

# R12.2 FlexField Value Set Security

How to take advantage of this new feature

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**John Peters**

Principal Consultant  
JRPJR, Inc

[john.peters@jrpjr.com](mailto: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



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 (FNDFFMSV) for which specific Value Sets
- This functionality started in R12.2.2

# This is not FlexField Value Security

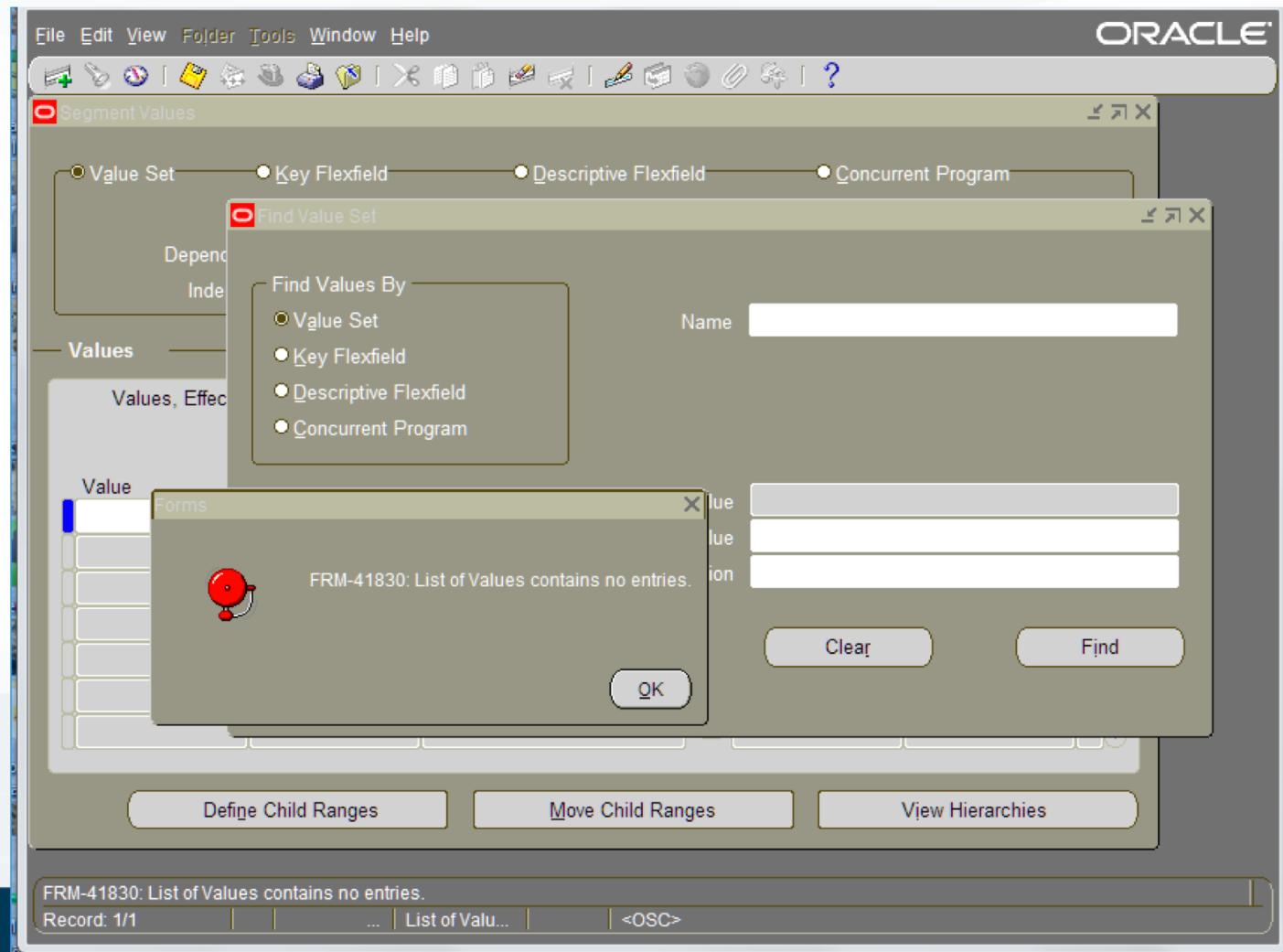


- FlexField Value Security is on the usage side
- Restricting who can use specific values from a value set
- Done using Responsibilities and Access Rules
- We are not covering this in this presentation
- FlexField Value **Set** Security – what we are covering
- FlexField Value Security – we are not covering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

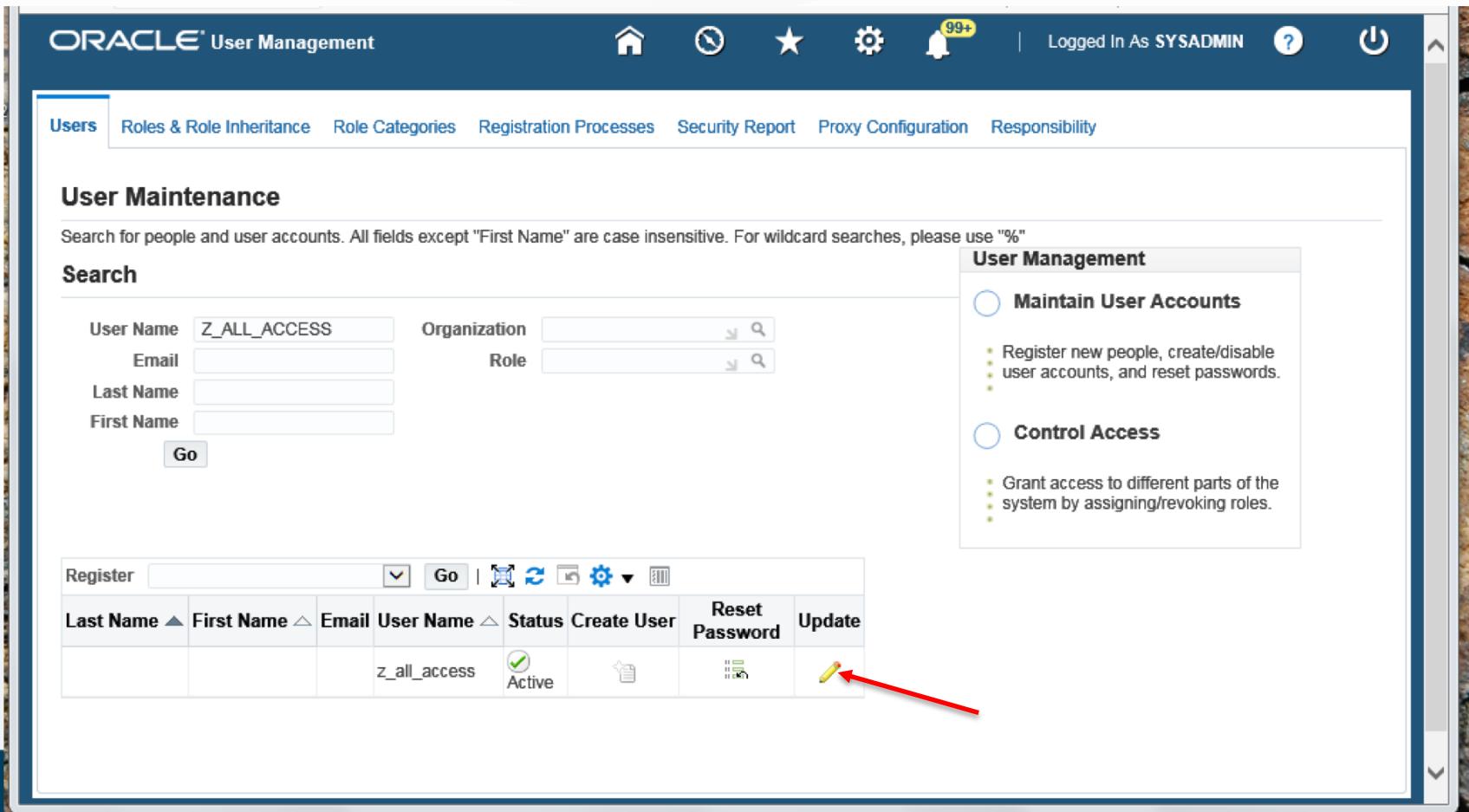
- There is a way to get back to the pre-R12.2 functionality quickly
- This is a slam dunk approach, it does not take advantage of the new functionality, but it gets you back in business quickly with the old functionality
- This quick fix can be undone later when you are ready to tackle this properly

## 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

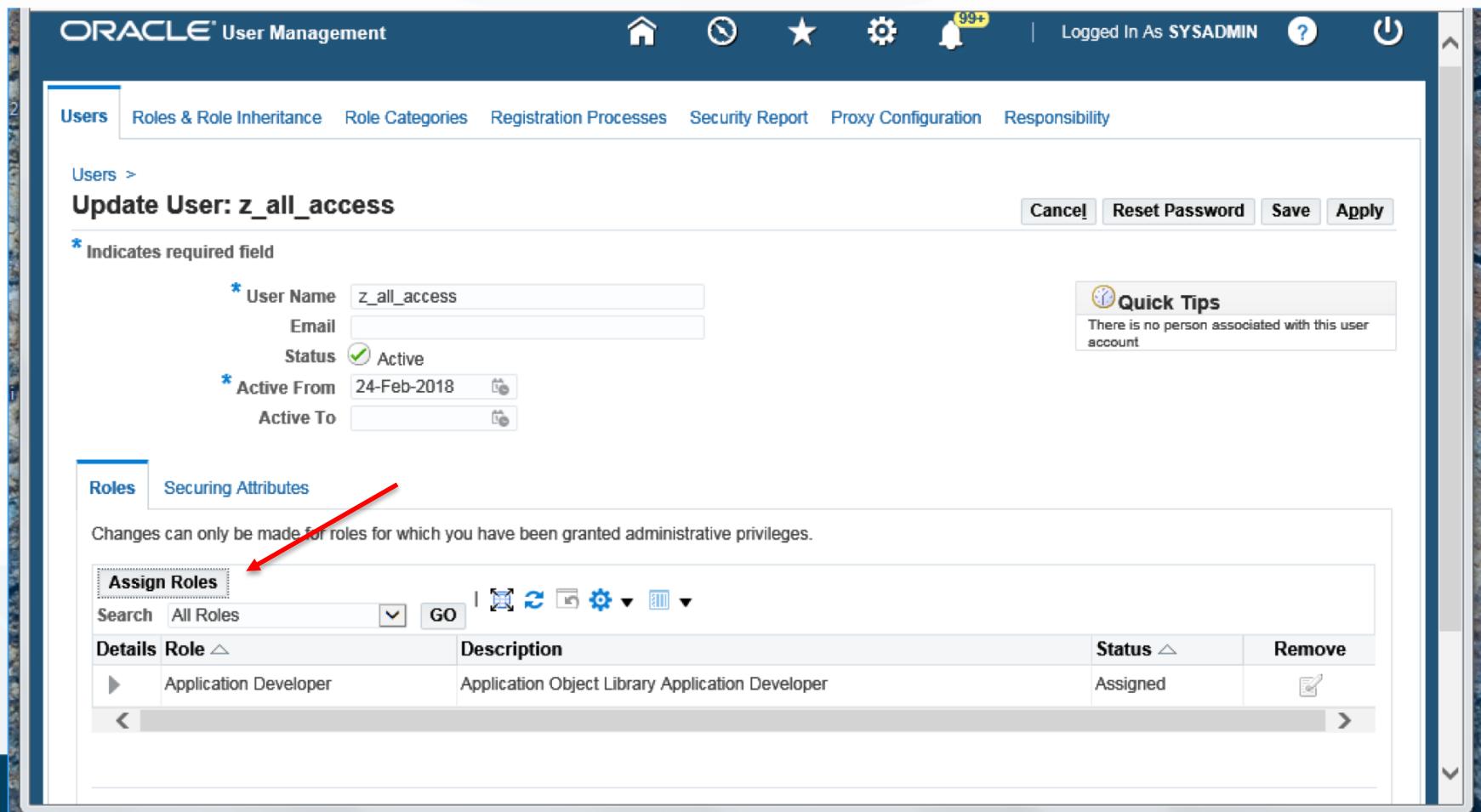


The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Home, Logout, Star, Settings, Notifications (99+), and the user 'Logged In As SYSADMIN'. The main menu has tabs for 'Users', 'Roles & Role Inheritance', 'Role Categories', 'Registration Processes', 'Security Report', 'Proxy Configuration', and 'Responsibility'. The 'Users' tab is selected, displaying the 'User Maintenance' screen. The search section contains fields for 'User Name' (Z\_ALL\_ACCESS), 'Organization', 'Email', 'Role', 'Last Name', and 'First Name', with a 'Go' button. To the right, a sidebar titled 'User Management' contains sections for 'Maintain User Accounts' (Register new people, create/disable user accounts, and reset passwords) and 'Control Access' (Grant access to different parts of the system by assigning/revoking roles). The main content area shows a table with columns: Last Name, First Name, Email, User Name, Status, Create User, Reset Password, and Update. A red arrow points to the 'Update' button in the table header. The table data shows a single row for 'z\_all\_access' with 'Active' status and a pencil icon in the 'Update' column.

Last Name	First Name	Email	User Name	Status	Create User	Reset Password	Update
			z_all_access	Active			

# Quick Simple Fix – Steps 5,6,7

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



The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Home, Logout, Star, Settings, Notifications (99+), and the user 'Logged In As SYSADMIN'. Below the navigation is a menu bar with 'Users', 'Roles & Role Inheritance', 'Role Categories', 'Registration Processes', 'Security Report', 'Proxy Configuration', and 'Responsibility'. The main content area is titled 'Update User: z\_all\_access'. It displays user details: User Name (z\_all\_access), Email (empty), Status (Active checked), Active From (24-Feb-2018), and Active To (empty). A 'Quick Tips' box notes 'There is no person associated with this user account'. Below the user details is a 'Roles' section with a 'Securing Attributes' tab. A red arrow points to the 'Assign Roles' button in the toolbar of the roles grid. The grid shows a single row for 'Application Developer' with a status of 'Assigned'. The bottom of the screen features a footer with the text 'education. networking. influence.' and a copyright notice: '© 2018 OAUG. All rights reserved. Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.'

# Quick Simple Fix – Steps 8,9

- Enter Justification
- Click Apply

ORACLE User Management

Logged In As **SYSADMIN**

Users > **Update User: z\_all\_access**

\* Indicates required field

* User Name	z_all_access
Email	
Status	<input checked="" type="checkbox"/> 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

Details	Role ▲	Description	Status ▲	Remove
▶	Application Developer	Application Object Library Application Developer	Assigned	<input type="checkbox"/>
◀	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	<input type="checkbox"/>

\* Justification: Setups

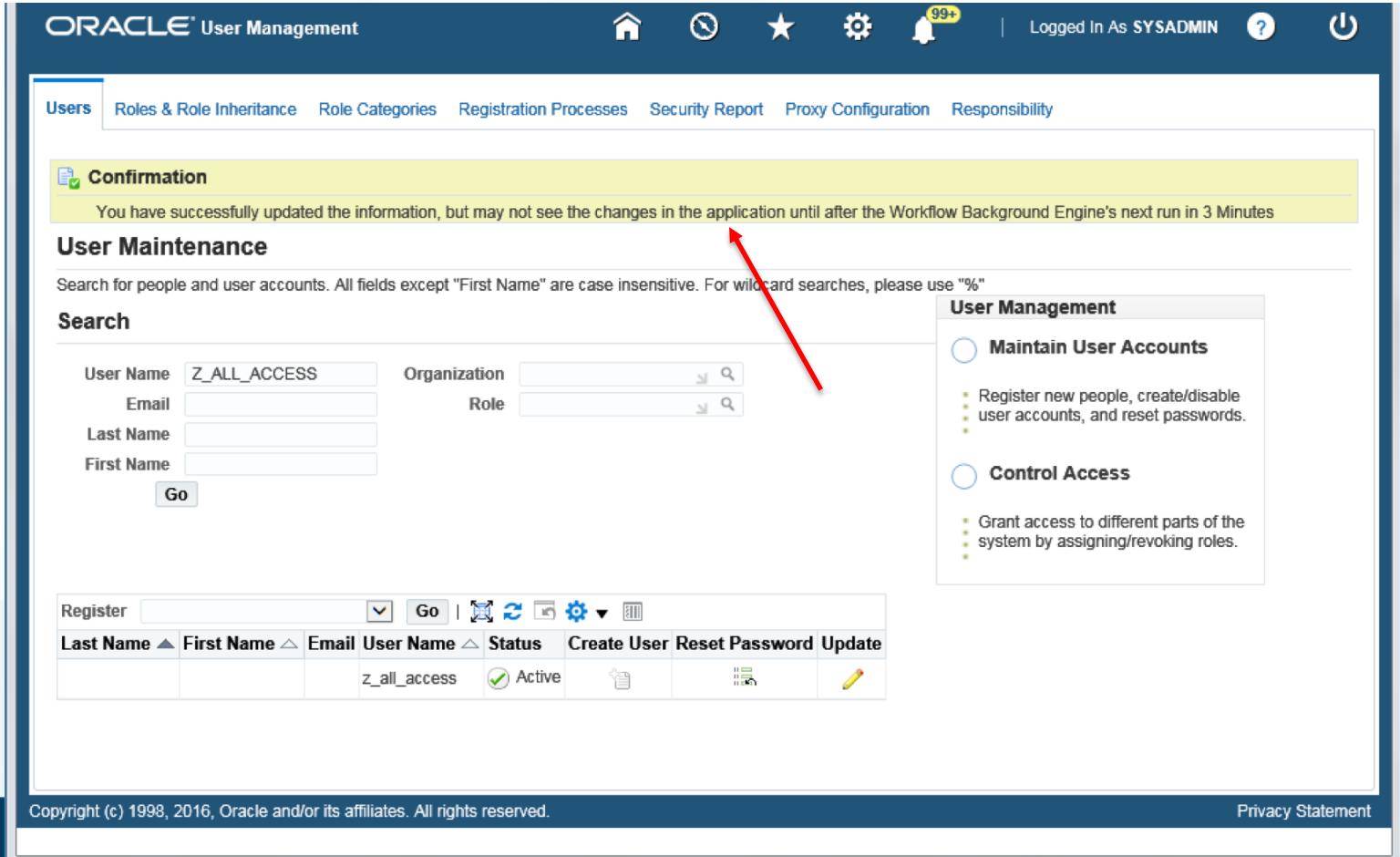
\* Active From: 24-Feb-2018

\* Active To:

Cancel Reset Password Save **Apply**

# Quick Simple Fix – Step 10

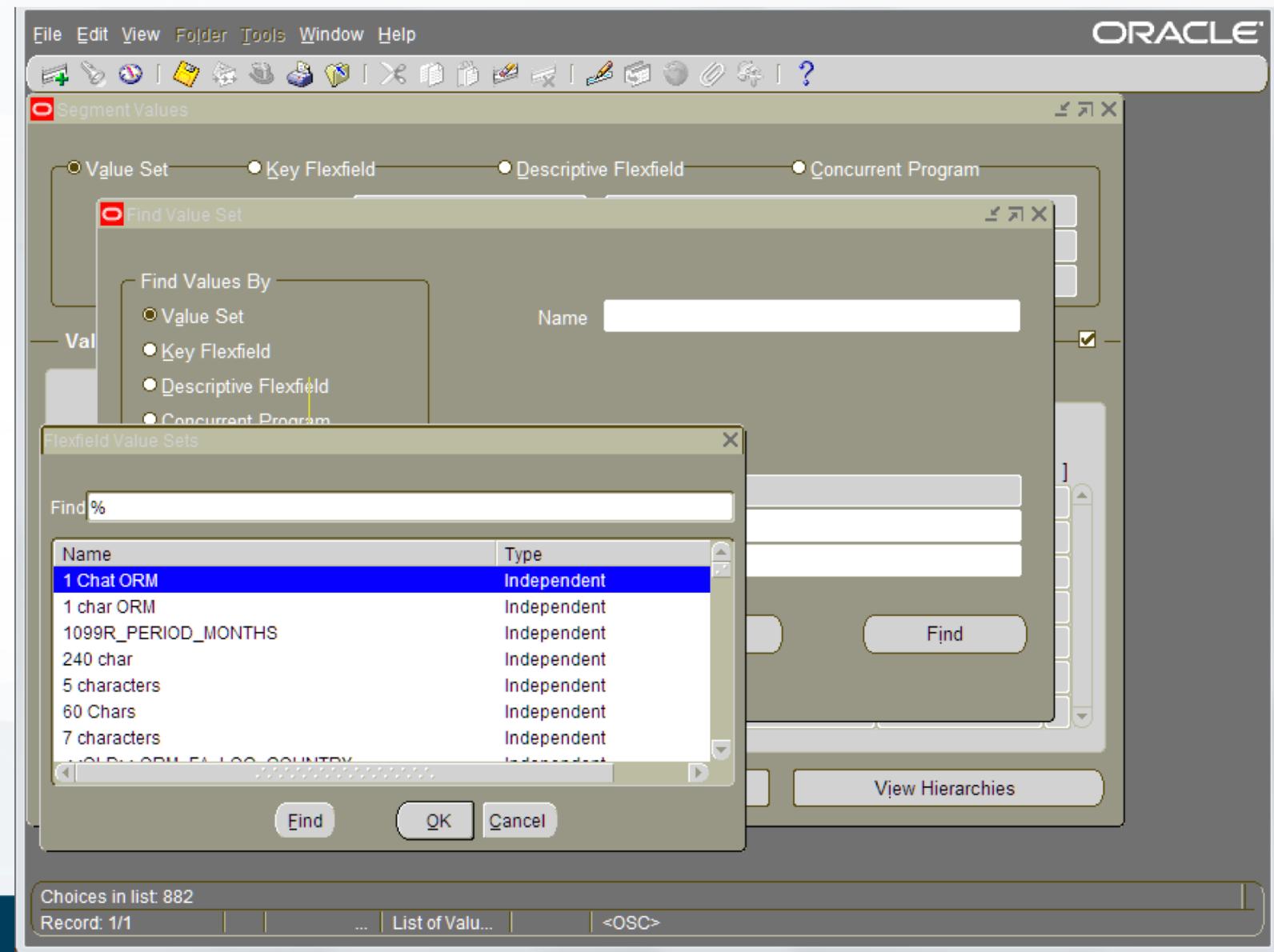
- Either:
  - Run Synchronize WF LOCAL Tables (obsoleted in later releases of EBS)
  - Run Workflow Background Process
  - Flush Cache Using Functional Administrator Resp



The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Home, Logout, Help, and Notifications (99+). The user is logged in as 'SYSADMIN'. The main menu has tabs for 'Users', 'Roles & Role Inheritance', 'Role Categories', 'Registration Processes', 'Security Report', 'Proxy Configuration', and 'Responsibility'. The 'Users' tab is selected. A confirmation message box is displayed with the text: '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'. A red arrow points to this message. The 'User Maintenance' section contains a search form with fields for User Name (Z\_ALL\_ACCESS), Organization, Role, Last Name, and First Name, along with a 'Go' button. Below the search is a 'Register' button and a table with columns: Last Name, First Name, Email, User Name, Status, Create User, Reset Password, and Update. The table shows a single row with 'z\_all\_access' in the User Name column and 'Active' in the Status column. The bottom of the page includes a copyright notice: 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and a 'Privacy Statement' link. On the right, there is a sidebar titled 'User Management' with sections for 'Maintain User Accounts' (Register new people, create/disable user accounts, and reset passwords) and 'Control Access' (Grant access to different parts of the system by assigning/revoking roles).

# 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



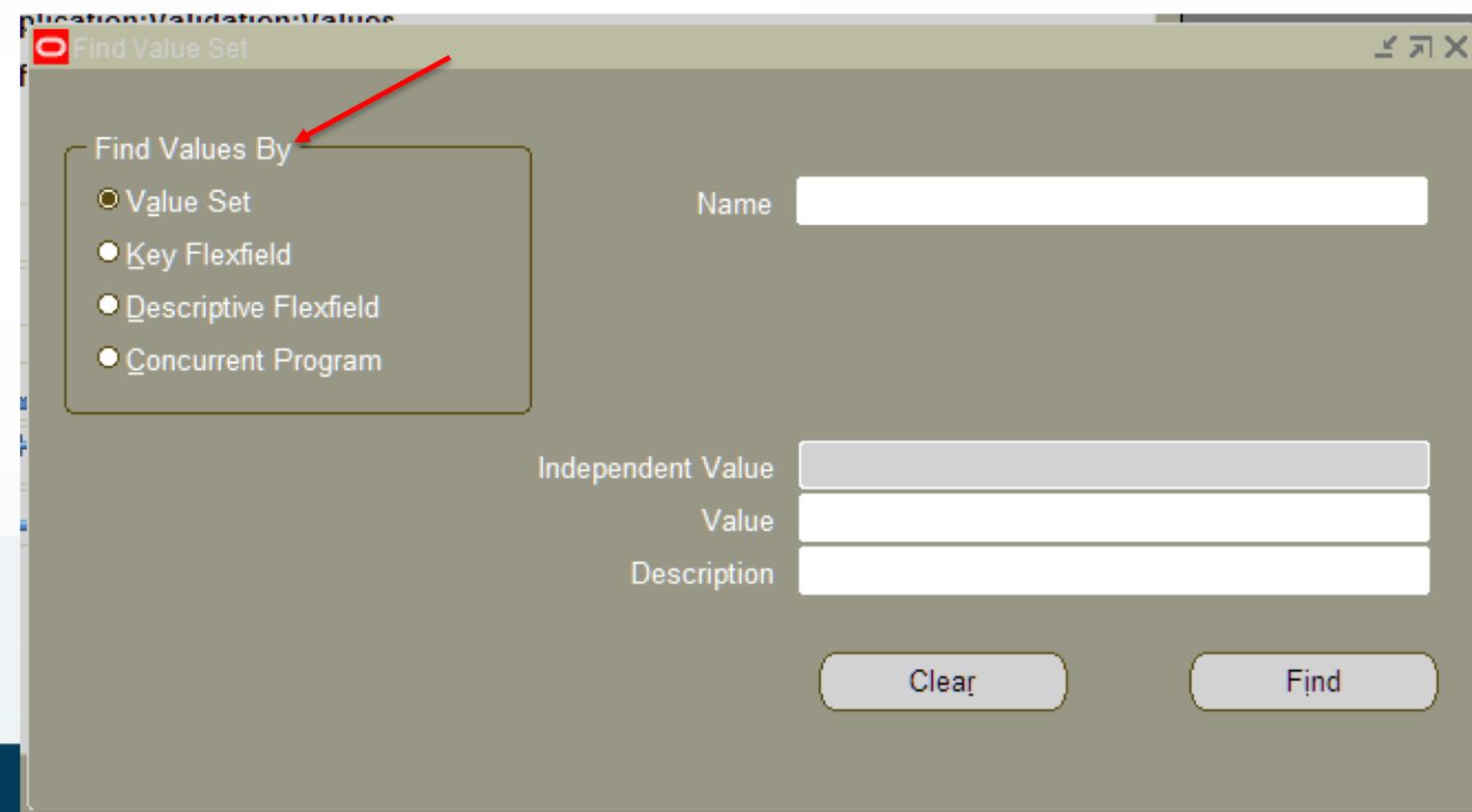
# How to Implement FlexField Value Set Security More Restrictively

# 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)

- 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



- 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

Code	Title	Description	View Name
ACCOUNTING_FLEXFI	Accounting Flexfield		
ORM Accounting Flex	ORM Accounting Flexfield	ORM Accounting Flexfield	

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

- 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

ORAACLE User Management

Logged In As JOHN

Roles & Role Inheritance > Create Role

\* 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: (empty)

Permissions

Create Grant

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

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- 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

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

**Create Grant: Define Grant**

\* Indicates required field

\* Name:       Description:

\* Effective From:       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:       Operating Unit:       Responsibility:

**Data Security**

To define a data security policy, select an object.

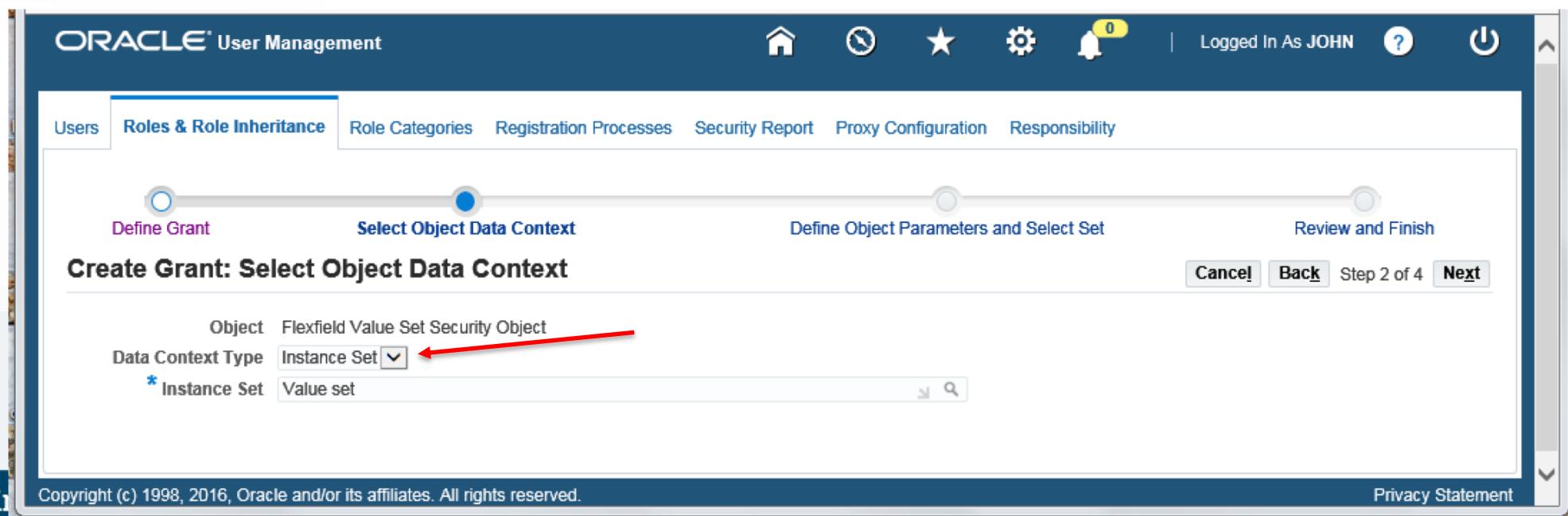
Object:      

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# 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



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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

Object: Flexfield Value Set Security Object

Data Context Type: Instance Set

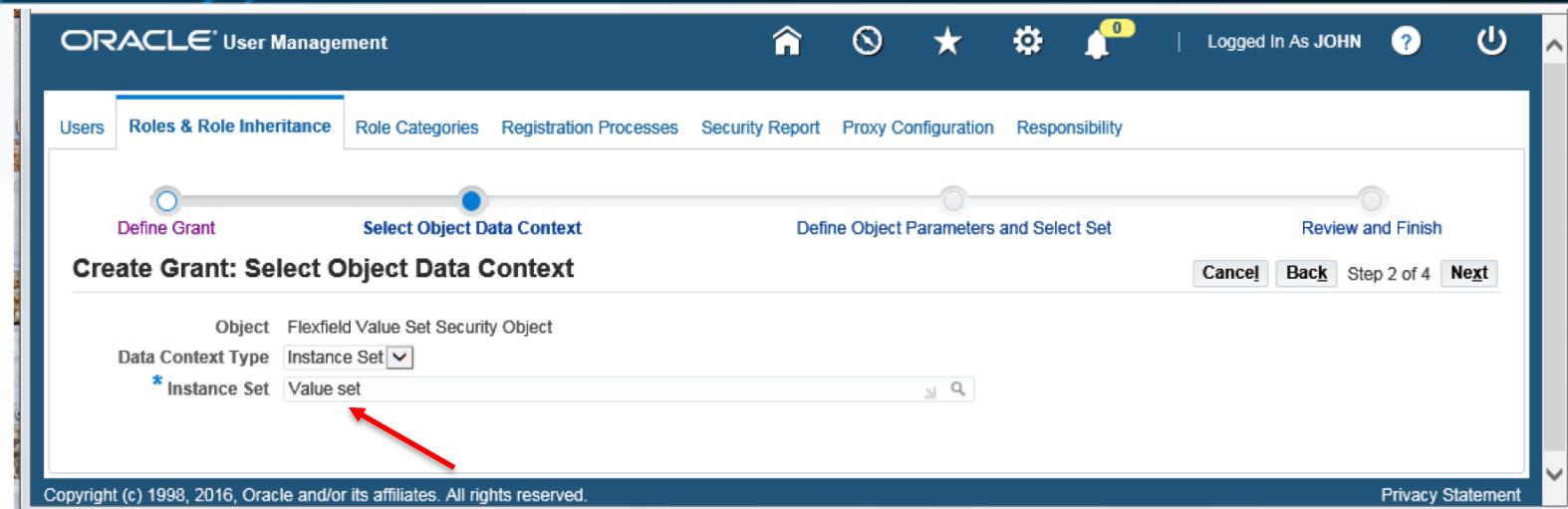
\* Instance Set Value set

Cancel Back Step 2 of 4 Next

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# 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



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

\* 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 flex_value_sets where flex_value_set_id IN (&GRANT_ALIAS.PARAMETER1, &GRANT_ALIAS.PARAMETER2, &GRANT_ALIAS.PARAMETER3, &GRANT_ALIAS.PARAMETER4, &GRANT_ALIAS.PARAMETERS, &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

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# SQL to get the ID\_FLEX\_NAME

- select \* from FND\_ID\_FLEXS;
- -- This shows the ID\_FLEX\_NAME and other details



APPLICATION_ID	ID_FLEX_CODE	ID_FLEX_NAME	LAST_UPD...	LAST_...	CREATION_DATE	CRE...	LAST_...	TABLE...	APPLICATION_TABLE_NAME	ALLOW_I...	DYNAMIC...	IND...	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 Flexfield
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 Flexfield
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 Flexfield
222	RLOC	Sales Tax Location Flexfield	10/5/2005	120	4/29/1999 3:40:25 PM	1	0	222	AR_LOC_COMBINATIONS	Y	Y	N	LOCATION_ID	Oracle Receivables Sales Tax Location Flexfield

# SQL to get the other ID's

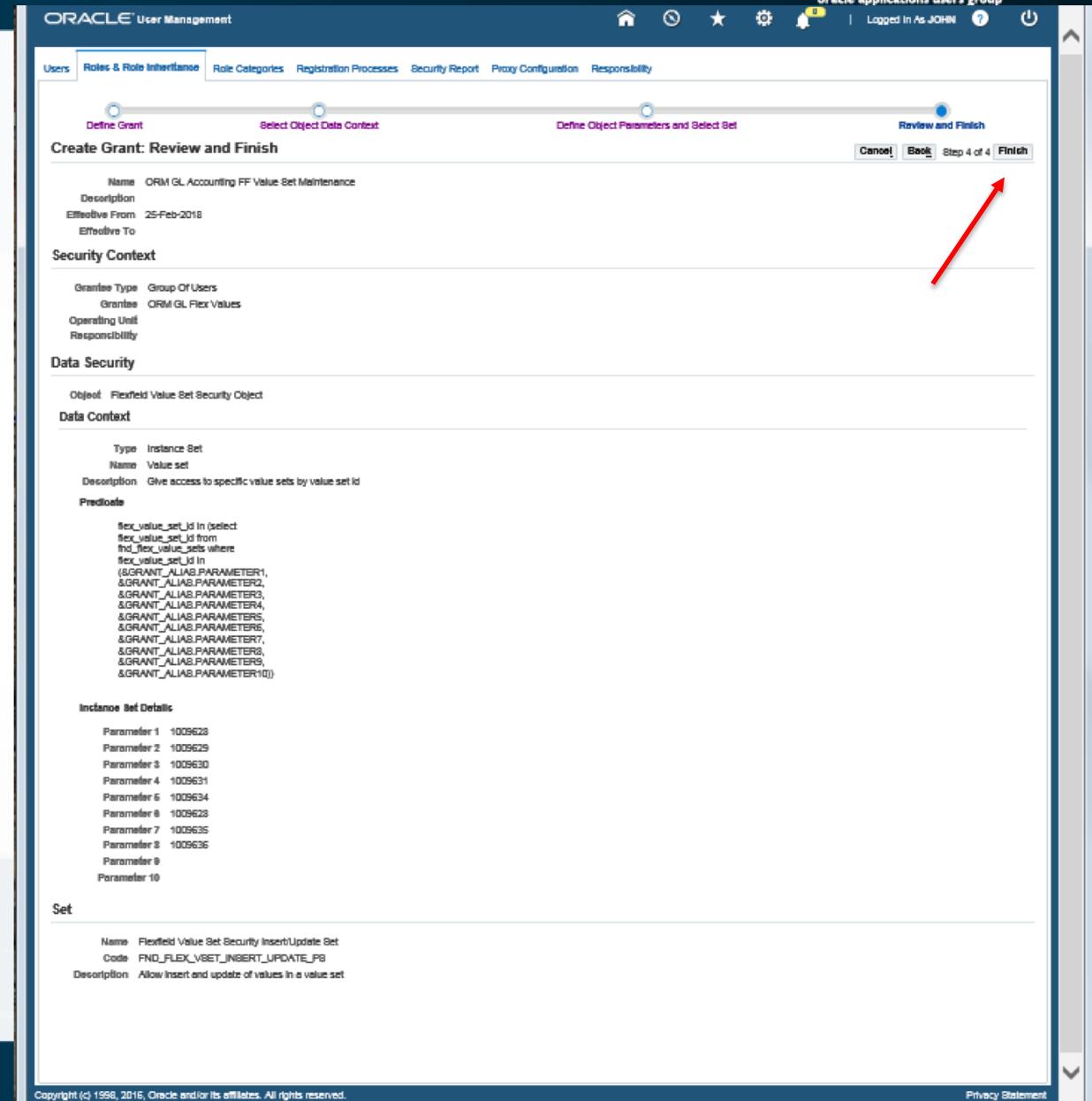
```
• select v.APPLICATION_NAME,  
       v.APPLICATION_ID,  
       v.ID_FLEX_NAME,  
       v.ID_FLEX_CODE,  
       v.ID_FLEX_NUM,  
       v.ID_FLEX_STRUCTURE_NAME,  
       v.SEGMENT_NAME,  
       s.FLEX_VALUE_SET_NAME,  
       v.FLEX_VALUE_SET_ID,  
       v.VALIDATION_TYPE  
  from FND_FLEX_VALUE_SETS 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

- 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



ORAUG™  
oracle applications users group

Logged In As JOHN

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: Review and Finish

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

Security Context

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

Data Security

Object: Flexfield Value Set Security Obj

Data Context

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

Predicates

```
flex_value_set_id in (select
flex_value_set_id from
fnx_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

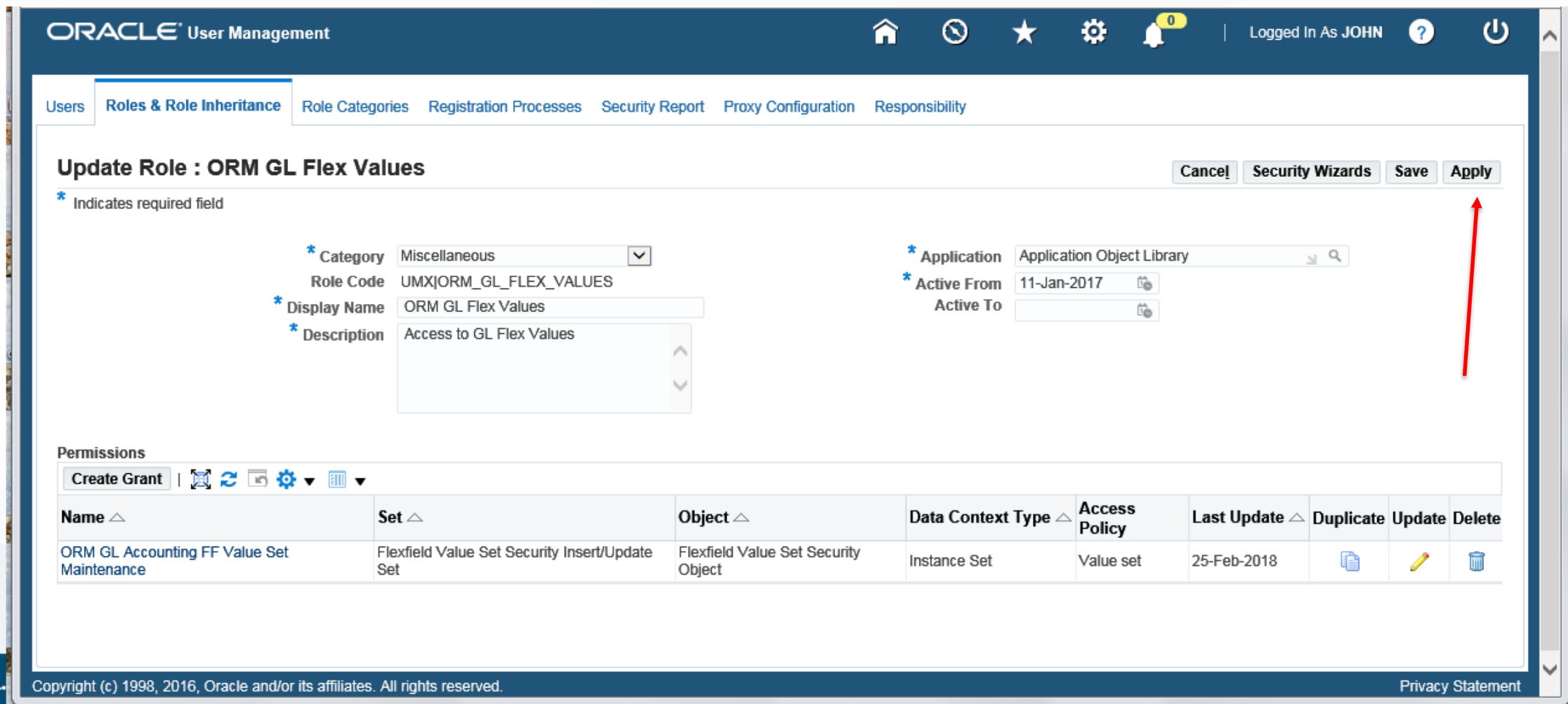
Name: Flexfield Value Set Security Insert/Update Set  
Code: FND\_FLEX\_VSET\_INSERT\_UPDATE\_F8  
Description: Allow Insert and update of values in a value set

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# Grant Assigned to Role

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



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Update Role : ORM GL Flex Values

\* Indicates required field

* Category: Miscellaneous	* Application: Application Object Library
Role Code: UMX ORM_GL_FLEX_VALUES	* Active From: 11-Jan-2017
* Display Name: ORM GL Flex Values	Active To:
* Description: Access to GL Flex Values	

Permissions

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			

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# Assign Role to User

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

ORACLE User Management

Logged In As JOHN

Users > Update User: z\_gl\_access

\* 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

Cancel Reset Password Save Apply

Roles Securing Attributes

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

Assign Roles

Search: Specific Role  Code  ORMI%GL%

Details	Role	Description	Status	Remove
	ORM GL Accounting Flex	Maintain Value Sets used in GL Accounting Flex	Ready for Submission	<input type="button" value=""/>

\* Justification: Testing

\* Active From: 25-Feb-2018

Active To:

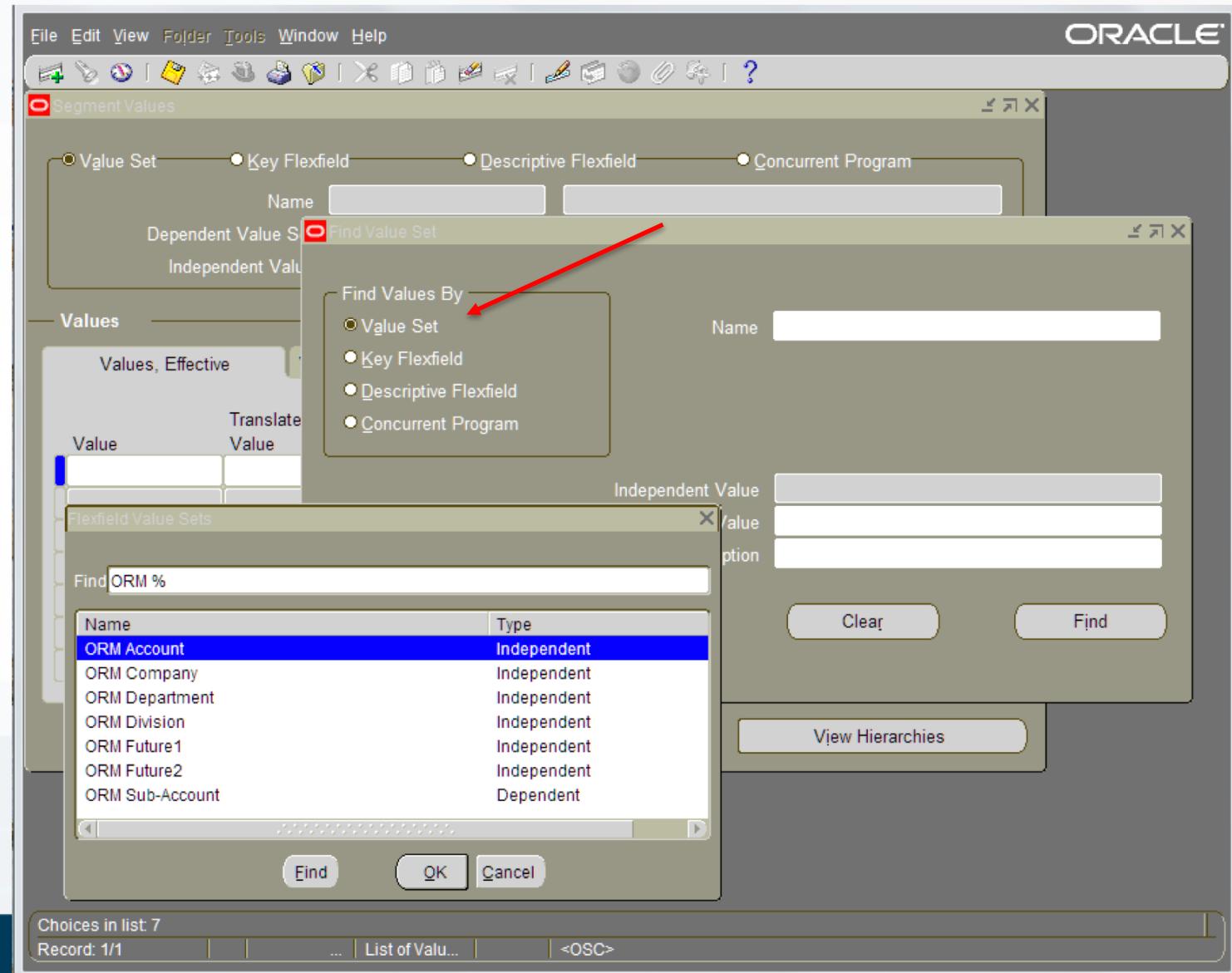
Role Inheritance

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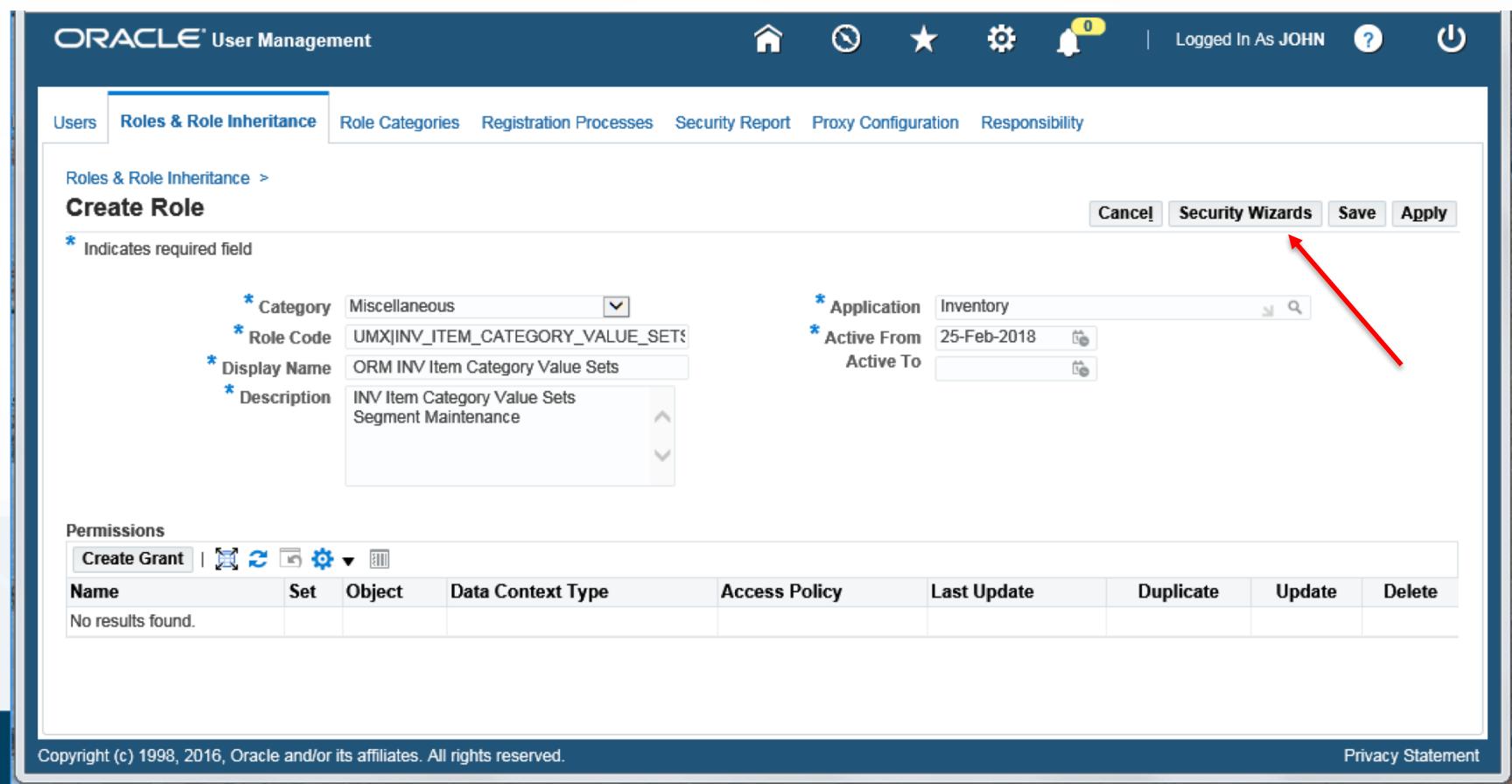
# User Can Insert/Update Value Set Values

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



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

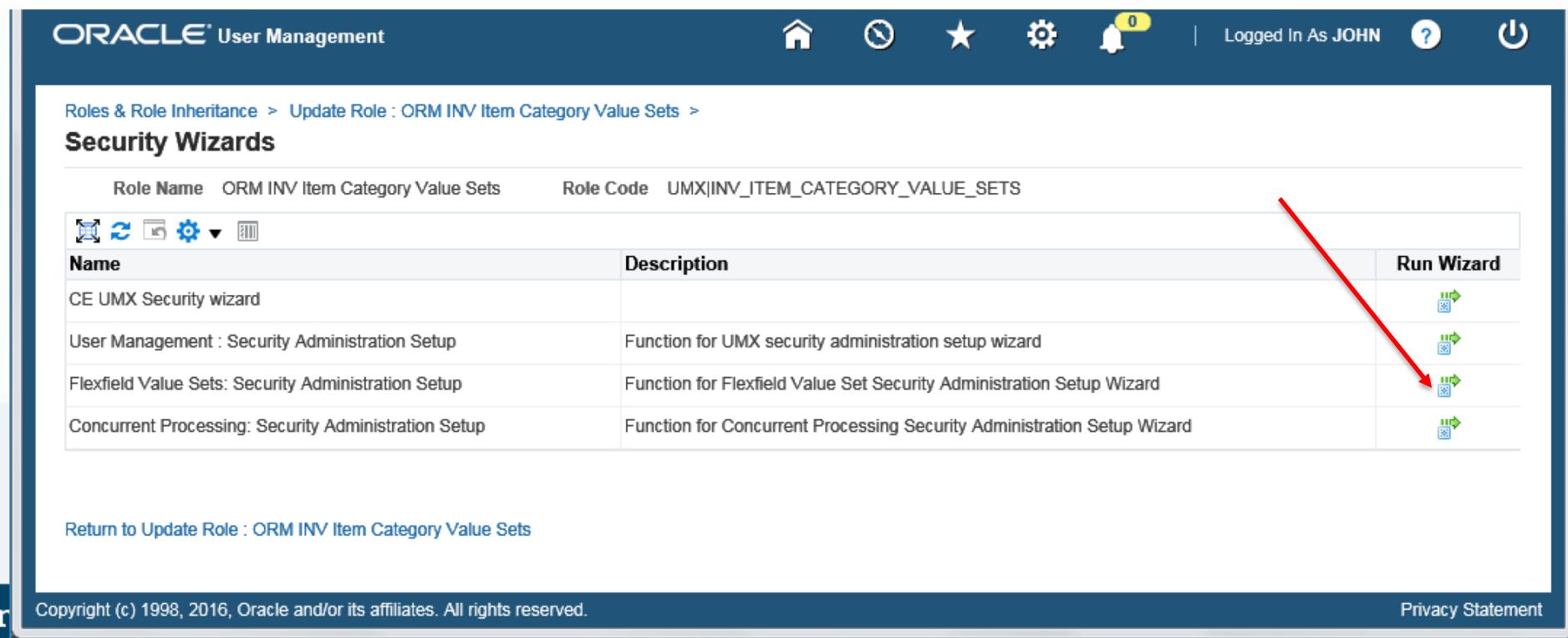
- Role Code:  
UMX|INV\_ITEM\_CATEGORY\_VALUE\_SETS
- Display Name:  
ORM INV Item Category Value Sets
- Click on Security Wizards



The screenshot shows the Oracle User Management interface with the following details:

- Header:** Logged In As JOHN
- Navigation:** Roles & Role Inheritance (selected), Users, Role Categories, Registration Processes, Security Report, Proxy Configuration, Responsibility
- Form Fields (Create Role):**
  - \* 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: (empty)
- Buttons:** Cancel, Security Wizards (highlighted with a red arrow), Save, Apply
- Permissions Section:**
  - Create Grant
  - Permissions table headers: Name, Set, Object, Data Context Type, Access Policy, Last Update, Duplicate, Update, Delete
  - No results found.

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



ORACLE® User Management

Logged In As JOHN

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
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

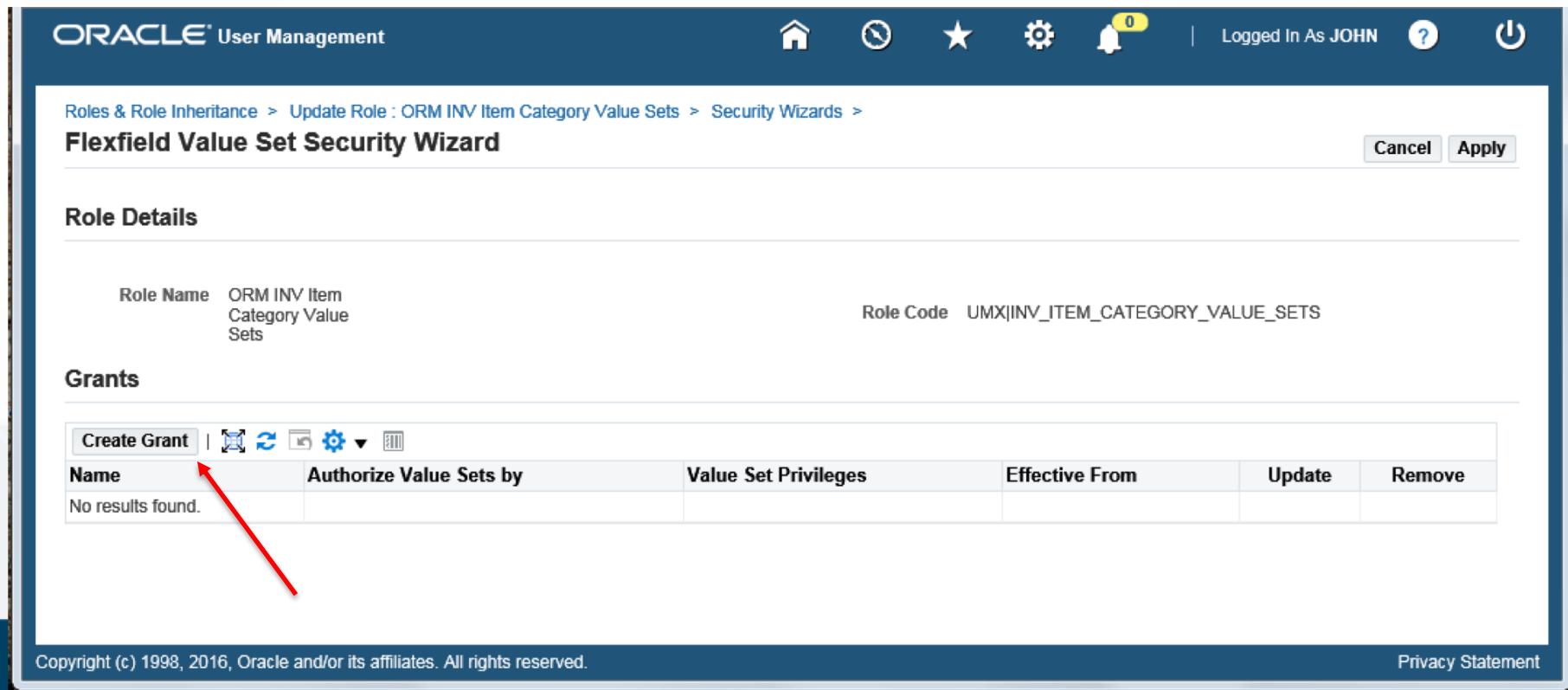
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# Create Grant

- Click Create Grant



ORACLE User Management

Logged In As JOHN

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**

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

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# Define Grant

- Grant Name
- Value Set Privileges
- Authorize Value Sets By
- Select Parameters

ORACLE® User Management

Logged In As JOHN

Value Set Security Wizard

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	

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# Assign Role to User

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

ORACLE User Management

Users > Update User: z\_inv\_access

\* 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

Details	Role	Description	Status	Remove
▶	Application Developer	Application Object Library Application Developer	Assigned	<input type="checkbox"/>
▶	ORM US Inventory Super User	ORM Inventory Super User	Assigned	<input type="checkbox"/>
◀	ORM INV Item Category Value Sets	INV Item Category Value Sets Segment Maintenance	Ready for Submission	<input type="checkbox"/>

\* Justification: Testing

\* Active From: 25-Feb-2018   
Active To:

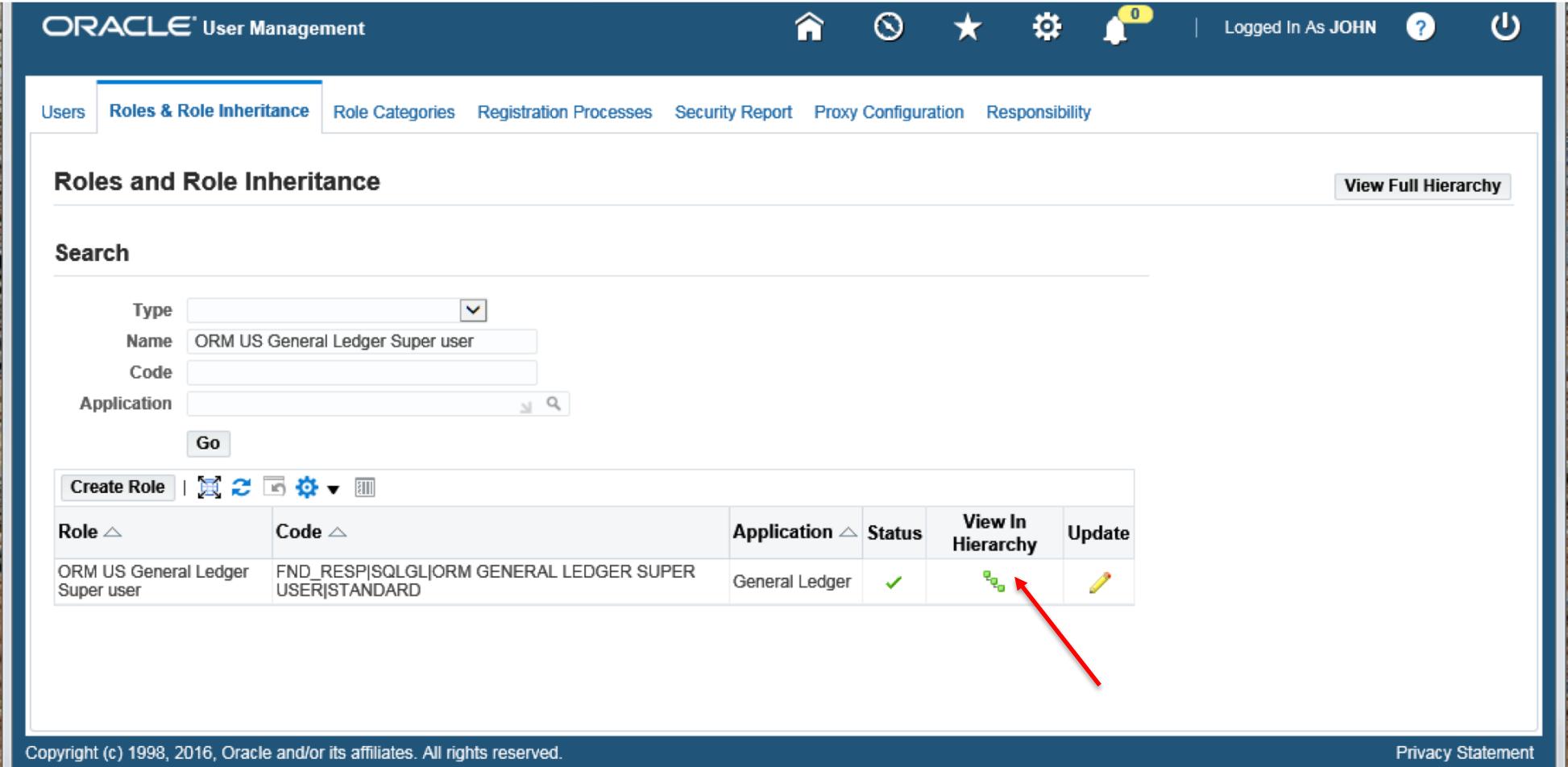
Role Inheritance

# 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



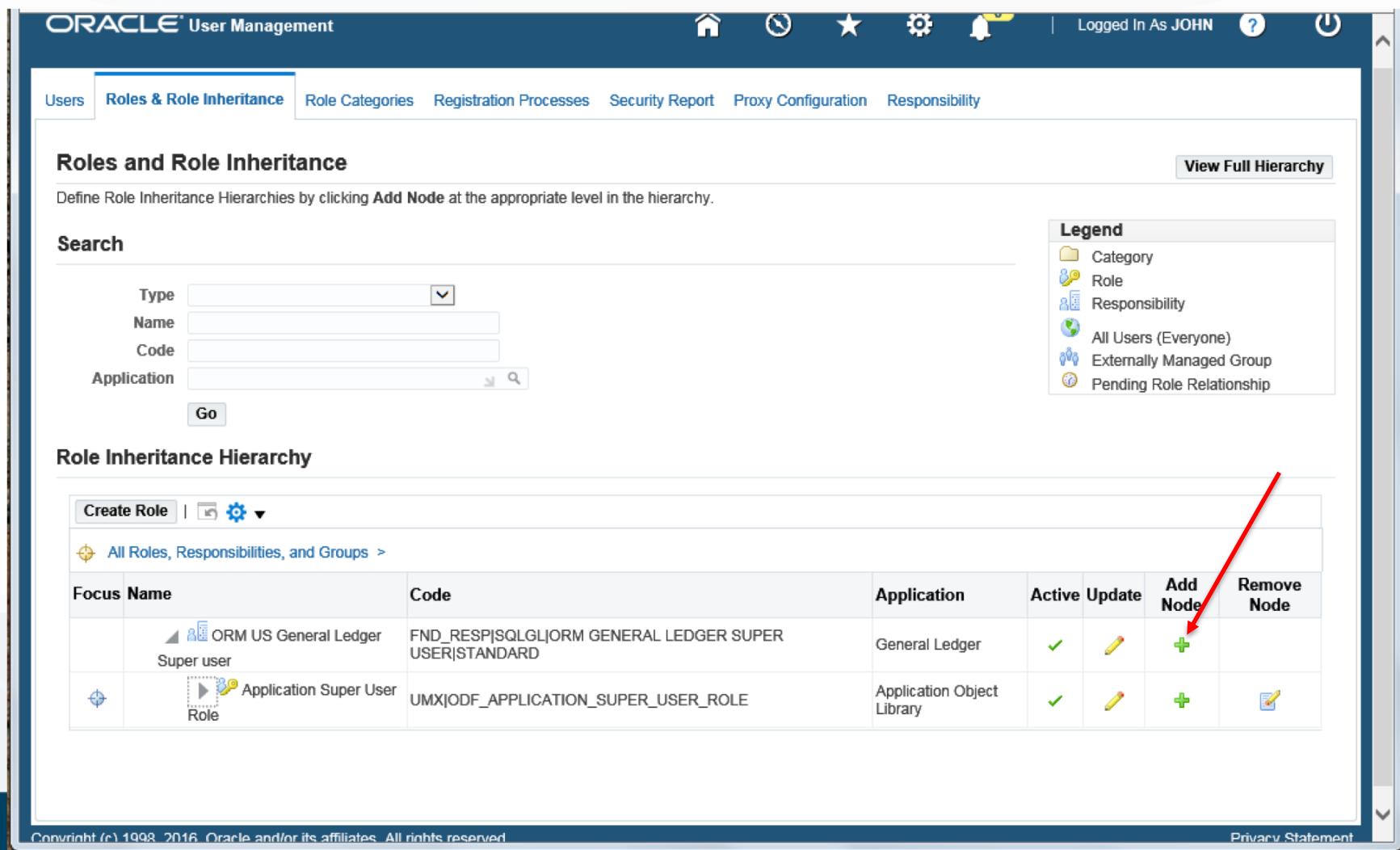
The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Home, Logout, Help, and Notifications (0). The user is logged in as JOHN. The main menu has tabs for Users, Roles & Role Inheritance (which is selected and highlighted in blue), Role Categories, Registration Processes, Security Report, Proxy Configuration, and Responsibility. Below the menu is a search bar with fields for Type, Name (set to 'ORM US General Ledger Super user'), Code, and Application, along with a Go button. A 'Create Role' button and several configuration icons are also present. The main content area displays a table of roles. The table has columns for Role, Code, Application, Status, View In Hierarchy, and Update. A single row is selected, showing 'ORM US General Ledger Super user' in the Role column and 'FND\_RESP|SQLGL|ORM GENERAL LEDGER SUPER USER|STANDARD' in the Code column. The Status column shows a green checkmark. The 'View In Hierarchy' column contains a green icon with a white 'i' and a red arrow points to it. The 'Update' column contains a yellow pencil icon.

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	✓		

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# Adding the Role to a Responsibility

- Click on Green Plus to Add Node



The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Home, Logout, and User JOHN. The main menu has tabs for Users, Roles & Role Inheritance (which is selected), Role Categories, Registration Processes, Security Report, Proxy Configuration, and Responsibility. A 'View Full Hierarchy' button is located in the top right of the main content area. The central area is titled 'Roles and Role Inheritance' and contains a search section with fields for Type, Name, Code, and Application, along with a 'Go' button. To the right is a 'Legend' table mapping icons to categories: Category (folder), Role (key), Responsibility (user), All Users (Everyone) (globe), Externally Managed Group (group), and Pending Role Relationship (circle with dot). Below the search is a 'Role Inheritance Hierarchy' table. The table has columns for Focus, Name, Code, Application, Active, Update, Add Node (with a green plus sign), and Remove Node. The table shows two rows: 'ORM US General Ledger Super user' with code FND\_RESP|SQLGL|ORM GENERAL LEDGER SUPER USER|STANDARD and 'Application Super User Role' with code UMX|ODF\_APPLICATION\_SUPER\_USER\_ROLE. The 'Add Node' column for the first row has a green plus sign, and a red arrow points to this cell. The 'Remove Node' column for the second row has a blue minus sign.

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	✓	✎	+	⊖

# Adding the Role to a Responsibility

- Search For and Select Role

The screenshot shows the Oracle User Management interface. The top navigation bar includes links for Users, Roles & Role Inheritance, Role Categories, Registration Processes, Security Report, Proxy Configuration, and Responsibility. The current page is 'Roles & Role Inheritance'. The main content area is titled 'Define Role Inheritance Hierarchy: Search and Select Roles'. A sub-header states: 'The role you select from the hierarchy will be inherited by everyone assigned the ORM US General Ledger Super user role.' Below this is a 'Search' section with fields for Category (set to 'ORM GL%Value%'), Name ('ORM GL%Value%'), Code, and Application. A 'Go' button is present. To the right is a 'Legend' table:

	Legend
📁	Category
🔑	Role
👤	Responsibility
🌐	All Users (Everyone)
👥	Externally Managed Group

Below the legend is a table with columns: Quick Select, Role, Code, Application, and Active. A single row is selected, showing: Quick Select (radio button), Role ('ORM GL Flex Values'), Code ('UMX|ORM\_GL\_FLEX\_VALUES'), Application ('Application Object Library'), and Active (checkmark). At the bottom of the page, the footer includes the text 'Copyright (c) 1998, 2016, Oracle and/or its affiliates. All rights reserved.' and 'Privacy Statement'.

# Adding the Role to a Responsibility

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

ORAACLE User Management

Logged In As JOHN

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

View Full Hierarchy

Legend

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

Roles and Role Inheritance

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

Search

Type:

Name:

Code:

Application:

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	✓	<input type="button"/>	<input type="button"/>	<input type="button"/>
Application Super User Role	UMX ODF_APPLICATION_SUPER_USER_ROLE	Application Object Library	✓	<input type="button"/>	<input type="button"/>	<input type="button"/>
ORM GL Flex Values	UMX ORM_GL_FLEX_VALUES	Application Object Library	✓	<input type="button"/>	<input type="button"/>	<input type="button"/>

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# 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](mailto:john.peters@jrpjr.com)**

**<http://www.jrpjr.com>**