



# Data Sheet

## ETI Data Quality Solutions Analysis, insight and accuracy with ETI Data Profiler™

### Tangible Benefits

Accelerates IT projects by automating data discovery and analysis

Productivity gains of 30% to 80% versus manual data analysis

Reduces the risk of data issues impacting critical implementation projects

Improves the understanding of the quality and accuracy of company's data assets

Enables greater transparency and tracking to support a systematic data quality improvement process

### The demands of transparency on data quality

Enterprise data is being leveraged as never before at the highest strategic levels within organizations around the world. In fact, the more business professionals involved in data analysis or manipulation compounds the challenges around data quality.

The key to successful integration initiatives, such as data migration or consolidation, lies in the first and arguably most important step – analyzing the data and developing a keen understanding of what must be done to make it ready for the project's kick-off.

Only through detailed and accurate data analysis to automatically discover the inconsistencies, redundancies and inaccuracies, can a company successfully repurpose data for new initiatives and projects. Starting a new data migration or consolidation initiative with a clear understanding of the overall data quality builds confidence as valuable information is reused.

### Automated analysis for your entire organization

ETI Data Profiler is a next generation data profiling solution that automatically discovers data values, formats, frequencies, patterns, ranges, keys and all of the associated metadata. The tool provides a detailed picture of a company's data assets, providing fact-based results derived from the data as it exists today, not how it was documented in the past.

The screenshot shows the ETI Data Profiler interface. At the top, it displays 'Profile: 26/07/2006 17:29:29' and 'Records [source:20 extracted:20 failed:0]'. Below this is a 'General profile assessment' table with columns for Position, Attribute, Null, In scope?, Analyzed?, Districts, Percentage, and Nulls. The table lists attributes like Customer ID, Contact First Name, Contact Last Name, Contact Title, Address, City, Region, Country, and Postal Code.

Position	Attribute	Null	In scope?	Analyzed?	Districts	Percentage	Nulls
1	Customer ID [NULL]	Y	N	253	96.14	0	0
2	Contact First Name [NULL]	Y	N	233	86.29	0	0
3	Contact Last Name [NULL]	Y	N	256	98.88	0	0
4	Contact Title [NULL]	Y	N	6	2.22	0	0
5	Address [NULL]	Y	N	270	100	0	0
6	Address2 [NULL]	Y	N	71	26.29	0	0
7	City [NULL]	Y	N	236	88.28	0	0
8	Region [NULL]	Y	N	176	65.18	0	0
9	Country [NULL]	Y	N	74	27.4	0	0
10	Postal Code [NULL]	Y	N	245	90.74	0	0

Below the assessment table is a 'Data' table with columns for Customer ID, Contact First Name, Contact Last Name, Contact Title, and Address. It lists 11 records of customer data.

Customer ID	Contact First Name	Contact Last Name	Contact Title	Address
1	Chris	Christianson	Mr	7647 South St
2	Christine	Martley	Miss	410 Eighth Av
3	Gary	Jarvis	Mr	7429 Arbutus
4	Alexander	Moss	Mr	6327 Scott Rd
5	Fabrick	Reyess	Mr	480 Grant Wld
6	Heather	Davis	Ms	1884 Sydney
7	Alan	Smith	Mr	8194 Peter Av
8	Kristina	Chester	Miss	3802 George
9	Alexandra	Burnis	Miss	6938 Beach St
10	Anthony	Shoemaker	Mr	4861 Second F
11	Bill	Carter	Mr	1867 Thacker

*“83% of data management initiatives had serious cost overruns or failed completely due to the lack of understanding of the source data.”*

The Standish Group - Boston, MA

## Technical Considerations

### Performance

ETI Data Profiler has proven performance and scalability, processing thousands of records in minutes to millions of records in just a few hours.

### Scheduling

Profiling activities can be initiated using external schedulers, allowing the scheduling of data analysis activities.

### Data sources

Accepts virtually any data source from mainframe, database, file systems to legacy formats and more.

This information is presented in an easy-to-read format, providing companies with a sound tool from which informed decisions can be made pertaining to the quality of their data assets.

### Key Features

- Next generation profiling engine systematically identifies data values, formats, frequencies, patterns, ranges, keys and all of the associated metadata
- Suspicious value detection identifies potential data anomalies within the data sources
- Join Testing validates the integrity before multiple data sources are merged
- Dependency Testing identifies the business-defined relationships between attributes
- Single Repository for storing metadata structures, data descriptions, summary analysis, commentaries and reports
- Multi-user platform provides easy access for project teams with individual roles and tasks
- Unique, single screen visual display of key analysis information with example data, making analysis efforts faster

### Getting Started

ETI Data Profiler contributes to data management best practices by addressing the riskiest elements of many IT projects – the quality of legacy data sources. As companies merge and aggregate information for multiple legacy sources their data quality exposure increases. Legacy and acquired data sources lose their metadata history as documentation is lost, personnel changes occur and successive design modifications are made.

Starting a new data migration or consolidation project with ETI Data Profiler provides the sophisticated analysis to discover the content, structure and quality of your data sources – reducing risk, rework and schedule delays.

### Talk is Cheap

We encourage you to challenge our claims and put ETI Data Profiler™ to the test by evaluating it with your data today. Contact us today to arrange a demonstration or evaluation at [showme@eti.com](mailto:showme@eti.com).