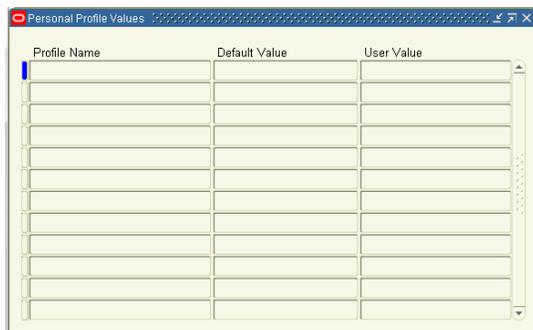


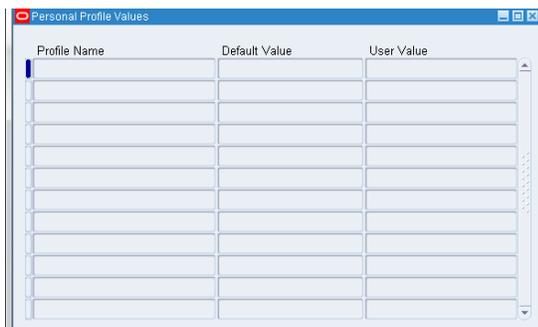
## Risks and Controls related to User Profile Values

**Background:** Oracle provides a form to allow users to maintain certain profile options. The form is called “Personal Profile Values” and the function is “Profile User Values”. Here is an 11i screen shot of the form:



Profile Name	Default Value	User Value

And an R12 version of the same form:



Profile Name	Default Value	User Value

This form allows an application user to set profile options where they can be set at the user level. Setting a profile option at the user level overrides any values set at ‘higher’ levels – Site, Application and Responsibility levels.

Here is a screen shot of the form where Profile Options are defined (via Application Developer responsibility):

Hierarchy Type	Visible	Updatable
Site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Application	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Responsibility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Server	<input type="checkbox"/>	<input type="checkbox"/>
Server+Responsibility	<input type="checkbox"/>	<input type="checkbox"/>
Organization	<input type="checkbox"/>	<input type="checkbox"/>
User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The profile option above (Account Generator:Run in Debug Mode) is defined to allow it to be overridden by a user in the Personal Profile Values form.

I queried a 12.1.3 environment and noted that there are 8, 485 different profile options (see screen shot below). While not all of these allow users to override the value at the User level through the Personal Profile Values form, there are likely thousands of profile options that provide a user the ability to override a profile value.

Hierarchy Type	Visible	Updatable
Site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Application	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Responsibility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Server	<input type="checkbox"/>	<input type="checkbox"/>
Server+Responsibility	<input type="checkbox"/>	<input type="checkbox"/>
Organization	<input type="checkbox"/>	<input type="checkbox"/>
User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Here are some examples of profile options that typically organizations wouldn't allow users to override:

Account Generator:Run in Debug Mode, Account Generator:Purge Runtime Data. In the 12.1.3 test environment, I scrolled through the Define Profile Options form and found hundreds, if not thousands of profile options that could be maintained by the user. Unless a thorough analysis is done on each of these that can be set at the User level through the User Profile Values form, it is prudent to restrict access to this form.

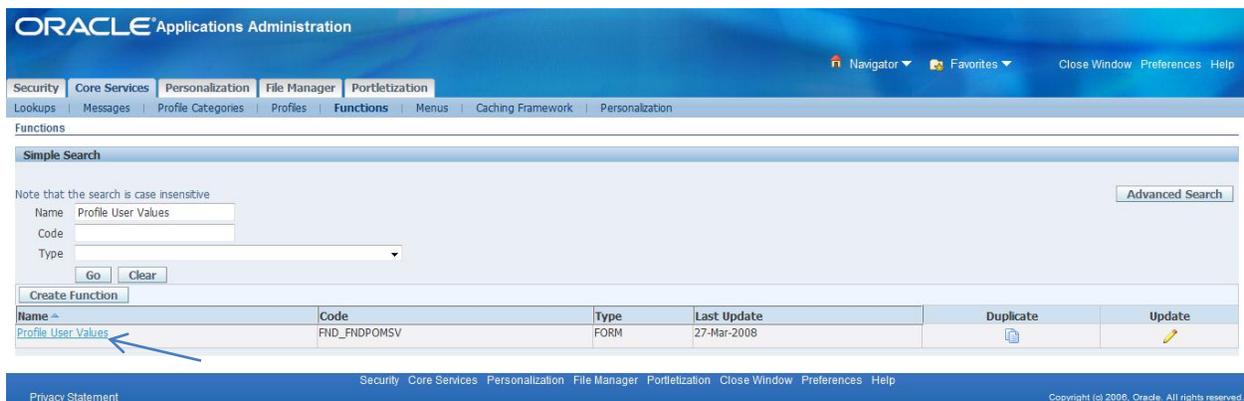
**Recommendations:** Based on the risks associated with users having the ability to override these values, we do NOT recommend this form be accessible by users. All changes to profile options should go through a centralized process. Because many of the profile options could have a significant impact on key controls and/or are critical to the design of the application, we recommend that most profile options go through a formal IT change management process. The assumption should be that all profile options go through a formal IT change management process other than those that have been specifically exempted from the policy. Some examples of low-impact profile options that may be exempted from the change management process are: Java Color Scheme, Printer, and Concurrent:Report Copies. Only those profile options that have been properly evaluated with respect to their risk and that management has deemed the risk to be tolerable should be exempted from being required to go through the change management process.

**Remediation:** If your organization uses R12, Oracle has (finally) provided a way to identify which responsibilities have access to this function. Here are the details...

Responsibility: Functional Administrator

Navigation: Core Services -> Functions

Query on the Name "Profile User Values" and you will receive this screen:



The screenshot shows the Oracle Applications Administration interface. The top navigation bar includes "ORACLE Applications Administration" and various menu items like "Security", "Core Services", "Personalization", "File Manager", and "Portletization". The "Functions" menu is selected, leading to a search page. The search criteria are: Name: Profile User Values, Code: (empty), Type: (dropdown menu). The search results table is as follows:

Name	Code	Type	Last Update	Duplicate	Update
Profile User Values	FND_RNDPOMSV	FORM	27-Mar-2008		

Click on the Profile User Values link and you will receive this screen:

The screenshot shows the Oracle Applications Administration interface. The breadcrumb trail is: Core Services > Functions > Function: FND\_FNDPOMSV. The main content area displays the details for the 'Profile User Values' form. The 'Details' tab is selected, and the 'Menu' sub-tab is highlighted with a blue arrow. The form details include:

- Name: Profile User Values
- Code: FND\_FNDPOMSV
- Description: Profile User Values Form
- Type: FORM
- Maintenance Mode Support: NONE
- Context Dependence: RESP

Below the details, the 'Form' section shows the Form Name as 'Update Personal Profile Values' and the Application Name as 'Application Object Library'. There are 'Duplicate', 'Update', and 'Delete' buttons at the top right and bottom right of the details section.

Click on the Menus tab and you will receive this information:

The screenshot shows the Oracle Applications Administration interface with the 'Menus' tab selected. The breadcrumb trail is: Core Services > Functions > Function: FND\_FNDPOMSV. The main content area displays a list of menus that contain this function. The list is paginated, showing 10 items per page. The list includes the following entries:

Prompt	Menu
Profile	JL_BR_S_OTHERS_GUI
Profiles	QP_SETUPS
Profiles	AX_Cost_Setup
Profile Options	AX_Control_Receivables
User Profile Options	F4_Fad_HR_Other
User Profile Options	CA_HR_OTHER_DEF
User Profiles	PH_SETUP_OPTIONS_SUBMENU
Profile Options	Application_FC_Others_Menu
Profile Options	Application_MRP_Others_Menu
Profile Options	OPM_Application_GRP_Others_Menu

There are 'Duplicate', 'Update', and 'Delete' buttons at the bottom right of the list.

This provides you with the menus that contain this function. In this 12.1.2 environment (public domain environment hosted by [Soluton Beacon](#) – thanks to SB!!!) there are 194 menus that contain this function. Note that this query does not show the main or top-level menus that contain these submenus so further research would be needed to determine how to remove access to these functions from end users if you decide to remove access to this function rather than personalizing the form.

**Contact:** Feel free to contact the author, Jeffrey T. Hare, CPA CISA CIA, at [jhare@erpra.net](mailto:jhare@erpra.net) with further questions or comments related to this subject.