

R12.2 FlexField Value Set Security

How to take advantage of this new feature

John Peters

Principal Consultant
JRPJR, Inc

john.peters@jrpjr.com

<http://www.jrpjr.com>

FlexField value set security is a new feature in R12.2.2 that allows you to determine which roles can access which value set values. This allows you delegate GL Value Set Value maintenance to one set of functional users, while allowing Item Category Value Set Values to be maintained by another. Often people just take the slam dunk approach of assigning the role 'FlexField Value Set Security: All privileges', allowing a user access to all value sets. We will also discuss the use of the wizard 'FlexField Value Sets: Security Administration Setup'.

- This is just an introduction to the topic
- The Oracle EBS Manual has 41 pages devoted to this topic
- Just trying to identify some decision points you should consider
- I only have 50 minutes, leaving 10 minutes for Q&A
- Do this in a non-PROD instance first for a few business areas, see what naming conventions and access conventions you will want to use at your company

The background features several thin, light blue lines that create a sense of depth and movement. These lines are composed of straight segments connected by sharp angles, forming a series of overlapping, stepped paths that generally trend from the top right towards the bottom left. The lines vary in length and orientation, some running parallel to each other while others intersect, creating a complex, layered visual effect.

**Lets Be Perfectly Clear What
Functionality We Are Talking About**

What is FlexField Value Set Security

- FlexField Value Set Security is on the definition or setup side of Value Set Values
- This is the ability to restrict who can view, add or update Value Set Values
- Specifically who can use the Segment Values form (FNDDFFMSV) for which specific Value Sets
- This functionality started in R12.2.2

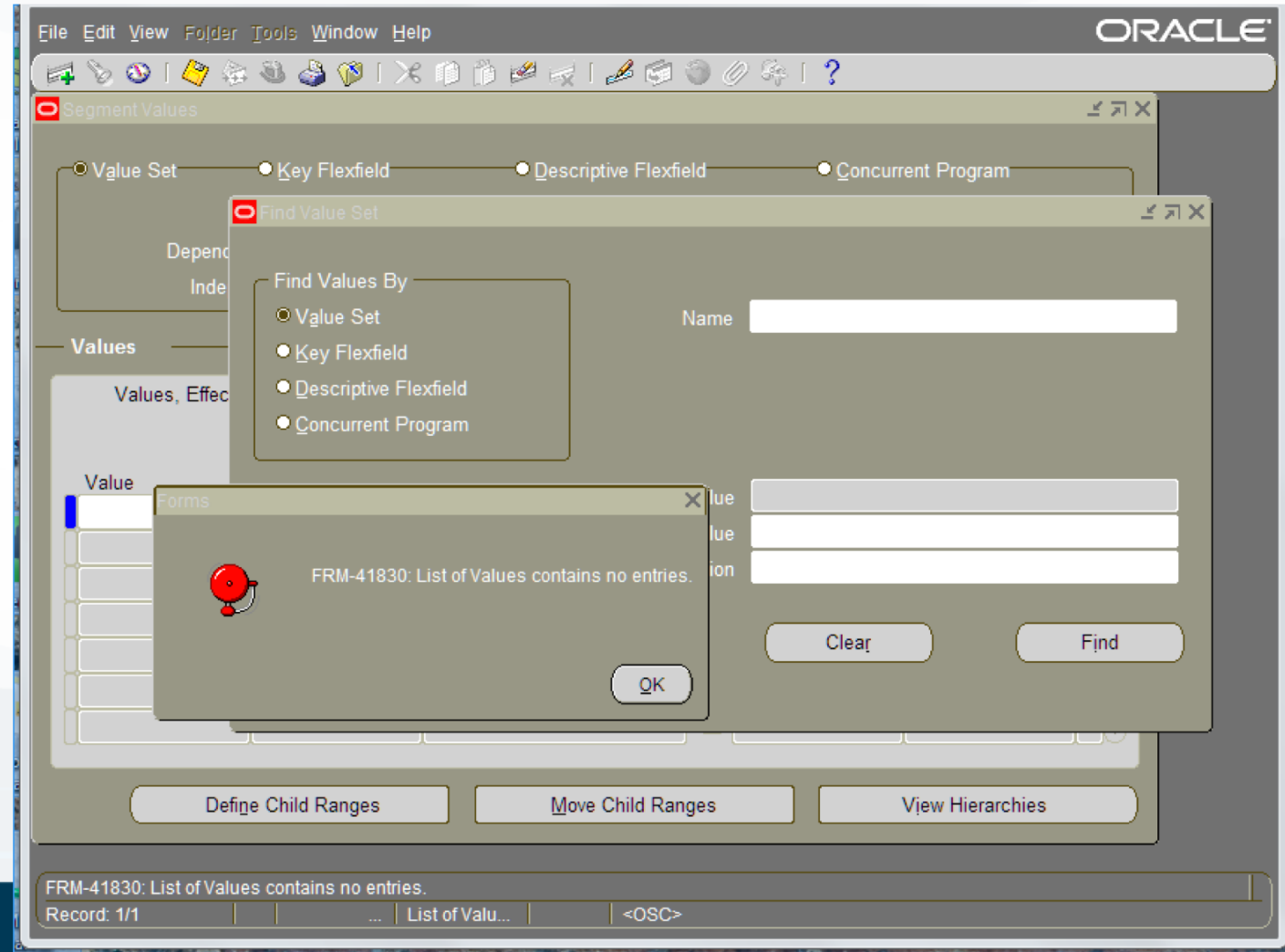
This is not FlexField Value Security

- FlexField Value Security is on the usage side
- Restricting who can use specific values from a value set
- Done using Responsibilities and Access Rules
- We are not covering this in this presentation
- FlexField Value **Set** Security – what we are covering
- FlexField Value Security – we are not covering this

- Oracle E-Business Suite Flexfields Guide R12.2
Part No. E22963-10, August 2016
Chapter 6, Flexfield Value Set Security
 - There are 41 pages of documentation that describe this feature
 - There are a lot of options on how to configure this I am only showing one option here today
- Also when people first get into R12.2 their first encounter with this function is missing value sets in the values window, leading them to this MOS Doc:
Flexfield Value Sets Do Not Appear in List of Values (LOV) in Oracle E-Business Suite Release 12.2 on Segment Values Form FNDFFMSV (Doc ID 1612727.1)

What Happens After an R12.2 Upgrade

- By default after an R12.2.2 upgrade or new install no users are allowed to view, insert or update any value set values
- Hey where did all my value sets go?



Quick Simple Fix (Slam Dunk)

- There is a way to get back to the pre-R12.2 functionality quickly
- This is a slam dunk approach, it does not take advantage of the new functionality, but it gets you back in business quickly with the old functionality
- This quick fix can be undone later when you are ready to tackle this properly

Steps

- 1) Need to login as SYSADMIN
- 2) Select the "User Management" responsibility
- 3) Navigate to "User"
- 4) Find the particular user then click on update icon
- 5) Click on "Assign Role"
- 6) Select "Role" as search by and enter value as "Flexfield Value Set Security: All privileges"
- Or
- Select "Code" as search by and enter value as "UMX|FND_FLEX_VSET_ALL_PRIVS_ROLE"
- 7) Select the role from result
- 8) Enter a justification text.
- 9) Click on "Apply"
- 10) Clear the cache from functional administrator responsibility if required.

Quick Simple Fix – Steps 3,4

- You need the User Management role to do this or use the SYSADMIN user
- Query up user, click Update

The screenshot shows the Oracle User Management web interface. The top navigation bar includes the Oracle logo, 'User Management' title, and various icons. The main content area is titled 'User Maintenance' and contains a search section with fields for User Name, Email, Last Name, First Name, Organization, and Role. The 'User Name' field is populated with 'Z_ALL_ACCESS'. Below the search fields is a 'Go' button. To the right of the search section is a 'User Management' sidebar with two main sections: 'Maintain User Accounts' and 'Control Access'. Below the search section is a table with columns: Last Name, First Name, Email, User Name, Status, Create User, Reset Password, and Update. The table contains one row with the user 'z_all_access' and status 'Active'. The 'Update' button in the table is highlighted with a red arrow.

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

User Maintenance

Search for people and user accounts. All fields except "First Name" are case insensitive. For wildcard searches, please use "%"

Search

User Name Organization

Email Role

Last Name

First Name

User Management

☐ **Maintain User Accounts**

- Register new people, create/disable user accounts, and reset passwords.

☐ **Control Access**

- Grant access to different parts of the system by assigning/revoking roles.

Register

Last Name ▲	First Name ▲	Email	User Name ▲	Status	Create User	Reset Password	Update
			z_all_access	Active	<input type="button" value="Q"/>	<input type="button" value="Q"/>	<input type="button" value="Q"/>

Quick Simple Fix – Steps 5,6,7

- Click Assign Roles, Role to search for:
Flexfield Value Set Security: All privileges

ORACLE User Management

Users > **Update User: z_all_access** [Cancel] [Reset Password] [Save] [Apply]

* Indicates required field

User Name: z_all_access
Email:
Status: ☒ Active
Active From: 24-Feb-2018
Active To:

Quick Tips
There is no person associated with this user account

Roles Securing Attributes

Changes can only be made for roles for which you have been granted administrative privileges.

Assign Roles

Search: All Roles [GO] [Refresh] [Filter] [Settings] [Help]

Details	Role ^	Description	Status ^	Remove
▶	Application Developer	Application Object Library Application Developer	Assigned	[Remove]

Quick Simple Fix – Steps 8,9

- Enter Justification
- Click Apply

ORACLE User Management

Users > **Update User: z_all_access**

Cancel Reset Password Save **Apply**

* Indicates required field

* User Name z_all_access

Email

Status ☒ Active

* Active From 24-Feb-2018

Active To

Quick Tips
There is no person associated with this user account

Roles Securing Attributes

Changes can only be made for roles for which you have been granted administrative privileges.

Assign Roles

Search All Roles GO

Details	Role	Description	Status	Remove
▶	Application Developer	Application Object Library Application Developer	Assigned	
▲	Flexfield Value Set Security: All privileges	Provides view, insert and update privileges for the values of all independent and dependent value sets for flexfields and report parameters. This role should ONLY be assigned to users for backwards compatibility. The result of having this role is that if the user has access to the Values form (Key Flexfield, Descriptive Flexfield, and Validation) on a menu, the user can modify all values for all flexfields and report parameters.	Ready for Submission	

* Justification Setups

* Active From 24-Feb-2018

Active To

Quick Simple Fix – Step 10

- Either:
 - Run Synchronize WF LOCAL Tables (obsoleted in later releases of EBS)
 - Run Workflow Background Process
 - Flush Cache Using Functional Administrator Resp

The screenshot displays the Oracle User Management web interface. At the top, the title is "ORACLE User Management". The navigation bar includes links for Users, Roles & Role Inheritance, Role Categories, Registration Processes, Security Report, Proxy Configuration, and Responsibility. A confirmation message states: "You have successfully updated the information, but may not see the changes in the application until after the Workflow Background Engine's next run in 3 Minutes". Below this is the "User Maintenance" section with a search form. The search form includes fields for User Name (Z_ALL_ACCESS), Organization, Email, Role, Last Name, and First Name, along with a "Go" button. A table below the search form lists user accounts. The table has columns for Last Name, First Name, Email, User Name, Status, Create User, Reset Password, and Update. The first row shows a user with the email "z_all_access" and status "Active". A red arrow points to the confirmation message.

Confirmation

You have successfully updated the information, but may not see the changes in the application until after the Workflow Background Engine's next run in 3 Minutes

User Maintenance

Search for people and user accounts. All fields except "First Name" are case insensitive. For wildcard searches, please use "%"

Search

User Name Organization

Email Role

Last Name

First Name

Register

Last Name	First Name	Email	User Name	Status	Create User	Reset Password	Update
		z_all_access		Active	<input type="button" value="Q"/>	<input type="button" value="Q"/>	<input type="button" value="Q"/>

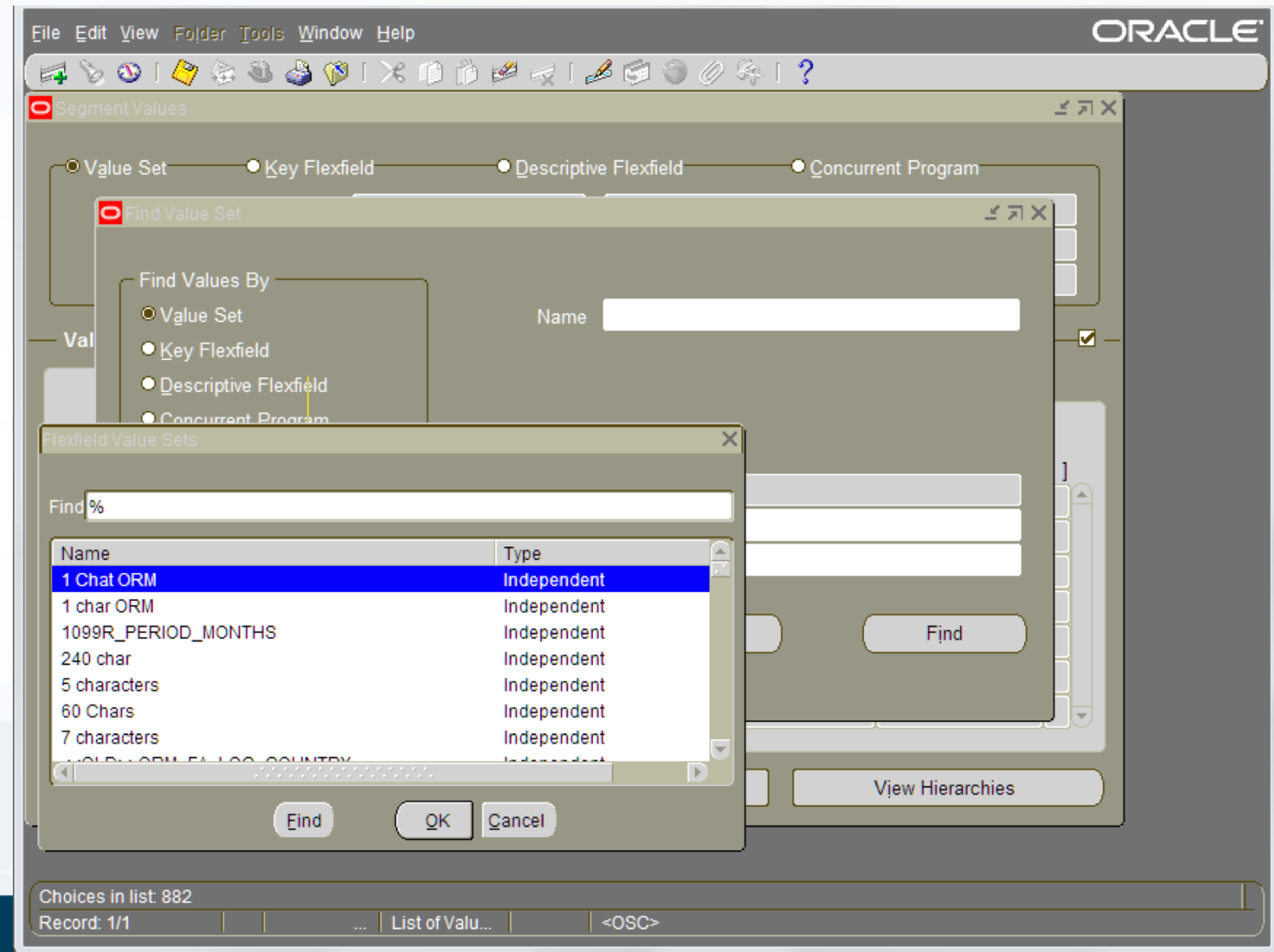
User Management

- ☐ **Maintain User Accounts**
 - Register new people, create/disable user accounts, and reset passwords.
- ☐ **Control Access**
 - Grant access to different parts of the system by assigning/revoking roles.

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Quick Simple Fix– It Works Now

- We can now see value sets
- Adds, Updates now work
- If you want to improve security later you can end date the role for the user



How to Implement FlexField Value Set Security More Restrictively

General Steps to Implement FlexField Value Set Security More Restrictively

- This uses the User Management (UMX) functionality
- Create a Role
- Create a Grant for the specific access
- Then grant that Role to User (or Responsibility covered at the end of the presentation)

You Can Grant How The User Accesses The Value Set

- Not only to do grant specific value set values that the user can access, you also grant the specific access path the user can use the Value Set Values screen to find the value set values:
 - Value Set Name
 - Key FlexField Segment
 - Descriptive FlexField Segment
 - Concurrent Program Parameter
- In our examples we will grant the Value Set access path

Find Value Set

Find Values By

- ☒ Value Set
- ☐ Key Flexfield
- ☐ Descriptive Flexfield
- ☐ Concurrent Program

Name

Independent Value

Value

Description

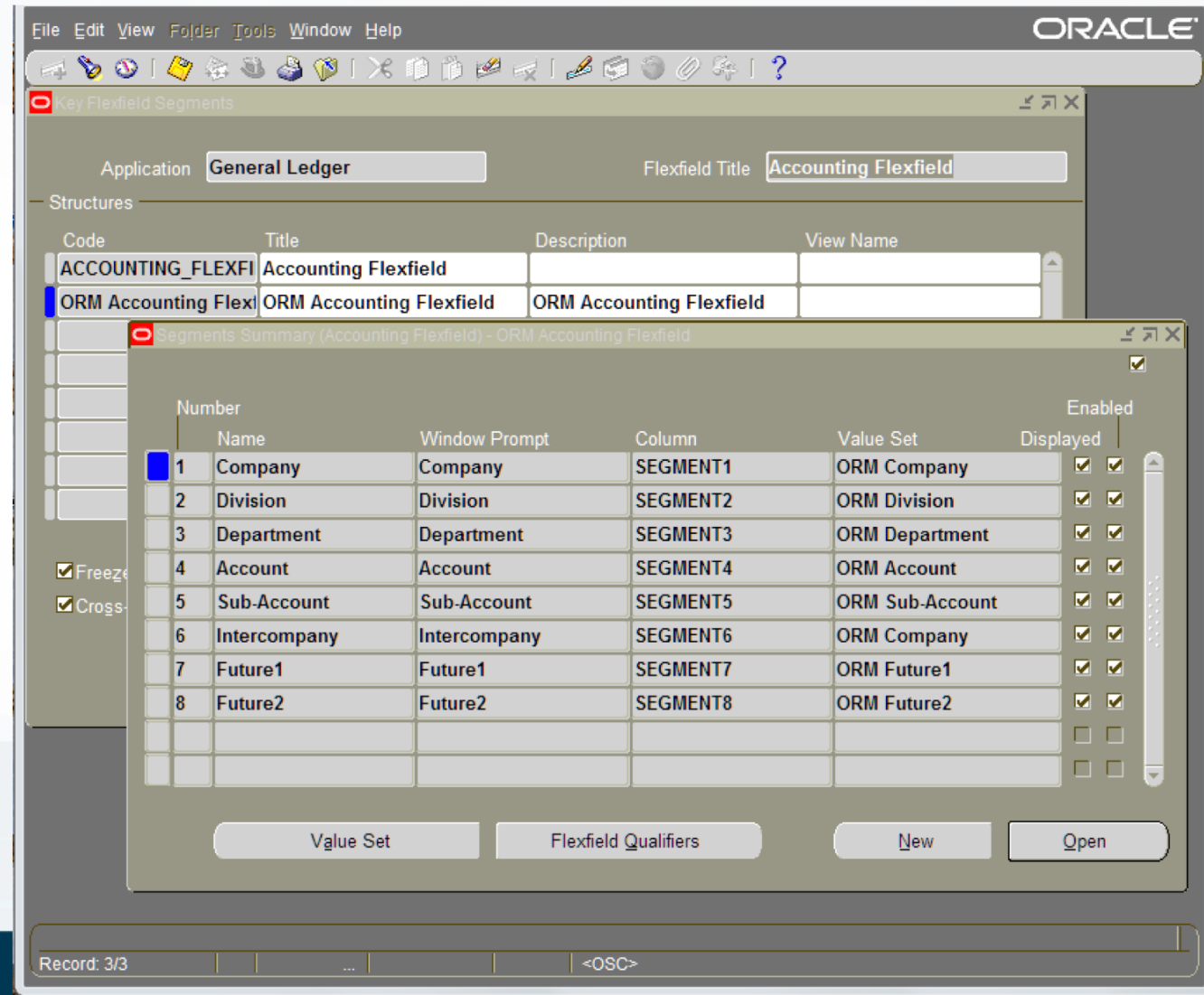
Clear Find

- Is there a preferred way your users query up Value Sets to maintain values?
- You would then want to grant access that way.
- If you don't have a strong preference I would do it by Value Set Name, this is more granular.
- I will be covering Value Set Name access in this presentation.

Accounting FlexField (KFF) Value Set Example (explicitly setting up grants)

What we are going to do:

- We can see there are 8 segments in the GL Accounting FlexField
- Each has a separate Value Set



The screenshot shows the Oracle GL Accounting FlexField Segments Summary window. The main window is titled "Key Flexfield Segments" and has a menu bar with File, Edit, View, Folder, Tools, Window, and Help. The Application is set to "General Ledger" and the Flexfield Title is "Accounting Flexfield". The Structures section shows a table with columns Code, Title, Description, and View Name. The table contains two rows: "ACCOUNTING_FLEXFI" with Title "Accounting Flexfield" and "ORM Accounting Flex" with Title "ORM Accounting Flexfield" and Description "ORM Accounting Flexfield". A sub-window titled "Segments Summary (Accounting Flexfield) - ORM Accounting Flexfield" is open, showing a table with columns Number, Name, Window Prompt, Column, Value Set, and Enabled. The table contains 8 rows, each representing a segment. The first row is selected. The sub-window also has buttons for "Value Set", "Flexfield Qualifiers", "New", and "Open".

Number	Name	Window Prompt	Column	Value Set	Enabled
1	Company	Company	SEGMENT1	ORM Company	<input checked="" type="checkbox"/>
2	Division	Division	SEGMENT2	ORM Division	<input checked="" type="checkbox"/>
3	Department	Department	SEGMENT3	ORM Department	<input checked="" type="checkbox"/>
4	Account	Account	SEGMENT4	ORM Account	<input checked="" type="checkbox"/>
5	Sub-Account	Sub-Account	SEGMENT5	ORM Sub-Account	<input checked="" type="checkbox"/>
6	Intercompany	Intercompany	SEGMENT6	ORM Company	<input checked="" type="checkbox"/>
7	Future1	Future1	SEGMENT7	ORM Future1	<input checked="" type="checkbox"/>
8	Future2	Future2	SEGMENT8	ORM Future2	<input checked="" type="checkbox"/>

Record: 3/3

- Prior to R12.2.6 you have to do it explicitly
 - I will do this first since the Wizard is pretty straight forward
 - You will need to run an SQL script to find the value set id's
- In R12.2.6 there is a Grants Setup Wizard
 - You do not need to run an SQL script to find the value set id's, the screen uses the names
 - However, once set all you see if the value set ids

Create Role

- Role Code:
ORM_GL_ACCT_FLEX
- Display Name:
ORM GL Accounting Flex
- Save
- Click Create Grant

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Roles & Role Inheritance >

Create Role Cancel Security Wizards Save Apply

* Indicates required field

* Category Miscellaneous

* Role Code ORM_GL_ACCT_FLEX

* Display Name ORM GL Accounting Flex

* Description Maintain Value Sets used in GL Accounting Flex

* Application General Ledger

* Active From 24-Feb-2018

Active To

Permissions

Create Grant

Name	Set	Object	Data Context Type	Access Policy	Last Update	Duplicate	Update	Delete
No results found.								

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

- Come up with a naming convention for the Roles and Grants to keep them straight
- As we step through this presentation you will see many decision points on the levels of granularity you want to setup this functionality, all of which will affect this naming convention
- Try this out in a non-PROD instance yourself to see how granular you might want to set this up

Create Grant

- Enter the Grant Name: 'ORM GL Accounting FF Value Set Maintenance'
- Data Security Object: 'Flexfield Value Set Security Object'
- Click Next

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Define Grant Select Object Data Context Define Object Parameters and Select Set Review and Finish

Create Grant: Define Grant Cancel Step 1 of 4 **Next**

* Indicates required field

* Name ORM GL Accounting FF Value Set Maintenance

Description

* Effective From 25-Feb-2018 Effective To

Security Context

Define the context when the grant is applied by selecting a grantee, a responsibility and/or operating unit.

Grantee Type Group Of Users

Grantee ORM GL Flex Values

Operating Unit

Responsibility

Data Security

To define a data security policy, select an object.

Object Flexfield Value Set Security Object

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Create Grant: Select Object Data Context

- Data Context
 - All Rows – this is effectively the Quick Fix mentioned earlier
 - Instance – a single value set
 - Instance Set – a group of value sets

ORACLE® User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Define Grant Select Object Data Context Define Object Parameters and Select Set Review and Finish

Create Grant: Select Object Data Context Cancel Back Step 2 of 4 Next

Object	Flexfield Value Set	Security Object
Data Context Type	Instance Set	
* Instance Set	Value set	

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Create Grant: Select Object Data Context

- Instance Set
 - All value sets
 - Value set
 - Key flexfields for an application
 - Key flexfield
 - Key flexfield structure
 - Descriptive flexfields for an application
 - Descriptive flexfield
 - Descriptive flexfield context
 - Concurrent programs for an application
 - Concurrent program

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Define Grant Select Object Data Context Define Object Parameters and Select Set Review and Finish

Create Grant: Select Object Data Context Cancel Back Step 2 of 4 Next

Object Flexfield Value Set Security Object

Data Context Type Instance Set

* Instance Set Value set

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

How do you want to setup these access controls?

- Consider the volume of value sets you need to configure
- Consider if “by application” is granular enough
- Consider if “by flexfield” is granular enough
- I lean towards most granular and setup by Value Sets explicitly

Create Grant: Parameters and Set

- Enter the Value Set ID's
(more on how to get those on next page)
- Set
 - Flexfield Value Set Security Insert/Update Set
 - Flexfield Value Set Security Insert Set
 - Flexfield Value Set Security Update Set
 - Flexfield Value Set Security View Only Set
- Click Next

ORACLE® User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Define Grant Select Object Data Context Define Object Parameters and Select Set Review and Finish

Create Grant: Define Object Parameters and Select Set [Cancel](#) [Back](#) Step 3 of 4 [Next](#)

* Indicates required field

Data Security

Object Flexfield Value Set Security Object

Data Context

Type	Instance Set
Name	Value set
Description	Give access to specific value sets by value set id

Predicate

```
flex_value_set_id in (select  
flex_value_set_id from  
fnd_flex_value_sets where  
flex_value_set_id in  
(&GRANT_ALIAS.PARAMETER1,  
&GRANT_ALIAS.PARAMETER2,  
&GRANT_ALIAS.PARAMETER3,  
&GRANT_ALIAS.PARAMETER4,  
&GRANT_ALIAS.PARAMETER5,  
&GRANT_ALIAS.PARAMETER6,  
&GRANT_ALIAS.PARAMETER7,  
&GRANT_ALIAS.PARAMETER8,  
&GRANT_ALIAS.PARAMETER9,  
&GRANT_ALIAS.PARAMETER10))
```

Instance Set Details

Define the parameters for the selected data context.

Parameter 1	1009628
Parameter 2	1009629
Parameter 3	1009630
Parameter 4	1009631
Parameter 5	1009634
Parameter 6	1009628
Parameter 7	1009635
Parameter 8	1009636
Parameter 9	
Parameter 10	

Set

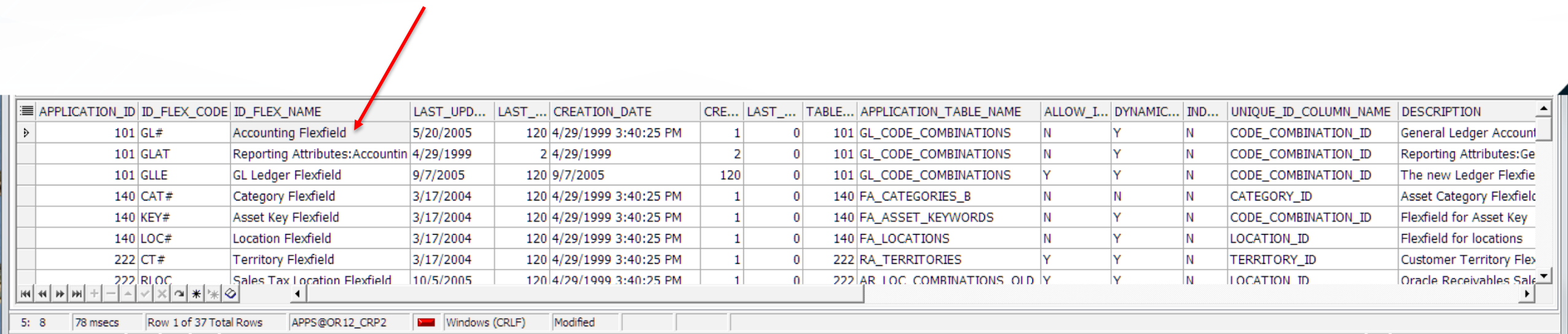
Select the permission set or menu navigation set that defines the grantee's access.

* Set Flexfield Value Set Security Insert/Update Set

Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

SQL to get the ID_FLEX_NAME

- `select * from FND_ID_FLEXES;`
- `-- This shows the ID_FLEX_NAME and other details`



APPLICATION_ID	ID_FLEX_CODE	ID_FLEX_NAME	LAST_UPDATE_DATE	LAST_UPDATED_BY	CREATION_DATE	CREATED_BY	LAST_UPDATE_DATE	TABLE_NAME	APPLICATION_TABLE_NAME	ALLOW_INLINE_EDITING	DYNAMIC SQL	INDEXED	UNIQUE_ID_COLUMN_NAME	DESCRIPTION
101	GL#	Accounting Flexfield	5/20/2005	120	4/29/1999 3:40:25 PM	1	0	101	GL_CODE_COMBINATIONS	N	Y	N	CODE_COMBINATION_ID	General Ledger Account
101	GLAT	Reporting Attributes:Accountin	4/29/1999	2	4/29/1999	2	0	101	GL_CODE_COMBINATIONS	N	Y	N	CODE_COMBINATION_ID	Reporting Attributes:Ge
101	GLLE	GL Ledger Flexfield	9/7/2005	120	9/7/2005	120	0	101	GL_CODE_COMBINATIONS	Y	Y	N	CODE_COMBINATION_ID	The new Ledger Flexfie
140	CAT#	Category Flexfield	3/17/2004	120	4/29/1999 3:40:25 PM	1	0	140	FA_CATEGORIES_B	N	N	N	CATEGORY_ID	Asset Category Flexfielc
140	KEY#	Asset Key Flexfield	3/17/2004	120	4/29/1999 3:40:25 PM	1	0	140	FA_ASSET_KEYWORDS	N	Y	N	CODE_COMBINATION_ID	Flexfield for Asset Key
140	LOC#	Location Flexfield	3/17/2004	120	4/29/1999 3:40:25 PM	1	0	140	FA_LOCATIONS	N	Y	N	LOCATION_ID	Flexfield for locations
222	CT#	Territory Flexfield	3/17/2004	120	4/29/1999 3:40:25 PM	1	0	222	RA_TERRITORIES	Y	Y	N	TERRITORY_ID	Customer Territory Flex
222	RI OC	Sales Tax Location Flexfield	10/5/2005	120	4/29/1999 3:40:25 PM	1	0	222	AR LOC COMBINATIONS OLD	Y	Y	N	LOCATION ID	Oracle Receivables Sale

SQL to get the other ID's

```
• select v.APPLICATION_NAME,  
       v.APPLICATION_ID,  
       v.ID_FLEX_NAME,  
       v.ID_FLEX_CODE,  
       v.ID_FLEX_NUM,  
       v.ID_FLEX_STRUCTURE_NAME,  
       v.SEGMENT_NAME,  
       s.FLEX_VALUE_SET_NAME,  
       v.FLEX_VALUE_SET_ID,  
       v.VALIDATION_TYPE  
  from FND_FLEX_VALUE_SETS s,  
       FND_FLEX_KFF_SEG_VSET_V v  
 where 1=1  
       and v.FLEX_VALUE_SET_ID = s.FLEX_VALUE_SET_ID  
       and v.ID_FLEX_NAME = 'Accounting Flexfield'  
       and v.ID_FLEX_STRUCTURE_NAME = 'ORM Accounting Flexfield'  
 order by v.ID_FLEX_NAME,  
         v.ID_FLEX_STRUCTURE_NAME,  
         v.SEGMENT_NAME;
```

APPLICATION_NAME	APPLICATION_ID	ID_FLEX_NAME	ID_FLEX_CODE	ID_FLEX_NUM	ID_FLEX_STRUCTURE_NAME	SEGMENT_NAME	FLEX_VALUE_SET_NAME	FLEX_VALUE_SET_ID	VALIDATION_TYPE
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Company	ORM Company	1009628	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Division	ORM Division	1009629	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Department	ORM Department	1009630	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Account	ORM Account	1009631	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Sub-Account	ORM Sub-Account	1009634	D
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Intercompany	ORM Company	1009628	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Future1	ORM Future1	1009635	I
General Ledger	101	Accounting Flexfield	GL#	50268	ORM Accounting Flexfield	Future2	ORM Future2	1009636	I

17: 21 78 msec Row 1 of 8 Total Rows APPS@OR12_CRP2 Windows (CRLF) Modified

- How granular do you want the specific access to the Value Set Values?
 - Insert and Update Values
 - Insert Values
 - Update Values
 - View Only
- I would lean towards Insert and Update used always, not trying to break out the others

Create Grant: Review

- Click Finish

ORACLE User Management

Users | **Roles & Role Interference** | Role Categories | Registration Processes | Security Report | Proxy Configuration | Responsibility

Define Grant | Select Object Data Context | Define Object Parameters and Select Set | **Review and Finish**

Cancel | Back | Step 4 of 4 | **Finish**

Create Grant: Review and Finish

Name: ORM GL Accounting FF Value Set Maintenance
Description:
Effective From: 25-Feb-2018
Effective To:

Security Context

Grantee Type: Group Of Users
Grantee: ORM GL Flex Values
Operating Unit:
Responsibility:

Data Security

Object: Flexfield Value Set Security Object

Data Context

Type: Instance Set
Name: Value set
Description: Give access to specific value sets by value set id

Predicate

```
flex_value_set_id in (select  
flex_value_set_id from  
thd_flex_value_sets where  
flex_value_set_id in  
(&GRANT_ALIAS.PARAMETER1,  
&GRANT_ALIAS.PARAMETER2,  
&GRANT_ALIAS.PARAMETER3,  
&GRANT_ALIAS.PARAMETER4,  
&GRANT_ALIAS.PARAMETER5,  
&GRANT_ALIAS.PARAMETER6,  
&GRANT_ALIAS.PARAMETER7,  
&GRANT_ALIAS.PARAMETER8,  
&GRANT_ALIAS.PARAMETER9,  
&GRANT_ALIAS.PARAMETER10)
```

Instance Set Details

Parameter 1	1009628
Parameter 2	1009629
Parameter 3	1009630
Parameter 4	1009631
Parameter 5	1009634
Parameter 6	1009628
Parameter 7	1009635
Parameter 8	1009636
Parameter 9	
Parameter 10	

Set

Name: Flexfield Value Set Security Insert/Update Set
Code: FND_FLEX_VBET_INSERT_UPDATE_PS
Description: Allow Insert and update of values in a value set

Copyright (c) 1996, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Grant Assigned to Role

- Now we see the Grant assigned to the Role
- Click Apply

ORACLE User Management

Users | **Roles & Role Inheritance** | Role Categories | Registration Processes | Security Report | Proxy Configuration | Responsibility

Update Role : ORM GL Flex Values

Cancel | Security Wizards | Save | **Apply**

* Indicates required field

* **Category** Miscellaneous

Role Code UMXJORM_GL_FLEX_VALUES

* **Display Name** ORM GL Flex Values

* **Description** Access to GL Flex Values

* **Application** Application Object Library

* **Active From** 11-Jan-2017

Active To

Permissions

Create Grant | [Icons]

Name ^	Set ^	Object ^	Data Context Type ^	Access Policy	Last Update ^	Duplicate	Update	Delete
ORM GL Accounting FF Value Set Maintenance	Flexfield Value Set Security Insert/Update Set	Flexfield Value Set Security Object	Instance Set	Value set	25-Feb-2018	[Icon]	[Icon]	[Icon]

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Assign Role to User

- Query up User Name
- Assign Role
- Select Role
- Enter Justification
- Apply

The screenshot displays the Oracle User Management interface. The top navigation bar includes the Oracle logo, 'User Management' title, and various icons for home, clock, star, settings, notifications, and user status. The user is logged in as JOHN. The main content area has tabs for 'Users', 'Roles & Role Inheritance', 'Role Categories', 'Registration Processes', 'Security Report', 'Proxy Configuration', and 'Responsibility'. The 'Users' tab is active, showing the 'Update User: z_gl_access' form. This form includes fields for User Name (z_gl_access), Email, Status (Active), Active From (24-Feb-2018), and Active To. A 'Quick Tips' box on the right states: 'There is no person associated with this user account'. Below the user update form, the 'Roles' tab is active, showing the 'Securing Attributes' section. A message states: 'Changes can only be made for roles for which you have been granted administrative privileges.' The 'Assign Roles' section includes a search bar with 'Specific Role' selected, a 'Code' dropdown, and a search term 'ORM%GL%' with a 'GO' button. Below this is a table with columns: Details, Role, Description, Status, and Remove. The table contains one entry: 'ORM GL Accounting Flex' with description 'Maintain Value Sets used in GL Accounting Flex' and status 'Ready for Submission'. Below the table, there are fields for 'Justification' (Testing) and 'Active From' (25-Feb-2018). The 'Role Inheritance' section is empty. The footer contains the copyright notice: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and a 'Privacy Statement' link.

ORACLE User Management

Users >

Update User: z_gl_access

Cancel Reset Password Save Apply

* Indicates required field

* User Name z_gl_access

Email

Status ☒ Active

* Active From 24-Feb-2018

Active To

Quick Tips
There is no person associated with this user account

Roles Securing Attributes

Changes can only be made for roles for which you have been granted administrative privileges.

Assign Roles

Search Specific Role Code ORM%GL% GO

Details	Role	Description	Status	Remove
	ORM GL Accounting Flex	Maintain Value Sets used in GL Accounting Flex	Ready for Submission	

* Justification Testing

* Active From 25-Feb-2018

Active To

Role Inheritance

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

User Can Insert/Update Value Set Values

- User can now see the Value Sets and Insert/Update Values

The screenshot shows the 'Segment Values' window in Oracle E-Business Suite. The 'Value Set' tab is selected. A 'Find Value Set' dialog is open, showing a search for 'ORM %'. The 'Find Values By' dropdown is set to 'Value Set'. The list of results shows 'ORM Account' as the first entry, which is highlighted. The status bar at the bottom indicates 'Choices in list: 7' and 'Record: 1/1'.

Name	Type
ORM Account	Independent
ORM Company	Independent
ORM Department	Independent
ORM Division	Independent
ORM Future1	Independent
ORM Future2	Independent
ORM Sub-Account	Dependent

The background of the slide features several thin, light blue lines that create a sense of depth and movement. These lines are composed of straight segments connected by sharp angles, forming a series of overlapping, stepped shapes that recede into the distance. The lines vary in length and orientation, some running parallel to each other while others intersect, creating a complex, layered visual effect.

Inventory Category (KFF) Value Set Example (security wizard)

- Role Code:
UMX|INV_ITEM_CATEGORY_VALUE_SETS
- Display Name:
ORM INV Item Category Value Sets
- Click on Security Wizards

ORACLE User Management

Home Clock Star Gear Notification (0) | Logged In As JOHN ? Power

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Roles & Role Inheritance >

Create Role Cancel Security Wizards Save Apply

* Indicates required field

* Category Miscellaneous

* Role Code UMX|INV_ITEM_CATEGORY_VALUE_SETS

* Display Name ORM INV Item Category Value Sets

* Description INV Item Category Value Sets Segment Maintenance

* Application Inventory

* Active From 25-Feb-2018

Active To

Permissions

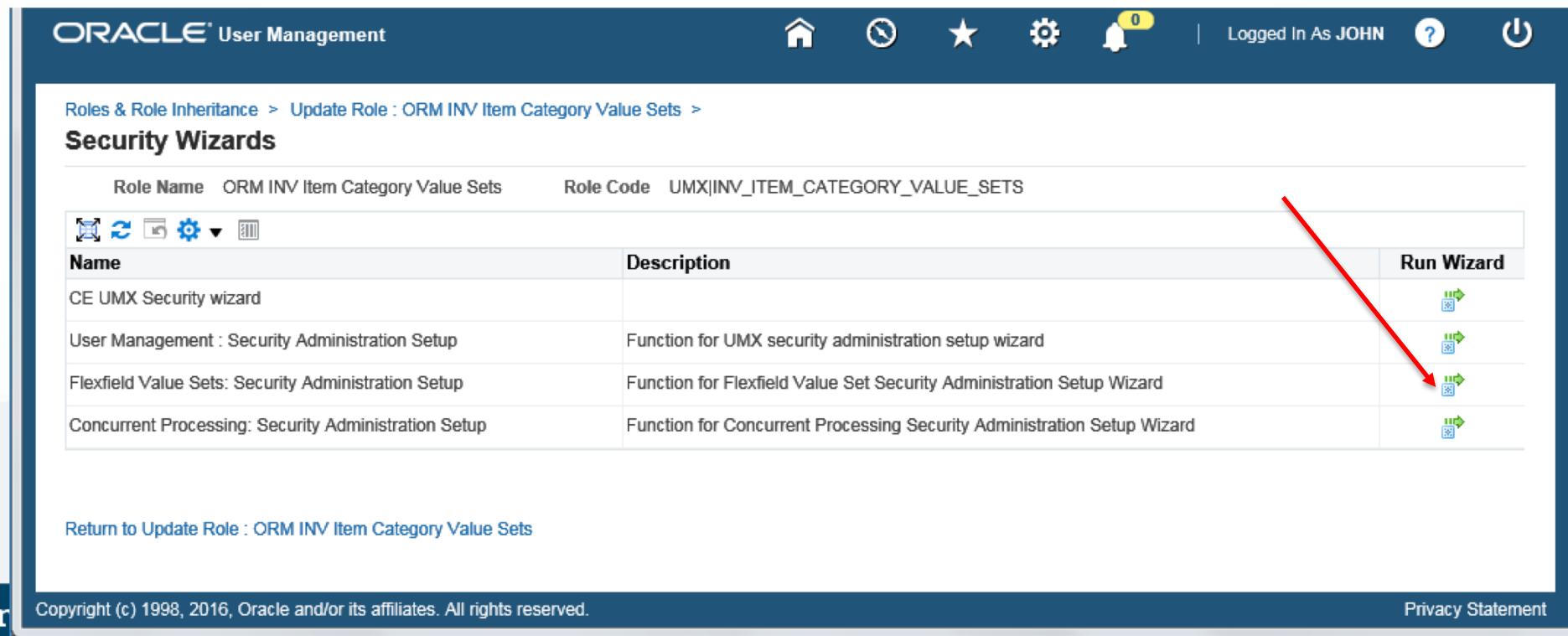
Create Grant

Name	Set	Object	Data Context Type	Access Policy	Last Update	Duplicate	Update	Delete
No results found.								

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Security Wizards

- Select the Security Wizard
Flexfield Value Sets: Security Administration Setup







ORACLE User Management

Roles & Role Inheritance > Update Role : ORM INV Item Category Value Sets >

Security Wizards

Role Name ORM INV Item Category Value Sets Role Code UMX|INV_ITEM_CATEGORY_VALUE_SETS

Name	Description	Run Wizard
CE UMX Security wizard		
User Management : Security Administration Setup	Function for UMX security administration setup wizard	
Flexfield Value Sets: Security Administration Setup	Function for Flexfield Value Set Security Administration Setup Wizard	
Concurrent Processing: Security Administration Setup	Function for Concurrent Processing Security Administration Setup Wizard	

[Return to Update Role : ORM INV Item Category Value Sets](#)

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. [Privacy Statement](#)

Create Grant

- Click Create Grant

ORACLE User Management

Roles & Role Inheritance > Update Role : ORM INV Item Category Value Sets > Security Wizards >

Flexfield Value Set Security Wizard

Cancel Apply

Role Details

Role Name ORM INV Item Category Value Sets Role Code UMX|INV_ITEM_CATEGORY_VALUE_SETS

Grants

Create Grant

Name	Authorize Value Sets by	Value Set Privileges	Effective From	Update	Remove
No results found.					

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Define Grant

- Grant Name
 - Value Set Privileges
 - Authorize Value Sets By
 - Select Parameters
-
- You don't have to know the IDs

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Roles & Role Inheritance > Update Role : ORM INV Item Category Value Sets > Security Wizards > Flexfield Value Set Security Wizard >

Value Set Security Wizard Cancel Apply

Define Grant

Grant Details

* Grant Name ORM INV Item Category Value Set Maintenance

Description

* Effective From 25-Feb-2018

Effective To

Security Context

Operating Unit

Responsibility

Grant Information

Value Set Grant Type

* Value Set Privileges Insert/Update

* Authorize Value Sets by Value Set Name

Select Parameters

TIP Use the "Add Value Set" button to add value sets. Maximum of ten value sets per grant.

* Value Set Name	Remove
ORM Inventory Division	
ORM Publisher	

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Assign Role to User

- Query up User Name
- Assign Role
- Select Role
- Enter Justification
- Apply

The screenshot displays the Oracle User Management web interface. The top navigation bar includes the Oracle logo, 'User Management' title, and various icons for home, clock, star, settings, notifications, and user status. The user is logged in as 'JOHN'. The main menu on the left includes 'Users', 'Roles & Role Inheritance', 'Role Categories', 'Registration Processes', 'Security Report', 'Proxy Configuration', and 'Responsibility'. The 'Users' section is active, showing the 'Update User: z_inv_access' page. The page has tabs for 'Users' and 'Roles'. The 'Users' tab is selected, showing fields for 'User Name' (z_inv_access), 'Email', 'Status' (Active), 'Active From' (25-Feb-2018), and 'Active To'. A 'Quick Tips' box on the right states 'There is no person associated with this user account'. The 'Roles' tab is also visible, showing a table of assigned roles. Below the table, there are fields for 'Justification' (Testing) and 'Active From' (25-Feb-2018). The 'Role Inheritance' section is at the bottom.

ORACLE User Management

Users > **Update User: z_inv_access** [Cancel] [Reset Password] [Save] [Apply]

* Indicates required field

* User Name: z_inv_access
Email:
Status: ☒ Active
* Active From: 25-Feb-2018
Active To:

Quick Tips
There is no person associated with this user account

Roles | Securing Attributes

Changes can only be made for roles for which you have been granted administrative privileges.

Assign Roles
Search: All Roles [GO] [Icons]

Details	Role	Description	Status	Remove
▶	Application Developer	Application Object Library Application Developer	Assigned	[Icon]
▶	ORM US Inventory Super User	ORM Inventory Super User	Assigned	[Icon]
▲	ORM INV Item Category Value Sets	INV Item Category Value Sets Segment Maintenance	Ready for Submission	[Icon]

* Justification: Testing
* Active From: 25-Feb-2018
Active To:

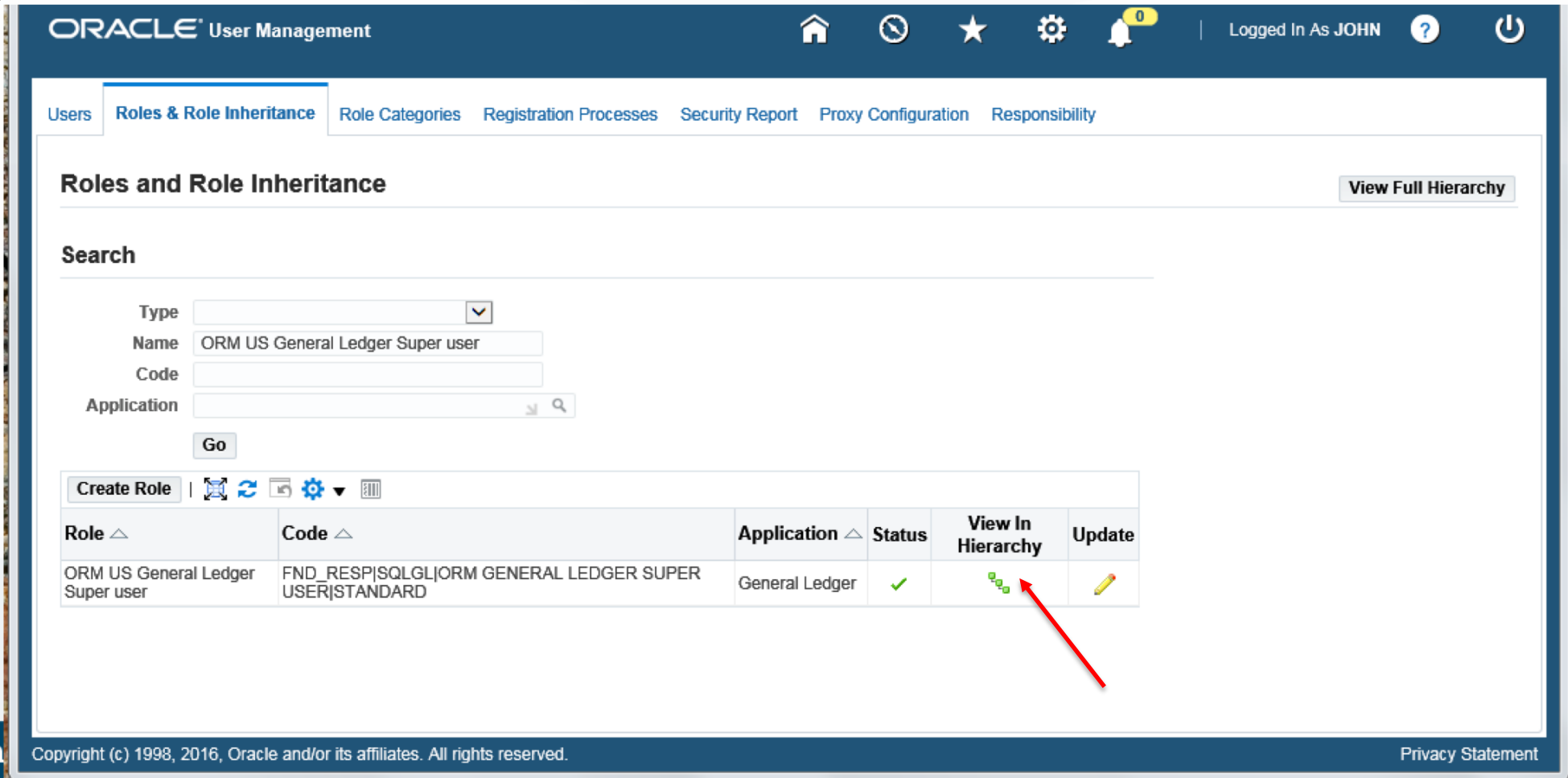
Role Inheritance

Adding the Role to a Responsibility

- Do you want to assign Value Set Values access explicitly to specific users or to all users that have a specific responsibility?
- It might be easier to manage who has what access at the Responsibility level.

Adding the Role to a Responsibility

- UMX, Roles * Role Inheritance
- Search for Role
- View in Hierarchy



ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Roles and Role Inheritance [View Full Hierarchy](#)

Search






Type





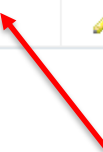

Name

Code

Application

Go

Create Role     

Role 	Code 	Application 	Status	View In Hierarchy	Update
ORM US General Ledger Super user	FND_RESP SQLGL ORM GENERAL LEDGER SUPER USER STANDARD	General Ledger	✓	 	

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.

Privacy Statement

Adding the Role to a Responsibility

- Click on Green Plus to Add Node

ORACLE User Management

Users

Roles & Role Inheritance

Role Categories

Registration Processes

Security Report

Proxy Configuration

Responsibility

Logged In As JOHN

Roles and Role Inheritance

View Full Hierarchy

Define Role Inheritance Hierarchies by clicking **Add Node** at the appropriate level in the hierarchy.

Search

Type

Name

Code

Application

Go

Legend

Category

Role

Responsibility

All Users (Everyone)

Externally Managed Group

Pending Role Relationship

Role Inheritance Hierarchy

Create Role

All Roles, Responsibilities, and Groups

Focus	Name	Code	Application	Active	Update	Add Node	Remove Node
	ORM US General Ledger Super user	FND_RESP[SQLGL]ORM GENERAL LEDGER SUPER USER STANDARD	General Ledger				
	Application Super User Role	UMX ODF_APPLICATION_SUPER_USER_ROLE	Application Object Library				

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.

Privacy Statement

Adding the Role to a Responsibility

- Search For and Select Role

ORACLE User Management

Users Roles & Role Inheritance Role Categories Registration Processes Security Report Proxy Configuration Responsibility

Users Roles & Role Inheritance Role Categories Registration Processes Responsibility

Define Role Inheritance Hierarchy: Search and Select Roles

The role you select from the hierarchy will be inherited by everyone assigned the **ORM US General Ledger Super user** role.

Search

Category
Name
Code
Application

	Quick Select	Role <input type="button" value="u"/>	Code <input type="button" value="u"/>	Application <input type="button" value="u"/>	Active
<input checked="" type="radio"/>		ORM GL Flex Values	UMXJORM_GL_FLEX_VALUES	Application Object Library	<input checked="" type="checkbox"/>

Legend

- Category
- Role
- Responsibility
- All Users (Everyone)
- Externally Managed Group

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.

Privacy Statement

Adding the Role to a Responsibility

- Role is now assigned
- Users with that Responsibility can edit Value Set Values

ORACLE User Management

Users | **Roles & Role Inheritance** | Role Categories | Registration Processes | Security Report | Proxy Configuration | Responsibility

Roles and Role Inheritance View Full Hierarchy

Define Role Inheritance Hierarchies by clicking **Add Node** at the appropriate level in the hierarchy.

Search

Type
Name
Code
Application

Legend

- Category
- Role
- Responsibility
- All Users (Everyone)
- Externally Managed Group
- Pending Role Relationship

Role Inheritance Hierarchy

Create Role |

All Roles, Responsibilities, and Groups >

Focus	Name	Code	Application	Active	Update	Add Node	Remove Node
	ORM US General Ledger Super user	FND_RESP[SQLGL]ORM GENERAL LEDGER SUPER USER[STANDARD]	General Ledger	✓			
	Application Super User Role	UMX[ODF_APPLICATION_SUPER_USER_ROLE]	Application Object Library	✓			
	ORM GL Flex Values	UMX[ORM_GL_FLEX_VALUES]	Application Object Library	✓			

Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved. Privacy Statement

Summary

- I covered exactly what FlexField Value Set Security is and is not
- I reviewed a quick way to get back to your Value Set Values after an upgrade
- I provided step by step instructions on how to create a Role and Grants explicitly
- I provided step by step instructions on how to create a Role and Grants using the Security Wizard
- Also how to assign a given role to a responsibility

Questions and Answers

John Peters

john.peters@jrpjr.com

<http://www.jrpjr.com>