Oracle FNDLOAD Script Examples

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In this article I wish to give real working examples of Oracle's FNDLOAD utility.
Besides that, I have included some useful notes on FNDLOAD utility

I have used FNDLOAD successfully in past for several different entities/data types within Oracle 11i for almost all my previous clients, ever since this utility became available.
Some of the examples in this FNDLOAD article include:-
FNDLOAD to transfer Request Groups
FNDLOAD for moving Concurrent Programs
FNDLOAD to download and upload Forms Personalizations (or Personalisations depending on where you are located)

To FNDLOAD Web ADI, visit the link Web ADI FNDLOAD

Use FNDLOAD for transferring value set definitions.
-->Please note that when transferring Key Flex Fields and Descriptive flex fields the respective value sets against each segment will be extracted and loaded automatically.

Also, FNDLOAD can be used to migrate Key FlexFields, Descriptive Flexfields, Responsibilities and almost every other FND entity.

Please note that the text written down here could get wrapped in the browser.
Hence you may have to use \ to continue the single line command on Unix, in case you find the lines wrapping
In my case I am ensuring that $CLIENT_APPS_PWD has the apps password before running the scripts

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##To FNDLOAD Request groups
FNDLOAD apps/$CLIENT_APPS_PWD O Y DOWNLOAD $FND_TOP/patch/115/import/afcpreqg.lct
XX_MY_REPORT_GROUP_NAME.ldt REQUEST_GROUP
REQUEST_GROUP_NAME="XX_MY_REPORT_GROUP_NAME" APPLICATION_SHORT_NAME="XXGMS"
##Note that
##---------
## <> will be your Application Shortname where request group is registered
## XX_MY_REPORT_GROUP_NAME
Will be the name of your request group
## ##To upload this Request Group in other environment after having transferred the ldt file

FNDLOAD apps/$CLIENT_APPS_PWD O Y UPLOAD $FND_TOP/patch/115/import/afcpreqg.lct
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##To FNDLOAD Concurrent Programs
FNDLOAD apps/$CLIENT_APPS_PWD O Y DOWNLOAD $FND_TOP/patch/115/import/afcpprog.lct
XX_CUSTOM_ORACLE_INTERFACE_PROG.ldt PROGRAM APPLICATION_SHORT_NAME="XXGMS"
CONCURRENT_PROGRAM_NAME="XX_CUSTOM_ORACLE_INTERFACE_PROG"
##Note that
##---------
## XXGMS will be your custom GMS Application Shortname where concurrent program is registered
## XX_CUSTOM_ORACLE_INTERFACE_PROG
Will be the name of your request group
## XX_CUSTOM_ORACLE_INTERFACE_PROG.ldt is the file where concurrent program definition will be extracted
## ##To upload
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FNDLOAD apps/$CLIENT_APPS_PWD O Y UPLOAD $FND_TOP/patch/115/import/afcpprog.lct XX_CUSTOM_ORACLE_INTERFACE_PROG.ldt

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##To FNDLOAD Oracle Descriptive Flexfields
$FND_TOP/bin/FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afffload.lct XX_PO_REQ_HEADERS_DFF.ldt DESC_FLEX APPLICATION_SHORT_NAME=PO DESCRIPTIVE_FLEXFIELD_NAME='PO_REQUISITION_HEADERS'
##Note that
##---------
PO is the Application Shortname against which descriptive flexfield against PO Headers is registered
PO_REQUISITION_HEADERS
is the name of Descriptive Flexfield against PO Requisition Headers
Use the SQL below to find the name of DFF, rather than logging into the screen (ooops via jinitiator)
########----->SELECT
########----->application_id, DESCRIPTIVE_FLEXFIELD_NAME, application_table_name
########----->FROM
########-----> fnd_descriptive_flexs_vl
########----->WHERE
########-----> APPLICATION_TABLE_NAME like '%' || upper('&tab_name') || '%'
########----->ORDER BY APPLICATION_TABLE_NAME
########----->/
To upload into another environment
$FND_TOP/bin/FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/afffload.lct XX_PO_REQ_HEADERS_DFF.ldt

OK another example for DFF against FND_LOOKUPS
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afffload.lct XX_FND_COMMON_LOOKUPS_DFF.ldt DESC_FLEX APPLICATION_SHORT_NAME=FND DESCRIPTIVE_FLEXFIELD_NAME='FND_COMMON_LOOKUPS'
OK another example for DFF against Project Accounting Expenditure Types
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afffload.lct XX_PA_EXPENDITURE_TYPES_DESC_FLEX_DFF.ldt DESC_FLEX APPLICATION_SHORT_NAME=PA DESCRIPTIVE_FLEXFIELD_NAME='PA_EXPENDITURE_TYPES_DESC_FLEX'

##To FNDLOAD Oracle Menus
$FND_TOP/bin/FNDLOAD apps/$CLIENT_APPS_PWD O Y DOWNLOAD $FND_TOP/patch/115/import/afsload.lct ICX_POR_SSP_HOME.ldt MENU MENU_NAME="ICX_POR_SSP_HOME"
##Note that
##---------
Oracle Menus are not attached to applications. Hence no need to include application short name
ICX_POR_SSP_HOME is the menu name. This can be validated via below SQL
select user_menu_name from fnd_menus_vl where menu_name = 'ICX_POR_SSP_HOME' ;
Also note that we do not pass in the User_menu_name in this example
OK, now to upload this file
$FND_TOP/bin/FNDLOAD apps/$CLIENT_APPS_PWD O Y UPLOAD $FND_TOP/patch/115/import/afsload.lct ICX_POR_SSP_HOME.ldt

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Well, now for FND Messages to download a single message
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afmdmsg.lct \
XX_ICX_POR_LIFECYCLE_PAY_TIP.ldt FND_NEW_MESSAGES APPLICATION_SHORT_NAME='ICX' MESSAGE_NAME=XX_ICX_POR_LIFECYCLE_PAY_TIP

Or you may as well download all the messages within an application

FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afmdmsg.lct \
XX_ALL_GMS_MESSAGES_00.ldt FND_NEW_MESSAGES APPLICATION_SHORT_NAME='XXGMS'

now to upload using FNDLOAD
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/afmdmsg.lct
XX_ICX_POR_LIFECYCLE_PAY_TIP.ldt

Now it's the turn of Lookup values. Again, its not a rocket science
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD aflvmlu.lct XX_TRX_BATCH_STATUS.ldt
FND_LOOKUP_TYPE APPLICATION_SHORT_NAME ='XXGMS' LOOKUP_TYPE="XX_TRX_BATCH_STATUS"
Note that
XX_TRX_BATCH_STATUS is the name of FND Lookup Type in this example
This will download all the lookup codes within the defined lookup
To upload
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD aflvmlu.lct XX_TRX_BATCH_STATUS.ldt

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You can also move the User definitions from FND_USER
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afscursp.lct
./XX_FND_USER_PASSI.ldt FND_USER USER_NAME='ANILPASSI'
#Do not worry about your password being extracted, it will be encrypted as below in ldt file
#BEGIN FND_USER "ANILPASSI"
#Â OWNER = "PASSIA"
#Â LAST_UPDATE_DATE = "2005/10/19"
#Â ENCRYPTED_USER_PASSWORD = "ZGE45A8A9BE5CF4339596C625B99CAEDF136C34FEA244DC7A"
#Â SESSION_NUMBER = "0"
To upload the FND_USER using FNDLOAD command use
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/afscursp.lct
./XX_FND_USER_PASSI.ldt
Notes for using FNDLOAD against FND_USER:-
1. After uploading using FNDLOAD, user will be promoted to change their password again during their next signon attempt.
2. All the responsibilities will be extracted by FNDLOAD alongwith User Definition in FND_USER
3. In the Target Environment , make sure that you have done FNDLOAD for new responsibilities prior to running FNDLOAD on users.

Now lets have a look at the profile option using oracle's FNDLOAD
FNDLOAD apps/$CLIENT_APPS_PWD O Y DOWNLOAD $FND_TOP/patch/115/import/afscprof.lct
POR_ENABLE_REQ_HEADER_CUST.ldt PROFILE PROFILE_NAME="POR_ENABLE_REQ_HEADER_CUST"
APPLICATION_SHORT_NAME="ICX"
Note that
POR_ENABLE_REQ_HEADER_CUST is the short name of profile option
We aren't passing the user profile option name in this case. Validate using ...
########----->select application_id, PROFILE_OPTION_NAME || '==>' || profile_option_id || '==>' ||
########----->USER_PROFILE_OPTION_NAME
########----->from FND_PROFILE_OPTIONS_VL
########----->where PROFILE_OPTION_NAME like '%' || upper('&profile_option_name') || '%'
########----->order by PROFILE_OPTION_NAME
########----->/
Now to upload
FNDLOAD apps/$CLIENT_APPS_PWD O Y UPLOAD $FND_TOP/patch/115/import/afscprof.lct
POR_ENABLE_REQ_HEADER_CUST.ldt

Now for the request sets that contain the stages and links for underlying concurrent programs
For this you will be firstly required to download the request set definition.
Next you will be required to download the Sets Linkage definition
Well, lets be clear here, the above sequence is more important while uploading
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afcprset.lct XX_GL_MY_INTERFACE_SET.ldt REQ_SET REQUEST_SET_NAME="FNDRSSUB4610101_Will_look_like_this"
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/afcprset.lct XX_GL_MY_INTERFACE_SET_LINK.ldt REQ_SET_LINKS REQUEST_SET_NAME="FNDRSSUB4610101_Will_look_like_this"
Note that FNDRSSUB4610101 can be found by doing an examine on the
########----->select request_set_name from fnd_request_sets_vl
########----->where user_request_set_name = 'User visible name for the request set here'
Now for uploading the request set, execute the below commands
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/afcprset.lct XX_GL_MY_INTERFACE_SET.ldt
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/afcprset.lct XX_GL_MY_INTERFACE_SET_LINK.ldt

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Now for the responsibility
FNDLOAD apps/$CLIENT_APPS_PWD O Y DOWNLOAD $FND_TOP/patch/115/import/afscursp.lct XX_PERSON_RESPY.ldt FND_RESPONSIBILITY RESP_KEY="XX_PERSON_RESPY"
note that XX_PERSON_RESPY is the responsibility key
Now to upload
FNDLOAD apps/$CLIENT_APPS_PWD O Y UPLOAD $FND_TOP/patch/115/import/afscursp.lct XX_PERSON_RESPY.ldt

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OK, now for the forms personalizations
For the forms personalizations, I have given three examples as below.
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_PERWSHRG.ldt FND_FORM_CUSTOM_RULES function_name="PERWSHRG-404"
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_HZ_ARXCUDCI_STD.ldt FND_FORM_CUSTOM_RULES function_name="HZ_ARXCUDCI_STD"
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y DOWNLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_AP_APXVDMVD.ldt FND_FORM_CUSTOM_RULES function_name="AP_APXVDMVD"
Note that the function name above is the function short name as seen in the Function Definition Screen
Now to upload the forms personalizations that are defined against these forms functions....
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_PERWSHRG.ldt
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_HZ_ARXCUDCI_STD.ldt
FNDLOAD apps/$CLIENT_APPS_PWD 0 Y UPLOAD $FND_TOP/patch/115/import/affrmcus.lct XX_AP_APXVDMVD.ldt

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Notes :
1. Give special attention when downloading Menus or Responsibilities.
In case your client has several developers modifying Responsibilities and Menus, then be ultra carefull. Not being carefull will mean that untested Forms and Functions will become available in your clients Production environment besides your tested forms, functions and menus.

2. Be very careful when downloading flexfields that reference value sets with independent values for GL Segment Codes. By doing so, you will download and extract all the test data in GL Codes that might not be applicable for production.

3. There are several variations possible for FNDLOAD, for example you can restrict the download and uploads to specific segments within Descriptive Flex Fields. Please amend the above examples as desired for applying appropriate filterations.

4. The list of examples by no mean cover all possible FNDLOAD entities.

5. FNDLOAD is very reliable and stable, if used properly. This happens to by one of my favourite Oracle utilities.

4. Last but not the least, please test your FNDLOAD properly, so as to ensure that you do not get any unexpected data. In past I have noticed undesired results when the Lookup gets modified manually directly on production, and then the FNDLOAD is run for similar changes. If possible, try to follow a good practice of modifying FNDLOADable data only by FNDLOAD on production environment.

5. As the name suggests, FNDLOAD is useful for FND Related objects. However in any implementation, you will be required to migrate the Setups in Financials and Oracle HRMS from one environment to another. For this you can use iSetup. "Oracle iSetup".
Some of the things that can be migrated using Oracle iSetup are
GL Set of Books, HR Organization Structures, HRMS Employees, Profile Options Setup, Suppliers, Customers,Â Tax Codes
& Tax Rates, Financials Setup, Accounting Calendars, Chart of Accounts, GL Currencies.