

ERP- Oracle Apps

Lesson 5: User profiles

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Lesson Objectives

- Overview.
- Steps to create user profile.
- Setting Profile Option Values.
- Profile Levels.
- User Profile APIs
- Summary.
- Review Questions.



Overview of User Profiles

- A user profile is a set of changeable options that affects the way your applications run.
- Each profile option has an associated value
- Your user can change the value of profile options at any time
- AOL provides many predefined profile options that users can set
- Developers can also define their own profile options

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When we buy a product, we expect some flexibility in using the product.

For example we do not want to buy a separate iron box for each type of cloth. We would like the same box to operate differently with each type of cloth, by using some switches/settings.

ERPs are designed to be used by various industries/customers. Each customer might want a specific functionality to work in a different way.

There might be some settings which are specific to a user or group of users. To address most of these requirements, Oracle Applications provides 'Profiles'.

A user profile is a set of changeable options that affects the way your applications run. Oracle Application Object Library establishes a value for each option in a user's profile when the user logs on or changes responsibility.

Users can change the value of profile options at any time. Oracle Application Object Library provides many predefined options that users can set to alter the user interface of applications to satisfy individual preferences.

user profile options you define are indistinguishable from those Oracle Application Object Library provides.

Profiles - Example

The screenshot displays the 'Profiles' window in the Oracle Applications interface. The window is titled 'Profiles' and has a menu bar with 'File', 'Edit', 'View', 'Format', 'Tools', 'Window', and 'Help'. The main content area is divided into several sections:

- Name:** ICMALLOWNEGINV
- Application:** Process Manufacturing Systems
- User Profile Name:** GMR: Allow Negative Inventory
- Description:** allow neg inventory
- Active Dates:** Start: 30 JAN 1998, End: (blank)
- SQL Validation:**

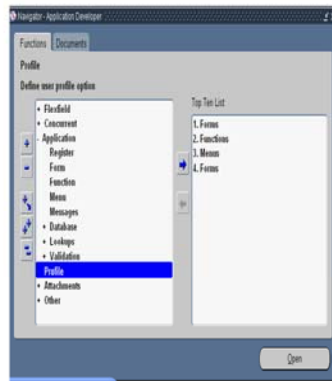
```
INTO :VISIBLE_OPTION_VALUE, :PROFILE_OPTION_VALUE
FROM GEM_LOOKUPS
WHERE LOOKUP_TYPE = 'GMR_ALLOW_NEG_INV'
ORDER BY LOOKUP_CODE"
TITLE="Allow Negative Inventory?"
```
- Hierarchy Type:** Security
- Hierarchy Type Access Level:** Visible (checked), Updatable (unchecked)
- User Access:** Visible (checked), Updatable (unchecked)
- Program Access:** Visible (checked), Updatable (unchecked)
- Open:** (button)

The bottom of the window shows a status bar with the text 'August 16, 2016 Proprietary and Confidential --g x' and the IGate logo.

Shows the entire user profile level options.

Steps to create a User Profile

- Switch to Application Developer
- Select Profile



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In the 1st step switch to application developer and select the profile option.

Steps to create a User Profile (Contd.)

- Create a new profile
- Select the application
- Set values for the other options

In this step create new user profile and also select the application name .The application name will come in lov choose in that which the user need.if the user wants to add description for reference he can add it.

You identify a profile option by application name and profile option name.

Name

The profile option name must be unique so that different profile options do not conflict. This is the name you use when you access your profile option using the Oracle Application Object Library profile option routines.

Application

Normally, you enter the name of the application you are building.

User Profile Name

This is the name your users see as their profile option, so it should be short but descriptive.

Description

Provide a better explanation of the content or purpose of this profile option. This description appears in a window with User Profile Name when a user or system administrator chooses profile options to set Values.

Steps to create a User Profile Contd.. Profile Option with LOV

If you want your profile option to provide a list of values (LOV) when the system administrator or user sets profile options, you must use the SQL Validation field.

The screenshot shows the 'Profiles' form in Oracle. The 'Name' field is 'DISPLAY_EMP_SAL', 'Application' is 'Oracle General Ledger', 'User Profile Name' is 'Display Employee Salary', and 'Description' is 'Display Employee Salary'. The 'Active Dates' section shows 'Start' as 17-OCT-2005 and 'End' as blank. The 'SQL Validation' field contains the following text:

```
SQL=SELECT MEANING "Display Employee Salary", LOOKUP_CODE
      into :visible_option_value,
      :profile_option_value
      from fnd_lookups
      where lookup_type = 'YES_NO'
      AND MEANING="Display Employee Salary" AND
```

Below the SQL field, there are sections for 'User Access' and 'System Administrator Access'. The 'User Access' section has 'Visible' and 'Updatable' checked. The 'System Administrator Access' section has 'Visible' and 'Updatable' checked, with 'Site', 'Application', 'Responsibility', and 'User' all checked under the 'Updatable' column.

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Start Date/End Date

Enter the dates on which the profile option becomes active/inactive. The start date defaults to the current date, and if the end date is not entered, the option will be effective indefinitely. You cannot delete a user profile option, but you can disable it. Enter the current date if you want to disable the user profile option. If you wish to reactivate a disabled profile option, change the End Date to a date after the current date.

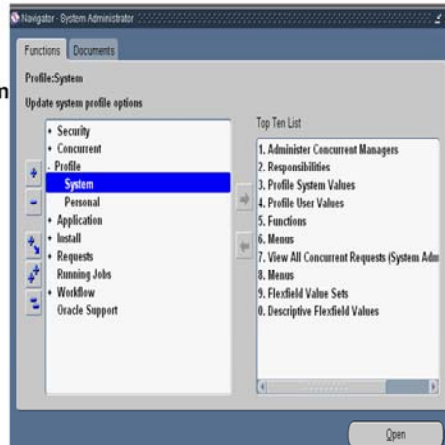
SQL Validation

If you want your profile option to provide a list of values (LOV) when the system administrator or user sets profile options, you must use A SELECT st. in the SQL Validation field.

A SELECT statement selects the rows to display in your LOV. In the SQL statement you can specify column aliases, use an INTO clause to put values into form fields, display database values without selecting them into form fields (by selecting values INTO NULL), and mix values to put into form fields with display only values in the same INTO clause.

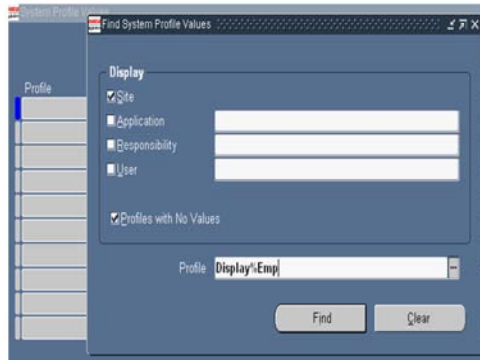
Steps to create a User Profile (Contd.)

- Switch to System Administrator
- Select Profile -> System



Steps to create a User Profile (Contd.)

- Query the profile just created in the Find System Profile Values
- The Site option is checked by default
- Click on Find



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Query the profile just created in the Find System Profile Values
The Site option is checked by default
Click on Find

You can define options at one or more of four levels:

Site,
Application,
Responsibility
User.

For example, you have a site-level Printer option, an application-level Printer option, etc.

Site Level

Site is the lowest user profile level. Site-level option values affect the way all applications run at a given installation.

Application Level

Application is the user profile level immediately above Site. Application-level option values affect the way a particular application runs. For example, you might define a user profile option to determine which subset of the organization's data your end user sees.

Responsibility Level

Responsibility is the user profile level immediately above Application. Responsibility-level option values affect the way applications run for all users of a responsibility.

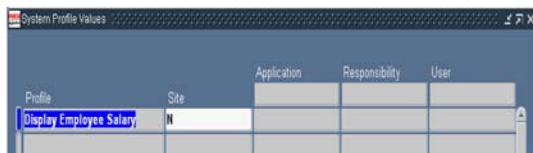
User Level

User is the highest user profile level and is immediately above Responsibility. User-level option values affect the way applications run for an application user.

For example, for a given end user, assume the Printer option is set only at the Site and Responsibility levels. When the end user logs on, the Printer option assumes the value set at the Responsibility level, since it is the highest-level setting for the option.

Steps to create a User Profile (Contd.)

- Enter Profile Option values for Site level



| Profile | Site | Application | Responsibility | User |
|-------------------------|------|-------------|----------------|------|
| Display Employee Salary | N | | | |
| | | | | |

Enter Profile Option values for Site level, which will take as N for site level.

Steps to create a User Profile (Contd.)

➤ If Profile Option values are to be set at User level, query on the profile created and select the User option and enter the name of the user as shown

The screenshot shows two overlapping Oracle application windows. The background window is titled 'System Profile Values' and contains a table with columns: Profile, Site, Application, Responsibility, and User. The 'Profile' column has the value 'Display Employee Salary'. The 'User' column has the value 'OPERATIONS'. The foreground window is titled 'Find System P' and contains a 'Display' section with checkboxes for 'Site', 'Application', 'Responsibility', 'User', and 'Profiles with No Values'. The 'User' checkbox is checked. Below the checkboxes is a text field containing 'Display\Emp%'. At the bottom of the foreground window are 'Find' and 'Clear' buttons. The IGate logo is visible in the bottom right corner of the slide.

If Profile Option values are to be set at User level, query on the profile created and select the User option and enter the name of the user as shown.

Steps to create a User Profile (Contd.)

➤ If Profile Option values are to be set at Responsibility level, query on the profile created and select the Responsibility option and enter the name of the Responsibility as shown

Find System Profile Values

Display

☒ Site

☐ Application

☒ Responsibility

☐ User

☒ Profiles with No Values

General Ledger, Vision Operations (USA)

OPERATIONS

Profile Display%Emp%

System Profile Values

| Profile | Site | Application | Responsibility | User |
|-------------------------|------|-------------|-------------------|------|
| Display Employee Salary | N | | General Ledger, V | |

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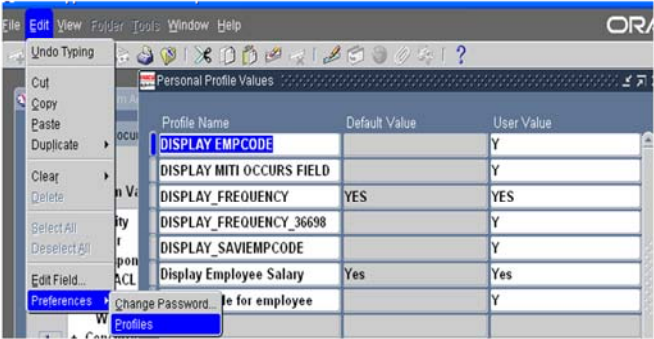
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If Profile Option values are to be set at Responsibility level, query on the profile created and select the Responsibility option and enter the name of the Responsibility as shown .

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Edit - Profiles

➤ To view all profiles, select Edit -> Profiles



| Profile Name | Default Value | User Value |
|-----------------------------------|---------------|------------|
| DISPLAY_EMPCODE | | Y |
| DISPLAY_MITI_OCCURS_FIELD | | Y |
| DISPLAY_FREQUENCY | YES | YES |
| DISPLAY_FREQUENCY_36698 | | Y |
| DISPLAY_SAVIEMPCODE | | Y |
| Display Employee Salary | Yes | Yes |
| Change Password...le for employee | | Y |

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To see all the profiles go to edit in that see preferences u will find the profile.

Profile Levels

- Site Level - Site is the lowest user profile level. Site-level option values affect the way all applications run at a given installation.
- Server Level - This is used when the system needs to determine the server on which the user's session is running. This is immediately above the site level in Server hierarchy.
- Organization Level - Organization refers to operating unit. All users within that organization will use the profile option value set once at the organization level. This is immediately above the site level in Organization hierarchy

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Profile Levels

- Application Level - Application is the user profile level immediately above Site in security hierarchy. Application-level option values affect the way a particular application runs.
- Responsibility Level - Responsibility is the user profile level immediately above Application in Security hierarchy. This option values affect the way applications run for all users of a responsibility.
- User Level - User is the highest user profile level in all hierarchy types. This option values affect the way applications run for an application user.


Predefined Profile Levels

- Oracle Application Object Library also provides a set of profile options that you can access via the user profile routines.
- You can retrieve values for these profile options in your forms and programs.
EX: user_id, org_id
Refer to developers guide for complete list of the predefined profile options.

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User Profile APIs

- You can use user profile routines to manipulate the option values stored in client and server user profile caches
- On the client, a single user profile cache is shared by multiple form sessions. Thus, when Form A and Form B are both running on a single client, any changes Form A makes to the client's user profile cache affect Form B's run-time environment, and vice versa
- On the server, each form session has its own user profile cache. Thus, even if Form A and Form B are running on the same client, they have separate server profile caches. Server profile values changed from Form A's session do not affect Form B's session, and vice versa

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Any changes you make to profile option values using these routines affect only the run-time environment. The effect of these settings ends when the program ends, because the database session (which holds the profile cache) is terminated. To change the default profile option values stored in the database, you must use the User Profiles form.

User Profile APIs (Contd.)

FND_PROFILE.GET

procedure FND_PROFILE.GET

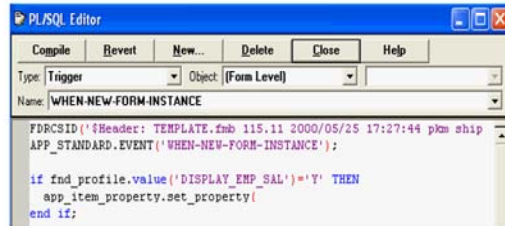
(name IN varchar2,
value OUT varchar2);

Example :

```
FND_PROFILE.GET
('USER_ID', user_id);
```

function FND_PROFILE.VALUE

(name IN varchar2) return
varchar2



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FND_PROFILE.GET

FNDSQL library and database (stored procedure)

Gets the current value of the specified user profile option, or NULL if the profile does not exist

All GET operations are satisfied locally—*in other words*, a GET on the server is satisfied from the server-side cache, and a GET on the client is satisfied from the client-side cache.

FND_PROFILE.VALUE

FNDSQL library and database (stored function)

VALUE works exactly like GET, except it returns the value of the specified profile option as a function result.

Arguments (input)


Name : The (developer) name of the profile option whose value you want to retrieve.

Arguments (output)

Value : The current value of the specified user profile option as last set by PUT or as defaulted in the current user's profile.

Demo

Create a User profile.



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Summary

In this session we covered:

- Overview.
- Definition of user profile.
- Hierarchy type.
- Setting Profile Option Values.
- Profile Levels.
- User Profile APIs.
- Steps to create user profile



Review Question

- **Question 3: Responsibility determines the operating unit that you access when you use Oracle Applications.**
 - True/False

- **Question 4: The first step involved in setting up a Multiple Organization Enterprise is to**
 - Define set of books
 - Develop Organization Structure
 - Define organization Relationships
 - Define locations

