# Registering the repository for the exceptions database

1. On the computer that hosts the services tier, switch to the /IS\_HOME/ASBServer/bin directory, where IS\_HOME is the IBM® InfoSphere® Information Server installation directory, for example in PPD services tier the directory is NLNXAP1W:/sys2/iis/v11.7/ASBServer/bin
2. Copy the esdb\_repository.properties template file from the installation directory on the computer that hosts the engine tier into the current directory. The installation directory is /IS\_HOME/Server/ESDB. In PPD, it is NLNXDE01:/sys2/iis/v11.7/Server/ESDB
3. Edit the esdb\_repository.properties file, and enter the values from the following example in dev for your database type.  
   Db2®  
   DatabasePlatform.databaseType=DB2  
   DatabasePlatform.version=11.1  
   DatabaseServer.host=nlnxdb07  
   DatabaseServer.port=25791  
   Database.name=DEXCN011    
   Database.alias=EXCSPPD  
   Database.location=/db2main/infs/inn1ifsr

Tablespace.name=EXC\_TBS  
Repository.name=ESDB  
Repository.tool=DataQualityConsole  
Repository.schema=cdnexd01  
RepositoryConnection.name=ESDB  
RepositoryConnection.userName=cdnexd01  
RepositoryConnection.password={iisenc}cQGnJcksvriSZlN/iKhO/A==   
RepositoryConnection.managedDataSourceName=ESDB  
RepositoryConnection.properties=  
**\* the red item, please confirm with DBA (Alison) for PPD version**

1. If you plan to use Db2 for the exceptions database schema, the following restrictions apply:  
   The user that you specify to access the exceptions database must be an existing operating system user, and must be the same user that you use to run the db2 command during the schema creation process.  
   You cannot create the exceptions database schema on a system that has only the Db2 client installed.
2. Verify that the Database.location property is specified correctly in the esdb\_repository.properties file. If you set this property to the default value, ensure that the path to the database location exists and ensure that the user who registers the repository for the exceptions database has access to that file path.
3. Register the repository for the exceptions database with the following command:  
   **./RepositoryAdmin.sh -rr -pf esdb\_repository.properties**
4. Verify that the properties are configured correctly with the following command:  
   **./RepositoryAdmin.sh -dr -rn ESDB**
5. If the properties file is not configured correctly, unregister the repository, correct the properties file, and repeat the process to register the repository again.  
   You can unregister the repository with the following command:  
   **./RepositoryAdmin.sh -urr -rn ESDB**  
     
   If you misconfigured the server name for the database, you must also remove the database record with the following command:  
   **./RepositoryAdmin.sh -urd -dn DEXCN011**

**\* the dexn011, please confirm with DBA (Alison) for PPD version**

# Generating the scripts for the exceptions database

1. On the computer that hosts the services tier, switch to the /InformationServer/ASBServer/bin directory, e.g. NLNXAP1W:/sys2/iis/v11.7/ASBServer/bin
2. Run the RepositoryAdmin tool to generate the scripts:

Linux or UNIX

**./RepositoryAdmin.sh -sss -rn ESDB -sl location**

where

location is the directory where the scripts are created.

e.g.

**./RepositoryAdmin.sh -sss -rn ESDB -sl ../temp/**

1. If the computer that hosts the services tier is not the same as the computer that hosts the exceptions database, copy the scripts to the computer that hosts the exceptions database.

# Creating the exceptions database schema for a Db2 database

**\* DBA will create ESDB separately, ITC team will only need to run step 8 for testing connection**

1. Ensure that you are logged in as a user that can run the db2 command and that has access to the scripts.
2. If the database is remote from the services tier, copy the scripts to the database server host.
3. Connect to the Db2® terminal.

- If you are on a Linux or UNIX operating system, source the db2profile. ~/sqllib/db2profile

1. If you are creating the exceptions database in a new Db2 database, rather than in an existing database such as the metadata repository, run this command to create the database:

db2 -tf esdb\_db\_creation.sql

1. To create the database schema and table spaces, enter the following commands:

db2 -tf esdb\_tablespace\_creation.sql

db2 -tf esdb\_permissions\_schema\_creation.sql

1. Connect to the database with the exceptions database user so the user owns the objects:

db2 connect to DBNAME user DBUSER using password

where DBNAME is the name of the database, DBUSER is the exceptions database repository user, and password is the user's password.

1. Create the tables:

db2 -tf esdb\_table\_creation.sql

1. Test the connection with the following command:

On Linux or UNIX:

./RepositoryAdmin.sh -tc -rn ESDB -cn ESDB

If the connection fails, verify that you ran the database creation scripts correctly. Repeat the database creation process if necessary.

# Generating the repository connection file for the exceptions database

1. On the computer that hosts the engine tier, switch to the /InformationServer/Server/ESDB directory, in BAT is NLNXDE01:/sys2/iis/v11.7/Server/ESDB

**Please make sure the folder /sys2/iis/v11.7/Server/ESDB owner is changed to adsadm by root user.**

1. Run the RegistrationCommand tool to generate a new repository connection file for the exceptions database:

../../ASBNode/bin/RegistrationCommand.sh -user isadmin -password pswd -gcf

-rp ESDB -cf ESDBConnect.tmpl

-res ESDBConnect.cfg

where

isadmin is the Information Server admin user, in PRD is adsadm

pswd is the password for the isadmin user.

ESDBConnect.tmpl is esdb\_repository.properties copied from service tier

In PPD is

../../ASBNode/bin/RegistrationCommand.sh -user adsadm -password xxxx -gcf

-rp ESDB -cf esdb\_repository.properties

-res ESDBConnect.cfg

# Creating the system data source on the engine tier

1. Use a text editor to open the ODBC configuration file at /Server/DSEngine/.odbc.ini
2. Create an entry for the exceptions database.

The entry is specific to the type of database that you used to create the exceptions database. You can use the following examples:

Db2®

e.g.

…

ESDB=DataDirect DB2 Wire Protocol Driver

…

[ESDB]

Driver=/sys2/iis/v11.7/Server/branded\_odbc/lib/VMdb200.so

Description=DataDirect Db2 Wire Protocol Driver

AddStringToCreateTable=

AlternateID=

Collection=

CipherList=DEFAULT:!RC4

Database=DEXCN011

DynamicSections=100

GrantAuthid=PUBLIC

GrantExecute=1

IpAddress=10.48.25.29

IsolationLevel=CURSOR\_STABILITY

Location=

LogonID=

Password=

Package=

PackageOwner=

TcpPort=25791

WithHold=1

QEWSD=2459377

**\* the red items, please confirm with DBA (Alison) for PPD version**

1. Modify the default properties to match the database and the registration properties that you specified when you created the exceptions database. For example, the default value of [ESDB] must match the value that is specified for the managedDataSourceName registration property.

Subscription for Event Type = NEW\_EXCEPTIONS\_EVENT

1. Subscription for Event Type = NEW\_EXCEPTIONS\_EVENT, if the event type is missing, run ./event\_management\_setup.sh command even BPM was not installed.

It is on Engine tier

cd /sys2/iis/v11.7/Clients/DQ\_BPM/scripts

./event\_management\_setup.sh adsadm xxx nlnxap1w.wsib.on.ca:9446 bpmadmin bpm123pwd mybpmserver.com:9444

1. Open Subscription Manager. Create new Subscription with event filters that specify which exception sets are sent to DQEC.
2. Create new IA project to generate some exception records
3. If there is no exception sets shown in DQEC, need to diagnose the event and subscription

It is on Engine tier

cd /sys2/iis/v11.7/Clients/istools/cli

./istool.sh event listEvents -domain nlnxap1w.wsib.on.ca:9446 -u adsadm -p xxx

./istool.sh event listAllSubscriptions -domain nlnxap1w.wsib.on.ca:9446 -u adsadm -p xxx

e.g. “Processed on” missing datetime

EVENT [ Type: NEW\_EXCEPTIONS\_EVENT, Created on: 2021-06-29 11:25:51, Processed on: --, Properties: [ projectName=jdbc testing project, exceptionSummaryName=test\_excpt, exceptionSummaryUID=ec1481df.f92d8a7c.604nkm2vn.q3ghkm5.tt5f4h.pcj9k6di6asommqm69rhm, applicationType=Information Analyzer ] ]

1. If events is not processed, need to reschedule them.

It is on Engine tier

cd /sys2/iis/v11.7/Clients/istools/cli

./istool.sh event taskSchedule -stop -u adsadm -p < adsadm password>

./istool.sh event taskSchedule -taskScheduleRepeat "0 \* \* ? \* \* \*" -u adsadm -p < adsadm password>

./istool.sh event taskSchedule -start -u adsadm -p < adsadm password>