

# AOL-Application Object Library-Advanced (FND Foundation Module)

# Outline

- ▶ AOL Components
- ▶ Migration(LDT/LCT)
- ▶ 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 , RequestSet, Form Personalization, XML Publisher Template Definition, Profiles

# AOL Components

- ▶ **USER**
  - ▶ RESPONSIBILITY
    - ▶ MENU
      - ▶ Function
        - ▶ Form/OAF

# AOL Components - Form Registration(D2K Form)

Navigator - Application Developer

Functions Documents Processes

Application:Form

Register form information

- + Flexfield
- + Concurrent
- Application
  - Register
    - Form
- Function
- Menu
- Messages
- + Database
- + Lookups
- + Validation
- Profile
- + Attachments
- + Other

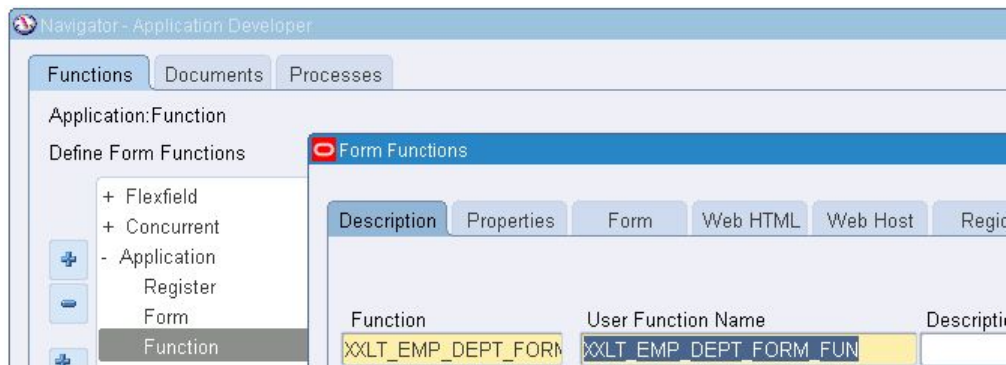
Form	Application	User Form Name	Description
XXLT_EMP_DEPT	Purchasing	XXLT Employee Dept Details	

```
select form_id,  
form_name, user_form_name  
from fnd_form_vl where form_name like 'XXLT%';
```

SQL | All Rows Fetched: 1 in 0.016 seconds

FORM_ID	FORM_NAME	USER_FORM_NAME
60638	XXLT EMP DEPT DETAILS	XXLT Employee Dept Details

# AOL Components - Form -Function Registration(D2K Form)



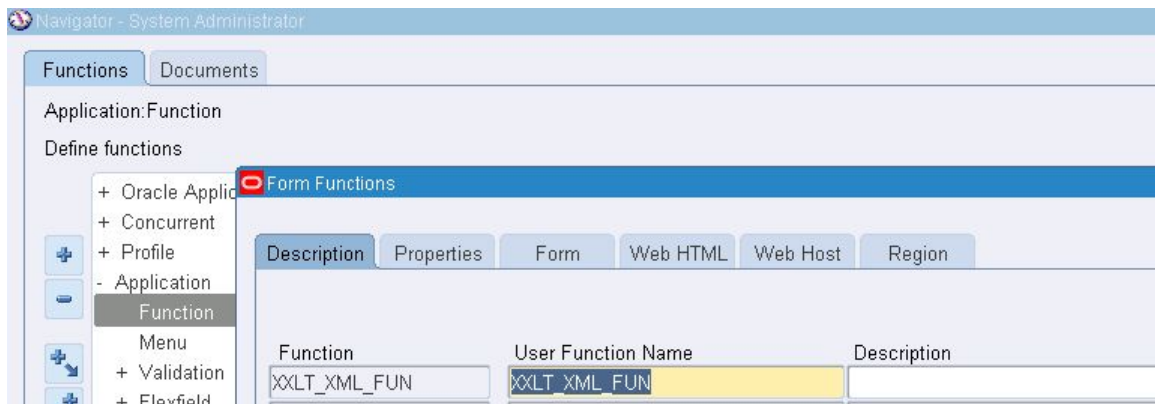
```
SELECT function_id,  
function_name, user_function_name  
FROM FND_FORM_FUNCTIONS_VL WHERE  
function_name = 'XXLT_EMP_DEPT_FORM_FUN'
```

Query Result x

SQL | All Rows Fetched: 1 in 0.015 seconds

FUNCTION_ID	FUNCTION_NAME	USER_FUNCTION_NAME
1049674	XXLT EMP DEPT FORM FUN	XXLT EMP DEPT FORM FUN

# AOL Components - Function Registration(OAF Page)



```
select  
function_id, function_name, web_html_Call  
from fnd_form_functions where function_name like 'XXLT%';
```

Result x

SQL | All Rows Fetched: 1 in 0 seconds

FUNCTION_ID	FUNCTION_NAME	WEB_HTML_CALL
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1049673	XXLT XML FUN	OA.jsp?OAHF=XDO_TEMPLATE_MANAGER&OAPB=XDO_BRANDING&OASF=
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# AOL Components - Menu Registrat

```
select * from fnd_menus where menu_name = 'XXLT_MENU' ;
```

Query Result - X

SQL | All Rows Fetched: 1 in 0 seconds

MENU_ID	MENU_NAME	LAST_UPDATE_DATE	LAST_UPDATED_BY	LAST_UPDATE_LOGIN	CREATION_DATE
1026607	XXLT MENU	22-JAN-19	1318	5520702	22-JAN-19

Navigator - Application Developer

Functions Documents Processes

Application: Menu

Define menu

Menu: XXLT\_MENU

User Menu Name: XXLT\_MENU

Menu Type:

Description:

Seq	Prompt	Submenu	Function
10	Emp Dept Form		XXLT_EMP_DEPT_FORM
20	XML Publisher		XXLT_XML_FUN

Messages

+ Database

+ Lookups

+ Validation

Profile

```
select fm.menu_name,
fmet.entry_sequence, fmet.prompt, fme.function_id,
fffv.user_function_name
from fnd_menu_entries_tl fmet, fnd_menu_entries fme , fnd_menus fm
, FND_FORM_FUNCTIONS_VL fffv
where
fm.menu_id = fmet.menu_id
AND fmet.menu_id = fme.menu_id
AND menu_name = 'XXLT_MENU'
and fmet.entry_sequence = fme.entry_sequence
and fffv.function_id = fme.function_id
```

Query Result - X

SQL | All Rows Fetched: 2 in 0 seconds

MENU_NAME	ENTRY_SEQUENCE	PROMPT	FUNCTION_ID	USER_FUNCTION_NAME
XXLT MENU	10	Emp Dept Form	1049674	XXLT EMP DEPT FORM FUN
XXLT MENU	20	XML Publisher	1049673	XXLT XML FUN



# AOL Components - Responsibility Registration

**Responsibilities**

Responsibility Name: **XXLT\_RESP**  
 Application: **Application Object Library**  
 Responsibility Key: **XXLT\_RESP\_KEY**  
 Description:

Effective Dates: From **22-JAN-2019** To

Available From:  
☒ Oracle Applications  
☐ Oracle Self Service Web Applications  
☐ Oracle Mobile Applications

Menu: **XXLT\_MENU**  
 Web Host Name:  
 Web Agent Name:

Data Group:  
 Name: **Standard**  
 Application: **Application Object Library**

Request Group:  
 Name:  
 Application:

Menu Exclusions:

Type	Name	Description

```
select frv.responsibility_name, frv.menu_id,
fm.menu_name, fmet.entry_sequence, fmet.prompt, fme.function_id,
fffv.user_function_name
from FND_RESPONSIBILITY_VL frv, fnd_menu_entries_tl fmet, fnd_menu_entries fme,
FND_FORM_FUNCTIONS_VL fffv
WHERE frv.responsibility_name='XXLT_RESP'
AND frv.menu_id = fmet.menu_id
AND fm.menu_id = fmet.menu_id
AND fmet.menu_id = fme.menu_id
and fmet.entry_sequence = fme.entry_sequence
and fffv.function_id = fme.function_id;
```

Result x

SQL | All Rows Fetched: 2 in 0.016 seconds

RESPONSIBILITY_NAME	MENU_ID	MENU_NAME	ENTRY_SEQUENCE	PROMPT	FUNCTION_ID	USER_FUNCTION_NAME
XXLT RESP	1026607	XXLT MENU	10	Emp Dept Form	1049674	XXLT EMP DEPT FO
XXLT RESP	1026607	XXLT MENU	20	XML Publisher	1049673	XXLT XML FUN

# AOL Components - Assign Resp to User

Navigator - System Administrator

**Users**

Security:User:Define  
Define application user

User Name: XXLT  
Password:   
Description: XXLT User  
Status: Active  
Password Expiration:   
☐ Days   
☐ Accesses   
☒ None

**Direct Responsibilities** | Indirect Responsibilities

Responsibility	Application
Application Developer	Application Object Lib
<b>XXLT_RESP</b>	Application Object Lib
Workflow Administrator Web	Application Object Lib
System Administrator	System Administration
System Administration	Oracle iProcurement

```

SELECT furgd.user_id, fu.user_name, furgd.responsibility_id,
frv.responsibility_name
FROM FND_USER_RESP_GROUPS_DIRECT furgd , fnd_user fu
, FND_RESPONSIBILITY_VL frv
WHERE (furgd.USER_ID=fu.user_id)
AND fu.user_name='XXLT'
AND frv.responsibility_id = furgd.responsibility_id
;
    
```

Result x | All Rows Fetched: 6 in 0.046 seconds

USER_ID	USER_NAME	RESPONSIBILITY_ID	RESPONSIBILITY_NAME
1014002XXLT		20419	Application Developer
1014002XXLT		24195	XML Publisher Administrator
1014002XXLT		66345	XXLT_RESP
1014002XXLT		20420	System Administrator
1014002XXLT		20872	System Administration
1014002XXLT		21615	Workflow Administrator Web Applications

# AOL Components- Migration

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

# FNDLOAD - Upload/Download - USER

- ▶ FNDLOAD apps/apps 0 Y DOWNLOAD  
\$FND\_TOP/patch/115/import/afscursp.lct XXLT.ldt  
FND\_USER USER\_NAME='XXLT'
- ▶ FNDLOAD apps/\$CLIENT\_APPS\_PWD 0 Y UPLOAD  
\$FND\_TOP/patch/115/import/afscursp.lct XXLT.ldt

# FNDLOAD - Upload/Download

## - Menus

- ▶ `$FND_TOP/bin/FNDLOAD apps/apps O Y DOWNLOAD`  
`$FND_TOP/patch/115/import/afsload.lct`  
`XXLT_MENU.ldt MENU MENU_NAME='XXLT_MENU'`
- ▶ `$FND_TOP/bin/FNDLOAD apps/apps O Y UPLOAD`  
`$FND_TOP/patch/115/import/afsload.lct`  
`XXLT_MENU.ldt`

# Developer Tools

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