

The Challenge

The laws of supply and demand are different when it comes to data. There's certainly no shortage of data among organizations, and the demand for the analytical insights that data can reveal has never been stronger. But the challenge lies in how quickly that raw data can be transformed into actionable and reliable business intelligence.

Traditional extract, transform and load (ETL) technologies are often overly technical and cumbersome tools that drain money, time and resources, and can turn data preparation into a months-long project. And in today's hyper-competitive marketplace, speed matters. You can't have sluggish data preparation standing between you and timely insights.

Data3Sixty® Analyze

Data3Sixty Analyze provides you with the ability to process and transform data and to rapidly build data-rich, analytically complex applications, improving productivity and dramatically lowering overall costs. It allows you to access virtually any data source—from legacy systems to NoSQL platforms—and easily acquire and cleanse that data in a fraction of the time. Users can create a comprehensive source for analysis without incurring the infrastructure costs and time required by traditional data warehouses and ETL.

Our approach enables data analysts, data engineers, data scientists, and other users to visually collaborate as they acquire, prepare, and analyze data from disparate sources and deliver these applications to data visualization tools, direct to end users, or back to operational systems.



Data3Sixty Feature Overview

How it Works

Data3Sixty Analyze automates data blending and cleansing, as native functions allow users to profile, aggregate, correlate and transform selected data. The solution also features collaborative feedback loops between IT and business users to promote cooperation, fast communication, and ensure that any changes don't derail the entire analysis process. The solution is all about ease of use and empowering users, Data3Sixty Analyze puts the power of advanced analytics into the hands of everyday users, and provide a unified toolset for combining and structuring data, creating models and embedding those predictive analytics within any business process. Our solution provides pre-pack-aged tools to collate, clean, transform and analyze raw data into a form that is suitable for analysis, and also offers sets of popular statistical and predictive routines that can eliminate the need for programming, and drastically reduce the time to insights.

Features of Data3Sixty Analyze

- **Data Sources**
 - File-based data (e.g. CSV, Excel, XML)
 - Databases & repositories (e.g. Oracle, Teradata, Hadoop)
 - Web services (e.g. Salesforce, SharePoint, REST/SOAP APIs)
- **Data Transformations**
 - Data profiling & statistics
 - Automated conversion
 - Blending & fuzzy matching
 - Aggregation & segmentation
 - Filtering & merging
 - Metadata analysis & manipulation
 - Conditional logic
 - Encryption
- **Data Publishing**
 - Visualization integration (e.g. Qlik, Tableau, Spotfire)
 - File extracts (e.g. CSV, Excel, XML)
 - Database export (e.g. Oracle, Teradata, Hadoop)
 - Web services (e.g. Salesforce, SharePoint, REST/SOAP APIs)
- **Big Data Integration**
 - HiveQL
 - HDFS
 - Spark / Spark SQL
 - MongoDB
- **Extension Interfaces**
 - Python
 - Java
 - R
 - REST/SOAP APIs
- **Collaboration and Governance**
 - Object-oriented library sharing model
 - Shareable data flows
 - Producer/Consumer roles
 - API data source integration
- **Automation**
 - Scheduled data flow execution
 - Server REST API
- **Advanced Analytics***
 - Linear regression and quantile regression
 - Decision Forest
 - Time series forecast
 - Market basket analysis
 - K-means clustering and hierarchical clustering

* Available as optional add-on product
Some features available with Desktop Automation
and Server products only

Data3Sixty Analyze Benefits

- Self-service Platform
- Easily Publish Output Data
- Shareable Data Flows
- Prepackaged Statistical & Predictive Routines
- Dashboards & Visualizations
- Increased Efficiencies
- Faster Speed to Insights
- Graphical Data Flow Interface
- Visual Data Inspection and Lineage
- Powerful Auditing Tool
- Browser-based User Interface

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