

Giving your Data a Pulse

This presentation is intended for department directors, coordinators, department secretaries and assistants, accounting and IT professionals within healthcare. As a healthcare professional you are certainly aware of data analysis difficulties such as:

- ✓ Extracting information from various disparate systems (patient care management, coding, billing and accounts receivable, clinical test and treatment and others)
- ✓ Analyzing data from a wide spectrum of diverse reports such as Registration, Clinical Patient Care, Coding/Financial, Patient Follow-up, Operations, etc.
- ✓ Converting information from all of these systems via existing reports into live data to be manipulated and reused in formats that meet the user's needs
- ✓ Creating unified views, reports and interactive portals

Resolving these issues is always a challenge. Individuals who are responsible for performing these tasks are struggling to do so, and a major reason for this is that they don't have, and are likely unaware of, the tools that are available to drastically simplify their work.

SiMX TextConverter is here to take the load off your shoulders

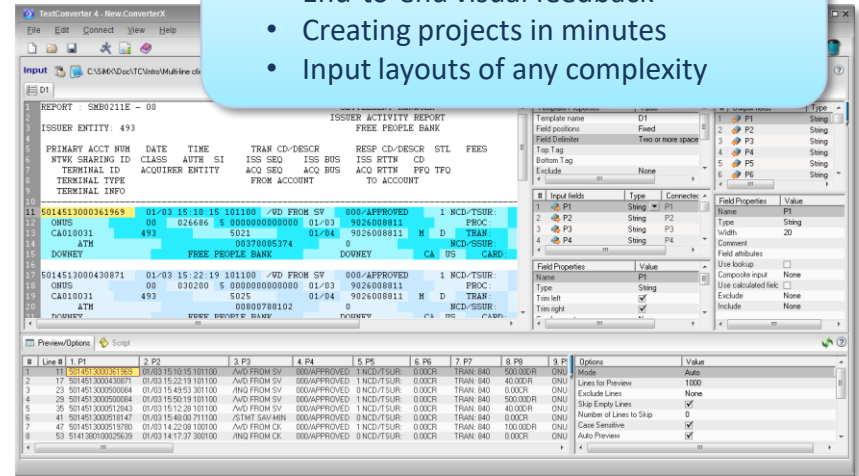
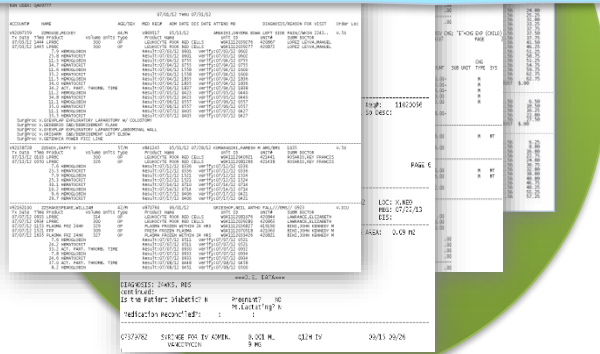
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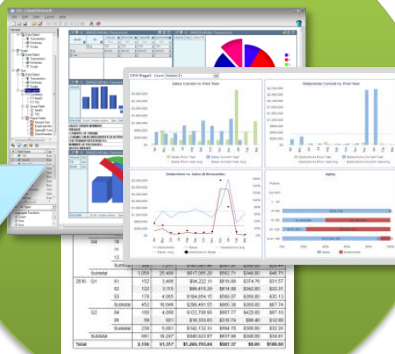
From disparate systems to unified reports in a heartbeat

- Clinical Testing/Results/Turn Around Times
- Patient Census/Department Patient Lists
- Accounts Receivable Reports
- Employee Timekeeping System Reports
- Other medical, financial and operational reports

- UI based setup, no IT skills required
- End-to-end visual feedback
- Creating projects in minutes
- Input layouts of any complexity



- Executive reports
- Summaries and details
- Summaries, charts and tables
- Grouping by custom ranges
- Any grouping levels
- Top and Bottom N reporting
- SQL and VB Script calculations



- MS SQL
- Oracle
- My SQL
- Access
- Excel

Getting you back to patient care

Suppose a healthcare organization has **50** users who average about **12** hours per month extracting data from existing reports to create the reports they need. TextConverter will bring down the development time by **90%** saving about **10** hours per month per user.



**50 users X 10 hours per month
X \$40 an hour X 12 months =**

\$240,000 of savings per year.

Employing TextConverter 4.0 for your data processing operations will save you hundreds of thousands of dollars every year, and here's how:

Many individuals spend even more time re-entering data to produce their reports, but with TextConverter's new user interface they all will be self-sufficient in extracting the data they need in a fraction of the time and with 100% accuracy.

The time they've been spending on reporting can be recaptured to allow them more time to focus on patient care.

Does your current solution do all this?

- Data extraction from any input format TXT, PDF, RPT, HTML, Excel, Word, XML, etc.
- Single and multi-line parsing templates, hierarchical templates, multi-level headers and footers
- Positional, floating, tag-based, and delimited fields
- Regular expressions for templates and field setup customization
- Interactive visual feedback, input-output synchronization. What you see is what you get.
- Input and output filters on the file, template and field levels.
- Lookup tables, regular expressions, and scripting
- Prebuilt data extraction from composite input fields: addresses, names, phone, SSN, etc.
- Calculated fields
- Script-based customization
- Duplicate records suppression
- Self-auditing
- Summary, detailed, and detail with subtotals reports
- Tables, crosstabs, Line and Bar graphs, Pie charts, 3D graphs and more
- Full control of data extraction application to fully automate processes where necessary

The cutting edge technology will breathe life into your data

The TextConverter functionality below is intended to describe the major methods expected to be used for the vast majority of data extraction projects. There are many other features and options that can be used in combination with these in order to precisely define extraction parameters.

TextConverter has two primary template roles that will recognize and extract data from the two most common report formats that exist.

Hierarchical - In the hierarchical mode sophisticated algorithms are used to capture data from the selected levels above and below the detail data to populate the fields based upon the levels' positions relative to the detail data.

Flat Mode - In flat mode all fields of each detailed record will be populated with the closest qualified value from each non-detail level.

Scripting - Scripted data extraction is also available where preprocessing of the data is wanted in order to collect and combine data into records where the logic for doing so is not solely defined by the document structure and/or to perform calculations for processing the data to prepare it prior to export.

Scripting can be used in conjunction with TextConverter's other modes, and it can also be used as the only extraction method within a project if necessary.

TextConverter has three primary methods of extraction from the individual report lines.

Fixed - A fixed extraction assumes that all of the fields being extracted at a particular level always begin at the same positions and occupy the same maximum number of characters.

Manually Defined - A manually defined extraction begins with the line being parsed using logic that considers field delimiters. This can be adjusted by customizing delimiters, adding or removing fields and adding regular expressions to define patterns to use to capture field content.

Tag Based - Tag based extraction simply utilizes specific labels within the report to capture data at a certain proximity relative to the label text.

Healthcare Solutions

Department Exam/Procedure Charge Reconciliation - Extract exam/procedure information from clinical department reports and charge data from account charges in billing system to verify that charges have been generated for all items. This has been used to capture significant revenue that would have otherwise been lost.

Blood Utilization Review - Combines three components (blood units given, hemoglobin levels and surgical procedures performed) to systematically determine whether blood transfusions are appropriate to ensure better patient care.

Employee Time Analysis - Data from timekeeping system reports is extracted each day and distributed to department to keep employees aware of potential overtime to be avoided. The data is also used to track other issues, like excessive tardiness or absences.

Employee Work Lists - Data is extracted from existing reports to be resorted and segregated into lists to be given to individual employees for the work they are to perform throughout their shifts. Respiratory Therapy patient treatments is an example of this.

Infection Control Organism Tracking Lists - Various reports are generated to track various microorganisms that Infection Control is required to monitor and report. These reports are scheduled to be automatically generated each day. This allows for easy analysis of the data, while providing a paperless archive system for initiatives that require this kind of reporting.

Pharmacy Antibiotics/Organisms Review - Prescribed antibiotic information is combined with detected organisms to help confirm most appropriate antibiotics, if any, to use. The logic in this report provides pharmacists with a ready-to-use document rather than having them spend extended amounts of time processing the information for this report themselves.

Laboratory Logs - Information for countless initiatives that require the use of information from complex laboratory log reports is easily collected. The most common example of this is turnaround times for certain kinds of testing required to be within certain parameters.

Department Monthly Operating Indicators - Information that department managers/directors use on a routine basis is extracted from a corporate report repository and parsed for distribution for the use of individual department managers/directors.

SiMX Corporation

- ✓ We are a software development company based in Princeton, New Jersey, with more than 20 years of experience in building software components, data processing automation and custom application development.
- ✓ Our consistent level of performance and quick customer response has resulted in a satisfied client base that ranges from small businesses to Fortune 500 companies.
- ✓ You pay for results not efforts, your satisfaction is guaranteed or your money back.



SiMX is a trusted partner



Neil Myers
President
Connect Marketing

We have been a customer of SiMX for many years. We use both their TextConverter product as well as their services to build custom applications. For example, we use their solutions to find online press coverage of our clients on a daily basis. Using SiMX saves us time, money and makes the process much more accurate than our old manual methods. Our analysis has shown their solutions paid for themselves within the initial 90 days of use.

As a vendor, SiMX is very responsive and has a high degree of integrity. We consider them an important partner.



Brian Bigger
Director, Application Development
and Business Intelligence
Greenspoon Marder

SIMX solutions met the standards to streamline the data transformation process that takes place when importing disparate file formats into various firms' applications. The TARGET suite development tools is totally integrated with the .NET framework, and we are currently using an in-house SIMX application with another ASP.NET Web application for the escrow department; we are very satisfied as a client with the technical support and their prompt responses to problem resolutions, and their guidance in the data conversion process. Their technical staff goes above and beyond to exceed client's expectations; we strongly recommend SIMX Software Solutions to be your Data Extraction and Processing platform.

SiMX is a trusted partner



Leigh Offord (Yakima), PMP®
CACI, Programmer Analyst
Lead

At CACI we support government and military customers in their day-to-day business processes. We had a customer that received data via an excel form and needed that data to be read into a database and then manipulated. We needed a tool that was affordable, high quality and easy to set up. We found SIMX and have been very happy with the results. SIMX services assisted us in setting up the tool and ensuring the programs we wrote worked and solved our business needs. They are very responsive and always provide us solutions quickly ensuring very little downtime for our customers which is extremely important to us. The benefits using this tool have provided our clients are very great. Our customers used to have to manually enter data from this excel form weekly which could have up to 1000 rows. Manual data entry not only takes a great amount of time, but it also is very prone to user errors. Now the client just has to forward the spreadsheet they receive via email and the data is parsed via SIMX and loaded into their database so they can use it instantly. Since the initial set up, we have found numerous other ways to utilize this tool to improve business processes for our clients and look forward to our continued use and continued satisfaction.



Michael G. Montgomery
Division Reporting Analyst
HCA Central & West Texas Division, IT&S

TextConverter is the most powerful application I have ever seen for extracting data from PC documents. Any data that is possible to extract can be captured by TextConverter because of its powerful logic and ultimate flexibility for this purpose. The new user interface makes it possible for anyone to take advantage of the power of this application. SiMX personnel are always very friendly and eager to help me whenever I call upon them to resolve issues in using their applications, and their resolutions have always exceeded my expectations.

SiMX is a trusted partner



Drew Zabrocki
Managing Director
Centricity, LLC

Over the past decade I've owned and operated telecom and cable TV service providers, systems integration firms and built multiple professional service teams. I have hired dozens of professional services organizations and done business with some of the world's largest engineering entities. Of the relationships created, I view the one that we've established with SiMX as one of the most valuable and genuine.

I offer my most sincere recommendation of SiMX based not only on the impressive technical feats that I have witnessed, but rooted by the honesty, sincerity and exceptional business acumen exhibited by the SiMX development and support teams. We work with SiMX on a regular basis, often communicating daily on a number of items and projects. Their level of service and responsiveness has been consistently excellent.

I strongly encourage you to consider the SiMX team for your complex data acquisition, reporting, software and/or application development needs.



Jaime Ramirez
Administrative Specialist
Del Sol Medical Center

I have been using this new upgraded version of Text Converter for the past month and a half now and really enjoy the changes that have been made to this software package to make it user friendly to common PC users and not just programmers. I struggled with the logic involved in writing script, so when I was given this new release and shown the ease of striping reports by just highlighting the fields that I am interested in without having to call you for assistance with each new project sent my way. I have been able to extract detailed hospital master log reports with an efficiency that could not have been accomplished with Monarch. This new software is going to help reduce countless hours of Tech time having to review these reports looking for specific cases and results.