

MIGRATING INDIVIDUAL PERSONALIZATIONS for a BLOCK or FUNCTION.

Have you ever needed to move just one personalization on a form, but not all of the rest. Oracle's FND_LOAD will extract all personalizations for each function, then delete all personalizations for that function on the destination instance and reload them. This may cause problems if you have multiple people working on separate solutions where one person may delete the other personalizations when loading. Here is a handy script that can be used in R11 and R12 that mimics the FND_LOAD code in a direct sql script.

1. Run as a sql script in TOAD, SQL Plus, SQL Developer from Source instance

Parameter is the Personalization description – assumes all are distinct. A good practice is to name personalizations with Block_name||object_number.x , this allows for multiple personalizations for one solution all displayed and executed in sequence as well as helping organize the personalizations

2. Save output to a sql script
3. Execute in destination instance

NOTE: Personalization descriptions MUST be distinct across all forms and functions. It is best to have a proper naming convention standard for all personalizations.

R12 Version

```
SELECT 'set define off' FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_actions WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||');'
FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_scopes WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||');'
FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_rules WHERE id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||');'
FROM dual
UNION ALL
SELECT 'COMMIT;' FROM dual
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_RULES (ID, FUNCTION_NAME, DESCRIPTION, TRIGGER_EVENT, TRIGGER_OBJECT, CONDITION, SEQUENCE, CREATED_BY,
CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, ENABLED, FIRE_IN_ENTER_QUERY, RULE_KEY, FORM_NAME, RULE_TYPE ' ||
') VALUES ( '||
'FND_FORM_CUSTOM_RULES_S.NEXTVAL'||CHR(44)||
CHR(39)||FUNCTION_NAME||CHR(39)||CHR(44)||
CHR(39)||DESCRIPTION||CHR(39)||CHR(44)||
CHR(39)||TRIGGER_EVENT||CHR(39)||CHR(44)||
CHR(39)||TRIGGER_OBJECT||CHR(39)||CHR(44)||
CHR(39)||REPLACE(CONDITION,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
SEQUENCE||CHR(44)||
-1||CHR(44)||
'SYSDATE'||CHR(44)||
-1||CHR(44)||
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'SYSDATE' || CHR(44) ||
0 || CHR(44) ||
CHR(39) || ENABLED || CHR(39) || CHR(44) ||
CHR(39) || FIRE_IN_ENTER_QUERY || CHR(39) || CHR(44) ||
CHR(39) || RULE_KEY || CHR(39) || CHR(44) ||
CHR(39) || FORM_NAME || CHR(39) || CHR(44) ||
CHR(39) || RULE_TYPE || CHR(39) || '' ;'
FROM FND_FORM_CUSTOM_RULES
WHERE description = :p_description
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_ACTIONS (
SEQUENCE, PROPERTY_VALUE, ARGUMENT_TYPE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, TARGET_OBJECT,
ACTION_TYPE, ENABLED, OBJECT_TYPE, FOLDER_PROMPT_BLOCK, MESSAGE_TYPE, MESSAGE_TEXT, SUMMARY, BUILTIN_TYPE, BUILTIN_ARGUMENTS, LANGUAGE, RULE_ID,
PROPERTY_NAME, MENU_ENTRY, MENU_LABEL, MENU_SEPERATOR, MENU_ENABLED_IN, MENU_ACTION, MENU_ARGUMENT_LONG, MENU_ARGUMENT_SHORT, ACTION_ID,
REQUEST_APPLICATION_ID )'
VALUES ( ||
SEQUENCE || CHR(44) ||
CHR(39) || REPLACE(PROPERTY_VALUE, CHR(39), CHR(39) || CHR(39)) || CHR(39) || CHR(44) ||
CHR(39) || ARGUMENT_TYPE || CHR(39) || CHR(44) ||
-1 || CHR(44) ||
'SYSDATE' || CHR(44) ||
-1 || CHR(44) ||
'SYSDATE' || CHR(44) ||
0 || CHR(44) ||
CHR(39) || TARGET_OBJECT || CHR(39) || CHR(44) ||
CHR(39) || ACTION_TYPE || CHR(39) || CHR(44) ||
CHR(39) || ENABLED || CHR(39) || CHR(44) ||
CHR(39) || OBJECT_TYPE || CHR(39) || CHR(44) ||
CHR(39) || FOLDER_PROMPT_BLOCK || CHR(39) || CHR(44) ||
CHR(39) || MESSAGE_TYPE || CHR(39) || CHR(44) ||
CHR(39) || REPLACE(MESSAGE_TEXT, CHR(39), CHR(39) || CHR(39)) || CHR(39) || CHR(44) ||
CHR(39) || SUMMARY || CHR(39) || CHR(44) ||
CHR(39) || BUILTIN_TYPE || CHR(39) || CHR(44) ||
CHR(39) || REPLACE(BUILTIN_ARGUMENTS, CHR(39), CHR(39) || CHR(39)) || CHR(39) || CHR(44) ||
CHR(39) || LANGUAGE || CHR(39) || CHR(44) ||
'(SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = ' || CHR(39) || (SELECT description FROM
fnd_form_custom_rules fcr2 WHERE fca.rule_id = fcr2.id) || CHR(39) || '' )' || CHR(44) ||
CHR(39) || PROPERTY_NAME || CHR(39) || CHR(44) ||
CHR(39) || MENU_ENTRY || CHR(39) || CHR(44) ||
CHR(39) || REPLACE(MENU_LABEL, CHR(39), CHR(39) || CHR(39)) || CHR(39) || CHR(44) ||
CHR(39) || MENU_SEPERATOR || CHR(39) || CHR(44) ||
CHR(39) || MENU_ENABLED_IN || CHR(39) || CHR(44) ||
CHR(39) || MENU_ACTION || CHR(39) || CHR(44) ||
CHR(39) || REPLACE(MENU_ARGUMENT_LONG, CHR(39), CHR(39) || CHR(39)) || CHR(39) || CHR(44) ||
CHR(39) || MENU_ARGUMENT_SHORT || CHR(39) || CHR(44) ||
'FND_FORM_CUSTOM_ACTIONS_S.NEXTVAL' || CHR(44) ||
NVL(TO_CHAR(REQUEST_APPLICATION_ID), 'NULL') || '' ;'
FROM FND_FORM_CUSTOM_ACTIONS FCA
WHERE RULE_ID = (SELECT id FROM FND_FORM_CUSTOM_RULES WHERE description = :p_description )
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_SCOPES (RULE_ID, LEVEL_ID, LEVEL_VALUE, LEVEL_VALUE_APPLICATION_ID, LAST_UPDATE_DATE, LAST_UPDATED_BY,
CREATION_DATE, CREATED_BY, LAST_UPDATE_LOGIN ) VALUES ('
||
'(SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = ' || CHR(39) || (SELECT description FROM
fnd_form_custom_rules fcr2 WHERE fcs.rule_id = fcr2.id) || CHR(39) || '' )' || CHR(44) ||
LEVEL_ID || chr(44) ||
'(SELECT fr2.responsibility_id
FROM fnd_responsibility fr2 WHERE responsibility_key = ' || chr(39) || (

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SELECT responsibility_key
FROM fnd_form_custom_scopes fc, fnd_responsibility fr, fnd_form_custom_rules fr
WHERE description = :p_description
AND fcs.level_value = fr.responsibility_id
AND fr.id = fc.rule_id
AND level_value_application_id = fr.application_id
AND level_value = responsibility_id||chr(39)||'|'||chr(44)||
'(SELECT fr2.application_id
FROM fnd_responsibility fr2 WHERE responsibility_key = '||chr(39)|||
SELECT responsibility_key
FROM fnd_form_custom_scopes fc, fnd_responsibility fr, fnd_form_custom_rules fr
WHERE description = :p_description
AND fcs.level_value = fr.responsibility_id
AND fr.id = fc.rule_id
AND level_value_application_id = fr.application_id
AND level_value = responsibility_id||chr(39)||'|'||chr(44)||
'SYSDATE' ||chr(44)||
-1||chr(44)||
'SYSDATE' ||chr(44)||
-1||chr(44)||0||)';
FROM
fnd_form_custom_scopes fcs
WHERE level_id in (20,30)
AND rule_id = (SELECT id FROM fnd_form_custom_rules
WHERE description = :p_description)
UNION ALL
SELECT 'COMMIT;' FROM dual

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R11 Version

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SELECT 'set define off' FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_actions WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||)';'
FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_scopes WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||)';'
FROM dual
UNION ALL
SELECT 'DELETE FROM fnd_form_custom_rules WHERE id = (SELECT id FROM fnd_form_custom_rules WHERE description = '||chr(39)||:p_description||chr(39)||)';'
FROM dual
UNION ALL
SELECT 'COMMIT;' FROM dual
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_RULES (ID, FUNCTION_NAME, DESCRIPTION, TRIGGER_EVENT, TRIGGER_OBJECT, CONDITION, SEQUENCE, CREATED_BY,
CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, ENABLED, FIRE_IN_ENTER_QUERY, RULE_KEY, FORM_NAME, RULE_TYPE ' ||
') VALUES (' ||
'FND_FORM_CUSTOM_RULES_S.NEXTVAL' ||CHR(44)||
CHR(39)||FUNCTION_NAME||CHR(39)||CHR(44)||
CHR(39)||DESCRIPTION||CHR(39)||CHR(44)||
CHR(39)||TRIGGER_EVENT||CHR(39)||CHR(44)||
CHR(39)||TRIGGER_OBJECT||CHR(39)||CHR(44)||
CHR(39)||REPLACE(CONDITION,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
SEQUENCE||CHR(44)||
-1||CHR(44)||
'SYSDATE' ||CHR(44)||

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-1||CHR(44)||
'SYSDATE'||CHR(44)||
0||CHR(44)||
CHR(39)||ENABLED||CHR(39)||CHR(44)||
CHR(39)||FIRE_IN_ENTER_QUERY||CHR(39)||';'
FROM FND_FORM_CUSTOM_RULES
WHERE description = :p_description
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_ACTIONS (
SEQUENCE, PROPERTY_VALUE, ARGUMENT_TYPE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, TARGET_OBJECT,
ACTION_TYPE, ENABLED, OBJECT_TYPE, FOLDER_PROMPT_BLOCK, MESSAGE_TYPE, MESSAGE_TEXT, SUMMARY, BUILTIN_TYPE, BUILTIN_ARGUMENTS, LANGUAGE, RULE_ID,
PROPERTY_NAME, MENU_ENTRY, MENU_LABEL, MENU_SEPERATOR, MENU_ENABLED_IN, MENU_ACTION, MENU_ARGUMENT_LONG, MENU_ARGUMENT_SHORT, ACTION_ID,
REQUEST_APPLICATION_ID )'
VALUES (||
SEQUENCE||CHR(44)||
CHR(39)||REPLACE(PROPERTY_VALUE,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(44)||
CHR(39)||ARGUMENT_TYPE||CHR(39)||CHR(44)||
-1||CHR(44)||
'SYSDATE'||CHR(44)||
-1||CHR(44)||
'SYSDATE'||CHR(44)||
0||CHR(44)||
CHR(39)||TARGET_OBJECT||CHR(39)||CHR(44)||
CHR(39)||ACTION_TYPE||CHR(39)||CHR(44)||
CHR(39)||ENABLED||CHR(39)||CHR(44)||
CHR(39)||OBJECT_TYPE||CHR(39)||CHR(44)||
CHR(39)||FOLDER_PROMPT_BLOCK||CHR(39)||CHR(44)||
CHR(39)||MESSAGE_TYPE||CHR(39)||CHR(44)||
CHR(39)||REPLACE(MESSAGE_TEXT,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
CHR(39)||SUMMARY||CHR(39)||CHR(44)||
CHR(39)||BUILTIN_TYPE||CHR(39)||CHR(44)||
CHR(39)||REPLACE(BUILTIN_ARGUMENTS,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
CHR(39)||LANGUAGE||CHR(39)||CHR(44)||
'(SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = '||CHR(39)||'(SELECT description FROM
fnd_form_custom_rules fcr2 WHERE fca.rule_id = fcr2.id)||CHR(39)||')'||CHR(44)||
CHR(39)||PROPERTY_NAME||CHR(39)||CHR(44)||
CHR(39)||MENU_ENTRY||CHR(39)||CHR(44)||
CHR(39)||REPLACE(MENU_LABEL,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
CHR(39)||MENU_SEPERATOR||CHR(39)||CHR(44)||
CHR(39)||MENU_ENABLED_IN||CHR(39)||CHR(44)||
CHR(39)||MENU_ACTION||CHR(39)||CHR(44)||
CHR(39)||REPLACE(MENU_ARGUMENT_LONG,CHR(39),CHR(39)||CHR(39)||CHR(39)||CHR(39)||CHR(44)||
CHR(39)||MENU_ARGUMENT_SHORT||CHR(39)||CHR(44)||
'FND_FORM_CUSTOM_ACTIONS_S.NEXTVAL'||CHR(44)||
NVL(TO_CHAR(REQUEST_APPLICATION_ID),'NULL')||');'
FROM FND_FORM_CUSTOM_ACTIONS FCA
WHERE RULE_ID = (SELECT id FROM FND_FORM_CUSTOM_RULES WHERE description = :p_description )
UNION ALL
SELECT 'INSERT INTO FND_FORM_CUSTOM_SCOPES (RULE_ID, LEVEL_ID, LEVEL_VALUE,LEVEL_VALUE_APPLICATION_ID, LAST_UPDATE_DATE, LAST_UPDATED_BY,
CREATION_DATE, CREATED_BY, LAST_UPDATE_LOGIN ) VALUES ('
||
'(SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = '||CHR(39)||'(SELECT description FROM
fnd_form_custom_rules fcr2 WHERE fcs.rule_id = fcr2.id)||CHR(39)||')'||CHR(44)||
LEVEL_ID||chr(44)||
'(SELECT fr2.responsibility_id
FROM fnd_responsibility fr2 WHERE responsibility_key = '||chr(39)||('
SELECT responsibility_key
FROM fnd_form_custom_scopes fc, fnd_responsibility fr, fnd_form_custom_rules fr

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WHERE description = :p_description
AND fcs.level_value = fr.responsibility_id
AND fr.id = fc.rule_id
AND level_value_application_id = fr.application_id
AND level_value = responsibility_id||chr(39)||'|'||chr(44)||
'(SELECT fr2.application_id
FROM fnd_responsibility fr2 WHERE responsibility_key = '||chr(39)|||
SELECT responsibility_key
FROM fnd_form_custom_scopes fc, fnd_responsibility fr, fnd_form_custom_rules fr
WHERE description = :p_description
AND fcs.level_value = fr.responsibility_id
AND fr.id = fc.rule_id
AND level_value_application_id = fr.application_id
AND level_value = responsibility_id||chr(39)||'|'||chr(44)||
'SYSDATE' ||chr(44)||
-1||chr(44)||
'SYSDATE' ||chr(44)||
-1||chr(44)||0||);'
FROM
fnd_form_custom_scopes fcs
WHERE level_id in (20,30)
AND rule_id = (SELECT id FROM fnd_form_custom_rules
WHERE description = :p_description)
UNION ALL
SELECT 'COMMIT;' FROM dual

```

SAMPLE OUTPUT R11 - Save and run in destination instance.

```

set define off
DELETE FROM fnd_form_custom_actions WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = 'POHEADER16.2 Instantiatethe Tools menu');
DELETE FROM fnd_form_custom_scopes WHERE rule_id = (SELECT id FROM fnd_form_custom_rules WHERE description = 'POHEADER16.2 Instantiatethe Tools menu');
DELETE FROM fnd_form_custom_rules WHERE id = (SELECT id FROM fnd_form_custom_rules WHERE description = 'POHEADER16.2 Instantiatethe Tools menu');
COMMIT;
INSERT INTO FND_FORM_CUSTOM_RULES (ID, FUNCTION_NAME, DESCRIPTION, TRIGGER_EVENT, TRIGGER_OBJECT, CONDITION, SEQUENCE, CREATED_BY, CREATION_DATE,
LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, ENABLED, FIRE_IN_ENTER_QUERY, RULE_KEY, FORM_NAME, RULE_TYPE ) VALUES (
FND_FORM_CUSTOM_RULES_S.NEXTVAL,'LCMANAGE','POHEADER16.2 Instantiatethe Tools menu','WHEN-NEW-FORM-INSTANCE','','',10,-1,SYSDATE,-1,SYSDATE,0,'Y','N');
INSERT INTO FND_FORM_CUSTOM_ACTIONS (
SEQUENCE, PROPERTY_VALUE, ARGUMENT_TYPE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATE_DATE, LAST_UPDATE_LOGIN, TARGET_OBJECT,
ACTION_TYPE, ENABLED, OBJECT_TYPE, FOLDER_PROMPT_BLOCK, MESSAGE_TYPE, MESSAGE_TEXT, SUMMARY, BUILTIN_TYPE, BUILTIN_ARGUMENTS, LANGUAGE, RULE_ID,
PROPERTY_NAME, MENU_ENTRY, MENU_LABEL, MENU_SEPERATOR, MENU_ENABLED_IN, MENU_ACTION, MENU_ARGUMENT_LONG, MENU_ARGUMENT_SHORT, ACTION_ID,
REQUEST_APPLICATION_ID ) VALUES (10,'C',-1,SYSDATE,-1,SYSDATE,0,'S','Y','ITEM','S','','D','','',(SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = 'POHEADER16.2
Instantiatethe Tools menu'),'1550','SPECIAL1','Display ID"s','N','MANAGE','','',FND_FORM_CUSTOM_ACTIONS_S.NEXTVAL,NULL);
INSERT INTO FND_FORM_CUSTOM_SCOPES (RULE_ID, LEVEL_ID, LEVEL_VALUE, LEVEL_VALUE_APPLICATION_ID, LAST_UPDATE_DATE, LAST_UPDATED_BY, CREATION_DATE,
CREATED_BY, LAST_UPDATE_LOGIN ) VALUES ((SELECT ID FROM FND_FORM_CUSTOM_RULES WHERE description = 'POHEADER16.2 Instantiatethe Tools menu'),30,(SELECT
fr2.responsibility_id
FROM fnd_responsibility fr2 WHERE responsibility_key = 'PRODUCTION SUPERVISOR'),(SELECT fr2.application_id
FROM fnd_responsibility fr2 WHERE responsibility_key = 'PRODUCTION SUPERVISOR'),SYSDATE,-1,SYSDATE,-1,0);
COMMIT;

```