92;
l_cost_per_hr         jtf_rs_resource_extns.cost_per_hr%type
                        := 25;
l_primary_language    jtf_rs_resource_extns.primary_language
%type                 := 'AMERICAN';
l_secondary_language  jtf_rs_resource_extns.secondary_langua
ge%type               := 'CANADIAN FRENCH';
l_support_site_id     jtf_rs_resource_extns.support_site_id%
type                  := 22917;
l_ies_agent_login     jtf_rs_resource_extns.ies_agent_login%
type                  := 'guest';
l_server_group_id     jtf_rs_resource_extns.server_group_id%
type                  := 112;
l_interaction_center_name ieo_svr_groups.group_name%type
                        := 'CCTAGENT01';
l_assigned_to_group_id jtf_rs_resource_extns.assigned_to_grou
p_id%type              := 1548;
l_cost_center         jtf_rs_resource_extns.cost_center%type
                        := '0A55';
l_charge_to_cost_center jtf_rs_resource_extns.charge_to_cost_c
enter%type              := '250';
l_comp_currency_code  jtf_rs_resource_extns.compensation_cur
rency_code%type        := 'AUD';
l_commissionable_flag jtf_rs_resource_extns.commissionable_f
lag%type                := 'Y';
l_hold_reason_code    jtf_rs_resource_extns.hold_reason_code
%type                  := 'HRC-1';
l_hold_payment        jtf_rs_resource_extns.hold_payment%typ
e                       := 'N';
l_comp_service_team_id jtf_rs_resource_extns.comp_service_tea
m_id%type               := 10072;
l_source_name         jtf_rs_resource_extns.source_name%type
                        := 'Abbott, Ms. Rachel (Rachel)';

```



```

l_source_number          jtf_rs_resource_extns.source_number%type
pe                      := 159;
l_source_job_title      jtf_rs_resource_extns.source_job_title
%type                   := 'SAL600.Sales Representative';
l_source_email          jtf_rs_resource_extns.source_email%type
e                       := 'rabbott@visionhr.com';
l_source_phone          jtf_rs_resource_extns.source_phone%type
e                       := '650-555-1212';

l_return_status         varchar2(1);
l_msg_count             number;
l_msg_data              varchar2(2000);
l_resource_id           jtf_rs_resource_extns.resource_id%type
;
l_resource_number       jtf_rs_resource_extns.resource_number%
type;

l_msg_data1             varchar2(2000);
l_msg_index_out         number;

begin

jtf_rs_resource_pub.create_resource
(P_API_VERSION          => l_api_version,
P_CATEGORY              => l_category,
P_START_DATE_ACTIVE    => sysdate,
P_END_DATE_ACTIVE      => null,
P_SOURCE_ID            => l_source_id,
P_RESOURCE_NAME        => l_resource_name,
P_MANAGING_EMP_ID     => l_managing_emp_id,
P_USER_ID              => l_user_id,
P_TIME_ZONE            => l_time_zone,
P_COST_PER_HR          => l_cost_per_hr,
P_PRIMARY_LANGUAGE     => l_primary_language,
P_SECONDARY_LANGUAGE   => l_secondary_language,
P_SUPPORT_SITE_ID     => l_support_site_id,
P_IES_AGENT_LOGIN     => l_ies_agent_login,
P_SERVER_GROUP_ID     => l_server_group_id,
P_INTERACTION_CENTER_NAME => l_interaction_center_name,
P_ASSIGNED_TO_GROUP_ID => l_assigned_to_group_id,
P_COST_CENTER          => l_cost_center,
P_CHARGE_TO_COST_CENTER => l_charge_to_cost_center,
P_COMP_CURRENCY_CODE   => l_comp_currency_code,
P_COMMISSIONABLE_FLAG => l_commissionable_flag,
P_HOLD_REASON_CODE     => l_hold_reason_code,
P_HOLD_PAYMENT         => l_hold_payment,
P_COMP_SERVICE_TEAM_ID => l_comp_service_team_id,
P_SOURCE_NAME          => l_source_name,
P_SOURCE_NUMBER        => l_source_number,
P_SOURCE_JOB_TITLE     => l_source_job_title,
P_SOURCE_EMAIL         => l_source_email,
P_SOURCE_PHONE         => l_source_phone,
X_RETURN_STATUS        => l_return_status,
X_MSG_COUNT            => l_msg_count,
X_MSG_DATA             => l_msg_data,
X_RESOURCE_ID          => l_resource_id,
X_RESOURCE_NUMBER      => l_resource_number
);

```

```

if (l_return_status <> 'S') then
  if (fnd_msg_pub.count_msg > 0) then
    for i in 1..fnd_msg_pub.count_msg loop
      fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
      l_msg_data1 := l_msg_data1 ||' '|| l_msg_data;
    end loop;
    fnd_message.set_encoded(l_msg_data1);
    dbms_output.put_line(l_msg_data1);
  end if;
else
  dbms_output.put_line ('Return Status - ' || l_return_status);
  dbms_output.put_line ('Resource ID - ' || l_resource_id);
  dbms_output.put_line ('Resource Number - ' || l_resource_number
);
end if;

end;
/

```

Update_Resource

This script calls the Update_Resource API and provides the values listed in the following table using the Update_Resource IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Update_Resource API Sample Code Variables

Variable	Description
l_api_version	Version is 1.0.
l_resource_id	The resource ID is 10000.
l_resource_number	The resource number is 10005.
l_resource_name	Resource name is Rachel Abbott.
l_managing_emp_id	Her employee ID number is 1100.
l_user_id	User ID is 2294.
l_time_zone	Time zone is 92.
l_cost_per_hr	Her rate is \$25.00 per hour.
l_primary_language	The primary language is American English.
l_secondary_language	The secondary language is Candian French.

Variable	Description
<code>l_support_site_id</code>	The support site ID number is 22917.
<code>l_ies_agent_login</code>	The agent login is "guest".
<code>l_server_group_id</code>	The server group ID number is 112.
<code>l_assigned_to_group_id</code>	The assigned group ID number is 1548.
<code>l_cost_center</code>	The cost center number is OA55.
<code>l_charge_to_cost_center</code>	The charge to the cost center is 250.
<code>l_comp_currency_code</code>	The currency code is AUD.
<code>l_commissionable_flag</code>	The flag is set to "Y".
<code>l_hold_reason_code</code>	The hold reason code is HRC-1.
<code>l_hold_payment</code>	The hold payment flag is set to "N".
<code>l_comp_service_team_id</code>	The comp service team ID is 10072.
<code>l_source_name</code>	The source name is Abbott, Ms. Rachel (Rachel).
<code>l_source_number</code>	The source number is 159.
<code>l_source_job_title</code>	The source title is SAL600.Sales Representative.
<code>l_source_email</code>	Her email address is rabbott@visionhr.com.
<code>l_source_phone</code>	Her phone number is 650-555-1212.

SET SERVEROUTPUT ON

declare

```

l_api_version          number
                        := 1.0;
l_resource_id          jtf_rs_resource_extns.resource_id%type
                        := 10000;
l_resource_number      jtf_rs_resource_extns.resource_number%
type                   := '10005';
l_resource_name        jtf_rs_resource_extns_tl.resource_name
%type                  := 'Rachel Abbott';
l_managing_emp_id      jtf_rs_resource_extns.managing_employe
e_id%type              := 1100;
l_user_id              jtf_rs_resource_extns.user_id%type
                        := 2294;
l_time_zone            jtf_rs_resource_extns.time_zone%type
                        := 92;
l_cost_per_hr          jtf_rs_resource_extns.cost_per_hr%type
                        := 25;

```

```

l_primary_language          jtf_rs_resource_extns.primary_language
%type                      := 'AMERICAN';
l_secondary_language       jtf_rs_resource_extns.secondary_langua
ge%type                    := 'CANADIAN FRENCH';
l_support_site_id         jtf_rs_resource_extns.support_site_id%
type                      := 22917;
l_ies_agent_login         jtf_rs_resource_extns.ies_agent_login%
type                      := 'guest';
l_server_group_id         jtf_rs_resource_extns.server_group_id%
type                      := 112;
l_assigned_to_group_id    jtf_rs_resource_extns.assigned_to_grou
p_id%type                 := 1548;
l_cost_center              jtf_rs_resource_extns.cost_center%type
                          := '0A55';
l_charge_to_cost_center   jtf_rs_resource_extns.charge_to_cost_c
enter%type                 := '250';
l_comp_currency_code      jtf_rs_resource_extns.compensation_cur
rency_code%type           := 'AUD';
l_commissionable_flag     jtf_rs_resource_extns.commissionable_f
lag%type                  := 'Y';
l_hold_reason_code        jtf_rs_resource_extns.hold_reason_code
%type                     := 'HRC-1';
l_hold_payment            jtf_rs_resource_extns.hold_payment%typ
e                          := 'N';
l_comp_service_team_id    jtf_rs_resource_extns.comp_service_tea
m_id%type                 := 10072;
l_source_name             jtf_rs_resource_extns.source_name%type
                          := 'Abbott, Ms. Rachel (Rachel)';
l_source_number           jtf_rs_resource_extns.source_number%ty
pe                         := 159;
l_source_job_title        jtf_rs_resource_extns.source_job_title
%type                     := 'SAL600.Sales Representative';
l_source_email            jtf_rs_resource_extns.source_email%typ
e                          := 'rabbott@visionhr.com';
l_source_phone            jtf_rs_resource_extns.source_phone%typ
e                          := '650-555-1212';
l_object_version_number   jtf_rs_resource_extns.object_version_n
umber%type;

l_return_status           varchar2(1);
l_msg_count               number;
l_msg_data                varchar2(2000);
l_msg_data1               varchar2(2000);
l_msg_index_out           number;

begin

select object_version_number
into l_object_version_number
from jtf_rs_resource_extns
where resource_id = l_resource_id;

jtf_rs_resource_pub.update_resource
(P_API_VERSION           => l_api_version,
P_RESOURCE_ID           => l_resource_id,
P_RESOURCE_NUMBER       => l_resource_number,
P_START_DATE_ACTIVE     => sysdate,
P_END_DATE_ACTIVE       => null,

```

```

P_RESOURCE_NAME           => l_resource_name,
P_MANAGING_EMP_ID        => l_managing_emp_id,
P_USER_ID                 => l_user_id,
P_TIME_ZONE               => l_time_zone,
P_COST_PER_HR             => l_cost_per_hr,
P_PRIMARY_LANGUAGE        => l_primary_language,
P_SECONDARY_LANGUAGE      => l_secondary_language,
P_SUPPORT_SITE_ID         => l_support_site_id,
P_IES_AGENT_LOGIN         => l_ies_agent_login,
P_SERVER_GROUP_ID         => l_server_group_id,
P_ASSIGNED_TO_GROUP_ID    => l_assigned_to_group_id,
P_COST_CENTER             => l_cost_center,
P_CHARGE_TO_COST_CENTER  => l_charge_to_cost_center,
P_COMP_CURRENCY_CODE      => l_comp_currency_code,
P_COMMISSIONABLE_FLAG     => l_commissionable_flag,
P_HOLD_REASON_CODE        => l_hold_reason_code,
P_HOLD_PAYMENT            => l_hold_payment,
P_COMP_SERVICE_TEAM_ID    => l_comp_service_team_id,
P_SOURCE_NAME             => l_source_name,
P_SOURCE_NUMBER           => l_source_number,
P_SOURCE_JOB_TITLE        => l_source_job_title,
P_SOURCE_EMAIL            => l_source_email,
P_SOURCE_PHONE            => l_source_phone,
P_OBJECT_VERSION_NUM      => l_object_version_number,
X_RETURN_STATUS           => l_return_status,
X_MSG_COUNT               => l_msg_count,
X_MSG_DATA                 => l_msg_data
);

if (l_return_status <> 'S') then
  if (fnd_msg_pub.count_msg > 0) then
    for i in 1..fnd_msg_pub.count_msg loop
      fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
      l_msg_data1 := l_msg_data1 || ' ' || l_msg_data;
    end loop;
    fnd_message.set_encoded(l_msg_data1);
    dbms_output.put_line(l_msg_data1);
  end if;
else
  dbms_output.put_line ('Return Status - ' || l_return_status);
end if;

end;
/

```

JTF_RS_GROUPS_PUB

The SQL scripts in this section create and update a resource group by calling the APIs contained in the JTF_RS_GROUPS_PUB package in succession and by providing them with the appropriate values.

Create_Resource_Group Sample Code

This script calls the Create_Resource_Group API and provides the values listed in the following table using the Create_Resource_Group IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Create_Resource API Sample Code Variables

Variable	Description
<code>l_api_version</code>	Version is 1.0.
<code>l_category</code>	Category is Employee.
<code>l_source_id</code>	Source ID is equal to 10001.
<code>l_resource_name</code>	Resource name is Rachel Abbott.
<code>l_managing_emp_id</code>	Her employee ID number is 1100.
<code>l_user_id</code>	User ID is 2294.
<code>l_time_zone</code>	Time zone is 92.
<code>l_cost_per_hr</code>	Her rate is \$25.00 per hour.
<code>l_primary_language</code>	The primary language is American English.
<code>l_secondary_language</code>	The secondary language is Candian French.
<code>l_support_site_id</code>	The support site ID number is 22917.
<code>l_ies_agent_login</code>	The agent login is "guest".
<code>l_server_group_id</code>	The server group ID number is 112.
<code>l_interaction_center_name</code>	The interaction center name for the group is "CCTAGENT01".
<code>l_assigned_to_group_id</code>	The assigned group ID number is 1548.
<code>l_cost_center</code>	The cost center number is OA55.
<code>l_charge_to_cost_center</code>	The charge to the cost center is 250.
<code>l_comp_currency_code</code>	The currency code is AUD.
<code>l_commissionable_flag</code>	The flag is set to "Y".
<code>l_hold_reason_code</code>	The hold reason code is HRC-1.
<code>l_hold_payment</code>	The hold payment flag is set to "N".
<code>l_comp_service_team_id</code>	The comp service team ID is 10072.

Variable	Description
<code>l_source_name</code>	The source name is Abbott, Ms. Rachel (Rachel).
<code>l_source_number</code>	The source number is 159.
<code>l_source_job_title</code>	The source title is SAL600.Sales Representative.
<code>l_source_email</code>	Her email address is rabbott@visionhr.com.
<code>l_source_phone</code>	Her phone number is 650-555-1212.

```
SET SERVEROUTPUT ON
```

```
declare
```

```

l_api_version          number
:= 1.0;
l_group_name          jtf_rs_groups_v1.group_name%type
:= 'Sales Group';
l_group_desc          jtf_rs_groups_v1.group_desc%type
:= 'Sales Group Representative';
l_exclusive_flag      jtf_rs_groups_b.exclusive_flag%type
:= 'Y';
l_email_address       jtf_rs_groups_b.email_address%type
:= 'sales_us@oracle.com';
l_start_date_active   jtf_rs_groups_b.start_date_active%type
:= sysdate;
l_end_date_active     jtf_rs_groups_b.end_date_active%type
:= null;
l_accounting_code     jtf_rs_groups_b.accounting_code%type
:= 'Payment';

l_return_status       varchar2(1);
l_msg_count           number;
l_msg_data            varchar2(2000);
l_group_id            jtf_rs_groups_b.group_id%type;
l_group_number        jtf_rs_groups_b.group_number%type;

l_msg_data1           varchar2(2000);
l_msg_index_out       number;

```

```
begin
```

```

jtf_rs_groups_pub.create_resource_group
(P_API_VERSION          => l_api_version,
P_GROUP_NAME           => l_group_name,
P_GROUP_DESC           => l_group_desc,
P_EXCLUSIVE_FLAG       => l_exclusive_flag,
P_ACCOUNTING_CODE      => l_accounting_code,
P_EMAIL_ADDRESS        => l_email_address,
P_START_DATE_ACTIVE    => l_start_date_active,
P_END_DATE_ACTIVE      => l_end_date_active,
X_RETURN_STATUS        => l_return_status,
X_MSG_COUNT            => l_msg_count,

```

```

X_MSG_DATA           => l_msg_data,
X_GROUP_ID           => l_group_id,
X_GROUP_NUMBER       => l_group_number
);

if (l_return_status <> 'S') then
  if (fnd_msg_pub.count_msg > 0) then
    for i in 1..fnd_msg_pub.count_msg loop
      fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
      l_msg_data1 := l_msg_data1 ||' '|| l_msg_data;
    end loop;
    fnd_message.set_encoded(l_msg_data1);
    dbms_output.put_line(l_msg_data1);
  end if;
else
  dbms_output.put_line ('Return Status - ' || l_return_status);
  dbms_output.put_line ('Group ID - ' || l_group_id);
  dbms_output.put_line ('Group Number - ' || l_group_number);
end if;

end;
/

```

Update_Resource_Group Sample Code

This script calls the Update_Resource_Group API and provides the values listed in the following table using the Update_Resource_Group IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Update_Resource_Group API Sample Code Variables

Variable	Description
<code>l_api_version</code>	Version is 1.0.
<code>l_group_id</code>	The group ID is 10000.
<code>l_group_desc</code>	The description of the group is Sales Group Representative.
<code>l_group_number</code>	The group number is 10005.
<code>l_group_name</code>	The group name is "Sales Group".
<code>l_group_desc</code>	The group description is Sales Group Representative.
<code>l_exclusive_flag</code>	The exclusive flag is set to "Y".
<code>l_email_address</code>	The group's email address is sales_us@oracle.com.
<code>l_start_date_active</code>	The start date is the same as the sysdate.
<code>l_end_date_active</code>	The active end date is set to null.
<code>l_accounting_code</code>	The accounting code is "Payment".

```
SET SERVEROUTPUT ON
```

```
declare
```

```
l_api_version          number
:= 1.0;
l_group_id             jtf_rs_groups_b.group_id%type
:= 10000;
l_group_number        jtf_rs_groups_b.group_number%type
:= '10005';
l_group_name          jtf_rs_groups_v1.group_name%type
:= 'Sales Group';
l_group_desc          jtf_rs_groups_v1.group_desc%type
:= 'Sales Group Representative';
l_exclusive_flag      jtf_rs_groups_b.exclusive_flag%type
:= 'Y';
l_email_address       jtf_rs_groups_b.email_address%type
:= 'sales_us@oracle.com';
l_start_date_active   jtf_rs_groups_b.start_date_active%type
:= sysdate;
l_end_date_active     jtf_rs_groups_b.end_date_active%type
:= null;
l_accounting_code     jtf_rs_groups_b.accounting_code%type
:= 'Payment';

l_object_version_number jtf_rs_groups_b.object_version_number%
type;
```

```

l_return_status          varchar2(1);
l_msg_count              number;
l_msg_data               varchar2(2000);
l_msg_data1              varchar2(2000);
l_msg_index_out          number;

begin

  select object_version_number
  into l_object_version_number
  from jtf_rs_groups_b
  where group_id = l_group_id;

  jtf_rs_groups_pub.update_resource_group
  (P_API_VERSION          => l_api_version,
  P_GROUP_ID              => l_group_id,
  P_GROUP_NUMBER          => l_group_number,
  P_GROUP_NAME            => l_group_name,
  P_GROUP_DESC            => l_group_desc,
  P_EXCLUSIVE_FLAG        => l_exclusive_flag,
  P_ACCOUNTING_CODE        => l_accounting_code,
  P_EMAIL_ADDRESS          => l_email_address,
  P_START_DATE_ACTIVE      => l_start_date_active,
  P_END_DATE_ACTIVE        => l_end_date_active,
  P_OBJECT_VERSION_NUM     => l_object_version_number,
  X_RETURN_STATUS          => l_return_status,
  X_MSG_COUNT              => l_msg_count,
  X_MSG_DATA               => l_msg_data
  );

  if (l_return_status <> 'S') then
    if (fnd_msg_pub.count_msg > 0) then
      for i in 1..fnd_msg_pub.count_msg loop
        fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
        l_msg_data1 := l_msg_data1 || ' ' || l_msg_data;
      end loop;
      fnd_message.set_encoded(l_msg_data1);
      dbms_output.put_line(l_msg_data1);
    end if;
  else
    dbms_output.put_line ('Return Status - ' || l_return_status);
  end if;

end;
/

```

JTF_RS_SALESREPS_PUB

The SQL scripts in this section create and update a sales representative by calling the APIs contained in the JTF_RS_SALESREPS_PUB package in succession and by providing them with the appropriate values.

Create_SalesRep Sample Code

This script calls the Create_SalesRep API and provides the values listed in the following table using the Create_SalesRep IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Create_SalesRep API Sample Code Variables

Variable	Description
<code>l_api_version</code>	Version is 1.0.
<code>l_resource_id</code>	The resource ID number is 10001.
<code>l_sales_credit_type_id</code>	The sales credit type ID is 5.
<code>l_name</code>	The name is set to John Doe.
<code>l_status</code>	The status is set to "A".
<code>l_start_date_active</code>	The start date is equal to the sysdate.
<code>l_end_date_active</code>	The end date is set to null.
<code>l_gl_id_rev</code>	The global ID is 17736.
<code>l_gl_id_freight</code>	The global freight ID is 17734.
<code>l_gl_id_rec</code>	The global REC ID is 17703.
<code>l_set_of_books_id</code>	The set of books ID is 23.
<code>l_salesrep_number</code>	The salesrep number is 42549.
<code>l_email_address</code>	The email address is john.doe@oracle.com
<code>l_wh_update_date</code>	Wh_update is equal to the sysdate.
<code>l_sales_tax_geocode</code>	The sales tax geocode is set to null.
<code>l_sales_tax_inside_city_limits</code>	The sales tax inside city limits is set to null.

```
SET SERVEROUTPUT ON
```

```
declare
```

```
l_api_version          number
:= 1.0;
l_salesrep_id          jtf_rs_salesreps.salesrep_id%type
:= 1000;
l_sales_credit_type_id jtf_rs_salesreps.sales_credit_type_id%type
:= 5;
l_name                 jtf_rs_salesreps.name%type
:= 'John Doe';
```

```

l_status                                jtf_rs_salesreps.status%type
                                        := 'A';
l_start_date_active                     jtf_rs_salesreps.start_date_activ
e%type                                  := sysdate;
l_end_date_active                       jtf_rs_salesreps.end_date_active%
type                                    := null;
l_gl_id_rev                             jtf_rs_salesreps.gl_id_rev%type
                                        := 17736;
l_gl_id_freight                         jtf_rs_salesreps.gl_id_freight%ty
pe                                       := 17734;
l_gl_id_rec                             jtf_rs_salesreps.gl_id_rec%type
                                        := 17703;
l_set_of_books_id                       jtf_rs_salesreps.set_of_books_id%
type                                    := 23;
l_salesrep_number                       jtf_rs_salesreps.salesrep_number%
type                                    := '42549';
l_email_address                         jtf_rs_salesreps.email_address%ty
pe                                       := 'john.doe@oracle.com';
l_wh_update_date                        jtf_rs_salesreps.wh_update_date%t
ype                                       := sysdate;
l_sales_tax_geocode                     jtf_rs_salesreps.sales_tax_geocod
e%type                                  := null;
l_sales_tax_inside_city_limits          jtf_rs_salesreps.sales_tax_inside
_city_limits%type                       := null;
l_org_id                                jtf_rs_salesreps.org_id%type
                                        := 204;

l_object_version_number                 jtf_rs_salesreps.object_version_n
umber%type;
l_return_status                         varchar2(1);
l_msg_count                             number;
l_msg_data                              varchar2(2000);
l_msg_data1                             varchar2(2000);
l_msg_index_out                         number;

begin

select object_version_number
into l_object_version_number
from jtf_rs_salesreps
where salesrep_id = l_salesrep_id;

jtf_rs_salesreps_pub.update_salesrep
(P_API_VERSION                                => l_api_version,
P_SALESREP_ID                                => l_salesrep_id,
P_SALES_CREDIT_TYPE_ID                       => l_sales_credit_type_id,
P_NAME                                        => l_name,
P_STATUS                                     => l_status,
P_START_DATE_ACTIVE                         => l_start_date_active,
P_END_DATE_ACTIVE                           => l_end_date_active,
P_GL_ID_REV                                 => l_gl_id_rev,
P_GL_ID_FREIGHT                             => l_gl_id_freight,
P_GL_ID_REC                                 => l_gl_id_rec,
P_SET_OF_BOOKS_ID                           => l_set_of_books_id,
P_SALESREP_NUMBER                           => l_salesrep_number,
P_EMAIL_ADDRESS                             => l_email_address,
P_WH_UPDATE_DATE                            => l_wh_update_date,
P_SALES_TAX_GEOCODE                         => l_sales_tax_geocode,

```

```

P_SALES_TAX_INSIDE_CITY_LIMITS      => l_sales_tax_inside_cit
y_limits,
P_ORG_ID                             => l_org_id,
P_OBJECT_VERSION_NUMBER              => l_object_version_number
,
X_RETURN_STATUS                      => l_return_status,
X_MSG_COUNT                           => l_msg_count,
X_MSG_DATA                           => l_msg_data
);

if (l_return_status <> 'S') then
  if (fnd_msg_pub.count_msg > 0) then
    for i in 1..fnd_msg_pub.count_msg loop
      fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
      l_msg_data1 := l_msg_data1 || ' ' || l_msg_data;
    end loop;
    fnd_message.set_encoded(l_msg_data1);
    dbms_output.put_line(l_msg_data1);
  end if;
else
  dbms_output.put_line ('Return Status - ' || l_return_status);
end if;

end;
/

```

Update_SalesRep Sample Code

This script calls the Update_SalesRep API and provides the values listed in the following table using the Update_SalesRep IN parameters. Calling applications can optionally insert more values than the ones listed in this section.

Update_SalesRep API Sample Code Variables

Variable	Description
<code>l_api_version</code>	Version is 1.0.
<code>l_salesrep_id</code>	The salesrep ID is 1000.
<code>l_sales_credit_type_id</code>	The sales credit type ID is 5.
<code>l_name</code>	The name is set to John Doe.
<code>l_status</code>	The status is set to "A".
<code>l_start_date_active</code>	The start date is equal to the sysdate.
<code>l_end_date_active</code>	The end date is set to null.
<code>l_gl_id_rev</code>	The global ID is 17736.
<code>l_gl_id_freight</code>	The global freight ID is 17734.
<code>l_gl_id_rec</code>	The global REC ID is 17703.
<code>l_set_of_books_id</code>	The set of books ID is 23.
<code>l_salesrep_number</code>	The salesrep number is 42549.
<code>l_email_address</code>	The email address is john.doe@oracle.com
<code>l_wh_update_date</code>	Wh_update is equal to the sysdate.
<code>l_sales_tax_geocode</code>	The sales tax geocode is set to null.
<code>l_sales_tax_inside_city_limits</code>	The sales tax inside city limits is set to null.
<code>l_org_id</code>	The org ID is set to 204.

ET SERVEROUTPUT ON

declare

```
l_api_version          number
                        := 1.0;
l_salesrep_id         jtf_rs_salesreps.salesrep_id%type
                        := 1000;
l_sales_credit_type_id jtf_rs_salesreps.sales_credit_type_id%type
                        := 5;
l_name                jtf_rs_salesreps.name%type
                        := 'John Doe';
l_status              jtf_rs_salesreps.status%type
                        := 'A';
l_start_date_active   jtf_rs_salesreps.start_date_active%type
                        := sysdate;
l_end_date_active     jtf_rs_salesreps.end_date_active%type
                        := null;
```

```

l_gl_id_rev              := 17736;          jtf_rs_salesreps.gl_id_rev%type
l_gl_id_freight         := 17734;          jtf_rs_salesreps.gl_id_freight%ty
pe
l_gl_id_rec             := 17703;          jtf_rs_salesreps.gl_id_rec%type
l_set_of_books_id      := 23;            jtf_rs_salesreps.set_of_books_id%
type
l_salesrep_number       := '42549';       jtf_rs_salesreps.salesrep_number%
type
l_email_address         := 'john.doe@oracle.com'; jtf_rs_salesreps.email_address%ty
pe
l_wh_update_date       := sysdate;        jtf_rs_salesreps.wh_update_date%t
ype
l_sales_tax_geocode     := null;          jtf_rs_salesreps.sales_tax_geocod
e%type
l_sales_tax_inside_city_limits := null;   jtf_rs_salesreps.sales_tax_inside
_city_limits%type
l_org_id                := 204;           jtf_rs_salesreps.org_id%type

l_object_version_number := 204;           jtf_rs_salesreps.object_version_n
umber%type;
l_return_status         := 0;             varchar2(1);
l_msg_count             := 0;             number;
l_msg_data              := 0;             varchar2(2000);
l_msg_data1             := 0;             varchar2(2000);
l_msg_index_out         := 0;             number;

begin

select object_version_number
into l_object_version_number
from jtf_rs_salesreps
where salesrep_id = l_salesrep_id;

jtf_rs_salesreps_pub.update_salesrep
(P_API_VERSION              => l_api_version,
P_SALESREP_ID              => l_salesrep_id,
P_SALES_CREDIT_TYPE_ID     => l_sales_credit_type_id,
P_NAME                     => l_name,
P_STATUS                   => l_status,
P_START_DATE_ACTIVE        => l_start_date_active,
P_END_DATE_ACTIVE          => l_end_date_active,
P_GL_ID_REV                => l_gl_id_rev,
P_GL_ID_FREIGHT            => l_gl_id_freight,
P_GL_ID_REC                => l_gl_id_rec,
P_SET_OF_BOOKS_ID          => l_set_of_books_id,
P_SALESREP_NUMBER          => l_salesrep_number,
P_EMAIL_ADDRESS            => l_email_address,
P_WH_UPDATE_DATE           => l_wh_update_date,
P_SALES_TAX_GEOCODE        => l_sales_tax_geocode,
P_SALES_TAX_INSIDE_CITY_LIMITS => l_sales_tax_inside_cit
y_limits,
P_ORG_ID                   => l_org_id,
P_OBJECT_VERSION_NUMBER    => l_object_version_number
,
X_RETURN_STATUS            => l_return_status,

```

```

X_MSG_COUNT          => l_msg_count,
X_MSG_DATA           => l_msg_data
);

if (l_return_status <> 'S') then
  if (fnd_msg_pub.count_msg > 0) then
    for i in 1..fnd_msg_pub.count_msg loop
      fnd_msg_pub.get
        (p_msg_index => i,
         p_data => l_msg_data,
         p_encoded => 'F',
         p_msg_index_out => l_msg_index_out
        );
      l_msg_data1 := l_msg_data1 ||' '|| l_msg_data;
    end loop;
    fnd_message.set_encoded(l_msg_data1);
    dbms_output.put_line(l_msg_data1);
  end if;
else
  dbms_output.put_line ('Return Status - ' || l_return_status);
end if;

end;
/

```

Task Manager Public APIs

Oracle Task Manager provides methods for quantifying, responding to, and managing units of work generated by E-Business Suite applications. The unit of work is defined in Task Manager in the form of a task. A given task may be defined and bound by units of time, may be assigned to one or more qualified resource, resource groups or teams, and may be tracked by the application that the work was generated from.

This chapter covers the following topics:

- Task Manager Public Packages
- Package JTF_TASKS_PUB
- Data Structure Specifications
- Create_Task
- Update_Task
- Delete_Task
- Package JTF_TASKS_ASSIGNMENTS_PUB
- Data Structure Specifications
- Create_Task_Assignment
- Update_Task_Assignment
- Delete_Task_Assignment
- Package JTF_TASK_REFERENCES_PUB
- Data Structure Specifications
- Create_References
- Update_References
- Delete_References
- Messages and Notifications
- Common Messages
- JTF_TASK_ASSIGNMENTS_PUB
- JTF_TASK_REFERENCES_PUB
- JTF_TASKS_PUB
- Sample Code

- Package JTF_TASKS_PUB
- Package JTF_TASK_ASSIGNMENTS_PUB
- Package JTF_TASK_REFERENCES_PUB

Task Manager Public Packages

All public procedures (APIs) relating to creating, updating, or deleting tasks, task references, or task assignments are stored in the following public packages:

- JTF_TASKS_PUB
- JTF_TASK_ASSIGNMENTS_PUB
- JTF_TASK_REFERENCES_PUB

The following tables describe the Task Manager public APIs.

Tasks APIs

Procedure	Description
Create_Task, page 3-12	Creates a task and provides the task with values supplied by the calling application. It also creates the dependencies, resource requirements, assignments, references, dates, recurrences, and contacts.
Update_Task, page 3-24	Updates a task with values supplied by the calling application.
Delete_Task, page 3-35	Soft deletes a task by marking the task as deleted without removing the task record from the database table in which it is stored.

Task Assignments APIs

Procedure	Description
Create_Task_Assignment, page 3-40	Creates a task assignment for a specified task. The level of effort can be specified for each resource assigned to the task.
Update_Task_Assignment, page 3-47	Updates a task assignment for a given task. For each resource assigned to the task, the actual effort can be specified.
Delete_Task_Assignment, page 3-53	Deletes a task assignment for a specified task.

Task References APIs

Procedure	Description
Create_References, page 3-57	Creates references to a task. For example, a task created for a service request can establish reference to an inventory part number using references.
Update_References, page 3-61	Updates references to a task.
Delete_References, page 3-65	Deletes references to a task.

Note:

- The following are referenced throughout the table's "Validations and Descriptions" column in all of the Task APIs.
 1. The Task APIs support calls by values not internal IDs. For example, the Account Number can be passed to the API instead of the Account ID. However, using these IDs improves the API performance.
 2. The customer account should belong to the same customer which is specified for the task.
 3. The address (*party_site_id* and *party_site_number*) specified for the task, should be the address registered for the customer in the TCA schema. The address can only be specified if the customer for the task is specified. In addition, the customer address specified for the task must be specified for the same customer at the task level.
 4. To specify the unit of measure (UOM) for the effort and duration fields, the profile *jtf_time_uom_class* must be populated with the unit of measure class. For example, the customer can create a unit of measure class called TIME. The profile must be populated with this value. Further, the customer should create unit of measure codes such as minutes, hours, and days for the Time class. While specifying values to the APIs, the customer can pass values for these unit of measure codes.
 5. Child and Parent tasks must have the same source. For example, the child task cannot have the source as Lead and the Parent task cannot have the source as Service Request.
 6. Each task must have an owner associated with it. The owner for a task can be populated with the following two fields:
 - *Owner_type_code* (for example *rs_employee*)
 - *Owner_id* (for example *resource_id* of the employee)

The *owner_type_code* is a Foreign Key to *jtf_objects_vl* for objects with a usage of "Resources." The object definition in *jtf_objects* contains all the relevant information to create a PL/SQL statement. Using this PL/SQL statement, the *owner_id* is validated.

For example, for *rs_employee*, the SELECT statement that is created at run time is:

```
SELECT resource_id, full_name from jtf_rs_emp_dtls_v1
```

Owner IDs passed to this API are validated against resources in the system.

7. Every task is associated with a source. Some examples of sources are: Service Requests, Leads, Opportunity, Campaigns, Defects, and Contracts. The source of a task drives most of the business rules for the task.

For example, Service Request #100 is the source for Task #101, Task #105, and Task #107. Therefore, the parent entity, Service Request #100, can create multiple tasks with the same source.

To create a source, the entity must be defined in `jtf_objects`. This can be accomplished by logging into **CRM Administrator Responsibility > Task and Escalation Manager > Setups > Objects Meta > Data**.

Continuing with the previous example, you will have the values of the parameters to create a task with a source of Service Request # 100.

```
p_source_object_type_code = SR
```

```
p_source_object_id = 100
```

```
p_source_object_name = A101
```

The `Source_object_type_code` is a Foreign Key to the `jtf_objects` with a usage of Task.

The `source_object_id` is the internal identifier which represents the instance of the source, in this case, service request identifier. This is generally the Primary Key of the "Source table," in this case, service request table.

The `p_source_object_name` is the external identifier which represents the instance of the source, in this case, service request number. The source object name is displayed on the user interface.

The same concept is used to established references to a task.

8. While updating or deleting any of the three public packages: tasks, task assignments, or task references, the `object_version_number` must be passed to the APIs. If the `object_version_number` that is passed into the API is the same as in the tables (tasks, assignments, and references), then the attempt is made to update or delete the record. Otherwise, an error is returned. You should get the `object_version_number` when selecting the record, then pass it to the update and delete APIs.

Package JTF_TASKS_PUB

The JTF_TASKS_PUB API contains the following APIs:

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Data Structure Specifications

The following data structures are used in the JTF_TASKS_PUB API:

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Task Assign Record Type

This composite record type enumerates task assignment details that are ultimately stored in the JTF_task_ASSIGN table.

TYPE task_assign_rec IS RECORD.

```
(
    resource_type_code           jtf_task_assignments.resource_t
    ype_code%type,

    resource_id                 jtf_task_assignments.resource_i
    d%type,

    actual_start_date           DATE := NULL,

    actual_end_date             DATE := NULL,

    actual_effort               jtf_task_assignments.actual_effort%t
    ype := NULL,

    actual_effort_uom           jtf_task_assignments.actual_effo
    rt_uom%type := NULL,

    SCHED_TRAVEL_DISTANCE       jtf_task_assignments.SCHED_TRA
    VEL_DISTANCE%type :=NULL,

    SCHED_TRAVEL_Duration       jtf_task_assignments.SCHED_TRAV
    EL_Duration%type :=NULL,
```

<code>sched_travel_duration_uom</code> <code>el_duration_uom%type :=NULL,</code>	<code>jtf_task_assignments.sched_trav</code>
<code>actual_travel_distance</code> <code>avel_distance%type :=NULL,</code>	<code>jtf_task_assignments.actual_tr</code>
<code>actual_travel_duration</code> <code>avel_duration%type :=NULL,</code>	<code>jtf_task_assignments.actual_tr</code>
<code>scheduled_travel_duration_uom</code> <code>avel_duration_uom%type :=NULL,</code>	<code>jtf_task_assignments.actual_tr</code>
<code>schedule_flag</code> <code>flag%type := NULL,</code>	<code>jtf_task_assignments.schedule_</code>
<code>alarm_type_code</code> <code>e_code%type := NULL,</code>	<code>jtf_task_assignments.alarm_typ</code>
<code>alarm_contact</code> <code>tact%type := NULL</code>	<code>jtf_task_assignments.alarm_con</code>
<code>palm_flag</code> <code>ype := NULL,</code>	<code>jtf_task_assignments.palm_flag%t</code>
<code>wince_flag</code> <code>type := NULL,</code>	<code>jtf_task_assignments.wince_flag%</code>
<code>laptop_flag</code> <code>%type := NULL,</code>	<code>jtf_task_assignments.laptop_flag</code>
<code>device1_flag</code> <code>g%type := NULL,</code>	<code>jtf_task_assignments.device1 fla</code>
<code>device2_flag</code> <code>g%type := NULL,</code>	<code>jtf_task_assignments.device2 fla</code>
<code>device3_flag</code> <code>g%type := NULL,</code>	<code>jtf_task_assignments.device3 fla</code>
<code>resource_territory_id</code> <code>rritory_id%type := NULL,</code>	<code>jtf_task_assignments.resource_te</code>
<code>assignment_status_id</code> <code>status_id%type := NULL,</code>	<code>jtf_task_assignments.assignment_</code>
<code>shift_construct_id</code> <code>ruct_id%type := NULL,</code>	<code>jtf_task_assignments.shift_const</code>
<code>show_on_calendar</code> <code>endar%type := NULL,</code>	<code>jtf_task_assignments.show_on_cal</code>

```

category_id                jtf_task_assignments.category_id
%type := NULL
);

```

Task Dependency Record Type

This composite record type enumerates the dependency information between two tasks that is ultimately stored in the JTF_TASK_DEPENDS table. When *template_flag* = 'Y', the dependency exists between the templates. When this field is not set to 'Y' the dependency exists between the tasks. The *Adjustment_time* and *adjustment_time_uom* fields indicate the lead or lag time between the two tasks.

```
TYPE task_depends_rec IS RECORD.
```

```

(

    dependent_on_task_id        number,

    dependent_on_task_number    number := null,

    dependency_type_code        varchar2(30),

    adjustment_time             number := null,

    adjustment_time_uom         varchar2(3) := null

);

```

Task Reference Record Type

This composite record type enumerates the reference details for a specific task that are ultimately stored in the JTF_TASK_REFERENCES table. The *reference_code* field retrieves the value from Lookup code stored in the jtf_task_reference_codes table.

```
TYPE task_refer_rec IS RECORD.
```

```

(

    object_type_code            varchar2(10),

    object_type_name            varchar2(80)

);

```

```

    object_name          varchar2(80),

    object_id           number,

    object_details      varchar2(2000),

    reference_code      varchar2(30),

    usage               varchar2(2000)

);

```

Task Recurrence Record Type

This composite record type enumerates recurring task information that is ultimately stored in the JTF_TASK_RECUR_REC table.

```
TYPE task_recur_rec IS RECORD.
```

```

(

    occurs_which        NUMBER :=NULL,

    day_of_week         NUMBER :=NULL,

    date_of_month       NUMBER :=NULL,

    occurs_month        NUMBER :=NULL,

    occurs_uom          VARCHAR2(3),

    occurs_every        NUMBER :=NULL,

    occurs_number       NUMBER :=NULL

    start_date_active   DATE :=NULL,

    end_date_active     DATE :=NULL
)

```



```
);
```

Task Dates Record Type

This composite record type enumerates task date values that are ultimately stored in the JTF_TASK_DATES table. The *date_type_id* field is a foreign key to the *jtf_task_date_types* table.

```
TYPE task_dates_rec IS RECORD.
```

```
(
```

```
    date_type_id          number default null,
```

```
    date_type_name       varchar2(30) default null,
```

```
    date_type            varchar2(30) default null,
```

```
    date_value           date
```

```
);
```

Task Contact Record Type

This composite record type enumerates customer contact information that is ultimately stored in the JTF_TASK_CONTACTS table.

```
TYPE task_contacts_rec IS RECORD.
```

```
(
```

```
    contact_id           number default null,
```

```
    CONTACT_TYPE_CODE    varchar2(30) default null,
```

```
    ESCALATION_NOTIFY_FLAG varchar2(1) default null,
```

```
    ESCALATION_REQUESTER_FLAG varchar2(1) default null
```

```
);
```

Task Notes Record Type

This composite record type enumerates notes information that is ultimately stored in the JTF_TASK_NOTES table.

```
TYPE task_notes_rec IS RECORD
```

```
(  
  
    parent_note_id    number ,  
  
    org_id            number ,  
  
    notes             varchar2(4000) ,  
  
    notes_detail      varchar2(32767) ,  
  
    note_status       varchar2(1) ,  
  
    entered_by        number ,  
  
    entered_date      date ,  
  
    note_type         varchar2(30) ,  
  
    jtf_note_id       number ,  
  
    attribute1        varchar2(150) ,  
  
    attribute2        varchar2(150) ,  
  
    attribute3        varchar2(150) ,  
  
    attribute4        varchar2(150) ,  
  
    attribute5        varchar2(150) ,  
  
)
```

```

attribute6      varchar2(150),

attribute7      varchar2(150),

attribute8      varchar2(150),

attribute9      varchar2(150),

attribute10     varchar2(150),

attribute11     varchar2(150),

attribute12     varchar2(150),

attribute13     varchar2(150),

attribute14     varchar2(150),

attribute15     varchar2(150),

context        varchar2(30)

);

```

Sort Record Type

This composite record type enumerates task sorting information that is ultimately stored in the SORT_REC table.

```

TYPE sort_rec is record

(

field_name      varchar2(30),

asc_dsc_flag    char(1) default 'A'

);

```

Create_Task

This procedure creates a task with the given specifications. Also, it creates the dependencies, resource requirements, assignments, references, dates, recurrences, and contacts for the task created.

Procedure Specification

```
PROCEDURE create_task
(
  p_api_version          in    number,
  p_init_msg_list        in    varchar2    default fnd_api
.g_false,
  p_commit               in    varchar2    default fnd_api
.g_false,
  p_task_id              in    number      default null,
  p_task_name            in    varchar2,
  p_task_type_name       in    varchar2    default null,
  p_task_type_id         in    number      default null,
  p_description          in    varchar2    default null,
  p_task_status_name     in    varchar2    default null,
  p_task_status_id      in    number      default null,
  p_task_priority_name   in    varchar2    default null,
  p_task_priority_id    in    number      default null,
  p_owner_type_name      in    varchar2    default null,
  p_owner_type_code      in    varchar2    default null,
  p_owner_id             in    number      default null,
  p_owner_territory_id   in    number      default null,
  p_assigned_by_name     in    varchar2    default null,
  p_assigned_by_id       in    number      default null,
  p_customer_number      in    varchar2    default null,p_c
ustomer_id              in    number      default null,
  p_cust_account_number  in    varchar2    default null,
  p_cust_account_id      in    number      default null,
  p_address_id           in    number      default null,
  p_address_number       in    varchar2    default null,
  p_planned_start_date   in    date        default null,
  p_planned_end_date     in    date        default null,
  p_scheduled_start_date in    date        default null,
  p_scheduled_end_date   in    date        default null,
  p_actual_start_date    in    date        default null,
  p_actual_end_date      in    date        default null,
  p_timezone_id          in    number      default null,
  p_timezone_name        in    varchar2    default null,
  p_source_object_type_code in    varchar2    default null,
  p_source_object_id     in    number      default null,
  p_source_object_name   in    varchar2    default null,p_d
uration                 in    number      default null,
  p_duration_uom         in    varchar2    default null,
  p_planned_effort       in    number      default null,
  p_planned_effort_uom   in    varchar2    default null,
  p_actual_effort        in    number      default null,
  p_actual_effort_uom    in    varchar2    default null,
  p_percentage_complete  in    number      default null,
  p_reason_code          in    varchar2    default null,
  p_private_flag         in    varchar2    default null,
  p_publish_flag         in    varchar2    default null,
```

```

    p_restrict_closure_flag    in          varchar2    default null,
    p_multi_booked_flag        in          varchar2    default null,
    p_milestone_flag           in          varchar2    default null,
    p_holiday_flag             in          varchar2    default null,
    p_billable_flag            in          varchar2    default null,
    p_bound_mode_code          in          varchar2    default null,
    p_soft_bound_flag          in          varchar2    default nu
11,
    p_workflow_process_id      in          number       default nu
11,
    p_notification_flag        in          varchar2    default nu
11,
    p_notification_period      in          number       default nu
11,
    p_notification_period_uom  in          varchar2    default nu
11,
    p_parent_task_number       in          varchar2    default nu
11,
    p_parent_task_id           in          number       default nu
11,
    p_alarm_start              in          number       default nu
11,
    p_alarm_start_uom          in          varchar2    default nu
11,
    p_alarm_on                  in          varchar2    default nu
11,
    p_alarm_count              in          number       default nu
11,
    p_alarm_interval           in          number       default nu
11,
    p_alarm_interval_uom       in          varchar2    default nu
11,
    p_palm_flag                 in          varchar2    default nu
11,
    p_wince_flag               in          varchar2    default nu
11,
    p_laptop_flag              in          varchar2    default nu
11,
    p_device1_flag             in          varchar2    default nu
11,
    p_device2_flag             in          varchar2    default nu
11,
    p_device3_flag             in          varchar2    default nu
11,
    p_costs                    in          number       default nu
11, p_currency_code          in          varchar2    default n
ull,
    p_escalation_level         in          varchar2    default nu
11,
    p_task_assign_tbl          in          task_assign_tbl default g_
miss_task_assign_tbl,
    p_task_depends_tbl         in          task_depends_tbl default g
_miss_task_depends_tbl,
    p_task_rsrc_req_tbl        in          task_rsrc_req_tbl default
g_miss_task_rsrc_req_tbl,
    p_task_refer_tbl           in          task_refer_tbl  default g_
miss_task_refer_tbl,
    p_task_dates_tbl          in          task_dates_tbl  default g_

```

```

miss_task_dates_tbl,
  p_task_notes_tbl          in          task_notes_tbl    default g_
miss_task_notes_tbl,
  p_task_recur_rec          in          task_recur_rec     default g_
miss_task_recur_rec,
  p_task_contacts_tbl      in          task_contacts_tbl  default g
_miss_task_contacts_tbl,
  x_return_status          out          varchar2,
  x_msg_count              out          number,
  x_msg_data               out          varchar2,
  x_task_id                out          number,
  p_attribute1             in          varchar2           default n
ull,
  p_attribute2             in          varchar2           default n
ull,
  p_attribute3             in          varchar2           default n
ull,
  p_attribute4             in          varchar2           default n
ull,
  p_attribute5             in          varchar2           default n
ull,
  p_attribute6             in          varchar2           default n
ull,
  p_attribute7             in          varchar2           default n
ull,
  p_attribute8             in          varchar2           default n
ull,
  p_attribute9             in          varchar2           default n
ull,
  p_attribute10            in          varchar2           default n
ull,
  p_attribute11            in          varchar2           default n
ull,
  p_attribute12            in          varchar2           default n
ull,
  p_attribute13            in          varchar2           default n
ull,
  p_attribute14            in          varchar2           default n
ull,
  p_attribute15            in          varchar2           default n
ull,
  p_attribute_category     in          varchar2           default n
ull,
  p_date_selected          in          varchar2           default n
ull,
  p_category_id            in          number             default n
ull,
  p_show_on_calendar       in          varchar2           default n
ull,
  p_owner_status_id        in          number             default n
ull,
  p_template_id            in          number             default n
ull,
  p_template_group_id      in          number             default n
ull,
  p_enable_workflow        in          varchar2,
  p_abort_workflow         in          varchar2
);

```

Current Version

1.0

Parameter Descriptions

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

Create_Task IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_task_id	NUMBER	No	Unique task identifier (Primary Key). If <i>task_id</i> is not specified, then the <i>task_id</i> is automatically generated and passed as an out parameter <i>x_task_id</i> .
p_task_name	VARCHAR2	Yes	This defines the task name.
p_task_type_name	VARCHAR2	Yes	This defines the task type name.
p_task_type_id	NUMBER	Yes	This is the task type identifier.
p_description	VARCHAR2	No	This is the description of the task.
p_task_status_name	VARCHAR2	No	This defines the task status name.

Parameter	Data Type	Required	Descriptions and Validations
p_task_status_id	NUMBER	No	Unique task status identifier
p_task_priority_name	VARCHAR2	No	Currently not supported
p_task_priority_id	NUMBER	No	This defines the task priority (Foreign Key to jtf_task_priorities).
p_owner_type_code	VARCHAR2	Yes	Owner type of the task (Foreign Key to jtf_objects_vl for an object with a usage of "Resources").
p_owner_id	NUMBER	Yes	Owner of the task (resource ID of the task owner. Foreign key to jtf_rs_resource_extns_vl, jtf_rs_groups_vl, jtf_rs_teams_vl depending on the value of <i>owner_type_code</i>).
p_owner_territory_id	NUMBER	No	Territory of the owner. Currently not supported
p_assigned_by_name	VARCHAR2	No	Currently not supported
p_assigned_by_id	NUMBER	No	This is the user who assigned the task, (Foreign Key to fnd_user).
p_customer_number	VARCHAR2	No	Customer number (Foreign Key to hz_parties.party_number).
p_customer_id	NUMBER	No	This is the customer identifier (Foreign Key to hz_parties.party_id).
p_cust_account_number	VARCHAR2	No	Customer account number (Foreign Key to hz_cust_accounts.cust_account_number).

Parameter	Data Type	Required	Descriptions and Validations
p_cust_account_id	NUMBER	No	Customer account identifier (Foreign Key to <i>hz_cust_accounts.cust_account_id</i>). The customer account should belong to the same customer which is specified for the task.
p_address_id	NUMBER	No	This is the address identifier (Foreign Key to <i>hz_party_sites.party_site_id</i>). See Note: 3, page 3-3.
p_address_number	VARCHAR2	No	Address number (Foreign Key to <i>hz_party_sites.party_site_number</i>). See Note: 3, page 3-3.
p_planned_start_date	DATE	No	This defines the Planned Start Date.
p_planned_end_date	DATE	No	This defines the Planned End Date.
p_scheduled_start_date	DATE	No	This defines the Scheduled Start Date.
p_scheduled_end_date	DATE	No	This defines the Scheduled End Date.
p_actual_start_date	DATE	No	This defines the Actual Start Date.
p_actual_end_date	DATE	No	This defines the Actual End Date.
p_timezone_id	NUMBER	No	This is the time zone identifier (timezone for the planned, scheduled, and actual dates.) Foreign Key to <i>hz_timezones.timezone_id</i> .
p_timezone_name	VARCHAR2	No	Currently not supported.

Parameter	Data Type	Required	Descriptions and Validations
p_source_object_type_code	VARCHAR2	No	The Source object code for the task. (Foreign Key to jtf_objects_vl for objects with a usage of "Task").
p_source_object_id	NUMBER	No	This is the internal ID of source object. Validated from the table registered in jtf_objects_vl for the <i>object_type_code</i> .
p_source_object_name	VARCHAR2	No	This is the user-visible source object identifier. Validated from the table registered in Jtf_objects_vl for the <i>object_type_code</i> .
p_duration	NUMBER	No	This defines the duration of task.
p_duration_uom	VARCHAR2	No	This defines the unit of measure for duration. See Note: 5, page 3-3.
p_planned_effort	NUMBER	No	This defines the planned effort.
p_planned_effort_uom	VARCHAR2	No	This defines the unit of measure for planned effort.
p_actual_effort	NUMBER	No	This defines the actual amount of effort spent on a task by all assignees.
p_actual_effort_uom	VARCHAR2	No	This defines the unit of measure for actual work. See Note: 5, page 3-3.
p_percentage_complete	NUMBER	No	This defines the percentage of completion of the task.
p_reason_code	VARCHAR2	No	Reason for rejecting a task, reassigning a task, etc.

Parameter	Data Type	Required	Descriptions and Validations
p_private_flag	VARCHAR2	No	Indicates whether the task is private or public. Checks if the value is Y or N.
p_publish_flag	VARCHAR2	No	Indicates whether the task should be published. Checks if the value is Y or N.
p_restrict_closure_flag	VARCHAR2	No	Indicates whether completing the task is necessary for the source object to be deemed complete. Checks if the value is Y or N.
p_multi_booked_flag	VARCHAR2	No	Indicates whether the task can book resources that are already assigned to other tasks. Checks if the value is Y or N.
p_milestone_flag	VARCHAR2	No	Indicates whether the task is a milestone delivery date. Checks if the value is Y or N.
p_holiday_flag	VARCHAR2	No	Indicates whether the task can be performed on holidays. Checks if the value is Y or N.
p_billable_flag	VARCHAR2	No	Indicates whether the task is billable. Checks if the value is Y or N.
p_bound_mode_code	VARCHAR2	No	For internal use only
p_soft_bound_flag	VARCHAR2	No	For internal use only
p_workflow_process_id	NUMBER	No	Identifier of last workflow process launched for this task.
p_notification_flag	VARCHAR2	No	Flag indicating whether notification workflow will be automatically launched.

Parameter	Data Type	Required	Descriptions and Validations
p_notification_period	NUMBER	No	Time before the scheduled start date that a notification is sent to the assignees.
p_notification_period_uom	VARCHAR2	No	This is the unit of measure for the notification period.
p_parent_task_number	VARCHAR2	No	The Task number of the parent task.
p_parent_task_id	NUMBER	No	The Task identifier of the parent task.
p_alarm_start	NUMBER	No	Indicates when the first alarm should be fired. This parameter is currently not supported.
p_alarm_start_uom	VARCHAR2	No	Unit of measure for <i>alarm_start</i> . This parameter is currently not supported.
p_alarm_on	VARCHAR2	No	Indicates whether the alarm is on. This parameter is currently not supported.
p_alarm_count	NUMBER	No	Total number of alarms to fire. This parameter is currently not supported.
p_alarm_interval	NUMBER	No	Alarm interval. This parameter is currently not supported.
p_alarm_interval_uom	VARCHAR2	No	Unit of measure for alarm interval. This parameter is currently not supported.
p_palm_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_wince_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_laptop_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.

Parameter	Data Type	Required	Descriptions and Validations
p_device1_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_device2_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_device3_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_costs	NUMBER	No	For internal use only
p_currency_code	VARCHAR2	No	For internal use only
p_escalation_level	VARCHAR2	No	Escalation level. This parameter is not used for the Task Module
p_task_assign_tbl	TASK_ASSIGN_TBL	No	Table of PL/SQL records to specify the assignment specifications of the task.
p_task_depends_tbl	TASK_DEPENDS_TBL	No	Table of PL/SQL records to specify the task dependencies.
p_task_rsrc_req_tbl	TASK_RSRC_REQ_TBL	No	Table of PL/SQL records to specify the resource requirements. This is not supported.
p_task_refer_tbl	TASK_REFER_TBL	No	Table of PL/SQL records to specify the task references.
p_task_dates_tbl	TASK_DATES_TBL	No	Table of PL/SQL records to specify the task dates. Currently not supported.
p_task_notes_tbl	TASK_NOTES_TBL	No	Table of PL/SQL records to specify the notes.
p_task_recur_rec	TASK_RECUR_REC	No	Table of PL/SQL records to specify the task recurrences.
p_task_contacts_tbl	TASK_CONTACTS_TBL	No	Table of PL/SQL records to specify the task contacts.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column

Parameter	Data Type	Required	Descriptions and Validations
p_date_selected	VARCHAR2	No	This date is copied from the Task profile option and copied to the Calendar Start date. Valid values include Planned, Scheduled, or Actual.
p_category_id	NUMBER	No	This defines the task category ID.
p_show_on_calendar	VARCHAR2	No	Displays Tasks on the HTML Calendar. Checks if the Value is Y or N.
p_owner_status_id	NUMBER	Yes	The status of the task level.
p_template_id	NUMBER	No	Identifier for when you are creating a task from a template.
p_template_group_id	NUMBER	No	Identifier for when you are creating a task from a template group.
p_enable_workflow	VARCHAR2	Yes	Determines whether or not to send automatic notifications from the application. Checks if the value is Y or N.
p_abort_workflow	VARCHAR2	Yes	Determines whether or not to abort the previous Workflow process before starting the next one. Checks if the value is Y or N.

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

OUT NOCOPY Parameters As per new PL/SQL standards, all OUT and IN OUT calls should use NOCOPY hint to enable pass by reference rather than pass by value for performance reasons. This includes the scalar data types too. This applies to both the specification and the body.

Note: NOCOPY hint will be ignored if it is specified only in one place (either at spec or at body). It will be honoured only if it exists on both places. Following are the samples of some violations.

```

procedure check_user(
  p_flexcode IN OUT VARCHAR2,
  p_flexdesc OUT VARCHAR2)

procedure account_misc (
  p6_a0 out JTF_NUMBER_TABLE
  ...)

```

Create_Task Out NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_task_id	NUMBER	This is the task identifier.

Update_Task

This procedure updates a task with the given specifications. While calling the Update_Task API, *task_id* and *task_number* should be input to the API. The *task_id* or the *task_number* must be specified to indicate the task that is being updated.

Procedure Specification

```

PROCEDURE update_task
(
  p_api_version          in      number
  p_init_msg_list        in      varchar2      default fnd_a
  pi.g_false,
  p_commit              in      varchar2      default fnd_a
  pi.g_false,
  p_object_version_number in out  number,
  p_task_id             in      number        default fnd_a
  pi.g_miss_num,
  p_task_number         in      varchar2      default fnd_api.
  g_miss_char,
  p_task_name           in      varchar2      default fnd_api.
  g_miss_char,
  p_task_type_name      in      varchar2      default fnd_api.
  g_miss_char,
  p_task_type_id        in      number        default fnd_api.
  g_miss_num,
  p_description         in      varchar2      default fnd_api.
  g_miss_char,
  p_task_status_name    in      varchar2      default fnd_api.
  g_miss_char,
  p_task_status_id      in      number        default fnd_api.
  g_miss_num,

```


<i>p_task_priority_name</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_task_priority_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_owner_type_name</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_owner_type_code</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_owner_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_owner_territory_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_assigned_by_name</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_assigned_by_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_customer_number</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_customer_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_cust_account_number</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_cust_account_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_address_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_address_number</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_planned_start_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_planned_end_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_scheduled_start_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_scheduled_end_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_actual_start_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_actual_end_date</i>	<i>in</i>	<i>date</i>	<i>default fnd_api.</i>
<i>g_miss_date,</i>			
<i>p_timezone_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_timezone_name</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_source_object_type_code</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_source_object_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_source_object_name</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_duration</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_duration_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_planned_effort</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_planned_effort_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			

<i>p_actual_effort</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_actual_effort_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_percentage_complete</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_reason_code</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_private_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_publish_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_restrict_closure_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_multi_booked_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_milestone_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_holiday_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_billable_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_bound_mode_code</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_soft_bound_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_workflow_process_id</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_notification_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_notification_period</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_notification_period_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_alarm_start</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_alarm_start_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_alarm_on</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_alarm_count</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_alarm_fired_count</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_alarm_interval</i>	<i>in</i>	<i>number</i>	<i>default fnd_api.</i>
<i>g_miss_num,</i>			
<i>p_alarm_interval_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_palm_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_wince_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_laptop_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_device1_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			
<i>p_device2_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default fnd_api.</i>
<i>g_miss_char,</i>			

```

        p_device3_flag          in          varchar2      default fnd_api.
g_miss_char,
        p_costs                 in          number         default fnd_api.
g_miss_num,
        p_currency_code        in          varchar2      default fnd_api.
g_miss_char,
        p_escalation_level     in          varchar2      default fnd_api.
g_miss_char,
        x_return_status        out          varchar2,
        x_msg_count            out          number,
        x_msg_data             out          varchar2,
        p_attribute1           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute2           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute3           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute4           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute5           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute6           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute7           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute8           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute9           in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute10          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute11          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute12          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute13          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute14          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute15          in          varchar2      default jtf_task
_utl.g_miss_char,
        p_attribute_category   in          varchar2      default jtf_task
_utl.g_miss_char
        p_date_selected        in          varchar2      default jtf_task
_utl.g_miss_char,
        p_category_id          in          number         default jtf_task
_utl.g_miss_number,
        p_show_on_calendar     in          varchar2      default jtf_task_utl
.g_miss_char,
        p_owner_status_id      in          number         default jtf_task_utl.g
_miss_number,
        p_parent_task_id       in          number         default jtf_task_utl.g
_miss_number,
        p_parent_task_number   in          varchar2      default jtf_task_utl.g
_miss_char
        P_enable_workflow      in          varchar2
        P_abort_workflow       in          varchar2
);

```

Current Version

1.0

Parameter Descriptions

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

Update_Task IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	Yes	This parameter is for internal use only. Do not modify in any way.
p_task_id	NUMBER	No	This is the unique task identifier (Primary Key). If <i>task_id</i> is not specified, then the <i>task_id</i> is automatically generated and passed as an OUT parameter <i>x_task_id</i> .
p_task_number	VARCHAR2	No	This defines the task number.
p_task_name	VARCHAR2	Yes	This defines the task name.
p_task_type_name	VARCHAR2	No	This defines the task type name.

Parameter	Data Type	Required	Descriptions and Validations
p_task_type_id	NUMBER	Yes	This defines the task type identifier.
p_description	VARCHAR2	No	This is the description of the task.
p_task_status_name	VARCHAR2	No	This is the task status name.
p_task_status_id	NUMBER	No	This is the unique task status identifier.
p_task_priority_name	VARCHAR2	No	Currently not supported.
p_task_priority_id	NUMBER	No	Task priority (Foreign Key to jtf_task_priorities).
p_owner_type_name	VARCHAR2	No	Currently not supported.
p_owner_type_code	VARCHAR2	Yes	Owner type of the task (Foreign Key to jtf_objects_vl for an object with a usage of "Resources").
p_owner_id	NUMBER	Yes	Owner of the task (resource ID of the task owner. Foreign Key to jtf_rs_resource_extns_vl, jtf_rs_groups_vl, jtf_rs_teams_vl depending on the value of <i>owner_type_code</i>).
p_owner_territory_id	NUMBER	No	Territory identifier of the owner.
p_assigned_by_name	VARCHAR2	No	Currently not supported.
p_assigned_by_id	NUMBER	No	User who assigned the task, (Foreign Key to fnd_user).
p_customer_number	VARCHAR2	No	Customer number (Foreign Key to hz_parties.party_number).
p_customer_id	NUMBER	No	Customer identifier (Foreign Key to hz_parties.party_id).

Parameter	Data Type	Required	Descriptions and Validations
p_cust_account_number	VARCHAR2	No	Customer account number (Foreign Key to <i>hz_cust_accounts.cust_account_number</i>).
p_cust_account_id	NUMBER	No	Customer account identifier (Foreign Key to <i>hz_cust_accounts.cust_account_id</i>). The customer account should belong to the same customer who is specified for the task.
p_address_id	NUMBER	No	This is the address identifier.
p_address_number	VARCHAR2	No	Address number (Foreign key to <i>hz_party_sites.party_site_number</i>). See Note: 3, page 3-3.
p_planned_start_date	DATE	No	This defines the Planned start date.
p_planned_end_date	DATE	No	This defines the Planned end date.
p_scheduled_start_date	DATE	No	This defines the Scheduled start date.
p_scheduled_end_date	DATE	No	This defines the Scheduled end date.
p_actual_start_date	DATE	No	This defines the Actual start date.
p_actual_end_date	DATE	No	This defines the Actual end date.
p_timezone_id	NUMBER	No	Time zone identifier (timezone for the planned, scheduled, and actual dates.) Foreign Key to <i>hz_timezones.timezone_id</i> .
p_timezone_name	VARCHAR2	No	Currently not supported.
p_source_object_type_code	VARCHAR2	No	Only supported in Create Tasks.

Parameter	Data Type	Required	Descriptions and Validations
p_source_object_id	NUMBER	No	Only supported in Create Tasks.
p_source_object_name	VARCHAR2	No	Only supported in Create Tasks.
p_duration	NUMBER	No	The duration of task.
p_duration_uom	VARCHAR2	No	Unit of measure for duration. See Note: 5, page 3-3.
p_planned_effort	NUMBER	No	This defines the planned effort.
p_planned_effort_uom	VARCHAR2	No	The unit of measure for planned effort.
p_actual_effort	NUMBER	No	Actual amount of effort spent on a task by all assignees.
p_actual_effort_uom	VARCHAR2	No	Unit of measure for actual work. See Note: 5, page 3-3.
p_percentage_complete	NUMBER	No	Percentage completion of task.
p_reason_code	VARCHAR2	No	Reason for rejecting a task, reassigning a task, etc.
p_private_flag	VARCHAR2	No	Indicates whether the task is private or public. Checks if the value is Y or N.
p_publish_flag	VARCHAR2	No	Indicates whether the task should be published. Checks if the value is Y or N.
p_restrict_closure_flag	VARCHAR2	No	Indicates whether completing the task is necessary for the source object to be deemed complete. Checks if the value is Y or N.

Parameter	Data Type	Required	Descriptions and Validations
p_multi_booked_flag	VARCHAR2	No	Indicates whether the task can book resources that are already assigned to other tasks. Checks if the value is Y or N.
p_milestone_flag	VARCHAR2	No	Indicates whether the task is a milestone delivery date. Checks if the value is Y or N.
p_holiday_flag	VARCHAR2	No	Indicates whether the task can be performed on holidays. Checks if the value is Y or N.
p_billable_flag	VARCHAR2	No	Indicates whether the task is billable. Checks if the value is Y or N.
p_bound_mode_code	VARCHAR2	No	For internal use only.
p_soft_bound_flag	VARCHAR2	No	For internal use only.
p_workflow_process_id	NUMBER	No	Identifier of last workflow process launched for this task.
p_notification_flag	VARCHAR2	No	Flag indicating whether notification workflow will be automatically launched.
p_notification_period	NUMBER	No	Time before the scheduled start date that a notification is sent to the assignees.
p_notification_period_uom	VARCHAR2	No	Unit of measure for notification period.
p_alarm_start	NUMBER	No	Indicates when the first alarm should be fired. This parameter is currently not supported.
p_alarm_start_uom	VARCHAR2	No	The unit of measure for <i>alarm_start</i> . This parameter is currently not supported.

Parameter	Data Type	Required	Descriptions and Validations
p_alarm_on	VARCHAR2	No	Indicates whether the alarm is on. This parameter is currently not supported.
p_alarm_count	NUMBER	No	Total number of alarms to fire. This parameter is currently not supported.
p_alarm_fired_count	NUMBER	No	Number of times the alarm has been fired.
p_alarm_interval	NUMBER	No	Alarm interval. This parameter is currently not supported.
p_alarm_interval_uom	VARCHAR2	No	Unit of measure for alarm interval. This parameter is currently not supported.
p_palm_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_wince_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_laptop_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_device1_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_device2_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_device3_flag	VARCHAR2	No	Used by mobile devices. Checks if the value is Y or N.
p_costs	NUMBER	No	For internal use only.
p_currency_code	VARCHAR2	No	For internal use only.
p_escalation_level	VARCHAR2	No	Escalation level. This parameter is not used for the Task Module.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column.

Parameter	Data Type	Required	Descriptions and Validations
p_date_selected	VARCHAR2	No	This date is copied from the task profile option and copied to the Calendar Start date. Valid values include Planned, Scheduled, or Actual.
p_category_id	NUMBER	No	Task Category ID
p_show_on_calendar	VARCHAR2	No	Displays Tasks on the HTML Calendar. Checks if the Value is Y or N.
p_owner_status_id	NUMBER	Yes	The status of the task level.
p_parent_task_id	NUMBER	No	Identifier for the parent task.
p_parent_task_number	VARCHAR2	No	The parent task number.

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

Update_Task OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Delete_Task

This procedure soft deletes a task with the given specifications. It marks the task as deleted but does not physically remove the record from the table. If the task is recurring, then all the future tasks can be deleted by setting the value of the parameter *p_delete_future_reurrences* to *fnl_api.g_true*.

Procedure Specification

```
PROCEDURE delete_task
(
```

```

    p_api_version          in    number,
    p_init_msg_list        in    varchar2 default fnd_api.g_f
else,
    p_commit               in    varchar2 default fnd_api.g_f
else,
    p_object_version_number in    number,
    p_task_id              in    number  default null,
    p_task_number          in    varchar2 default null,
    p_delete_future_recurrences in  varchar2 default fnd_api.g_f
else,
    x_return_status        out   varchar2,
    x_msg_count            out   number,
    x_msg_data             out   varchar2
    P_enable_workflow      in    varchar2
    P_abort_workflow       in    varchar2
);

```

Current Version

1.0

Parameter Descriptions

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

Delete_Task IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	No	This parameter is for internal use only. Do not modify in any way.
p_task_id	NUMBER	No	Unique task identifier (Primary Key). If <i>task_id</i> is not specified, then the <i>task_id</i> is automatically generated and passed as an out parameter <i>x_task_id</i> .
p_task_number	VARCHAR2	No	This defines the task number.
p_delete_future_reurrences	VARCHAR2	No	Used for recurring tasks. If the value of the parameter is set to: <i>find_api.g_true</i> , then all the future recurring tasks are deleted.

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

Delete_Task OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Package JTF_TASKS_ASSIGNMENTS_PUB

The Task Assignment APIs contains the following APIs:

- Create_Task_Assignment, page 3-40
- Update_Task_Assignment, page 3-47
- Delete_Task_Assignment, page 3-53

Data Structure Specifications

The following data structure is used in the JTF_TASKS_ASSIGNMENTS_PUB API.

Task Assignments Record Type

The JTF_task_ASSIGNMENTS_REC creates the assignment details for a given task.

```
TYPE task_assignments_rec IS RECORD (  
  
    task_assignment_id          NUMBER,  
  
    object_version_number      NUMBER,  
  
    task_id                    NUMBER,  
  
    resource_type_code         VARCHAR2(30),  
  
    resource_id                NUMBER,  
  
    assignment_status_id       NUMBER,  
  
    actual_effort               NUMBER,  
  
    resource_territory_id      NUMBER,  
  
    actual_effort_uom          VARCHAR2(3),  
  
    schedule_flag              VARCHAR2(1),  
  
    alarm_type_code            VARCHAR2(30),  
  
    alarm_contact              VARCHAR2(200),
```

<i>shift_construct_id</i>	<i>NUMBER,</i>
<i>sched_travel_distance</i>	<i>NUMBER,</i>
<i>sched_travel_duration</i>	<i>NUMBER,</i>
<i>sched_travel_duration_uom</i>	<i>VARCHAR2(3),</i>
<i>actual_travel_distance</i>	<i>NUMBER,</i>
<i>actual_travel_duration</i>	<i>NUMBER,</i>
<i>actual_travel_duration_uom</i>	<i>VARCHAR2(3),</i>
<i>actual_start_date</i>	<i>DATE,</i>
<i>actual_end_date</i>	<i>DATE,</i>
<i>palm_flag</i>	<i>VARCHAR2(1),</i>
<i>wince_flag</i>	<i>VARCHAR2(1),</i>
<i>laptop_flag</i>	<i>VARCHAR2(1),</i>
<i>device1_flag</i>	<i>VARCHAR2(1),</i>
<i>device2_flag</i>	<i>VARCHAR2(1),</i>
<i>device3_flag</i>	<i>VARCHAR2(1),</i>
<i>attribute1</i>	<i>VARCHAR2(150),</i>
<i>attribute2</i>	<i>VARCHAR2(150),</i>
<i>attribute3</i>	<i>VARCHAR2(150),</i>
<i>attribute4</i>	<i>VARCHAR2(150),</i>
<i>attribute5</i>	<i>VARCHAR2(150),</i>
<i>attribute6</i>	<i>VARCHAR2(150),</i>
<i>attribute7</i>	<i>VARCHAR2(150),</i>
<i>attribute8</i>	<i>VARCHAR2(150),</i>
<i>attribute9</i>	<i>VARCHAR2(150),</i>
<i>attribute10</i>	<i>VARCHAR2(150),</i>
<i>attribute11</i>	<i>VARCHAR2(150),</i>
<i>attribute12</i>	<i>VARCHAR2(150),</i>
<i>attribute13</i>	<i>VARCHAR2(150),</i>
<i>attribute14</i>	<i>VARCHAR2(150),</i>

```

        attribute15                VARCHAR2(150),
        attribute_category         VARCHAR2(30),
        SHOW_ON_CALENDAR           VARCHAR2(1),
        CATEGORY_ID                NUMBER
    );

```

Create_Task_Assignment

This procedure creates a task assignment for a given task with the following specifications. Each task has a single owner, however, the task can have multiple assignees. For each resource assigned to the task, the actual effort can be specified. The task identifier **or** the task number for which the assignments are being created must be specified.

```

PROCEDURE create_task_assignment
(
    p_api_version                in    number,

    p_init_msg_list              in    varchar2    default fnd_api.g_fa
lse,

    p_commit                     in    varchar2    default fnd_api.g_fa
lse,

    p_task_assignment_id         in    number      default null,
    p_task_id                    in    number      default null,
    p_task_number                in    varchar2    default null,
    p_task_name                  in    varchar2,    default null,
    p_resource_type_code         in    varchar2,
    p_resource_id                in    number,
    p_resource_name              in    varchar2    default null,
    p_actual_effort              in    number      default null,
    p_actual_effort_uom          in    varchar2    default null,
    p_schedule_flag              in    varchar2    default null,
    p_alarm_type_code            in    varchar2    default null,
    p_alarm_contact               in    varchar2    default null,
    p_sched_travel_distance       in    number      default null,

```


<i>p_sched_travel_duration</i>	<i>in</i>	<i>number</i>	<i>default null,</i>
<i>p_sched_travel_duration_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_actual_travel_distance</i>	<i>in</i>	<i>number</i>	<i>default null,</i>
<i>p_actual_travel_duration</i>	<i>in</i>	<i>number</i>	<i>default null,</i>
<i>p_actual_travel_duration_uom</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_actual_start_date</i>	<i>in</i>	<i>date</i>	<i>default null,</i>
<i>p_actual_end_date</i>	<i>in</i>	<i>date</i>	<i>default null,</i>
<i>p_palm_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_wince_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_laptop_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_device1_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_device2_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_device3_flag</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_resource_territory_id</i>	<i>in</i>	<i>number,</i>	<i>default null,</i>
<i>p_assignment_status_id</i>	<i>in</i>	<i>number,</i>	
<i>p_shift_construct_id</i>	<i>in</i>	<i>number</i>	<i>default null,</i>
<i>x_return_status</i>	<i>out</i>	<i>varchar2,</i>	
<i>x_msg_count</i>	<i>out</i>	<i>number,</i>	
<i>x_msg_data</i>	<i>out</i>	<i>varchar2,</i>	
<i>x_task_assignment_id</i>	<i>out</i>	<i>number,</i>	
<i>p_attribute1</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute2</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute3</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute4</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute5</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute6</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute7</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute8</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>
<i>p_attribute9</i>	<i>in</i>	<i>varchar2</i>	<i>default null,</i>

```

    p_attribute10          in  varchar2      default null,
    p_attribute11          in  varchar2      default null,
    p_attribute12          in  varchar2      default null,
    p_attribute13          in  varchar2      default null,
    p_attribute14          in  varchar2      default null,
    p_attribute15          in  varchar2      default null,
    p_attribute_category   in  varchar2      default null
    p_show_on_calendar     in  varchar2      default jtf_task_utl.g_y
es_char,
    p_category_id          in  number          default null,
    p_enable_workflow      in  varchar2,
    p_abort_workflow       in  varchar2
);

```

Current Version

1.0

Parameter Descriptions

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

Create_Task_Assignment IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Parameter	Data Type	Required	Descriptions and Validations
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_task_assignment_id	NUMBER	Yes	For internal use only.
p_task_id	NUMBER	Yes	This is the unique task identifier (Primary Key).
p_task_number	VARCHAR2	No	This defines the task number. See Note: 1, page 3-3.
p_task_name	VARCHAR2	No	This defines the task name.
p_resource_type_code	VARCHAR2	Yes	Assignee type of the task. (Foreign Key to jtf_objects_vl for a object with a usage of "Resources").
p_resource_id	NUMBER	Yes	Assignee of the task. Resource identifier of the task owner. (Foreign Key to jtf_rs_resource_extns_vl, jtf_rs_groups_vl, jtf_rs_teams_vl depending on the value of <i>resource_type_code</i>).
p_resource_name	VARCHAR2	No	This defines the resource name. Not supported.
p_actual_effort	NUMBER	No	Actual amount of effort spent on a task by the assignees.
p_actual_effort_uom	VARCHAR2	No	Unit of measure for actual work. See Note: 5, page 3-3.

Parameter	Data Type	Required	Descriptions and Validations
p_schedule_flag	VARCHAR2	No	Indicates whether the resource should be scheduled by the Scheduler. The value must be Y, N, or NULL.
p_alarm_type_code	VARCHAR2	No	A lookup code that indicates how alarms should be sent to the resource. For example, e-mail, pager, phone. Not supported.
p_alarm_contact	VARCHAR2	No	Contact information for sending alarms. This field may store e-mail address, pager number, or phone number. Not supported.
p_sched_travel_distance	NUMBER	No	Scheduled travel distance. Not supported.
p_sched_travel_duration	NUMBER	No	Scheduled travel duration. Not supported.
p_sched_travel_duration_uom	VARCHAR2	No	Unit of measure for scheduled travel duration. Not supported.
p_actual_travel_distance	NUMBER	No	Actual travel duration. Not supported.
p_actual_travel_duration	NUMBER	No	Actual travel duration. Not supported.
p_actual_travel_duration_uom	VARCHAR2	No	Unit of measure for actual travel duration. Not supported.
p_actual_start_date	DATE	No	This defines the actual start date.
p_actual_end_date	DATE	No	This defines the actual end date.

Parameter	Data Type	Required	Descriptions and Validations
p_palm_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_wince_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_laptop_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_device1_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_device2_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_device3_flag	VARCHAR2	No	Used by mobile devices. Not supported.
p_resource_territory_id	NUMBER	No	Currently not supported.
p_assignment_status_id	NUMBER	No	Status identifier of the assignee. (Foreign Key to jtf_task_statuses_vl).
p_shift_construct_id	NUMBER	No	Shift construct identifier for the assignment.
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column.
p_show_on_calendar	VARCHAR2	No	Displays Tasks on the HTML Calendar. Checks if the Value is Y or N.
p_category_id	NUMBER	No	This defines the task category ID.
p_enable_workflow	VARCHAR2	No	Determines whether or not to send automatic notifications from the application. Checks if the value is Y or N.
p_abort_workflow	VARCHAR2	No	Determines whether or not to abort the previous Workflow process before starting the next one. Checks if the value is Y or N.

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

Create_Task_Assignment OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_task_assignment_id	NUMBER	This is the unique task assignment identifier.

Update_Task_Assignment

This procedure updates a task assignment for a given task. The *resource_type_code* parameter indicates the type of resource. *Resource_id* indicates an actual identifier. For each resource assigned to the task, the actual effort can be specified. The task assignment identifier must be specified.

Procedure Specification

```
PROCEDURE update_task_assignment
(
  p_api_version                in      number,
  p_object_version_number     in out  number,
  p_init_msg_list              in      varchar2 default fnd
_api.g_false,
  p_commit                     in      varchar2 default fnd
_api.g_false,
  p_task_assignment_id        in      number,
  p_task_id                   in      number default fnd
_api.g_miss_num,
  p_task_number               in      varchar2 default fnd
_api.g_miss_char,
  p_task_name                  in      varchar2 default fnd
_api.g_miss_char,
  p_resource_type_code        in      varchar2 default fnd
_api.g_miss_char,
  p_resource_id               in      number default fnd
_api.g_miss_num,
  p_resource_name             in      varchar2 default fnd
_api.g_miss_char,
  p_actual_effort              in      number default fnd
_api.g_miss_num,
  p_actual_effort_uom         in      varchar2 default fnd
_api.g_miss_char,
  p_schedule_flag             in      varchar2 default fnd
_api.g_miss_char,
  p_alarm_type_code           in      varchar2 default fnd
_api.g_miss_char,
  p_alarm_contact             in      varchar2 default fnd
_api.g_miss_char,
```

<i>p_sched_travel_distance</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_sched_travel_duration</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_sched_travel_duration_uom</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_actual_travel_distance</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_actual_travel_duration</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_actual_travel_duration_uom</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_actual_start_date</i>	<i>in</i>	<i>date default</i>	<i>fn</i>
<i>_api.g_miss_date,</i>			
<i>p_actual_end_date</i>	<i>in</i>	<i>date default</i>	<i>fn</i>
<i>_api.g_miss_date,</i>			
<i>p_palm_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_wince_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_laptop_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_device1_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_device2_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_device3_flag</i>	<i>in</i>	<i>varchar2 default</i>	<i>fn</i>
<i>_api.g_miss_char,</i>			
<i>p_resource_territory_id</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_assignment_status_id</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>p_shift_construct_id</i>	<i>in</i>	<i>number default</i>	<i>fn</i>
<i>_api.g_miss_num,</i>			
<i>x_return_status</i>	<i>out</i>	<i>varchar2,</i>	
<i>x_msg_count</i>	<i>out</i>	<i>number,</i>	
<i>x_msg_data</i>	<i>out</i>	<i>varchar2,</i>	
<i>p_attribute1</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute2</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute3</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute4</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute5</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute6</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute7</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute8</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute9</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute10</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>
<i>task_utl.g_miss_char,</i>			
<i>p_attribute11</i>	<i>in</i>	<i>varchar2 default</i>	<i>jtf_</i>


```

task_utl.g_miss_char,
    p_attribute12                in          varchar2 default    jtf_
task_utl.g_miss_char,
    p_attribute13                in          varchar2 default    jtf_
task_utl.g_miss_char,
    p_attribute14                in          varchar2 default    jtf_
task_utl.g_miss_char,
    p_attribute15                in          varchar2 default    jtf_
task_utl.g_miss_char,
    p_attribute_category         in          varchar2 default    jtf_
task_utl.g_miss_char
    p_show_on_calendar           in          varchar2 default    jtf_
task_utl.g_miss_char,
    p_category_id                in          number default     jt
f_task_utl.g_miss_number,
    p_enable_workflow            in          varchar2,
    p_abort_workflow             in          varchar2
);

```

Current Version

1.0

Parameter Descriptions

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

Update_Task_Assignment IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	Yes	This parameter is for internal use only. Do not modify in any way.

Parameter	Data Type	Required	Descriptions and Validations
p_task_assignment_id	NUMBER	No	This is the unique task assignment identifier.
p_task_id	NUMBER	No	This is the unique task identifier (Primary Key).
p_task_number	VARCHAR2	No	This defines the task number.
p_task_name	VARCHAR2	No	This defines the task name.
p_resource_type_code	VARCHAR2	No	This is the resource type identifier.
p_resource_id	NUMBER	No	This is the resource identifier.
p_resource_name	VARCHAR2	No	This defines the resource name. Not supported.
p_actual_effort	NUMBER	No	The actual amount of effort spent on a task by all assignees.
p_actual_effort_uom	VARCHAR2	No	The unit of measure for actual work. See Note: 5, page 3-3.
p_schedule_flag	VARCHAR2	No	Indicates whether the resource should be scheduled by the Scheduler.
p_alarm_type_code	VARCHAR2	No	A lookup code that indicates how alarms should be sent to the resource. For example, e-mail, pager, phone.
p_alarm_contact	VARCHAR2	No	Contact information for sending alarms. This field may store an e-mail address, pager number, or phone number.
p_sched_travel_distance	NUMBER	No	This defines the scheduled travel distance.

Parameter	Data Type	Required	Descriptions and Validations
p_sched_travel_duration	NUMBER	No	This defines the scheduled travel duration.
p_sched_travel_duration_uom	VARCHAR2	No	This defines the unit of measure for scheduled travel duration.
p_actual_travel_distance	NUMBER	No	This defines the actual travel duration.
p_actual_travel_duration	NUMBER	No	This defines the actual travel duration.
p_actual_travel_duration_uom	VARCHAR2	No	This defines the unit of measure for actual travel duration.
p_actual_start_date	DATE	No	This defines the actual start date.
p_actual_end_date	DATE	No	This defines the actual end date.
p_palm_flag	VARCHAR2	No	Used by mobile devices.
p_wince_flag	VARCHAR2	No	Used by mobile devices.
p_laptop_flag	VARCHAR2	No	Used by mobile devices.
p_device1_flag	VARCHAR2	No	Used by mobile devices.
p_device2_flag	VARCHAR2	No	Used by mobile devices.
p_device3_flag	VARCHAR2	No	Used by mobile devices.
p_resource_territory_id	NUMBER	No	Currently not supported.
p_assignment_status_id	NUMBER	No	The status identifier of the assignee.
p_shift_construct_id	NUMBER	No	The shift construct identifier for the assignment.
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column.
p_show_on_calendar	VARCHAR2	No	Displays Tasks on the HTML Calendar. Checks if the Value is Y or N.
p_category_id	NUMBER	No	This defines the task category ID.

Parameter	Data Type	Required	Descriptions and Validations
p_enable_workflow	VARCHAR2	No	Determines whether or not to send automatic notifications from the application. Checks if the value is Y or N.
p_abort_workflow	VARCHAR2	No	Determines whether or not to abort the previous Workflow process before starting the next one. Checks if the value is Y or N.

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

Update_Task_Assignment OUT NOCOPY Parameters

Parameter	Data Type	Descriptions and Validations
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Delete_Task_Assignment

This procedure deletes a task assignment for a given task. The task assignment must be specified.

Procedure Specification

PROCEDURE delete_task_assignment

```
(
    p_api_version          in      number,
    p_object_version_number in      number,
    p_init_msg_list        in      varchar2 default fnd_api.
g_false,
    p_commit               in      varchar2 default fnd_api.
g_false,
```

```
p_task_assignment_id      in      number,  
x_return_status          out     varchar2,  
x_msg_count              out     number,  
x_msg_data               out     varchar2,  
p_enable_workflow        in      varchar2,  
p_abort_workflow         in      varchar2  
  
);
```

Current Version

1.0

Parameter Descriptions

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

Delete_Task_Assignment IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	Yes	This parameter is for internal use only. Do not modify in any way.
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_task_assignment_id	NUMBER	No	This is the unique task assignment identifier.
p_enable_workflow	VARCHAR2	No	Determines whether or not to send automatic notifications from the application. Checks if the value is Y or N.
p_abort_workflow	VARCHAR2	No	Determines whether or not to abort the previous Workflow process before starting the next one. Checks if the value is Y or N.

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

Delete_Task_Assignment OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Package JTF_TASK_REFERENCES_PUB

The JTF_Task_References_Pub package contains the following APIs:

- Create_References, page 3-57
- Update_References, page 3-61
- Delete_References, page 3-65

Data Structure Specifications

The following data structure is used in the JTF_TASK_REFERENCES_PUB API.

References Record Type

The REFERENCES_REC creates the reference for a given task.

TYPE references_rec IS RECORD

```
(  
  
    TASK_REFERENCE_ID          NUMBER,  
  
    TASK_ID                   NUMBER,  
  
    OBJECT_TYPE_CODE          VARCHAR2( 30 ),  
  
    OBJECT_NAME               VARCHAR2( 80 ),  
  
    OBJECT_ID                 NUMBER,  
  
    OBJECT_DETAILS            VARCHAR2( 2000 ),  
  
    REFERENCE_CODE            VARCHAR2( 30 ),  
  
    ATTRIBUTE1                VARCHAR2( 150 ),  
  
    ATTRIBUTE2                VARCHAR2( 150 ),  
  
    ATTRIBUTE3                VARCHAR2( 150 ),  
  
    ATTRIBUTE4                VARCHAR2( 150 ),  
  
);
```



```

ATTRIBUTE5                VARCHAR2( 150 ),
ATTRIBUTE6                VARCHAR2( 150 ),
ATTRIBUTE7                VARCHAR2( 150 ),
ATTRIBUTE8                VARCHAR2( 150 ),
ATTRIBUTE9                VARCHAR2( 150 ),
ATTRIBUTE10               VARCHAR2( 150 ),
ATTRIBUTE11               VARCHAR2( 150 ),
ATTRIBUTE12               VARCHAR2( 150 ),
ATTRIBUTE13               VARCHAR2( 150 ),
ATTRIBUTE14               VARCHAR2( 150 ),
ATTRIBUTE15               VARCHAR2( 150 ),
ATTRIBUTE_CATEGORY        VARCHAR2( 30 ),
USAGE                     VARCHAR2( 2000 ),
OBJECT_VERSION_NUMBER     NUMBER
);

```

Create_References

This API establishes references to a task. For example, a task created for a service request can establish reference to an inventory part number using references. The following information applies to this API:

- Every task is associated with a source. It can also be associated with multiple references.
- *Task_id* or *task_number* must be passed.
- If the API executes successfully, then the output parameter is *task_reference_id*.

Procedure Specification

```

PROCEDURE create_references
(
    p_api_version          in          number,
    p_init_msg_list        in          varchar2 default fnd_api.g_false
,

```

```

p_commit          in          varchar2 default fnd_api.g_false
,
p_task_id         in          number          default null,
p_task_number    in          varchar2          default null,
p_object_type_code in        varchar2          default null,
p_object_name     in          varchar2,
p_object_id       in          number,
p_object_details in          varchar2          default null,
p_reference_code  in          varchar2          default null,
p_usage          in          varchar2          default null,
x_return_status  out         varchar2,
x_msg_data       out         varchar2,
x_msg_count      out         number,
x_task_reference_id out       number,
p_attribute1     in          varchar2          default null,
p_attribute2     in          varchar2          default null,
p_attribute3     in          varchar2          default null,
p_attribute4     in          varchar2          default null,
p_attribute5     in          varchar2          default null,
p_attribute6     in          varchar2          default null,
p_attribute7     in          varchar2          default null,
p_attribute8     in          varchar2          default null,
p_attribute9     in          varchar2          default null,
p_attribute10    in          varchar2          default null,
p_attribute11    in          varchar2          default null,
p_attribute12    in          varchar2          default null,
p_attribute13    in          varchar2          default null,
p_attribute14    in          varchar2          default null,
p_attribute15    in          varchar2          default null,

```

```

        p_attribute_category in varchar2 default null
    );

```

Current Version

1.0

Parameter Descriptions

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

Create_References IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_task_id	NUMBER	Yes	This is the unique task identifier (Primary Key).
p_task_number	VARCHAR2	No	This defines the task number.
p_object_type_code	VARCHAR2	No	Reference object type code (Foreign Key to jtf_objects_vl for objects with a usage of "Task".)

Parameter	Data Type	Required	Descriptions and Validations
p_object_name	VARCHAR2	No	This is the name of reference object. Validated from the table registered in <i>jtf_objects_vl</i> for the <i>object_type_code</i> .
p_object_id	NUMBER	No	This defines the internal identifier of reference object. Validated from the table registered in <i>jtf_objects_vl</i> for the <i>object_type_code</i> .
p_object_details	VARCHAR2	No	Additional information of the reference object.
p_reference_code	VARCHAR2	No	Lookup code indicating the context of the reference. Not supported and not used in the context of the Tasks module.
p_usage	VARCHAR2	No	User comment on the usage of the reference.
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column.

Parameter	Data Type	Required	Descriptions and Validations
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column.

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

Create_References OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_task_reference_id	NUMBER	This is the unique task reference identifier.

Update_References

This API is used to update references to a task.

Note: *Task_reference_id* must be an input parameter.

Procedure Specification

PROCEDURE update_references

```

(
    p_api_version          in          number,
    p_init_msg_list       in          varchar2 default    fnd_a
pi.g_false,
    p_commit              in          varchar2 default    fnd_a
pi.g_false,
    p_object_version_number in out    number,
    p_task_reference_id   in          number,
    p_object_type_code    in          varchar2 default    fnd_a
pi.g_miss_char,
    p_object_name         in          varchar2 default    fnd_a
pi.g_miss_char,
    p_object_id           in          number default      fnd_a
pi.g_miss_num,
    p_object_details     in          varchar2 default    fnd_a
pi.g_miss_char,
    p_reference_code     in          varchar2 default    fnd_a
pi.g_miss_char,
    p_usage               in          varchar2 default    fnd_a
pi.g_miss_char,
    x_return_status      out          varchar2,
    x_msg_data           out          varchar2,
    x_msg_count          out          number,
    p_attribute1         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute2         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute3         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute4         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute5         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute6         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute7         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute8         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute9         in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute10        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute11        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute12        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute13        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute14        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute15        in          varchar2 default    jtf_ta
sk_utl.g_miss_char,
    p_attribute_category in          varchar2 default    jtf_ta
sk_utl.g_miss_char
);

```

Current Version

1.0

Parameter Descriptions

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

Update_References IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	Yes	This parameter is for internal use only. Do not modify in any way.
p_task_reference_id	NUMBER	Yes	Unique task reference identifier.
p_object_type_code	VARCHAR2	No	Reference object type code (Foreign Key to jtf_task_object_types).
p_object_name	VARCHAR2	No	This defines the name of the reference object.
p_object_id	NUMBER	No	This is the internal identifier of reference object.
p_object_details	VARCHAR2	No	This provides additional information for the reference object.

Parameter	Data Type	Required	Descriptions and Validations
p_reference_code	VARCHAR2	No	Lookup code indicating the context of the reference.
p_usage	VARCHAR2	No	User comment on the usage of the reference.
p_attribute1	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute2	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute3	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute4	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute5	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute6	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute7	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute8	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute9	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute10	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute11	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute12	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute13	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute14	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute15	VARCHAR2	No	Descriptive flexfield segment column.
p_attribute_category	VARCHAR2	No	Descriptive flexfield structure defining column.

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

Update_References OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Delete_References

This API is used to delete references to a task.

Note: *Task_reference_id* must be an input parameter.

Procedure Specification

PROCEDURE delete_references

```
(  
    p_api_version          in      number,  
    p_init_msg_list       in      varchar2 default fnd_ap  
i.g_false,  
    p_commit              in      varchar2 default fnd_api  
.g_false,  
    p_object_version_number in      number,  
    p_task_reference_id   in      number          default  
null,  
    x_return_status      out      varchar2,  
    x_msg_data           out      varchar2,  
    x_msg_count          out      number  
);
```

Current Version

1.0

Parameter Descriptions

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

Delete References IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_object_version_number	NUMBER	Yes	This parameter is for internal use only. Do not modify in any way.
p_task_reference_id	NUMBER	Yes	Unique task reference identifier.

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

Delete References OUT NOCOPY Parameters

Parameter	Data Type	Descriptions
x_return_status	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.
x_msg_count	NUMBER	See OUT NOCOPY Parameters, page 3-23.
x_msg_data	VARCHAR2	See OUT NOCOPY Parameters, page 3-23.

Messages and Notifications

The APIs contained in the Task Manager public packages generate messages and notifications as needed. Some of these messages are common to all of the Task Manager APIs and others are generated by APIs in specific Task Manager packages. Both types of messages are detailed in the following sections.

- Common Messages, page 3-67
- JTF_TASK_ASSIGNMENTS_PUB, page 3-71
- JTF_TASK_REFERENCES_PUB, page 3-72
- JTF_TASKS_PUB, page 3-73

Note: It is not required that all status notifications provide a number identifier along with the message, although, in many cases, it is provided.

Common Messages

The following table lists the messages and notifications generated by many of the APIs contained in Task Manager public packages.

Common Task API Messages

Number	Type	Name	Text
N/A	E	JTF_TASK_D INSTANCE_UNITS	Quantity for p_ distance_tag is invalid.
N/A	E	JTF_TASK_INVALID_ CONTACT	Contacts details are invalid.
N/A	E	JTF_TASK_INVALID_ DEFAULT_OWNER	Default owner for the task is not setup correctly.
N/A	E	JTF_TASK_INVALID_ PHONE_ID	Phone details are invalid. (Contact point identifier = p_ phone_id).
N/A	E	JTF_TASK_MISSING_ CONTACT	Contact details are missing.
N/A	E	JTF_TASK_MISSING_ PHONE	Phone details are missing.
N/A	E	JTF_TASK_MISSING_ USER_MAPPING	User is not mapped to a resource.
210000	E	JTF_TASK_MISSING_ UOM	Unit of measure for p_tag should be specified.
210001	E	JTF_TASK_INVALID_ PRIORITY_ID	Task Priority p_task_ priority_id is either disabled or invalid.
210002	E	JTF_TASK_INVALID_ PRIORITY_NAME	Task Priority p_task_ priority_name is either disabled or invalid.

Number	Type	Name	Text
210003	E	JTF_TASK_INVALID_ TYPE_ID	Task Type p_task_ type_id is either disabled or invalid.
210004	E	JTF_TASK_INVALID_ UOM	Unit of Measure p_ uom_code is either disabled or invalid.
210005	E	JTF_TASK_INVALID_ DEPENDS_CODE	Currency Code p_ dependency_code is either disabled or invalid.
210006	E	JTF_TASK_INVALID_ TEMP_NUMBER	Task Template p_task_ template_number is invalid.
210008	E	JTF_TASK_INVALID_ TEMP_ID	Task Template p_task_ template_id is invalid.
210012	E	JTF_TASK_INVALID_ CUST_ACCT_ID	Customer Account p_cust_account_id is invalid or disabled.
210013	E	JTF_TASK_INVALID_ PARTY_ID	Customer p_party_id is invalid or disabled.
210014	E	JTF_TASK_INVALID_ PARTY_NUMBER	Customer party_ number is invalid or disabled.
210015	E	JTF_TASK_INVALID_ SITE_ID	Address p_party_ site_id is invalid or disabled.
210016	E	JTF_TASK_INVALID_ SITE_NUMBER	Address p_party_ site_number is invalid or disabled.
210018	E	JTF_TASK_INVALID_ FLAG	P_flag_name must be Yes or No.
210020	E	JTF_TASK_INVALID_ DEPENDS_ID	Dependency p_ dependency_id does not exist.
210021	E	JTF_TASK_INVALID_ ASSIGNED_NAME	User p_assigned_by_ name is invalid or disabled.
210022	E	JTF_TASK_INVALID_ CURRENCY_CODE	Currency p_currency_ code is invalid or disabled.

Number	Type	Name	Text
210023	E	JTF_TASK_MISSING_ CURRENCY_CODE	P_cost, currency code should be present. Cause: both cost currency code should be present.
210024	E	JTF_TASK_MISSING_ COST	For p_currency_code, cost should be present. Cause: both cost currency code should be present.
210026	E	JTF_TASK_INVALID_ TIMEZONE_NAME	Timezone for p_ timezone_name is either disabled or invalid.
210027	E	JTF_TASK_INVALID_ TIMEZONE_ID	Timezone for p_ timezone_id is either disabled or invalid.
210029	U	JTF_TASK_ UNKNOWN_ERROR	Error text.
210031	E	JTF_TASK_INVALID_ OBJECT_NAME	P_object_type_code p_object_name is either disabled or invalid.
210032	E	JTF_TASK_INVALID_ OBJECT_CODE	P_object_code is either disabled or invalid.
210034	E	JTF_TASK_INVALID_ QUANTITY	Value for p_tag should be greater than 0.
210035	E	JTF_TASK_MISSING_ QUANTITY	Quantity for p_tag should be specified.
210037	E	JTF_TASK_INVALID_ STATUS_NAME	Task status p_task_ status_name is either disabled or invalid.
210039	E	JTF_TASK_INVALID_ TYPE_NAME	Task type p_task_ type_name is either disabled or invalid.
210041	E	JTF_TASK_INVALID_ STATUS_ID	Status p_task_status_ id is either disabled or invalid.
210046	E	JTF_TASK_INVALID_ DATES	P_date_tag start date cannot be greater than p_date_tag end date.
210047	E	JTF_TASK_INVALID_ SOURCE_DTLS	Invalid source object details provided.

Number	Type	Name	Text
210048	E	JTF_TASK_INVALID_TEMP_GRP_NAME	Task template group p_task_temp_group_name is either disabled or invalid.
210049	E	JTF_TASK_INVALID_TEMP_GRP_ID	Task template group p_task_template_group_id is either disabled or invalid.
210051	E	JTF_TASK_INVALID_TASK_ID	Task p_task_id is invalid.
210052	E	JTF_TASK_INVALID_TASK_NUMBER	Task number p_task_number is invalid.
210055	E	JTF_TASK_MISSING_TASK	Task is missing.
210056	E	JTF_TASK_INVALID_DATE_TYPE_ID	Date type p_date_type_id is invalid.
210065	E	JTF_TASK_INVALID_TERR_ID	Territory p_terr_id is disabled or invalid.
210066	E	JTF_TASK_INVALID_TERR_NAME	Territory is disabled or invalid.
210067	E	JTF_TASK_INVALID_ESC_DTLS	Invalid escalation details.
210068	E	JTF_TASK_INVALID_OWNER_ID	Owner p_owner_id is invalid.
210069	E	JTF_TASK_PARENT_TYPE_CODE	Parent task should have the same source document types as the given task.
210069	E	JTF_TASK_PARENT_TYPE_CODE	Parent task should have the same source document types as the given task.
210070	E	JTF_TASK_PARENT	Parent task does not have the same source object details as the given task.

Number	Type	Name	Text
210118	E	JTF_TASK_MISSING_RETURN_STATUS	Return status from internal API hook is missing.
210120	E	JTF_TASK_MISSING_LOOKUP	Lookup code (p_lookup_code) is not defined for lookup type p_lookup_type.

JTF_TASK_ASSIGNMENTS_PUB

The following table lists the messages and notifications generated by the APIs contained in the JTF_TASK_ASSIGNMENTS_PUB package.

JTF_TASK_ASSIGNMENTS_PUB API Messages

Number	Type	Name	Text
210029	U	JTF_TASK_UNKNOWN_ERROR	Error text.
210055	E	JTF_TASK_MISSING_TASK	Task is missing.
210082	E	JTF_TASK_INV_RES_TYP_COD	Resource type code is invalid or disabled. This feature is currently not enabled in the API. This error should never occur.
210080	E	JTF_TASK_NULL_RES_ID	Resource identifier is missing.
		JTF_TASK_MISSING_TASK_STATUS	Task status is missing or invalid.
210085	E	JTF_TASK_INV_ALA_TYPE	Alarm type code is invalid or disabled.
210086	E	JTF_TASK_INV_ALA_CON	Alarm contact is invalid or disabled. This feature is currently not enabled in the API. This error should never occur.
210117	E	JTF_TASK_RESOURCE_LOCKED	Resource is locked or deleted.
210113	E	JTF_TASK_NULL_TK_ASS	Task assignment is missing.
210114	E	JTF_TASK_INV_TK_ASS	Task assignment identifier is invalid or missing.
210115	E	JTF_TASK_DELETING_TK_ASS	Error deleting task assignment.

JTF_TASK_REFERENCES_PUB

The following table lists the messages and notifications generated by the APIs contained in the JTF_TASK_REFERENCES_PUB package.

JTF_TASK_REFERENCES_PUB API Messages

Number	Type	Name	Text
210025	E	JTF_TASK_MISSING_ OBJECT_NAME	Object name is missing.
210028	E	JTF_TASK_MISSING_ OBJECT_CODE	Source object type code is missing.
210029	U	JTF_TASK_ UNKNOWN_ERROR	Error text.
210031	E	JTF_TASK_INVALID_ OBJECT_NAME	Object code object name is either disabled or invalid.
210032	E	JTF_TASK_INVALID_ OBJECT_CODE	Object code is either disabled or invalid.
210038	E	JTF_TASK_INVALID_ REFER	Task reference identifier is invalid.
210042	E	JTF_TASK_MISSING_ REFER	Task reference is missing.
210044	E	JTF_TASK_INVALID_ OBJECT_ID	Object identifier is invalid.
210050	E	JTF_TASK_INVALID_ REFER_CODE	Reference code is either disabled or invalid.
210053	E	JTF_TASK_INVALID_ REFER_DETAILS	Invalid reference details.
210055	E	JTF_TASK_MISSING_ TASK	Task is missing.
210117	E	JTF_TASK_ RESOURCE_ LOCKED	Resource is locked or deleted.

JTF_TASKS_PUB

The following table lists the messages and notifications generated by the APIs contained in the JTF_TASKS_PUB package.

JTF_TASK_ API Messages

Number	Type	Name	Text
21002	E	JTF_TASK_INVALID_ PRIORITY_NAME	Task priority is either disabled or invalid.

Number	Type	Name	Text
210007	E	JTF_TASK_MISSING_TEMP_GRP	Task template group is missing.
210011	E	JTF_TASK_INVALID_CUST_ACCT_NUM	Customer account number is disabled or invalid.
210021	E	JTF_TASK_INVALID_ASSIGNED_NAME	User assigned by name is invalid or disabled.
210029	U	JTF_TASK_UNKNOWN_ERROR	Returns the unhandled error text.
210036	E	JTF_TASK_MISSING_STATUS	Task status is missing.
210040	E	JTF_TASK_MISSING_TYPE	Task type is missing.
	E	JTF_TASK_INVALID_CUST_ACCT_NUM	The customer account number is not valid.
210046	E	JTF_TASK_INVALID_DATES	<i>Date start date cannot be greater than date end date.</i>
210051	E	JTF_TASK_INVALID_TASK_ID	Task identifier is invalid.
210052	E	JTF_TASK_INVALID_TASK_NUMBER	Task number is invalid.
210055	E	JTF_TASK_MISSING_TASK	Task is missing.
210060	E	JTF_TASK_CONVERTING_NUMBER	Error converting template number to task number.
210098	E	JTF_TK_INV_QRY_NXT	Invalid value query or next code can be Q or N.
210099	E	JTF_TK_INV_SHOW_ALL	Invalid value show all can be Y or N.
210100	E	JTF_TK_NULL_STRT_PTR	Start record number cannot be NULL.
210101	E	JTF_TK_NULL_REC_WANT	Number of records wanted cannot be NULL.
210103	E	JTF_TASK_INV_TK_NAME	Invalid task name.

Number	Type	Name	Text
210104	E	JTF_TK_OBJECT_TY PE_ID_RQD	Both object identifier and object type code are required if one is present.
210105	E	JTF_TK_QRY_NXT_ INV_QRY_TYP	Invalid query type.
210106	E	JTF_TK_QRY_NXT_ INV_DT_TYPE	Invalid date type.
210107	E	JTF_TK_QRY_NXT_ NUL_ASGND_BY	Assigned by identifier is NULL.
210108	E	JTF_TK_QRY_NXT_ NUL_	Owner identifier or type is NULL.
210109	E	JTF_TK_EXP_FILE_ NAME_NULL	Output file name cannot be NULL.
210110	E	JTF_TK_EXP_TABLE_ EMPTY	Task table input table is NULL.
210111	E	JTF_TK_QRY_NXT_ INV_STRT_END_DT	Invalid value for start or end date query parameter.
210112	E	JTF_TK_NO_DATE	Created date field for current task identifier is NULL.
210117	E	JTF_TASK_ RESOURCE_ LOCKED	Resource is locked or deleted.

Sample Code

This section contains SQL scripts that call the Task Manager public APIs stored in the following packages and insert values as required:

- JTF_TASKS_PUB
- JTF_TASK_ASSIGNMENTS_PUB
- JTF_TASK_REFERENCES_PUB

Package JTF_TASKS_PUB

The SQL scripts in this section create a task by calling the Create_Task API contained in the JTF_TASKS_PUB package and by providing them with the required values.

Create_Task

This script calls the Create_Task API and creates tasks with the following information.

Create_Task API Sample Code Variables

Variable	Description
p_user_name	Login user name is entered by a user.
p_task_name	Task name is entered by a user.
p_task_type	The type of task is entered by a user, such as "Meeting", or "Lunch".
p_task_priority	Task priority is entered by a user, such as "High", "Medium", or "Low".
p_task_status	Task status is entered by a user, such as "Open".
p_show_on_cal	A flag used to determine if the task will be shown in the calendar view.
p_start_date	The planned start date is entered by a user.
p_end_date	The planned end date is entered by a user.

```
set serveroutput on
```

```
accept p_user_name          prompt 'Enter user name : '  
accept p_task_name         prompt 'Enter task name : '  
accept p_task_type         prompt 'Enter task type name (Default=  
Meeting): '  
accept p_priority          prompt 'Enter priority name (Default=M  
edium) : '  
accept p_task_status       prompt 'Enter task status name (Defaul  
t=Open) : '  
accept p_show_on_cal       prompt 'Enter Y if you want to show th  
is task on calendar view (Default=N) : '  
accept p_start_date        prompt 'Enter task start date (Format=  
MMDDYYYY HH24MI) : '  
accept p_end_date          prompt 'Enter task end date (Format=  
MMDDYYYY HH24MI) : '
```

```
declare  
  l_user_name              fnd_user.user_name%TYPE := upper('&p_user  
_name');  
  l_task_name              jtf_tasks_tl.task_name%TYPE := '&p_task_n  
ame';  
  l_task_type              jtf_task_types_tl.name%TYPE := NVL('&p_ta  
sk_type_name','Meeting');  
  l_task_priority          jtf_task_priorities_tl.name%TYPE := NVL('  
&p_priority', 'Medium');  
  l_task_status            jtf_task_statuses_tl.name%TYPE := NVL('&p  
_task_status','Open');  
  l_show_on_cal            jtf_task_all_assignments.show_on_calendar  
%TYPE := NVL(upper('&p_show_on_cal'),'N');  
  l_planned_start_date     DATE := NVL(TO_DATE('&p_start_date','MMDD  
YYYY HH24MI'),SYSDATE);  
  l_planned_end_date       DATE := NVL(TO_DATE('&p_end_date','MMDDYY
```

```

YY HH24MI'),SYSDATE);
cursor c_login_user (b_user_name VARCHAR2) is
  select user_id
     from fnd_user
    where user_name = b_user_name;

cursor c_owner (b_user_id NUMBER) is
  select resource_id
     from jtf_rs_emp_dtls_vl r
    where r.user_id = b_user_id;

cursor c_task_type (b_name VARCHAR2) is
  select task_type_id
     from jtf_task_types_tl
    where name = b_name;

cursor c_task_status (b_status VARCHAR2) is
  select task_status_id
     from jtf_task_statuses_vl
    where name = b_status
       and task_status_flag = 'Y';

cursor c_task_priority (b_priority VARCHAR2) is
  select task_priority_id
     from jtf_task_priorities_tl
    where name = b_priority;
l_user_id          NUMBER;
l_resource_id      NUMBER;
l_task_type_id     NUMBER;
l_task_status_id   NUMBER;
l_task_priority_id NUMBER;

l_task_id          NUMBER;
l_return_status    VARCHAR2(1);
l_msg_count        NUMBER;
l_msg_data         VARCHAR2(1000);

begin
  dbms_output.put_line('-----
  ---');
  open c_login_user(l_user_name);
  fetch c_login_user into l_user_id;
  if c_login_user%NOTFOUND then
    close c_login_user;
    raise_application_error(-20000,'User name '||l_user_name||
' is not found.');
```

```

dbms_output.put_line('Owner Resource Id : '||l_resource_id);

open c_task_type (l_task_type);
fetch c_task_type into l_task_type_id;if c_task_type%NOTFOUND
then
    close c_task_type;
    raise_application_error(-20000,'Task type '||l_task_type||
' is not found.');
```

```

end if;
close c_task_type;

open c_task_status(l_task_status);
fetch c_task_status into l_task_status_id;
if c_task_status%NOTFOUND then
    close c_task_status;
    raise_application_error(-20000,'Task status '||l_task_stat
us||' is not found.');
```

```

end if;
close c_task_status;

open c_task_priority(l_task_priority);
fetch c_task_priority into l_task_priority_id;
if c_task_priority%NOTFOUND then
    close c_task_priority;
    raise_application_error(-20000,'Task status '||l_task_prio
rity||' is not found.');
```

```

end if;
close c_task_priority;

fnd_global.apps_initialize(l_user_id, 0, 690);

jtf_tasks_pub.create_task(
    p_api_version          => 1.0 ,
    p_init_msg_list        => fnd_api.g_true,
    p_commit               => fnd_api.g_false,
    p_task_name            => l_task_name,
    p_task_type_id         => l_task_status_id,
    p_task_status_id       => l_task_type_id,
    p_task_priority_id     => l_task_priority_id,
    p_owner_type_code      => 'RS_EMPLOYEE',
    p_owner_id             => l_resource_id,
    p_show_on_calendar     => l_show_on_cal,
    p_planned_start_date   => l_planned_start_date,
    p_planned_end_date     => l_planned_end_date,
    p_date_selected        => 'P',
    x_return_status        => l_return_status,
    x_msg_count            => l_msg_count,
    x_msg_data             => l_msg_data,
    x_task_id              => l_task_id
);
IF l_return_status <> fnd_api.g_ret_sts_success THEN
    IF l_msg_count > 0 THEN
        l_msg_data := NULL;
        FOR i IN 1..l_msg_count LOOP
            l_msg_data := l_msg_data ||' '||fnd_msg_pub.get(1,
'F');
```

```

        END LOOP;
        fnd_message.set_encoded(l_msg_data);

```

```

        dbms_output.put_line(l_msg_data);
    END IF;
    ROLLBACK;
ELSE
    dbms_output.put_line('Task Id = '||l_task_id);
    dbms_output.put_line('Return Status = '||l_return_status);
    COMMIT;
END IF;
end;
/

```

Package JTF_TASK_ASSIGNMENTS_PUB

The SQL scripts in this section create a task assignment for a specific task by calling the Create_Task_Assignment API contained in the JTF_TASK_ASSIGNMENTS_PUB package and by providing them with the required values.

Create_Task_Assignment

This script calls the Create_Task_Assignment API and adds an assignee with the following information.

Create_Task_Assignment API Sample Code Variables

Variable	Description
p_user_name	Login user name is entered by a user.
p_task_id	Task ID is entered by a user.
p_emp_resource_id	Resource ID for an employee is entered by a user.
p_show_on_cal	A flag used to determine if the task will be shown in the calendar view.
p_assignment_status	Task assignment status is entered by a user.

```

        set serveroutput on

accept p_user_name          prompt 'Enter user name : '
accept p_task_id            prompt 'Enter task id   : '
accept p_emp_resource_id    prompt 'Enter resource id for an employ
ee : '
accept p_show_on_cal        prompt 'Do you want to show this task
on calendar view ? (Y or N) : '
accept p_assignment_status  prompt 'Enter Assignment status name :
'

declare
    l_user_name              fnd_user.user_name%TYPE := upper('&p_user
name');
    l_task_id                jtf_tasks_b.task_id%TYPE := '&p_task_id'
;

```

```

        l_emp_resource_id      jtf_rs_emp_dtls_vl.resource_id%TYPE := '&
&p_emp_resource_id';
        l_show_on_cal          jtf_task_all_assignments.show_on_calenda
r%TYPE := NVL(upper('&p_show_on_cal'),'N');
        l_assignment_status   jtf_task_statuses_vl.name%TYPE := NVL('&
p_assignment_status', 'Accepted');

        cursor c_login_user (b_user_name VARCHAR2) is
        select user_id
           from fnd_user
          where user_name = b_user_name;
        cursor c_assignee is
        select resource_id
           from jtf_rs_emp_dtls_vl r
          where r.resource_id = l_emp_resource_id;

        cursor c_assignment_status (b_status VARCHAR2) is
        select task_status_id
           from jtf_task_statuses_vl
          where name = b_status
            and assignment_status_flag = 'Y';

        l_user_id              NUMBER;
        l_assignee_id           NUMBER;
        l_assignment_status_id  NUMBER;
        l_task_assignment_id    NUMBER;

        l_return_status         VARCHAR2(1);
        l_msg_count             NUMBER;
        l_msg_data              VARCHAR2(1000);

begin
        dbms_output.put_line('-----
---');
        open c_login_user(l_user_name);
        fetch c_login_user into l_user_id;
        if c_login_user%NOTFOUND then
                close c_login_user;
                raise_application_error(-20000,'User name '||l_user_name||
' is not found.');
```



```

end if;
close c_assignment_status;
fnd_global.apps_initialize(l_user_id, 0, 690);

jtf_task_assignments_pub.create_task_assignment(
    p_api_version          => 1.0,
    p_init_msg_list        => fnd_api.g_true,
    p_commit               => fnd_api.g_false,
    p_task_assignment_id   => NULL,
    p_task_id              => l_task_id,
    p_resource_type_code   => 'RS_EMPLOYEE',
    p_resource_id          => l_assignee_id,
    p_assignment_status_id => l_assignment_status_id,
    p_show_on_calendar     => l_show_on_cal,
    x_return_status        => l_return_status,
    x_msg_count            => l_msg_count,
    x_msg_data             => l_msg_data,
    x_task_assignment_id   => l_task_assignment_id
);
IF l_return_status <> fnd_api.g_ret_sts_success THEN
    IF l_msg_count > 0 THEN
        l_msg_data := NULL;
        FOR i IN 1..l_msg_count LOOP
            l_msg_data := l_msg_data || ' ' || fnd_msg_pub.get(1,
'F');
        END LOOP;

        fnd_message.set_encoded(l_msg_data);
        dbms_output.put_line(l_msg_data);
    END IF;
    ROLLBACK;
ELSE
    dbms_output.put_line('l_task_assignment_id = ' || l_task_assignment_id);
    dbms_output.put_line('Return Status = ' || l_return_status);
    COMMIT;
END IF;
end;
/

```

Package JTF_TASK_REFERENCES_PUB

The SQL scripts in this section create references to a specific task by calling the Create_References API contained in the JTF_TASK_REFERENCES_PUB package and by providing them with the required values.

Create_References

This script calls the Create_References API and creates a reference with the following information.

Create_References API Sample Code Variables

Variable	Description
p_user_name	Login user name is entered by a user.
p_task_id	The ID of the task which the reference is added to is entered by a user.
p_source_object_type	Source object type is entered by a user, such as "Party".
p_source_object_name	Source object name is entered by a user, such as "Business World".
p_source_object_id	Source object ID is entered by a user, such as "1001".

```
set serveroutput on

accept p_user_name          prompt 'Enter user name : '
accept p_task_id           prompt 'Enter task id   : '
accept p_source_object_type prompt 'Enter source object type (e.g.
PARTY) : '
accept p_source_object_name prompt 'Enter source object name (Enter
party name if object type is PARTY): '
accept p_source_object_id  prompt 'Enter source object id   (Enter
party id if object type is PARTY): '

declare
    l_user_name          fnd_user.user_name%TYPE := upper('&p_user
r_name');
    l_task_id           jtf_tasks_b.task_id%TYPE := '&p_task_id'
;
    l_source_object_type jtf_tasks_b.source_object_type_code%TYPE
:= upper('&p_source_object_type');
    l_source_object_name jtf_tasks_b.source_object_name%TYPE := '
&p_source_object_name';
    l_source_object_id  jtf_tasks_b.source_object_id%TYPE := '&p
_source_object_id';

    cursor c_login_user (b_user_name VARCHAR2) is
    select user_id
    from fnd_user
    where user_name = b_user_name;
    l_user_id          NUMBER;
    l_task_reference_id NUMBER;

    l_return_status VARCHAR2(1);
    l_msg_count      NUMBER;
    l_msg_data       VARCHAR2(1000);

begin
    dbms_output.put_line('-----
---');
    open c_login_user(l_user_name);
    fetch c_login_user into l_user_id;
```

```

    if c_login_user%NOTFOUND then
        close c_login_user;
        raise_application_error(-20000,'User name '||l_user_name||
' is not found.');
```

```

    end if;
    close c_login_user;
    dbms_output.put_line('User Id : '||l_user_id);

    fnd_global.apps_initialize(l_user_id, 0, 690);

    jtf_task_references_pub.create_references(
        p_api_version          => 1.0,
        p_init_msg_list        => fnd_api.g_true,
        p_commit                => fnd_api.g_false,
        p_task_id              => l_task_id,
        p_object_type_code     => l_source_object_type,
        p_object_name          => l_source_object_name,
        p_object_id            => l_source_object_id,
        x_return_status        => l_return_status,
        x_msg_count            => l_msg_count,
        x_msg_data              => l_msg_data,
        x_task_reference_id    => l_task_reference_id
    );
    IF l_return_status <> fnd_api.g_ret_sts_success THEN
        IF l_msg_count > 0 THEN
            l_msg_data := NULL;
            FOR i IN 1..l_msg_count LOOP
                l_msg_data := l_msg_data ||' '||fnd_msg_pub.get(1,
'F');
```

```

            END LOOP;

            fnd_message.set_encoded(l_msg_data);
            dbms_output.put_line(l_msg_data);
        END IF;
        ROLLBACK;
    ELSE
        dbms_output.put_line('l_task_reference_id = '||l_task_refe
rence_id);
        dbms_output.put_line('Return Status = '||l_return_status);
        COMMIT;
    END IF;
end;
/
```

Notes Public APIs

A note provides a quick and easy way to enter in any information for an E-Business Suite business object. It is useful for attaching information such as directions, special instructions, or reminders. One or more people with access to the business object may enter in a note.

This chapter covers the following topics:

- Package JTF_NOTES_PUB
- Messages and Notifications
- Sample Code

Package JTF_NOTES_PUB

All public procedures (APIs) relating to creating and updating notes are stored in the JTF_NOTES_PUB package. There are two public Note APIs:

- Create_Notes
- Update_Notes

Data Structure Specifications

Package JTF_NOTES_PUB contain one data structure.

Record jtf_note_contexts_rec_type

The jtf_note_contexts_rec is used to store information about the context (a related business object) for the note. This record type is used to create both of the following:

- jtf_note_contexts_tab
- jtf_note_contexts_tab_dflt

```

TYPE jtf_note_contexts_rec_type IS RECORD

( note_context_id          NUMBER,

  jtf_note_id             NUMBER,

  note_context_type       VARCHAR2( 240 ),

  note_context_type_id    NUMBER,

  last_update_date        DATE,

  last_updated_by         NUMBER( 15 ),

  creation_date           DATE,

  created_by              NUMBER,

  last_update_login       NUMBER

);

```

These parameters have the same meaning as those defined for the individual Notes APIs.

Notes Public APIs

The following table describes the public APIs which are discussed in this chapter.

The Notes Public APIs

Procedure	Description
Create_Note, page 4-5	Creates a note (record) and writes it to the database.
Update_Note, page 4-12	Updates an existing note (record) and writes the updated version to the database.

Note Source and Note Context

The following section details the relationship between both the note source and note context and the JTF_NOTES_PUB API package.

Note Source

The note source is always required when using the JTF_NOTES_PUB API package. The **note source** is a business object that owns the note. It is always one of the following:

- the creator of the note
- the initiator of the note
- the parent of the note

This could be a party, a service request, or an order, for example. In any case, the note does not make sense without the source. You must specify the source of a note when creating it.

Note Context

The **note context** is a business object that is related to the note, but is not its source. For example, a note is created for a task, but, in addition, it is related to a party, an opportunity and an employee. Note context is not required when you create a note.

The following table describes some of the important parameters related to both the note source and note context.

Note Source and Context Parameters

Parameter	Description
<code>p_source_object_code</code>	This parameter contains (references) the source business object. For example, this could be a party, a task, or a service request. This parameter is not the software module that created the note. For example, it is not Customer Care, or the Contact Center.
<code>p_source_object_id</code>	This parameter relates to the business object specified in <code>p_source_object_code</code> , but refers to a particular instance of the business object. For example, this could be the <code>party_id</code> for a party, or the <code>service_request_id</code> of a service request.
<code>p_context</code>	This is a short description field for the context business object.
<code>p_note_context_type</code>	This value is passed as a parameter in the internal call to the <code>Create_Note_Context</code> API. It is the business object that is related to, but is not the source of, the note. It is similar to <code>p_source_object_code</code> .
<code>p_note_context_type_id</code>	This value is passed as a parameter in the internal call to the <code>Create_Note_Context</code> API. It is similar to <code>p_source_object_id</code> .

The `p_note_context_type` parameter and the `p_note_context_type_id` parameter are stored as data items in the `p_jtf_note_contexts_tab` record. See "Record `jtf_note_contexts_rec_type`", page 4-1 section for details of this data structure.

Party Relationships

For notes related to a party business object (no matter what party type), use only the PARTY type definition. That is, do **not** use:

- PARTY_PERSON
- PARTY_GROUP

- PARTY_RELEATIONSHIP
- PARTY_ORGANIZATION

You must define the note as type PARTY to be able to find, across the entire Oracle E-Business Suite, any note created for a specific party.

Note: It is not necessary to populate the source object into the notes context table. This action is performed automatically by the Notes APIs.

Note Contexts that Relate to a Customer

When a note is created for a source that contains customer information, then the customer information **must** be included as part of the context for that note. This ensures that all notes relating to that customer can be viewed in a single place. To do this, set the value for *p_note_context_type* to PARTY.

Note Contexts that Relate to a Relationship

If a note is created for a source that contains customer information that includes relationship information such as a member of an organization, then it must create three separate instances of *p_jtf_note_contexts_tab* records (discussed in "Record *jtf_note_contexts_rec_type*", page 4-1) that contain the following:

1. Information related to the organization in which the person works.
2. The party identifier for party of type "relationship." Do not use PARTY_RELATIONSHIP, instead use PARTY for the *p_note_context_type* parameter.
3. The party identifier (*party_id*) for the person.

Example of a Party Relationship

The following table lists information needed to specify the relationship of John Doe at Oracle (john.doe@oracle). It is stored in the PARTY tables in the database.

The Relationship of John Doe at Oracle

Party ID	Party Type	Party Name
1000	ORGANIZATION	Oracle
1100	PERSON	John Doe
1200	PARTY_RELATIONSHIP	John.Doe@Oracle

The following table lists the values for the context information needed to specify John.Doe@Oracle. The context business object is the *p_note_context_type* parameter. The context business object identifier is *p_context_type_id*.

Context Information for John Doe at Oracle

p_note_context_type	p_context_type_id
PARTY	1000
PARTY	1100
PARTY	1200

Create_Note

Use the Create_Note API to generate a text note. This API Performs the following tasks:

- It validates the note status, length, type, and ID.
- It creates a note record and writes it to the database.
- It writes any related contexts to the database.

Example Note Parameter Values

The following table lists the input parameters associated with a note that was created and attached to service request 4039. This note was created as a private note, on September 2, 2000.

Note Parameter Value Example

Parameter	Value
p_parent_note_id	NULL
p_jtf_note_id	209
p_source_object_id	4039
p_source_object_code	SR
p_note_status	E
p_entered_by	1000194
p_entered_date	09/02/2000 12:42:22 PM
p_last_update_date	09/02/2000 12:42:22 PM
p_last_updated_by	1000194
p_creation_date	09/02/2000 12:42:22 PM
p_created_by	1000194
p_last_update_login	519018
p_note_type	AS_USER

Procedure Specification

PROCEDURE Create_Note

```
( p_parent_note_id      IN NUMBER DEFAULT NULL,
  p_jtf_note_id         IN NUMBER DEFAULT NULL,
  p_api_version         IN NUMBER,
  p_init_msg_list      IN VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_commit              IN VARCHAR2  DEFAULT FND_API.G_FALSE,
  p_validation_level    IN NUMBER    DEFAULT FND_API.G_VALID_LEVEL
_FULLL,
  x_return_status      OUT VARCHAR2,
  x_msg_count          OUT NUMBER,
  x_msg_data           OUT VARCHAR2,
  p_org_id             IN NUMBER    DEFAULT NULL,
  p_source_object_id   IN NUMBER,
  p_source_object_code IN VARCHAR2,
  p_notes              IN VARCHAR2,
  p_notes_detail       IN VARCHAR2  DEFAULT NULL,
  p_note_status        IN VARCHAR2  DEFAULT 'I',
  p_entered_by        IN NUMBER,
  p_entered_date       IN DATE,
  x_jtf_note_id        OUT NUMBER,
  p_last_update_date   IN DATE,
  p_last_updated_by    IN NUMBER,
  p_creation_date      IN DATE,
  p_created_by         IN NUMBER    DEFAULT FND_GLOBAL.USER_ID,
  p_last_update_login  IN NUMBER    DEFAULT FND_GLOBAL.LOGIN_ID,
  p_attribute1         IN VARCHAR2  DEFAULT NULL,
  p_attribute2         IN VARCHAR2  DEFAULT NULL,
  p_attribute3         IN VARCHAR2  DEFAULT NULL,
```

```

    p_attribute4          IN VARCHAR2 DEFAULT NULL,
    p_attribute5          IN VARCHAR2 DEFAULT NULL,
    p_attribute6          IN VARCHAR2 DEFAULT NULL,
    p_attribute7          IN VARCHAR2 DEFAULT NULL,
    p_attribute8          IN VARCHAR2 DEFAULT NULL,
    p_attribute9          IN VARCHAR2 DEFAULT NULL,
    p_attribute10         IN VARCHAR2 DEFAULT NULL,
    p_attribute11         IN VARCHAR2 DEFAULT NULL,
    p_attribute12         IN VARCHAR2 DEFAULT NULL,
    p_attribute13         IN VARCHAR2 DEFAULT NULL,
    p_attribute14         IN VARCHAR2 DEFAULT NULL,
    p_attribute15         IN VARCHAR2 DEFAULT NULL,
    p_context             IN VARCHAR2 DEFAULT NULL,
    p_note_type           IN VARCHAR2 DEFAULT NULL,
    p_jtf_note_contexts_tab IN jtf_note_contexts_tbl_type
    DEFAULT jtf_note_contexts_tab_dflt
);

```

Current Version

1.0

Parameter Descriptions

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

Create_Note IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_parent_note_id	NUMBER	No	Identifier of the parent note, if any.
p_jtf_note_id	NUMBER	No	Note identifier; this must be unique, if it is not, an error is raised. You must use the JTF_NOTES_S sequence to generate valid values.
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_validation_level	NUMBER	No	This values determines whether validation should occur or not. This variable is checked against FND_API.G_VALID_LEVEL_NONE and if it is greater than the latter, validation occurs.
p_org_id	NUMBER	No	An identifier for the organization.
p_source_object_id	NUMBER	No	Dependent on parameter p_source_object_code; for example, if the source business object is a service request, this is the service request number. See "Note Source and Note Context", page 4-2 section for more details.

Parameter	Data Type	Required	Descriptions and Validations
p_source_object_code	VARCHAR2	No	The source business object for the note; for example, this could be TASK if the source object is a task, or ESC if the source object is an escalated document. See "Note Source and Note Context", page 4-2 section for more details.
p_notes	VARCHAR2	Yes	The actual note text, passed from the source application.
p_notes_detail	VARCHAR2	No	This parameter is used to store larger notes of up to 32k.
p_notes_status	VARCHAR2	No	Indicates the status of the note. Choices are: <ul style="list-style-type: none"> • Private (E) • Internal (I) • Publish (P) This value must be either E, I, or P. If it is not, an error is raised. If none is provided, I is used.
p_entered_by	NUMBER	Yes	Identifies the Oracle Applications user who entered this record. If a valid user identifier is not provided, an error is raised.
p_entered_date	DATE	Yes	The date that the record was entered. If not provided, SYSDATE is used.
p_last_update_date	DATE	Yes	The date that this record was last updated. If not provided, SYSDATE is used.

Parameter	Data Type	Required	Descriptions and Validations
p_last_updated_by	NUMBER	No	Identifies the Oracle Applications user who last updated this record.
p_creation_date	DATE	Yes	The date on which this note was first created. If not provided, SYSDATE is used.
p_created_by	NUMBER	No	Identifies the Oracle Applications user who first created this record.
p_last_update_login	NUMBER	No	Identifies the login session of the Oracle Applications user that last updated the note.
p_attribute1	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute2	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute3	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute4	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute5	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute6	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute7	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute8	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute9	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute10	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute11	VARCHAR2	No	Descriptive Flexfield Segment

Parameter	Data Type	Required	Descriptions and Validations
p_attribute12	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute13	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute14	VARCHAR2	No	Descriptive Flexfield Segment
p_attribute15	VARCHAR2	No	Descriptive Flexfield Segment
p_context	VARCHAR2	No	This is a short description field.
p_note_type	VARCHAR2	No	The type of note, based on the source business object; for example, this could be SR_PROBLEM, if the note concerns a service request problem. If this value is not valid, an error is raised.
p_jtf_note_contexts_ tab	jtf_note_contexts_tbl_ type	No	Table of PL/SQL records used to specify the note context. See "Note Source and Note Context", page 4-2 and "Messages and Notifications", page 4-16 sections for more details.

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

Create_Note OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_jtf_note_id	NUMBER	The unique note identifier. This value is the same as p_jtf_note_id.

Update_Note

Use the Update_Note API to modify an existing text note. This API Performs the following tasks:

- Validates the note status, length, type, and ID.
- It update an existing note record and replaces the existing version in the database with the modified version.
- It updates any related context information in the database, if necessary.

Procedure Specification

PROCEDURE Update_note


```

( p_api_version      IN  NUMBER,

  p_init_msg_list    IN  VARCHAR2 DEFAULT fnd_api.g_false,

  p_commit           IN  VARCHAR2 DEFAULT fnd_api.g_false,

  p_validation_level IN  NUMBER   DEFAULT fnd_api.g_valid_level_
full,

  x_return_status    OUT VARCHAR2,

  x_msg_count        OUT NUMBER,

  x_msg_data         OUT VARCHAR2,

  p_jtf_note_id      IN  NUMBER,

  p_entered_by       IN  NUMBER,

  p_last_updated_by  IN  NUMBER,

  p_last_update_date IN  DATE      DEFAULT Sysdate,

  p_last_update_login IN NUMBER   DEFAULT NULL,

  p_notes            IN  VARCHAR2 DEFAULT fnd_api.g_miss_char,

  p_notes_detail     IN  VARCHAR2 DEFAULT fnd_api.g_miss_char,

  p_append_flag      IN  VARCHAR2 DEFAULT fnd_api.g_miss_char,

  p_note_status      IN  VARCHAR2 DEFAULT 'I',

  p_note_type        IN  VARCHAR2 DEFAULT fnd_api.g_miss_char,

  p_jtf_note_contexts_tab IN jtf_note_contexts_tbl_type

                                                                    DEFAULT jtf_note_contexts_tab_df

lt

);

```

Current Version

1.0

Parameter Descriptions

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

Update_Note IN Parameters

Parameter	Data Type	Required	Descriptions and Validations
p_api_version	NUMBER	Yes	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_init_msg_list	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_commit	VARCHAR2	No	See "Standard IN Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
p_validation_level	NUMBER	No	This value determines whether validation should occur or not. The variable is checked against FND_API.G_VALID_LEVEL_NONE and if it is greater than the latter, validation is performed.
p_jtf_note_id	NUMBER	Yes	Note identifier; this must be unique, if it is not, an error is raised. You must use the JTF_NOTES_S sequence to generate valid values.
p_entered_by	NUMBER	Yes	This is employee ID of the person who entered the note.
p_last_updated_by	NUMBER	Yes	Corresponds to the column USER_ID in the table FND_USER, and identifies the Oracle Applications user who updated this record.
p_last_update_date	DATE	No	The date on which this record was updated.

Parameter	Data Type	Required	Descriptions and Validations
p_last_update_login	NUMBER	No	Corresponds to the column LOGIN_ID in the table FND_LOGINS, and identifies the login session of the user.
p_notes	VARCHAR2	No	The updated note text.
p_notes_detail	VARCHAR2	No	Used to create larger notes of up to 32K. If p_append_flag is set to Yes, then p_notes_detail is appended to p_notes.
p_append_flag	VARCHAR2	No	<p>Boolean value: Used to specify if p_notes_detail is to be appended to the existing p_notes_detail:</p> <ul style="list-style-type: none"> • TRUE: Append p_notes_detail to p_notes_detail. • FALSE: Do not append p_notes_detail to p_notes_detail.
p_note_status	VARCHAR2	No	<p>Indicates the status of the note. Choices are:</p> <ul style="list-style-type: none"> • Private • Internal (Default) • Publish <p>Note that only the owner of the note can update the Private status of a note. The owner of the note is defined by the p_entered_by parameter.</p>

Parameter	Data Type	Required	Descriptions and Validations
p_note_type	VARCHAR2	No	This value must be one of the note types defined as lookup codes for JTF_NOTE_TYPE.
p_jtf_note_contexts_tab	jtf_note_contexts_tbl_type	No	Table of PL/SQL records to specify the note context. See "Note Source and Note Context", page 4-2 and "Messages and Notifications", page 4-16 sections for more details.

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

Update_Note OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_count	NUMBER	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .
x_msg_data	VARCHAR2	See "Standard OUT Parameters", <i>Oracle Common Application Component API Reference Guide</i> .

Messages and Notifications

The APIs contained in package JTF_NOTES_PUB generate messages and notifications as needed.

Note: Status notifications are not required to provide a number identifier along with the message, although, in many cases, it is provided.

JTF_NOTES_PUB

The following table lists the messages and notifications generated by the Create_Note and Update_Note APIs.

Create_Note and Update_Note Messages

Type	Name	Text
E	JTF_API_ERR_PRE_CUST_USR_HK	API Programming Error (&API_NAME): Returned Error Status from the Pre Customer User Hook.
E	JTF_API_ERR_PRE_VERT_USR_HK	API Programming Error (&API_NAME): Returned Error Status from the Pre Vertical User Hook.
E	JTF_API_ERR_POST_CUST_USR_HK	API Programming Error (&API_NAME): Returned Error Status from the Post Customer User Hook.
E	JTF_API_ERR_POST_VERT_USR_HK	API Programming Error (&API_NAME): Returned Error Status from the Post Vertical User Hook.
E	JTF_API_ALL_INVALID_ARGUMENT	API Programming Error (&API_NAME): The value of "&VALUE" for &PARAMETER is invalid.
E	JTF_API_ALL_MISSING_PARAM	API Programming Error (&API_NAME): Parameter &MISSING_PARAM is required and was not passed in.
E	JTF_API_ALL_NULL_PARAMETER	API Programming Error (&API_NAME): The value of &NULL_PARAM cannot be NULL.
E	JTF_API_ALL_VALUE_TRUNCATED	API Programming Warning (&API_NAME): The parameter &TRUNCATED_PARAM was truncated because the character value (&VAL_LEN) is longer than the defined width of the VARCHAR2 column (&DB_LEN).

Sample Code

This section contains SQL scripts that call the Notes public APIs contained in the JTF_NOTES_PUB package and insert values as required.

Package JTF_NOTES_PUB

The SQL scripts in this section create and update a note by calling the Create_Note and Update_Note APIs in succession and by providing them with the required values.

Create_Note

This script calls the Create_Note API and creates a note with the following information:

- Source object ID: 151263
- Source object: Task Manager
- Note status: Publish
- Note type: General
- Note text: These are the directions to my office

DECLARE

```
l_api_version          NUMBER;  
  
l_init_msg_list       VARCHAR2(1);  
  
l_validation_level    NUMBER;  
  
l_commit              VARCHAR2(1);  
  
l_return_status       VARCHAR2(1);  
  
l_msg_count           NUMBER;  
  
l_msg_data            VARCHAR2(2000);  
  
l_jtf_note_id         NUMBER;  
  
l_source_object_id    NUMBER;  
  
l_source_object_code  VARCHAR2(8);  
  
l_note_status         VARCHAR2(8);  
  
l_note_type           VARCHAR2(80);  
  
l_notes               VARCHAR2(2000);  
  
l_notes_detail       VARCHAR2(8000);
```

```

l_last_update_date    DATE;

l_last_updated_by     NUMBER;

l_creation_date       DATE;

l_created_by          NUMBER;

l_last_update_login   NUMBER;

l_entered_by          NUMBER;

l_entered_date        DATE;

l_note_contexts       JTF_NOTES_PUB.jtf_note_contexts_tbl_type;

l_msg_index           NUMBER;

l_msg_index_out       NUMBER;

```

```

BEGIN

```

```

-- Initialize the Notes parameters you want to create

```

```

l_api_version         := 1.0;

l_init_msg_list       := FND_API.g_true;

l_validation_level    := FND_API.g_valid_level_full;

l_commit              := FND_API.g_true;

l_msg_count           := 0;

l_source_object_id    := 151263;

```

```

l_source_object_code := 'TASK';

l_note_status        := 'P';

l_note_type          := 'GENERAL';

l_notes              := 'These are the directions to my office
';

l_notes_detail       := 'These are the directions to my office
';

l_entered_by         := FND_GLOBAL.user_id;

l_entered_date       := SYSDATE;

-- Initialize Who columns

l_last_update_date  := SYSDATE;

l_last_updated_by   := FND_GLOBAL.USER_ID;

l_creation_date     := SYSDATE;

l_created_by        := FND_GLOBAL.USER_ID;

l_last_update_login:= FND_GLOBAL.LOGIN_ID;

-- Initialize the Notes Context parameters (optional)

l_note_contexts(1).note_context_type    := 'SR';

l_note_contexts(1).note_context_type_id := 1;

l_note_contexts(1).last_update_date     := SYSDATE;

l_note_contexts(1).last_updated_by      := FND_GLOBAL.USER_ID;

```



```

l_note_contexts(1).creation_date      := SYSDATE;

l_note_contexts(1).created_by        := FND_GLOBAL.USER_ID;

l_note_contexts(1).last_update_login := FND_GLOBAL.LOGIN_ID;

l_note_contexts(2).note_context_type := 'TASK';

l_note_contexts(2).note_context_type_id := 151149;

l_note_contexts(2).last_update_date  := SYSDATE;

l_note_contexts(2).last_updated_by   := FND_GLOBAL.USER_ID;

l_note_contexts(2).creation_date     := SYSDATE;

l_note_contexts(2).created_by        := FND_GLOBAL.USER_ID;

l_note_contexts(2).last_update_login := FND_GLOBAL.LOGIN_ID;

-- Call the API

jtf_notes_pub.Create_note

( p_api_version      => l_api_version,

  p_init_msg_list    => l_init_msg_list,

  p_commit           => l_commit,

  p_validation_level => l_validation_level,

  x_return_status    => l_return_status,

  x_msg_count        => l_msg_count,

```

```

x_msg_data          => l_msg_data,

p_jtf_note_id      => l_jtf_note_id,

p_entered_by       => l_entered_by,

p_entered_date     => l_entered_date,

p_source_object_id => l_source_object_id,

p_source_object_code => l_source_object_code,

p_notes            => l_notes,

p_notes_detail     => l_notes_detail,

p_note_type        => l_note_type,

p_note_status      => l_note_status,

p_jtf_note_contexts_tab => l_note_contexts,

x_jtf_note_id      => l_jtf_note_id,

p_last_update_date => l_last_update_date,

p_last_updated_by  => l_last_updated_by,

p_creation_date    => l_creation_date,

p_created_by       => l_created_by,

p_last_update_login => l_last_update_login

);

```

```

-- Check for errors

IF (fnd_msg_pub.count_msg > 0)

THEN

    FOR i IN 1..fnd_msg_pub.count_msg

    LOOP

        fnd_msg_pub.get

        ( p_msg_index      => i,

          p_encoded        => 'F',

          p_data           => l_msg_data,

          p_msg_index_out => l_msg_index_out

        );

        DBMS_OUTPUT.PUT_LINE('API ERROR: ' || l_msg_data);

    END LOOP;

ELSE

        DBMS_OUTPUT.PUT_LINE('Created note : ' || to_char(l_jtf_note_
id));

    END IF;

END;

```

Update_Note

This script calls the Update_Note API and updates the previously created note with the following values:

- Note status: E (Private)
- Note type: Call Back

DECLARE

```
l_api_version          NUMBER;  
  
l_init_msg_list      VARCHAR2(1);  
  
l_validation_level   NUMBER;  
  
l_commit             VARCHAR2(1);  
  
l_return_status     VARCHAR2(1);  
  
l_msg_count          NUMBER;  
  
l_msg_data           VARCHAR2(2000);  
  
l_jtf_note_id        NUMBER;  
  
l_note_status        VARCHAR2(8);  
  
l_note_type          VARCHAR2(80);  
  
l_notes              VARCHAR2(2000);  
  
l_notes_detail      VARCHAR2(32000);  
  
l_append_flag        VARCHAR2(1);  
  
l_last_update_date   DATE;  
  
l_last_updated_by    NUMBER;
```

```

l_last_update_login    NUMBER;

l_entered_by           NUMBER;

l_note_contexts        JTF_NOTES_PUB.jtf_note_contexts_tbl_type;

l_msg_index            NUMBER;

l_msg_index_out        NUMBER;

BEGIN

-- Initialize the API

l_api_version          := 1.0;

l_init_msg_list        := FND_API.g_true;

l_validation_level     := FND_API.g_valid_level_full;

l_commit               := FND_API.g_true;

l_msg_count            := 0;

-- Initialize Notes parameters you want to update

l_jtf_note_id          := 151263;

l_note_status          := 'E';

l_note_type            := 'Call Back';

l_notes                := 'These are the directions to my office
';

```

```

l_notes_detail      := 'These are the directions to my office
';

l_entered_by        := FND_GLOBAL.user_id;

-- Initialize Who columns

l_last_update_date := SYSDATE;

l_last_updated_by  := FND_GLOBAL.USER_ID;

l_last_update_login:= FND_GLOBAL.LOGIN_ID;

-- Initialize the Notes Context parameters (optional)

l_note_contexts(1).jtf_note_id      := 151263;

l_note_contexts(1).note_context_id  := 151149;

l_note_contexts(1).note_context_type := 'SR';

l_note_contexts(1).note_context_type_id := 1;

l_note_contexts(1).last_update_date := SYSDATE;

l_note_contexts(1).last_updated_by  := FND_GLOBAL.USER_ID;

l_note_contexts(1).last_update_login := FND_GLOBAL.LOGIN_ID;

l_note_contexts(2).jtf_note_id      := 151263;

l_note_contexts(2).note_context_id  := 151149;

l_note_contexts(2).note_context_type := 'TASK';

l_note_contexts(2).note_context_type_id := 151149;

```

```

l_note_contexts(2).last_update_date      := SYSDATE;

l_note_contexts(2).last_updated_by      := FND_GLOBAL.USER_ID;

l_note_contexts(2).last_update_login    := FND_GLOBAL.LOGIN_ID;

-- Call the API

jtf_notes_pub.Update_note

( p_api_version          => l_api_version,

  p_init_msg_list       => l_init_msg_list,

  p_commit              => l_commit,

  p_validation_level    => l_validation_level,

  x_return_status       => l_return_status,

  x_msg_count           => l_msg_count,

  x_msg_data            => l_msg_data,

  p_jtf_note_id        => l_jtf_note_id,

  p_entered_by         => l_entered_by,

  p_notes               => l_notes,

  p_notes_detail       => l_notes_detail,

  p_append_flag         => l_append_flag,

  p_note_type          => l_note_type,

```

```

    p_note_status          => l_note_status,

    p_last_update_date    => l_last_update_date,

    p_last_updated_by     => l_last_updated_by,

    p_last_update_login   => l_last_update_login,

    p_jtf_note_contexts_tab => l_note_contexts

);

-- Check for errors

IF (fnd_msg_pub.count_msg > 0)

THEN

    FOR i IN 1..fnd_msg_pub.count_msg

    LOOP

        fnd_msg_pub.get

        ( p_msg_index      => i,

          p_encoded        => 'F',

          p_data           => l_msg_data,

          p_msg_index_out => l_msg_index_out

        );

        DBMS_OUTPUT.PUT_LINE('API ERROR: ' || l_msg_data);

```



```
END LOOP;
```

```
ELSE
```

```
DBMS_OUTPUT.PUT_LINE('Updated note : ' || to_char(l_jtf_note_  
id));
```

```
END IF;
```

```
END;
```

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