

# **JMK SQL Database**

## **Report Generation**

### **Electronic Data Transfer**

### **3<sup>rd</sup> Party Direct Data Access**

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## I. Overview

### A. Description

A system of programs that **DUMP** data from the JMK files then **LOAD** that data into a MySQL database running on the JMK applications server. The MySQL database can then be used for:

1. **Report Generation** using any desired third party report generation that has an ODBC (Open Data Base Connectivity) driver or a MySQL database connector.
2. Fully automated **Electronic data transfer** for authorized parties from the JMK data files to their data systems.
3. On demand data Access to authorized **Third Party's** via ODBC.

### B. Components

1. MySQL DBMS running on Linux
2. JMK system files
3. Basic programs
4. Data files

### C. End User Processes

1. Manual data dump and load
  - a) End user processes are contained within a program which can be setup as an AGATE sign-in option.
2. Report Generation.
  - a) Requires some knowledge of SQL and/or third party software.
3. Any remote access to data either automated or manual can only be setup by JMK staff, which will be happy to setup access to your specifications.

### II. Operation details

#### A. MySQL on Linux

1. User access will be **administered by JMK** with user access to only that database which contains their **group** data.
2. **Remote access** to outside users can be enabled at site discretion.

#### B. JMK system files used as data source.

1. Access to those files is through normal JMK applications.
2. SQLMNU – allows manual control of selective:  
Dump and load of files; creation of MySQL tables.

#### C. Automation of **dump and load processes**

1. For individual files or file groups can be setup as desired using the Linux background batch processor cron.
  - a. Automation will only be for on-server applications, no remote data transfer or synching is offered at this time.