Database Backup Tool

**Overview:**

This tool is used to import SQLServer views into oracle database as table. If table already exist in oracle then table is truncated and data is imported from SQLServer. If table doesn’t exist in oracle then table is created.

**Details:**

1. **MSSQLToOracleMigrator.properties** this property file consists of view names which need to be imported from SQLServer to oracle.

**Ex :** Migration.ViewNames = v4PRS\_Mastpool

1. **ViewNames.properties**  maintained to check which views are copied from SQLserver to oracle and which views not copied. If view is imported properly with all data, then this view is listed as **ImportedViews** in ViewNames.properties file. If views not imported then this view is listed as **NotImportedviews** in **ViewNames.properties** file
2. If **Migration.ViewNames** is empty in property file, then all the views from SQLServer are imported into oracle.
3. If view Names are specified in property file but they are doesn’t exist in SQLServer then ‘Given view doesn’t exist in SQLServer’ is written to log file as well as this view is listed as **NotImportedviews** in **ViewNames.properties** file**.**
4. If view names are specified in property file and any view exist in oracle as table then data from oracle is taken as backup as .sql file, then table is truncated. Now data from SQLServer is imported to oracle table. If any error occurred while importing data from SQLServer then backup file is used to import the old data. So that no changes are made to the existing table.
5. If view names are specified in property file and oracle database doesn’t have tables then given views are created as tables in oracle database as well as data is also imported from SQLServer. If any error occurred while importing data, then table is dropped from oracle database.
6. If view name is specified in property file but doesn’t exist in SQLServer and it exist in oracle database as table then this tool should specify that view doesn’t exist in SQLServer and listed as **NotImportedviews** in **ViewNames.properties** file**.**

**Folder Structure:**

1. DatabaseBackupTool is the main folder which consists of Package and Property files and script files and log files
2. Log files are stored as DatabaseBackupTool.log in LogFiles under DatabaseBackupTool folder.
3. All Property files are stored in PropertyFiles folder.
4. SQLServer script files are stored under SQLServerScriptFiles. This path (where to store SQLServer script files) can be changed in MSSQLToOracleMigrator.properties file.
5. Oracle table backup files are stored in OracleScriptFiles folder. This path also we can change in DatabaseBackupTool.properties file.

DatabaseBackupTool.jar file is created which reads information from property files.

We Can run this jar file using DatabaseBackupTool.bat file

This jar file , bat file, folder which mentioned above should be under same folder path. Like

MainFolder

|------------ PropertyFiles

|------------ OracleScriptFiles

|------------ LogFiles

|------------ DatabaseBackupTool.jar

|------------ DatabaseBackupTool.bat