Types of connection which are connected through Informatica-

Inbound

Outbound

Endpoints:

|  |  |  |
| --- | --- | --- |
| Connection\_SubType | Endpoint | Outbound System type |
| Oracle | ora-prod-ebs-r1-vip.xyz.com | Oracle Apps |
| Salesforce Connection | null | SFDC |
| ODBC | myln-prd-sqlab.xyz.com | SQL server |
| Oracle | rev-nrs-dev1.xyz.com | Custom DB |
| ODBC | smdg-dev1-d1 | SAP HANA |
| ODBC | hdop-prd-mst2.xyz.com | Hawq greenplum |
| null | https://secure.future.stage.ariasystems.net/api/ws/api\_ws\_class\_dispatcher.php | webservice transforamtion (Aria ) |
| Web Services Consumer | null | Aria application |
| null | http://localhost:9010/loadopty | HTTP transformation |
| null | https://user-api-gateway-test.apps.wdc-np.itcna.xyz.com/ups/api/v1.0/userprofiles | API call-Script |
| null | sfa3-prd.xyz.com | Oracle Staging DB-Script |
| null | jscape.xyz.com | Jscape-Script |
| null | /interface/Customer/DataFiles/ | Mount location on infa server-Script |

Steps:

1.Input will be a file containing the Informatica workflow names(Workflow\_File\_host is the path and file in our case)

2.Take workflow name,fetches the session names for that particular workflow through Informatica meta data repository queries.

3.For each session,fetch the connection values in the Informatica integration

4.There are two ways in which connection is stored at session level-parametrised or hardcoded value.Storing the harcoded connection values and parametrized connection values in separate csv temporaray files.

5.Fetch the parameter file name for the workflow where the connection values are stored for the sessions.

6.The parameter files may be defined at Workflow level or at Session level.According to Informatica rule,precedence is given to the param file present at Workflow level.In case no file present,it goes and fetches the param file name at Session level

7.Goes to the parametrized connection csv temporary file and traverse the file,does the grep on the parametrized variable and fetches the connection value for these connections.

8.Fetches the connection type,host name and subtype for these connections through meta data repository query.This step goes for both relational and application connection details separately.Then the same goes for the harcoded connection values.

9.The host name values for relational Oracle and ODBC file are present in a file on the Informatica server.Goes to this file and traverse for the connection name (that we got from the above step) and gives the host details to us.

10.Another module of code has been added to include the HTTP Transformation part.In case the parameter file has http url as the endpoint in the URL name.It traverse the param file and then stores it into the ENDPOINT Table along with other connection details.

Part 2-Fetching end point through Scripts for the integration

There are a couple of endpoints which are connceted through the Scripts in the Informatica workflow.

Below are the scenarios:

Command 1- PATCH(to connect to HTTP url)

http\_response=`curl -u $LDAP\_USER:$LDAP\_PASSWORD --request PATCH $ENDPOINT\_URL --header "Content-Type:application/json" --header "emailAddress: $out\_email" --data '{"user": {"person": {"preference": {"receiveEmailCommunicationFlag": true}}}}'`

Command 2-ping(To check if jscape server is an endpoint) –Jscape is a server for File transfer

ping -w 10 $SFTPJSCAPEf2server

Command 3-perl

perl $ScriptDir/servercheck.pl $FTPserver >> $LogFile 2>&1

Command 4-ssh

Xupsell\_Ftp\_Files=`ssh $Sp\_ftpsUser@$FtpsServer "cd $Ftp\_folder && ls \*.zip.gpg"`

Command 5-lftp

lftp -u ${SFTPuser},"${SFTPPw}" sftp://${SFTPserver} << EOF

Ways how Informatica connects to different Data sources

1.Basic –Relational and Application Connections

2.Webservice

a. Through web service transformation-In mapping,using the web service transformation.It has the Endpoint Url included whose value is there in the param file

b.Through scripts

3.Through Jar file which has code to connect to database like Wave DB

4.Connect to a python script

-Keeping python script on the Informatica server and then calling it through command task in Informatica