Database Synchronization Project

User Guideline

Contents

[Software Architecture 3](#_Toc76157664)

[DB Export Application 3](#_Toc76157665)

[Application Folder Structure 3](#_Toc76157666)

[Export App Run Steps: 3](#_Toc76157667)

[DB Import Application 4](#_Toc76157668)

[Application Folder Structure 4](#_Toc76157669)

[Import App Run Steps 4](#_Toc76157670)

[Daily Tasks 5](#_Toc76157671)

[Error occurred on importer 5](#_Toc76157672)

# Software Architecture

DbExport and DbImport projects are written in java language (Java 8) with Spring Boot Framework( v2.1.1). Software reads lines in sync\_transfer table and creates insert statements from them. Writes that inserts to file and send to second site to be imported. Blob columns are written into separate files and sent to second site to be imported. Export and import jobs run every minute.

# DB Export Application

DB Exporter aims to export changed rows on a specific oracle database schema. DB Exporter should be run on source site.

Run script file : **01-create-trigger-and-tables-for-export-site.sql** on export site.

## Application Folder Structure

* workspace
  + new
  + sent
* jdk8
* app
  + exporter-0.0.1-SNAPSHOT.jar
  + application.properties

## Export App Run Steps:

# cd /u01/oracle/PROD/dbexporter/app

# nohup ../jdk1.8.0\_202/bin/java -jar exporter-0.0.1-SNAPSHOT.jar --spring.config.location=file:./application.properties &

# DB Import Application

DB Importer application imports rows exported to file by db exporter job on source site.

## Application Folder Structure

* workspace
  + new
  + staging
  + archieve
* jdk8
* app
  + importer-0.0.5-SNAPSHOT.jar
  + application.properties

## Import App Run Steps

# cd /u01/oracle/PROD/dbimporter/app

# nohup ../jdk1.8.0\_202/bin/java -jar importer-0.0.3-SNAPSHOT.jar -spring.config.location=file:./application.properties &

# Daily Tasks

### Error occurred on importer

Sometime due to changes in database, import process produces error. When an error occurred importer stops executing files and wait s for the problem solve. After problem solved;

1. move xxxxxxxxx.zip file to new folder from staging
2. remove xxxxxxxxx folder from staging.
3. Start import job.