File Upload Report Configuration Guide Oracle Banking Digital Experience Patchset Release 21.1.3.0.0

Part No. F40800-01

November 2021

ORACLE

File Upload Report Configuration Guide November 2021

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2006, 2021, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Table of Contents

1.	Pref	face	1–1
1	.1	Intended Audience	1–1
1	.2	Documentation Accessibility	1–1
1	.3	Access to Oracle Support	1–1
1	.4	Structure	1–1
1	.5	Related Information Sources	1–1
2.	File	Uploads	2–1
2	.1	OutsideIn (For MS Excel processing)	2–1
2		Configuration for storing key for decrypting uploaded files and creating encrypted response file 2–2	əs
2	.3	Using Enrichers in File Uploads	2–3
3.	Rep	oorts	3–1
3	.1	Reports – Internal Report Engine	3–1
3	.2	Reports – BI Configuration	3–1

1. Preface

1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

1.2 **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs_if you are hearing impaired.

1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describe following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

1.5 <u>Related Information Sources</u>

For more information on Oracle Banking Digital Experience Patchset Release 21.1.3.0.0, refer to the following documents:

Oracle Banking Digital Experience Installation Manuals



2. File Uploads

2.1 Outsideln (For MS Excel processing)

Outside Inn - This is used for parsing XLS, XLSX in file uploads module. This library is not shipped with OBDX but needs to be downloaded from below link for required platform (OS on which app server is running)

http://www.oracle.com/technetwork/middleware/webcenter/content/oit-dl-otn-097435.html

Search Export - (Refer Pre requisite installation document for version)

Unzip the downloaded file and copy all contents of 'redist' folder to config/outsidein/<os> directory

Then copy all contents (except jar & sh files) of 'sdk/demo' directory to config/outsidein/<os>

Use sx.cfg (replace/merge contents if required) shipped in installer from folder config/outsidein/<os>

Confirm/update path \rightarrow select * from digx_fw_config_all_b where prop_id = 'OUTSIDE_IN_SDK'

Default config/outsidein/linux64

Grant 777 privileges for OutsideIn directory

📙 lin 🔹 🚰 🔽 🖛 🔹 🔶 🔹 💼 🔂 🏠 🎜	🕰 Find Files 🗧 🔁			
P Download 👻 📝 Edit 👻 📈 🕞 Properti	es 🥂 New - 🕂 🖃 🟹			
cratch/config/outsidein/linux64/				
lame ^	Size	Changed	Rights	(
		7/8/2018 6:28:01 PM	rwxrwxrwx	5
adinit.dat	255 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
batch_process_ex	33 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	s
cmmap000.bin	373 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
exporter	113 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] exsimple	113 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] extract_archive	10 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libccbf.so	89 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libde_wp.so	310 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5
] libex_bf.so	8 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5
libex_ihtml.so	8 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
libex_itext.so	8 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	s
libex_ixml.so	8 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5
] libex_page.so	37 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libfreetype.so.6	546 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5
] libib_fpx2.so	114 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libib_gp42.so	62 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libib_jpg2.so	86 KB	7/8/2018 6:28:02 PM	rwxrwxrwx	5
] libib_pcd2.so	159 KB	7/8/2018 6:28:02 PM	FWXFWXFWX	5
] libib_psd2.so	59 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5
] libib_xbm2.so	58 KB	7/8/2018 6:28:02 PM	FWXFWXFWX	5
] libib_xpm2.so	97 KB	7/8/2018 6:28:03 PM	FWXFWXFWX	5
libib_xwd2.so	62 KB	7/8/2018 6:28:03 PM	PWXPWXPWX	5
] libim_cdr2.so	472 KB	7/8/2018 6:28:02 PM	FWXFWXFWX	s
libim_cmx2.so	143 KB	7/8/2018 6:28:03 PM	rwxrwxrwx	5



2.2 <u>Configuration for storing key for decrypting uploaded</u> <u>files and creating encrypted response files</u>

The key used for file decryption by default decryptor is stored in database in digx_fw_config_all_b with prop_id as 'ENCRYPTION_KEY'. If this is to be stored in WLS connector update the property as below

update digx_fw_config_all_b set prop_value='KEY_STORE' where prop_id='ENCRYPTION_KEY_LOCATION';

Update the encryption key in connector as below –

ORACLE WebLogic Server Adm	ninis	ation Console 12c							Ö				
Name de Que d'article donnau chalque (1,0,22,11,0) Adm Iduary Administration Inde de				Welcome, shantanu	d Cornected to: obdx_domain								
View changes and restarts													
Click the Loch & Edit button to modify, add or delete items in this domain.													
Lock & Edit	μ	Central resolutions											
Release Configuration	This page displays the list of Java FE applications and standardone application modules installed to this domain.												
		You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the c	ntrois on t	his page.									
Domain Partitions Environment Deployments		To install a new application or module for deployment to targets in this domain, dick Install.											
Luck A 649 Bitass Configuration Domain Structure det & Aman Def Foundation Def Foundation													
B-Diegnostics		Install Update Defate						Showing 1	to 71 of 71 Previous Next				
		🛛 Name A	State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order				
		figedf.oracle.businessedtor(1.0,12.2.1.1.0)	Active		Ubrary	AdminServer, obdx_cluster	Global		100				
		fightforacle.domain(1.4, 12.2.1.1.0)	Active		Library	AdminServer, obdr_cluster	Global		100				
How do I		Aff. article.domain.webapp(1.0,12.2.1.1.0)	Active		Library	AdminServer, obdr_claster	Global		100				
		B B Bynologovy	Active	🕈 ок	Enterprise Application	obdx_cluster	Global		0				
Bonopenality Decompositiv Decompositive Decompositive Second and enterprise application Second and enterprise application Second and enterprise Second and enterpredimenter Second and enterp		E BatchResourceAdepter	Active	🕈 ОК	Enterprise Application	obds_cluster	Global		0				
		📄 🧟 coherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, obdx_cluster	Global		100				
Deploy EIB modules		E Comerse day, app. connector	Active	🗸 ок	Enterprise Application	obdx_cluster	Global		100				
Install a Web application													
System Status		(Com.ofis.dipt.connector.rar)			Resource Adapter								
Health of Running Servers as of 2:09 PM		Brute											
		None to display											
Warning (0)													
GK (2)		Regionsefs.dgr.app.chabstreat				-			•				
		B Elicon.afis.dgr.app.service.rest	Active		Enterprise Application	obdx_cluster			•				
		B B Counter garappi service scop	State Name Tagets Stage Description Operational Operational	0									
		a com.ofss.dgx.chatbot(17.2.0.0.0,201707211119)	Active		Library	AdminServer, obdr_cluster	Global		•				
Charge Color Very charger and elements Dol the 2x42 difference to modely of an international sectors of the sectors difference of the sectors of the sectors difference of the sec		B ONS Application (12.2.1.1.0)	Active	🕈 ОК	Web Application	AdminServer, obdx_cluster	Global		5				
		B BBm	Active	🖋 ОК	Enterprise Application	AdminServer	Global		400				
		magentodkimplpriv_jer(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global		100				

	ministration Console 12c		õ					
Change Center	😰 Home Log Out Preferences 🔐 Record Help		Welcome, shantanu.d Connected to: obdx_domain					
Important The only comparison for any comparison								
Change Chairy Web readers (Sing Chairy Web readers (Sing Chairy Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Web readers (Sing Chairy) Chairy Chairy Web readers (Sing Chairy) Sing Chairy) Web readers Sing Chairy) Sing Chairy) Web readers Sing Chairy) Sing Chairy) Web readers Sing Chairy) Sing Chairy) Chairy Chairy Chairy) Sing Chairy) Sing Chairy) Chairy Chairy) Sing Chairy) Sing Chairy) Web readers								
Ange char is the date of charles is the date								
obddoman Program Partitions Definitionment Deployments Bi Services	extention mapping for molecular connection pools. This page contents the table of outdoord contents of mappings for this mappings for this mappings for this mapping.							
B-Interoperability	New Date							
HP -Diagnostics	🔲 WLS User 🔅	ETS User	Outbound Connection Pool					
	E Default	administrator	re/DIGXConnector8IREPORTS					
	Image: Section of Sectin of Sectin of Section of Section of Section of Section							
	Image: Source of Control In States Optioned Control In States							
	An one of the one one of the one of th							
Delete outbound credential mappings								
System Status 🗧								
Health of Running Servers as of 2:10 PM								
Critical (0) Overloaded (0) Warning (0) OK (2)								
WebLogic Server Veniors 12.2.1.2.0 Copyright (c) 1995,2335, Oracle and/or its affiliates. Al	il rights manyood, and/or to all that was seen to be for large and of their second to surger							



Click New > Select ra/DIGXConnectorFILEUPLOAD > Next > Select Default User

In password field, enter the encryption key

ORACLE WebLogic Server Ad	ministration Console 12c	
Change Center	🙆 Home Log Dut Preferences 🖂 Record Help	Welcome, shantanu.d Connected to: obdx_domain
View changes and restarts	Home >Summary of Deployments >convolution digit convector and >Roles >convolution digit convector and	
Cick the Lock & ER button to modify, add or delete items in this domain.	Create a New Security Credential Mapping	
Non-desays and restores Image: Control of the Control of Control	Back Wett Insti Cancel	
	ELS User Name and Password	
	Configure the ES User Name and Password that you would like to map the WebLogic Server User te: * Indicates required fields	
	Exter the EB User Name * EIS User Name:	
	Detr de CB Pasiveri. "EIS Pasiveri.	
	* Confirm Password:	
100.0010	(Basi (Wett) (Dase) (Case)	
To an a second second second second second second		
Conversity (v) 1225-2015. Oracle and its affiliates. A	l regles neurosci. André de scilibilitas, Other nannes may he tradorazion di thor eseperture aurores.	

2.3 Using Enrichers in File Uploads

(For custom defined templates only, not required for out of box templates)

- Enrichers are used to enrich or fetch a value for a given field. Let's say the field is Debit Account Id and enricher is Account Currency, so it means that the currency for that debit account Id needs to be fetched or enriched.
- Enricher can have enricher arguments. These arguments are passed when the enricher is invoked.
- Enrichers are of 2 types
 - Upload File Enrichers
 - Static arguments (enricherArgs) Value is passed directly from template to enricher as label string
 - Dynamic arguments (enricherDynArgs) Value is derived from a previous field of the record.
- Extract (Response) File Enrichers

How Enrichers are used in File Upload ?

- In File Upload XML template, the field **which will** enrich other fields must have 'enricher' attribute. This attribute **must not be specified for the fields which would be** enriched.
- The value of this 'enricher' attribute is the 'ENRICHMENT_ID' which is a column in table 'DIGX_FW_ENRICHMENTS_B'. Currently OBDX support only Java enrichers. Enrichers can be in any package but must implement the 'IEnrichment' interface.
- On the basis of the 'enricher' attribute value mapping is done from table 'DIGX_FW_ENRICHMENTS_B' and the corresponding 'ENRICHMENT_VALUE' column value is fetched and enrich() method of the specified Java class is invoked Eg.
- Refer to the following figure of File Template : InternalFT.xml .



```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<FileDefinition fileName="InternalFT"
   <RecordDefinition
       recordHandlerClassName="com.ofss.digx.app.fileupload.handlers.InternalFTRecHandler"
       recordTvpe="B"
       dtoClassName="com.ofss.digx.domain.fileupload.entity.InternalFTDTO"
       multiplicity="-1" maxFields="10" comments="
       parent="" length="" transaction="ITG"
       mixedIdentifier="A">
       <Field name="mixedIdentifier"/>
       <Field name="partyId"/>
       <Field name="debitAccountId" enricher="ACCTCURR" enricherArgs=""/>
       <Field name="amount" type="CD"/>
       <Field name="amountCurr"/>
       <Field name="valueDate" enricher="DATE" enricherArgs="dd-MM-yyyy"/>
       <Field name="creditAccountId" enricher="ACCTDETAILS"/>
       <Field name="debitNarrative"/>
       <Field name="creditNarrative"/>
       <Field name="purpose"/>
   </RecordDefinition>
   <RecordDefinition
       recordHandlerClassName="com.ofss.digx.app.fileupload.handlers.InternalFTRecHandler"
       recordType="B"
       dtoClassName="com.ofss.digx.domain.fileupload.entity.InternalFTBeneDTO"
       multiplicity="-1" maxFields="10" comments="
       parent="" length="" transaction="ITGBEN"
       mixedIdentifier="B">
       <Field name="mixedIdentifier"/>
       <Field name="partyId"/>
       <Field name="debitAccountId" enricher="ACCTCURR" enricherArgs=""/>
       <Field name="amount" type="CD"/>
       <Field name="amountCurr"/>
       <Field name="valueDate" enricher="DATE" enricherArgs="dd-MM-vvvv"/>
       <Field name="beneId" enricher="BENE" enricherArgs="INTERNAL"/
       <Field name="debitNarrative"/>
       <Field name="creditNarrative"/>
       <Field name="purpose"/>
    </RecordDefinition>
</FileDefinition>
```

Static Enrichers

 In above template, the field name 'debitAccountId' has a enricher 'ACCTCURR' with no enricherArgs. In this case 'DIGX_FW_ENRICHMENTS_B' will be queried and search for 'ACCTCURR' and 'AccountCurrencyEnricher' class is invoked.

This enricher derives the debitAccountCurr. Hence this attribute must be present in the record DTO with its setters defined.

```
@Override
public HashMap<String, Object> enrich(HashMap<String, Object> parameters) throws Exception {
    SessionContext sessionContext = (SessionContext) ThreadAttribute.get(ThreadAttribute.SESSION_CONTEXT);
    FileUploadPolicyHelper policyHelper = FileUploadPolicyHelper.getInstance();
    policyHelper.fetchAccountId(sessionContext, new Account(parameters.get("value").toString()),
        parameters.get("fileRefId").toString());
    HashMap<String, Object> fields = new HashMap<String, Object>();
    String curr = policyHelper.fetchCurrencyForAccount(new Account(parameters.get("value").toString()),
        parameters.get("fileRefId").toString());
    fields.put("debitAccountCurr", curr == null ? "" : curr);
    fields.put("debitAccountId", parameters.get("value"));
    return fields;
}
```



 The field name 'valueDate' has static enricherArgs 'dd-MM-yyyy' meaning that the date has to be specifically in 'dd-MM-yyyy' format. This value is simply available to the enricher for processing purpose. This enricher does not add any new field but simply modifies the value of the current field.

```
@Override
public HashMap<String, Object> enrich(HashMap<String, Object> parameters) throws Exception {
   DateFormat df = new SimpleDateFormat(parameters.get("enricherArgs").toString());
   Date date = null;
   HashMap<String, Object> fields = new HashMap<String, Object>();
   try {
      df.setLenient(false);
      date = df.parse(parameters.get("value").toString());
      fields.put(parameters.get("field").toString(), new com.ofss.fc.datatype.Date(date));
   } catch (ParseException el) {
      Exception e = new Exception();
      e.setErrorCode(UploadErrorConstants.FU_INVALID_VALUE_DATE);
      throw e;
   }
   return fields;
}
```

Dynamic Enrichers

If 'enricherDynArgs' is specified

Eg. enricherDynArgs="beneId~beneName" on beneficiary address field, the parser simply invokes getters on beneId and beneName fields and passes the values to the enricher in a map. It should be noted that these fields must be defined previously/above the beneficiary address field, so that parser has already completed the setter operation.

<Field name=" beneld"/> <Field name=" beneName "/> <Field name="beneAddr" enricher="ADDRESSENRICHER" enricherDynArgs=" beneId~beneName "/>

Eg.

Extract (Response) File Enrichers

1	xml version="1.0" encoding="UTF-8" standalone="yes"? ¶
2	<filedefinition delimiter="," encryptionclass="" filetype="csv" handler="com.ofss.digx.framework.fileupload.extract.CSVHandler"></filedefinition>
3	
4	<recorddefinition recordtype="H">¶</recorddefinition>
5	<field label="RECORD" name="record"></field> ¶
6	<field label="RECORD REF NO" name="recRefId"></field> ¶
7	<field label="FILE REF NO" name="fileRefId"></field> ¶
8	<field label="E-BANKING REF NO" name="digxRefId"></field> ¶
9	<field label="CONTRACT REF NO" name="contractRefId"></field> ¶
.0	<field label="RECORD STATUS" name="recStatus"></field> ¶
.1	<field label="STATUS CODE" name="errCode"></field> ¶
.2	<field label="STATUS DESCRIPTION" name="errMsg"></field> ¶
.3	¶
.4	1
.5	<recorddefinition_query="responselist" recordtype="B">¶</recorddefinition_query="responselist">
.6	<field name="record" no="1" wrapchar=""></field> ¶
.7	<field name="recRefId" no="2"></field> ¶
.8	<field name="fileRefId" no="3"></field> ¶
.9	<field name="digxRefId" no="4"></field> ¶
:0	<field name="contractRefId" no="5"></field> ¶
1	<field name="recStatus" no="6"></field> ¶
2	<field enricher="ERRORMSG" enricherargs="" name="errCode" no="7"></field> ¶
:3	<field name="errMsg" no="8"></field> ¶
:4	¶
:5	1
16	×



Enrichers can be added to response file templates. The enricher class is invoked in the same way as upload templates. Eg, in above case, localized error message need to be added to extracts from 'errCode'. Extract enrichers do not support dynamic arguments

File Copy Configuration

In case of FCR/OBPM as host, for **file level** uploads in OBDX, the files are generated in FCR/OBPM formats after approval at OBDX end is complete. These files are stored in a directory on OBDX server. For record level, service is used same as of single screen transactions.

FCR configs

- Set this path as the value for prop_id = 'FCORE_HANDOFF_FILE_PATH' in the DIGX_FW_CONFIG_VAR_B table against the required entity (Empty folder with full permission).
- 2. Copying the file to host system using FTP (to rjsin folder)

Provide the values for the below properties in the MSTPROPERTIES table of host schema:

FU_IPADDRESS	IP of FCR machine
FU_FTPFILEPATH	Filepath of rjsin where FCR will poll and pick files for further processing
FU_USERNAME	FTP username of FCR machine. Needs to encrypted using AES key as in connecter.
FU_PASSWORD	FTP password of FCR machine. Needs to encrypted using AES key as in connecter.

OBPM configs

- Set this path as the value for prop_id = 'UBS_HANDOFF_FILE_PATH' in the DIGX_FW_CONFIG_VAR_B table against th`e required entity (Empty folder with full permission).
- 2. Copying the file to host system using FTP

Provide the values for the below properties in the MSTPROPERTIES table of host schema:

FU_IPADDRESS	IP of OBPM machine
FU_FTPFILEPATH	Filepath of folder where files need to be copied on OBPM machine. Files will be picked by invoking OBPM restful service(from OBDX adapter) with configs given below



FU_IPADDRESS	IP of OBPM machine					
FU_USERNAME	FTP username of OBPM machine. Needs to encrypted using AES key as in connecter.					
FU_PASSWORD	FTP password of OBPM machine. Needs to encrypted using AES key as in connecter.					

- 3. OBPM file upload Restful service configurations
 - a. Set the value of the host IP and Port for which the REST API is to be invoked against the prop_id = 'HOST_IP_UBSFU' and 'HOST_PORT_UBSFU' in the DIGX_FW_CONFIG_VAR_B table against the required entity.
 - b. Provide the values for the below properties in the MSTPROPERTIES table of host schema:
 - propname = 'FU_FILETYPE' the type of file.
 - propname = 'FU_HOSTCODE' the host code.
 - propname = 'FU_RESTFILEPATH' the filePath provided in the rest payload as on OBPM machine.
 - propname = 'FU_SRCCODE' the source code .
 - propname = 'FU_TXNBRANCH' the transaction branch code.
- 4. Debtor BIC FI Configuration
 - a. Provision to set Debtor BIC has been provided at entity level.
 - b. The same can be configured in the following path by System Administrator user:
 - *i.* Toggle menu > Configuration > System Configuration > Click on Continue > Select Entity > Dynamic Module Tab > File Upload



File Uploads

≡ (Ç	futura bank Search		Q		Qe Welcome, Administrator User V Last login 31 May 04:25 PM
Select	Host Oracle FLEX	CUBE Universal Banking 14.	4.0.0.00		
Entit	y : UBS 14.4 HEL Branch				
\oslash	Basic Details	Handoff File Path for UBS	/scratch/deployables/handoff/UBS	Work Area Path	/home/devops/obdx/fileupload
\odot	Host Details	UBS File Handoff Host	10.40.90.47	UBS File Handoff Host Port	7203
\oslash	Bank Details	 Response File Path	/scratch/deployables/fileupload	Handoff File Path for FCORE	/scratch/deployables/handoff/FCORE
\oslash	Branch Details	Maximum Records for File Uploads	10000	Maximum Length of File	5242885
\oslash	Currency Payments	Debitor BIC FI	PPBKGB21456	. ne	
\oslash	SMTP				
Ø	Third Party Configuration				

Home



3. Reports

Reports in OBDX can be used with Internal Reports Engine or Oracle BI.

3.1 <u>Reports – Internal Report Engine</u>

In installer scripts, all reports point to Internal report engine, no additional configuration is required.

Note - A8_C2_PENDING_APPROVALS works only with BI.

For API Summary reports, internal engine works for maximum 500 records only. For higher load BI is recommended.

3.2 Reports – BI Configuration

1. Execute below query for those reports which need to pointed to BI

update digx_rp_definition set provider='BI', allowed_formats='PDF~XLSX' and report_id not in ('A17', 'A01', 'A02', 'A03');

Update BI webservice URL as

Update digx_fw_config_out_ws_cfg_b set url='http://<BI Host>:<BI Port>/xmlpserver/services/v2/ReportService?WSDL' where service_id='runReport'

Note - FATCA & CRS & EBPP reports works only with internal report engine and not with BI

- 2. Login to BI and navigate to Administration link. Add JDBC data source
 - a. OBDX → Points to OBDX schema
 - b. BAT121 \rightarrow Points to UBS EXT schema

	ublisher Enterprise		Search All		w		् Admin	stration 1	teip v s	Sign Out 🕒
Administration				Home	Catalog	Nev *	Open	signed i	n As admin	istrator 🔹
Administration > JDBC										
Data Sources										
JDBC JNDI File LDA	P OLAP Web Services HTTP Content Server									
Add Data Source										
Data Source Name	Connection String	Delete								
BAT121	jdbctoraclethin:@ofss220041.in.oracle.com:1522/FCU85123PDBOBDX	1								
demo	Jdbcstraclethin:@H0ST:PORT:SID	10								
OBDX	jdbc:oracle:thin:@mumt0bll.in.oracle.com:1521/obdx.in.oracle.com	1								
Oracle BI EE	(dbcoraclebi://obdx.bi.docker:PORT/	1								

 Add OUD data source – OUD-aon (Required only for User Creation Report and using LDAP to store users)

	blisher Enterprise		Search All		·		् Administr	ation Help	Ψ Sign Out	ut tu
Administration				Home	Catalog	Nev v	Open v	Signed In As	administrato	or v
Administration > LDAP										0
Data Sources										
JDBC JNDI File LDAP	OLAP Web Services HTTP Content Server									_
Add Data Source										
Data Source Name	LDAP Connection URL	Delete								
OUD-aon	ldap://mumI0aon.in.oracle.com:1389	1								



4. Upload all xdoz and xdmz from config/resources/report/obi117 (Some reports may have more then one xdmz's) (All xdoz and xdmz can be copied inside OBDX.xdrz and uploaded at once. Empty xdrz is supplied in the 'config\resources\report\obi117')

Eg. A1_USER_PARTY.xdmz – (OUD) A1_USER_PARTY_DBAUTH.xdmz – (DB Authenticator) A1_USER_PARTY_OPEN_LDAP – (Open LDAP)

Select the appropriate xdmz and map to xdoz as shown below -

• → G @ 0853106611950	02/xmlpserver/servlet/catalog?_sTkn=8b01fee415cac0a5857			x 🖬 🖬 🖬 🗘 🤇	a 10		
ORACLE: BI Publ	isher Enterprise	Search All	Ŧ	् Administration Help v	Sign Out		
Catalog		Home	Catalog New	v w Open w Signed In As addr	Signed In As administrator v		
+* ± ± % %	B 15 X 2 ▼ Location My Folders/08DX ▼				(
Folders	A16_EXTERNAL_PAYMENT_REPORT LastModified 6/7/17.9:12 AM Created By administrator Open Schedule Jobs Job History Edit More *						
My Folders	Copen Schedule Jobs Job History Edit More #						
Shared Folders	A2_RESOURCE_CHILDROLE Last Monified 5/16/17 122 PM Created By administrator Open Schedule Jobs Job History Edit More +						
Bamples	A3_WALLET_KYC Last Modified Sri6/17 1:22 PM Created By administrator Open Schedule Jobs Job History Edit More +						
	A4_WALLET_DETAILS Last Modified 5/16/17 1:22 PM Created By administrator Open Schedule Jobs Job History Edit More *						
	A6_WALLET_TRANSACTION Last Modified S/16/17 122 PM Created By administrator Open Schedule Jobs Job History Edit More *						
	A7_APPROVAL_RULES Last Modified 5/16/17 122 PM Created By administrator undefined undefined bebs Job History Edit More **						
	A7_C1_WORKFLOW_PANELS Last Modified 5/22/17 11:34 AM Created By administrator Open Schedule Jobs Job History Edit More *						
	AS_C2_PENDING_APPROVALS Last Modified 516/17 122 PM Created By administrator Open Schedule Jobs Job History Edit More *						
	C3_PARTY_FLMAPPING Last Modified 5/16/17 1:32 PM Created By administrator Open Schedule Jobs Job History Edit More *						
	C4_PARTY_PAYEES Last Modified 5/16/17 1:22 PM Created By administrator Open Schedule Jobs Job History Edit More v						
	C5_USER_FLMAP Last Modified 5/16/17 122 PM Created By administrator Open Schedule Jobs Job History Edit More v						
lasks	C8_FLUSER_MAP Last Modified 5/16/17 1 22 PM Created By administrator Open Schedule Jobs Job History Edit More v						
DBDX	CT_USERGRP_PARTY Last Modified 5/16/17 122 PM Created By administrator Open Schedule Jobs Job History Edit More *						
Expand & Upload	A16_EXTERNAL_PAYMENT_REPORT LastModified 6/7/17 9:33 AM Created By administrator Edit More *						
X Dolete	A1_USER_PARTY Last Modified 5/16/17 1:22 PM Created By administrator Edit More *						
Paste @Rename Permissions @Propertie	Bi Child Role Edit More *						
[_* Export X	LIFF A3_WALLET_KYC Last Modified 5/16/17 1:22 PM Created By administrator						

Click Edit → Data model

DRACLE [®] BI Publisher Enterprise	Search	All				् Administra	ation Help 1	Sign C	Out 🚥
1_USER_PARTY		Home	e Ca	talog	New 💌	Open 💌	Signed In As	administra	tor 🔻
Data Model A1_USER_PARTY O, +					Parameters	Properties	View Report		0
							View Thumb	nails View	/ a list
								Add New La	yout
San and S									
BUCK HEALS									
A1_USER_PARTY Edit Properties Delete									



Select the data model and save.

For multi entity reports, create separate directories as shown below

U3 and U4 are multi er	ntity reports
------------------------	---------------

	er Enterprise Search All 👻 🔍 Administration Heip 💌 Sign Out
atalog	Home Catalog New v Open v Signed in As administrator
+• ± ± 9 % ∎	E X Z V Location My Folders/OBDX V
Folders	OBDX_BU_Last Modified 12/18/17 9:35 AM Created By administrator
My Folders	OBDX.BU1 Last Modified 12/18/17 9.52 AM Created By administrator Expand More =
Shared Folders Components	T16_EXTERNAL_PAYMENT_REPORT Last Modified 12/18/17 9.35 AM Created By administrator Open Schedule Jobs Job History Edit More *
Samples	A1_USER_PARTY Last Modified 12/18/17 9.35 AM Created By administrator Open Schedule Jobs Job History Edit More *
	A2_RESOURCE_CHILDROLE Last Modified 12/18/17 9.35 AM Created By administrator Open Schedule Jobs Job History Edit More w
	A3_WALLET_KYC Last Modified 12/18/17 9.35 AM Created By administrator Open Schedule Jobs Job History Edit More *
Tasks	A4_WALLET_DETAILS Last Modified 12/18/17 935 AM Created By administrator Open Schedule Jobs Job History Edit More *
Expand , , Upload	A6_WALLET_TRANSACTION Last Modified 12/18/17 9:35 AM Created By administrator Open Schedule Jobs Job History Edit More *
Delete L Download	A7_APPROVAL_RULES Last Modified 12/18/17 9.35 AM Created By administrator undefined potential Jobs Job History Edit More *
Paste I Rename Permissions	AT_C1_WORKFLOW_PANELS Last Modified 12/18/17 9.35 AM Created By administrator Open Schedule Jobs Job History Edit More *
Export XLI	F A8_C2_PENDING_APPROVALS Last Modified 12/18/17 9:35 AM Created By administrator Open Schedule Jobs Job History Edit More *

Use separate connections for host in these reports to point to required hosts.

5. Note the user used for BI console and the folder in which these artifacts are uploaded.

Update the paths if required -

select * from digx_fw_config_all_b where category_id='reportconfig' and prop_id like 'BI_ABSPATH%'

Oracle BI Credentials are stored in WLS connector

		-								0				
ORACLE WebLogic Server Adn														
Change Center		the Lig Out Prévenses Introd Help Welcome, durantanuel Connected for obder, dama Welcome, durantanuel Connected for obder, dama Welcome, durantanuel Connected for obder, dama												
View changes and restarts		For showing of Daphymeths Summary of Daphyme												
Click the Lock & Edit button to modify, add or delete items in this domain.														
Lock & Edit	6	onfig	uration Centrol Monitoring											
Release Configuration		This page displays the foll of Jane EE applications and attendations application modules installed to this domain.												
Domain Structure	You can update (redeplay) or detain installed applications and modules from the densitie by selecting the checkbox next to the application name and then using the carefuls on this page.													
obdx_domain IP-Domain Partitions	To install a new application or module for deployment to targets in this domain, click Tonstall .													
E-Environment Deployments														
-Services	P	Cust	mize this table											
Security Realms B-Interoperability		eplo	yments											
-Diagnostics		Insta	II Update Delete						Showing 1	to 71 of 71 Previous Next				
			Name 🖏	State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order				
		8	adf.oracic.husinessedtor(1.0,12.2.1.1.0)	Active		Ubrary	AdminServer, obdx_cluster	Global		100				
			adf.oracle.domain(1.0,12.2.1.1.0)	Active		Ubrary	AdminServer, obdx_cluster	Global		100				
How do L 😑			adLoracle.domain.webapg(1.0,12.2.1.1.0)	Active		Ubrary	AdminServer, obdx_cluster	Global		110				
Install an enterprise application		8	E Canademosica R	Active	🗸 ок	Enterprise Application	obdx_cluster	Global		0				
Configure an enterprise application Update (redealor) an enterprise application		•	R To Batch Resource Adapter	Active	🕈 ок	Enterprise Application	obdx_cluster	Global		0				
 Monitor the modules of an enterprise epolication 			orchemence transaction ran	Active	🗸 ok	Resource Adapter	AdminServer, obds_cluster	Global		100				
Deploy E)8 modules		٠	E Comotes digx-app.connector	Active	🗸 ок	Enterprise Application	obdx_cluster	Global		100				
 Install a Web application 		Т	Shttpie											
System Status			(and the state of			Resource Adapter								
Health of Running Servers as of 2:09 PM			358											
Failed (0)			None to display											
Critical (0)			E Web Services											
Overloaded (0) Warning (0)			None to display											
OK (2)		8	To com offse. digo: appox chatboot: rest	Active	🕈 OK	Enterprise Application	obdx_cluster	Global		0				
			Com also dip cappo service rest	Active	🗸 ок	Enterprise Application	obdx_cluster	Global		0				
		•	I Comolis diprappi service scop	Active	🗸 ок	Enterprise Application	obdx_cluster	Global		0				
			com.ofss.digr.chetbot(17.2.0.0.0,201707211119)	Active		Library	AdminServer, obdx_cluster	Global		0				
			B DHS Application (12.2.1.1.0)	Active	🖉 ОК	Web Application	AdminServer, obdx_cluster	Global		5				
		8	a Den	Active	🗸 ok	Enterprise Application	AdminServer	Global		410				
	11		emagentsdkinplprin_jer(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global		110				



Add outbound credentials for this application, by following below steps.

Browse to the deployed connector application > Security > Outbound Credential Mapping section

Settings	for com.of	ss.digx.	connector.	rar								
Overview	Config	uration	Security	Control	Testing	g Monitoring						
Roles	Roles Policies Outbound Credential Mappings Inbound Principal Mappings Principals											
credent	Outbound credential mappings let you map WebLogic Server usernames to usernames in the Enterprise Information System (EIS) to which you want to connect using a resource adapter. You can use defa credential mappings for individual connection pools. This page contains the table of outbound credential mappings for this resource adapter.											
	There are no items to display											
New	New Delete											

Click new and select ra/DIGXConnectorBIPREPORTS

Creat	e a New Security Credential Mapping
Bac	k Next Finish Cancel
Ou	tbound Connection Pool
Wh	ich Outbound Connection Pool would you like the credential map to be associated with? Selecting Resource Adapter Default will configure
Cu	stomize this table
Cre	ate a New Security Credential Map Entry for:
	Outbound Connection Pool 🗞
	ra/DIGXConnectorBIREPORTS
	ra/DIGXConnectorFILEUPLOAD
	ra/DIGXConnector/MERCHANT
	Resource Adapter Default
Bac	k Next Finish Cancel



Select Default user option

Create a New Security Credential Mapping
Back Next Finish Cancel
WebLogic Server User
Select the WebLogic Server User that you would like to map an EIS user to. Selecting 'User for creating initial authenticated WebLogic Server user that does not have a credential mapping specifically for them. Selecting 'This user must be a configured WebLogic Server user.
User for creating initial connections
Default User
Unauthenticated WLS User
O Configured User Name
WebLogic Server User Name:
Back Next Finish Cancel

> Enter administrator credentials of BIP and click Finish

Create a New Security Credential Mapping	
Back Next Finish Cancel	
EIS User Name and Password	
Configure the EIS User Name and Password that you would like to map the WebLogic Server User to:	
* Indicates required fields	
Enter the EIS User Name:	
* EIS User Name::	administrator
Enter the EIS Password:	
* EIS Password::	••••••
* Confirm Password::	
Back Next Cancel	

<u>Home</u>

