DataTREK

Cloud Based Data Automation, Scrubbing, and Reconciliation

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Five amazing tools that reduce the cost of redundant data driven tasks in both labor and time.

DataTREK	A graphical management interface for scheduling, reviewing, and overseeing subordinate workloads and jobs.
DataPULLER	A fully automated method for retrieving online data from vendors or clients.
DataFORMATTER	A simple tool to reformat complex data in customer dictated files and layouts.
DataSCRUBBER	A fast rules based application to clean and audit any kind of data.
DataRECONCILER	A wizard based interface to reconcile two files quickly with minimal setup by the user.

[Management Oversight]

DataTREK is the management oversight of the entire suite of applications allowing for a power-user to review the progress of each subordinate under their control. This tool monitors a set of "jobs" that can be made up of DataRECONCILER, DataFORMATTER, and/or DataSCRUBBER tasks that are assigned to specific "subordinate" users. The DataTREK management interface shows job completion statistics and details such as: on-time, late, or pending or in the case of DataRECONCILER jobs: # of row matches, # unmatched, etc.

In addition to productivity statistics, subordinate users can be setup with limited access based on their manager's preference. Access can be set so that subordinates can run a complex DataRECONCILER jobs but not have any access to change the manager's saved configurations.

As with all of EMASoftech's tools, user activity within DataTREK is logged so auditing past or current user access and performance is possible.

- Provides schedule for jobs as daily, weekly, and monthly
- Manager access to create jobs assigned to self or subordinates
- On-time, late, and pending job statistics

- Tracking of subordinate activity and job completions
- Built in application statistics such as DataRECONCILER percent missing or # unmatched
- ...and much more

[Automation Tools]

DataPULLER is a device for scheduling automated data retrieval from websites and FTP servers. This tool can be configured to retrieve data files on any type of schedule such as daily, weekly, monthly, and more. DataPULLER is a highly customizable system that can be configured to pull all available files or even specific files from the server.

Once DataPULLER retrieves your data, it can be configured to feed this data directly into any one of our other tools within DataTREK or into a custom reporting package. In addition to completion processing reports, the system can notify you when data is not available or when there may be some problem with the data. This can be extremely useful in situations that require closely monitoring the data.

- Pulls files from the internet through FTP or Website Download
- Can securely retrieve files through SFTP (Secure File Transfer Protocol)
- Emails sent when data is retrieved or during a retrieval error
- Data sent by encrypted email or available for download 24 by 7

- Can schedule recurring file retrievals as daily, weekly, and monthly
- Custom setup includes the ability to retrieve specific files or all files in a directory
- Can delete files from server after retrieval
- … and much more

DataFORMATTER is an ideal means for configuring data to be easily read by man or by machine. DataFormatter can merge, modify, and reformat data from multiple files allowing the user to save these tasks as a reproducible job.

When used in conjunction with DataPULLER, DataFORMATTER gives you complete control of when and how to view your data. Here is small sample of the functions data FORMATTER allows you to perform on a set of data files:

- Combining worksheets
- Rearranging tabs in a workbook
- Transposing rows and columns
- Delete or highlight rows based on specific cell criteria
- Combine multiple files into one large file

- Saving files as an alternate file type
- Saving text files using custom character delimiters
- Rearrange columns within a specific worksheet
- Create mapping tables to "Find and Replace" values automatically
- … and much more

[Scrubbing Tool]

DataSCRUBBER is a fully customizable rules based data validation and consolidation engine. This application can collapse, clean, and sort your data based on rules that you define. It is great for flagging and / or removing data entry errors. In addition, this procedure is completely transparent. It will list out and label every record removed in an easy to understand audit trail. DataSCRUBBER allows you to save your rules to re-run future files. There is no need to setup the rules each time you need them. Simply set them up once and they will be there for your next data update!

DataSCRUBBER should be the first tool in an Auditor's toolbox! Features:

- Automatically recognize your files and data structure

- User rules can be based on one or even multiple data fields and values

- Can highlight or delete rows based on user defined rules

- Can aggregate rows based on user defined rules

- Completely customizable rules based interface

- All rules are based on logical operators "and / or" using parenthesis to specify the order of operations

- Maintains an audit trail of records aggregated or deleted from the file

- … and much more

[Reconciliation Tool]

DataRECONCILER is for anyone who works with spreadsheets or other data and *frequently* needs to compare two data sets or lists and find differences between them. DataRECONCILER will perform the comparison faster and more accurately than you could do on your own, especially with larger data sets.

DataRECONCILER does not require the data to be in any specialized form or template. Simply upload any type of data in a row and column listing format; such as Microsoft Excel™ file format or a CSV (comma separated value) file format to the online DataRECONCILER engine to do the comparisons. Key features of DataRECONCILER:

- Reconciles files with different data structures and/or file types

- Allows for multiple columns as a primary key

- Accommodates setting tolerances for reporting differences by value or percentage

- Reporting output options include pdf, xls, xlsx, doc, etc.

- Feature for adding calculated columns to existing files based on the data already provided

- Identifies differences based on dates, text, or numbers

- Built in mapping table to identify matches with different cell or column values

- Allows for one-to-one, one-to-many, many-to-many, and Group and Sum reconciliations

- Automatic file recognition and matching suggestions

- … and much more