Deployment Plan

Edge/XML to MySQL/Oracle

Converter

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# **1.** **Overview**

## **1.1** **Application Summary**

The application, *Edge/XML to MySql/Oracle Converter*, allows for a user to select either an edge file or an xml file and converts and outputs its contents into either a MySQL script or an Oracle script based on selection.

## **1.2** **Purpose**

This document is intended to provide a guideline for the deployment strategy and plan for the *Edge/XML to MySql/Oracle Converter* application. This document contains the instructions and technical requirements needed to successfully deploy this application.

## **1.3** **Deliverables**

All documents, input/output files, test code, and source code are hosted on the following online repository: <https://github.com/je6095/422-Project> . The application’s help system is located at [link to help system] .

# **2.** **Repository**

## **2.1** **Where it is Located**

The repository, hosted on Github can be found here: <https://github.com/je6095/422-Project>

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## **2.2** **Structure of the Repository & Application**

* **docs**: Contains document files. All .pdf and .doc files are stored here.
* **in**: Contains the input files the application will use. All .edg, .xml, and .sav files are stored here.
* **out**: Contains the executable jar file of the application as well as the output files the application will generate. The .class files initially needed for the application to convert properly and the application’s .jar file are stored here.
* **help**: Contains all the files used to create the help system.
* **test**: Contains all test files used for unit testing.
* **src**: Contains the source code that creates the application.
  + RunEdgeConvert.java is the starting point of the application.

## **2.3** **Setting up for Release**

1. Build and compile all files in the src directory
2. Generate a runnable jar file derived from the files in the src directory
3. Create an edgeConvert directory and place the jar file and out directory inside of it
4. Zip the edgeConvert directory for deployment as edgeConvert.zip

# **3.** **Configuration**

## **3.1** **Resources & System Requirements**

|  |  |
| --- | --- |
| Programs Installed | Java 8+ |
| Operating System | WINDOWS 7, 8, 8.1, 10  MAC OS  Linux |
| RAM | Recommended 512MB |
| CPU | Minimum Intel Pentium 4+ |

## **3.2** **Installing & Running**

After unzipping edgeConvert.zip, an edgeConvert directory should have been created on your machine containing the JAR file and out directory inside. No additional installation is necessary.

### **3.2.1** **Setting Up System Environment**

In order to ensure a successful execution of the JAR file, your machine must be running on Java Runtime Environment 8 (JRE 8). You can then run the JAR file by double clicking it and the application should start up.

If you do not have JRE 8 installed on your machine, you can download the file corresponding to your machine’s Operating System here: <https://java.com/en/download/manual.jsp>

### **3.2.2** **Setting Up Output Directory**

In order to successfully convert xml or edge files into a specified database script, the output directory must be set. Furthermore, the output directory must contain specific class files needed to start the application’s conversion. Make sure to select the out directory that was packaged inside of the edgeConvert directory as it contains those necessary files.

1. Click “Options” in the menu bar
2. Click “Set Output File Definition Location”
3. Select the out directory inside of the edgeConvert directory

The application will now have the ability to properly convert files. If any problem arises, reference the guidelines provided by [link to help system].

## **3.3** **Acceptable Input File Formats**

The application supports both edge diagrammer files (.edg) and xml files (.xml).

## **3.4** **File Types Output**

The application supports both MySQL’s and Oracle’s Data Description Language (DDL) as output for a conversion.

# **4.** **Troubleshooting**

## **4.1** **Running Application**

* Ensure application is running on most recent version
* Ensure correct version of JRE is installed
* Ensure that CreateDDLMySQL.class, XmlCreateDDLMySQL.class, and XmlCreateDDLOracle.class are inside of the out directory
* Ensure that the out directory is selected when setting the output file location

## **4.2** **Uploading Files to the Application**

* Ensure file format is valid
* Ensure file content contains normalized tables
* Ensure file is not corrupt

## **4.3** **Exporting to DDL**

* Ensure CreateDDLMySQL.class is inside the out directory
* Ensure XmlCreateDDLMySQL.class is inside the out directory
* Ensure XmlCreateDDLOracle.class is inside the out directory

## **4.4** **General Use of Application**

Detailed guidelines on how to use the application can be found here: [link to help system]