COGENT
Technology Group, Inc.

Data Flow
MANAGER

Essential Features:

- Web-based administration
- Automatically transmit/receive file
- File delivery to multiple endpoints
- Session logging to an SQL database
- Create incremental database records
- Automatic file moves after transfer
- File data Encryption/Decryption
- PGP certificate authentication
- Allows unlimited connections
- File archiving in database

Cogent Data Loader features:

- Supports most useful ISO extracts
- Automatic file parse after transfer
- Automatic data transform after parse
- Automatic database load after transform
- Allows out-of-order full-extract loading
- Multiple instances in a single schema

Data Flow Manager (DFM)

For some organizations, the periodic exchange of data files between their departments, customers and vendors is a part of an established workflow. The **Data Flow Manager** product is designed as a web-enabled, client-server software solution which manages the routing of files between various end-points, both inside and outside of the organization, thereby bringing critical operational support to that workflow.

Automate File Transfer Process

Configure the file transfers in the **DFM** user interface, schedule the batch jobs, and the transfers occur unattended. **DFM** manages the scheduling, execution and confirmation of each file transfer and gives the user a way to review the result of the data-flow activity.

Central Control and Monitoring

File transfers are set up and monitored from a central point within the organization from any network-connected workstation. File transfer and load results can be monitored on a real-time basis.

Secure Data Transfer

DFM enables secure, automated file transfer using the (S)FTP, FTP(S) or HTTP(S) Internet communications protocols as well as data transfers via Web Services. Businesses which deliver data on paper or computer media, use insecure/unreliable file transfers, or pay VAN charges for EDI connections, will benefit from reductions in turn-around time, enhanced security and reduced cost.

Optional Custom Transform/Load Modules

As an added feature, **DFM** includes optional custom-made ETL modules that can be set up to parse, transform and then load specific downloaded files into a designated database by matching each inbound file with its predefined profile. These profiles are stored in the product's install folder and are meant to map the structure and formatting of the incoming data so that DFM can interpret the data. These definition files are in a basic XML format and require no proprietary software for creation/editing by the end user – any text editor will do.

These Transform/Load modules can be custom-created by power users to accomplish any data-transform/load task imaginable including loading data, arriving in such irregular formats as Excel and EDI, to a relational database.

ISO ETL Solution

For the downloadable data made available to electricity marketers by ISOs such as ERCOT in Texas, MISO in the mid-west and PJM in the eastern states; **DFM**'s pre-created data-transform/load modules will take each ISO's extract files and populate them into database tables created according to the ISO's published schema.

Achieve Operational Efficiency

In many business enterprises, the level of efficiency of the movement of data is critical to the organization's success. Where the success of a company's operations can be tied to the reliable and timely delivery of data, there is significant benefit to be gained by using our **Data Flow Manager** product.

Minimum Hardware Requirements:

- Single processor
- 8 Gb RAM
- 100 Gb hard drive
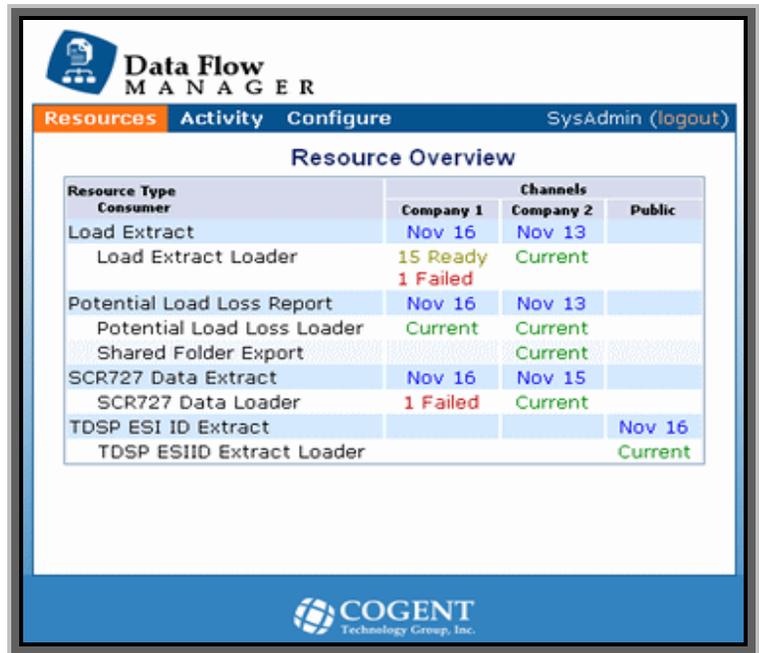- 100 Mbps Network Interface Card (NIC)
- Broadband internet connection

System Software Requirements:

- MS Windows Server or Linux O/S
- Java J2SE servlet container
- SQL database with JDBC driver
- Definition file(s) for source data
- Relational schema for load data

About Cogent

Cogent Technology Group is a national provider of customizable, web-enabled, B2B software. The company offers its customers specialty software solutions that focus on transaction management and data integrity.

Contact Cogent Tech Group: **www.ctginc.biz**
Email: **sales@ctginc.biz**

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Cogent's *DFM* has an intuitive web-based interface that gives you everything needed to manage your data file transfers and optional data transformations and database loads.

Versioned Database

In certain usage modes, **DFM** can maintain a *Versioned* database where all data changes and their type (create, update, delete) to the main tables during data-load operations are recorded in historical backing tables using time-stamped records. The benefit is the ability to determine when each and every change to the data has been made over time.

Supported Operations

Source	Final Stage
EDI format data	Relational DB
Excel format data	Relational DB
XML format data	Relational DB
CSV/TSV extract deltas	(Versioned) Relational DB
Full-DB CSV/TSV extracts	(Versioned) Relational DB
Relational DB	CSV/TSV extract deltas
Relational DB	Full-DB CSV/TSV extracts
Full-DB CSV/TSV extracts	CSV/TSV extract deltas

DFM Architecture

The architecture of the **Data Flow Manager** application is simple, flexible and extensible. The easy-to-use and quick-to-learn web-based interface gets users productive and managing file transfers in minutes. Custom load modules can be added to parse and load downloaded files into specified database schema.

DFM delivers a user-driven, scalable and cost-effective file-transfer/data-transform/database-load platform which enables organizations to give business clients better and more reliable service, and to eventually earn themselves higher margins.