

# AOL-Application Object Library (FND Foundation Module)

# Outline

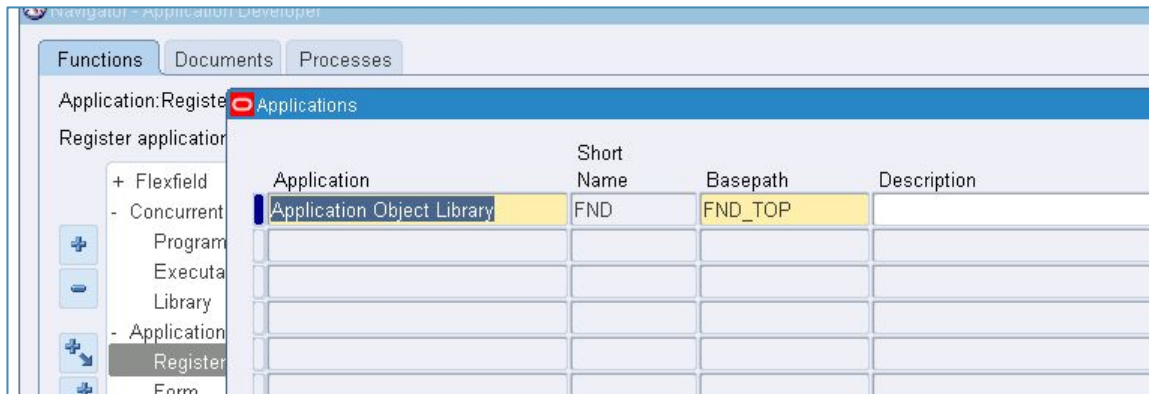
- ▶ AOL
- ▶ AOL Components
- ▶ Developer Tools

# What is AOL

- ▶ AOL - Application Object Library
- ▶ This is a Foundation (FND) Module
- ▶ It keep tracks of the below objects
  - ▶ Users, Responsibilities, Menus, Functions, Concurrent Programs, Lookup, ValueSets, Flexfields, RequestGroup, Messages and many more
  - ▶ Screenshot depicts the contents of \$FND\_TOP

/ora4S/oracle/VIS/apps/apps_st/appl/fnd/12.0.0					
Name	Ext	Size	Changed	Rights	Owner
..			7/22/2014 5:08...	rw-rw-rw-	applmgr
3rdparty			7/22/2014 5:08...	rw-rw-rw-	applmgr
admin			7/22/2014 5:08...	rw-rw-rw-	applmgr
bin			11/19/2018 1:2...	rw-rw-rw-	applmgr
forms			7/22/2014 5:09...	rw-rw-rw-	applmgr
help			7/22/2014 5:09...	rw-rw-rw-	applmgr
html			7/22/2014 5:10...	rw-rw-rw-	applmgr
include			7/22/2014 5:10...	rw-rw-rw-	applmgr
java			7/22/2014 5:11...	rw-rw-rw-	applmgr
lib			7/22/2014 5:11...	rw-rw-rw-	applmgr
log			7/22/2014 5:11...	rw-rw-rw-	applmgr
mds			7/22/2014 5:11...	rw-rw-rw-	applmgr
media			7/22/2014 5:12...	rw-rw-rw-	applmgr
mesg			9/20/2018 4:15...	rw-rw-rw-	applmgr
out			7/22/2014 5:12...	rw-rw-rw-	applmgr
patch			7/22/2014 5:12...	rw-rw-rw-	applmgr
perl			7/22/2014 5:15...	rw-rw-rw-	applmgr
reports			7/22/2014 5:15...	rw-rw-rw-	applmgr
resource			7/22/2014 5:15...	rw-rw-rw-	applmgr
secure			7/22/2014 5:15...	rw-rw-rw-	applmgr
sql			7/22/2014 5:15...	rw-rw-rw-	applmgr
usrxit			7/22/2014 5:15...	rw-rw-rw-	applmgr
xml			7/22/2014 5:16...	rw-rw-rw-	applmgr
fndenv.env		1,585	7/22/2014 5:09...	rw-rw-rw-	applmgr

# What is AOL



```
SELECT FAT.APPLICATION_ID, fa.application_short_name,  
FAT.APPLICATION_NAME  
FROM FND_APPLICATION_TL FAT, FND_APPLICATION FA  
WHERE 1=1  
AND FAT.APPLICATION_ID = fa.application_id;
```

Query Result x

SQL | Fetched 50 rows in 0.016 seconds

	APPLICATION_ID	APPLICATION_SHORT_NAME	APPLICATION_NAME
1	0	FND	Application Object Library

# AOL Components-Lookup

The screenshot shows the 'Navigator - Application Developer' window. The left pane displays a tree structure under 'Application Object Library Lookups'. The right pane shows the configuration for a lookup type 'XXLT\_ERP\_LIST'. Below the configuration, a table lists the lookup values. A SQL query is entered in the 'Query Result' window, and its results are displayed below it.

Application Object Library Lookups

Type: XXLT\_ERP\_LIST  
Meaning: XXLT\_ERP\_LIST  
Application: Application Object Library  
Description:

Effective Dates: From: 22-JAN-2019

Code	Meaning	Description	Tag	From
EBS	E-Business Suite			22-JAN-2019
FAPPS	Fusion Apps			
PSFT	People Soft			
WD	Workday			
SF	Salesforce			
SAP	Systems Applications			
DYN	Dynamics			

```
SELECT lookup_type, lookup_code, meaning
FROM fnd_lookup_values
where lookup_type='XXLT_ERP_LIST';
```

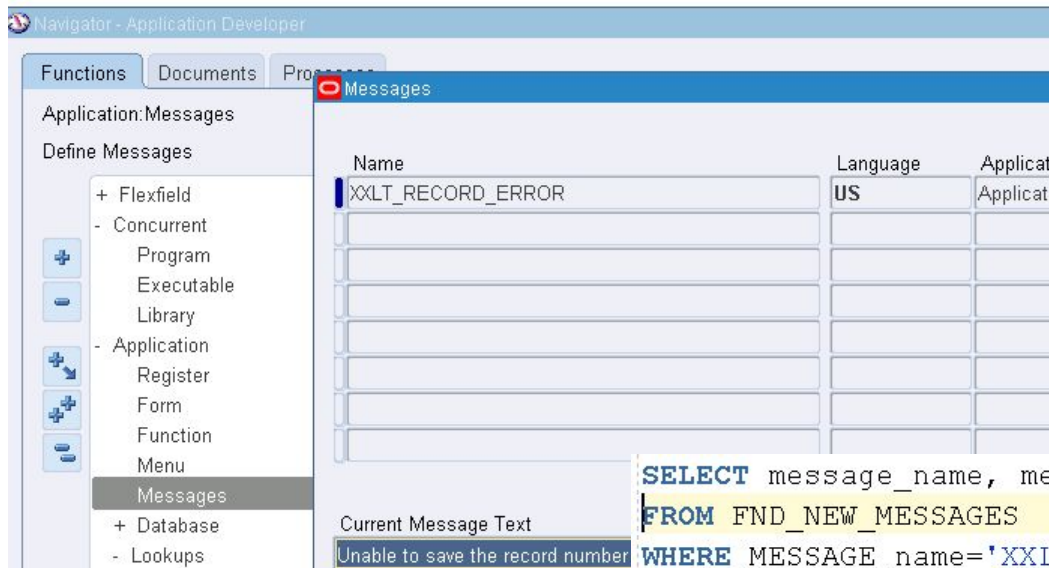
Query Result: x

All Rows Fetched: 7 in 0 seconds

	LOOKUP_TYPE	LOOKUP_CODE	MEANING
1	XXLT ERP LIST DYN		Dynamics
2	XXLT ERP LIST EBS		E-Business Suite
3	XXLT ERP LIST FAPPS		Fusion Apps
4	XXLT ERP LIST PSFT		People Soft
5	XXLT ERP LIST SAP		Systems Applications Products
6	XXLT ERP LIST SF		Salesforce
7	XXLT ERP LIST WD		Workday

Usages: PLSQL, Reports, Forms, OAF Pages, Workflow

# AOL Components - Messages



Usages : For displaying Error, Warning, Confirmation Messages  
In Forms, Reports, Workflow, OAF, PLSQL

```
SELECT message_name, message_text  
FROM FND_NEW_MESSAGES  
WHERE MESSAGE_name='XXLT_RECORD_ERROR';
```

Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

MESSAGE_NAME	MESSAGE_TEXT
XXLT RECORD ERROR	Unable to save the record number &P RECORD NO, E

# AOL Components - ValueSet

The screenshot shows the 'Navigator - Application Developer' window. On the left, the 'Functions' tab is active, and the 'Define value set' section is expanded. The 'Set' option is selected under the 'Validation' category. The main area displays the 'Value Sets' configuration for 'XXLT\_EBS\_MODULES'. The 'List Type' is set to 'List of Values'. The 'Format Validation' section shows 'Format Type' as 'Char' with a 'Maximum Size' of 20. The 'Value Validation' section shows 'Validation Type' as 'Independent'.

Value Set Name: XXLT\_EBS\_MODULES

Description:

List Type: List of Values

Security Type: No Se

Format Validation

Format Type: Char

Maximum Size: 20

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value:

Max Value:

Value Validation

Validation Type: Independent

Usages: PLSQL, Reports, Forms,  
OAF Pages, Workflow,  
Concurrent Program (parameters)



# AOL Components - ValueSet

The screenshot displays the 'Navigator - Application Developer' interface. On the left, a sidebar lists various components like Flexfield, Concurrent, Program, Executable, Library, Application, Register, Form, Function, Menu, Messages, Database, Lookups, Validation, Set, Values, Profile, and Attachments. The 'Values' component is selected.

The main window shows the 'Segment Values' configuration for 'Value Set'. The 'Name' field is set to 'XXLT\_EBS\_MODULES'. Below this, a table lists the values for this set:

Value	Translated Value	Description
FND	FND	Application Object Library
FIN	FIN	Financials
SCM	SCM	Supply Chain Management
PPM	PPM	Project Portfolio Management
CRM	CRM	Customer Relationship Management
HRMS	HRMS	Human Resources Management

On the right, a SQL query is shown, which is used to fetch the data for the ValueSet:

```
SELECT fftv.flex_value_meaning, fftv.description
FROM FND_Flex_Value_sets ffvs , fnd_flex_values ffv,
fnd_flex_values_tl fftv
where ffvs.flex_value_set_name='XXLT_EBS_MODULES'
AND ffvs.flex_value_set_id = ffv.flex_value_set_id
AND fftv.flex_value_id = ffv.flex_value_id;

select * from fnd_flex_values ;
```

Below the query, a table shows the results of the query:

FLEX_VALUE_MEANING	DESCRIPTION
1 FND	Application Object Library
2 FIN	Financials
3 SCM	Supply Chain Management
4 PPM	Project Portfolio Management
5 CRM	Customer Relationship Management
6 HRMS	Human Resources Management



# AOL Components - Creating User

Navigator - System Administrator

Functions Document **Users**

Security:User:Define

Define application user

- + Oracle Application
- + Concurrent
- + Profile
- + Application
- + Install
- + Requests
- + Workflow
- + AK
- + Define Profile C
- Security
- User
- Define
- Monitor
- + Responsibility
- + ORACLE
- + AuditTrail
- Web PL/SQL
- + Generic File M
- + System Admin

User Name: XXLT

Password:

Description: XXLT User

Status:

Password Expiration

☐ Days

☐ Accesses

☒ None

Person: Scott, Ms. Liz

Customer:

Supplier:

E-Mail:

Fax:

Effective Dates

From: 22-JAN-2007

To:

Direct Responsibilities Indirect Responsibilities Securing Attributes

Responsibility	Application	Description
Application Developer	Application Object Lib	
System Administration	Oracle iProcurement	
System Administrator	System Administration	
XML Publisher Administrator	XML Publisher	
Workflow Administrator Web	Application Object Lib	

```
SELECT user_id, user_name,  
description , employee_id, ppx.full_name  
FROM FND_USER FU , PER_PEOPLE_X PPX  
WHERE FU.USER_NAME='XXLT'  
AND FU.EMPLOYEE_ID = PPX.PERSON_ID;
```

Query Result x

All Rows Fetched: 1 in 0.157 seconds

USER_ID	USER_NAME	DESCRIPTION	EMPLOYEE_ID	FULL_NAME
1014002	XXLT	XXLT User	10733	Scott, Ms. Liz

# AOL Components- Migration

- ▶ FNDLOAD - FNDLoader Command
  - ▶ LDT - Loader Data File
  - ▶ LCT - Loader Control File
  - ▶ Download - To Download LDT File
  - ▶ Upload - To Upload LDT File

# Developer Tools

- ▶ Oracle E-Business Suite (Any Version R12.1.3, R12.2.\*)
- ▶ Notepad++
- ▶ Winscp
- ▶ Putty
- ▶ Unix Basics