AUTOMATED DATA TRANSFORMATION FOR THE ENTERPRISE

Realizing the true potential of self-service data transformation requires the ability to scale, automate, and govern across the organization. Altair® Monarch® Server is a centralized data management solution that automates bulk data processing and report distribution. It allows users to securely publish, collaborate, and share data preparation models, source data, and prepared datasets.

Monarch Server has an intuitive drag-and-drop interface and requires no coding, making it easy for technical and non-technical personnel alike to use it effectively. Users can centralize their enterprise data and models, automate transformed data delivery, and automatically update third-party systems, databases, and dashboards. Monarch Server's governed report storage, report generation, data preparation, and analytics delivery features save our clients thousands of man-hours every year. Its scalable architecture supports pooling and failover capabilities that are critical for robust deployments.

Three Modules to Support Scalable Deployments

Monarch Server is comprised of three modules. License each module separately or in any combination to streamline your data transformation processes:

Automation Server Module - Make repetitive processes "hands-free" with scheduled or event-driven data preparation workflows. The Automation Server module delivers data to users without human intervention and automatically updates systems, databases, and dashboards.

Report Mining Server Module - Empower analysts to access and extract data from cold storage systems without going through IT. Clients can integrate the Report Mining module directly with third party CRM systems, data warehouses, and other reporting systems stores.

Report Warehouse Server Module - Create a seamless integration point between text-based reporting and data warehouse initiatives. The Report Warehouse module will update reports new data automatically based on user-defined schedules or report delivery events. It indexes and pre-mines reports for efficient end-user consumption and helps users analyze the report and its data more effectively.

See for yourself how Monarch Server can help you automate and streamline your data transformation and reporting capabilities at the enterprise level.

Contact us to schedule an in-depth demonstration.

AUTOMATION SERVER MODULE:
AUTOMATE AND GOVERN DATA PREPARATION ROUTINES

Monarch Server's Automation Server Module enables users to store and share data transformation models and workspaces from a centrally managed server. Users can configure fully automated data preparation workflows that transform data from any number of disparate sources and deliver results to data consumers and third-party systems based on a schedule or when triggered by events.
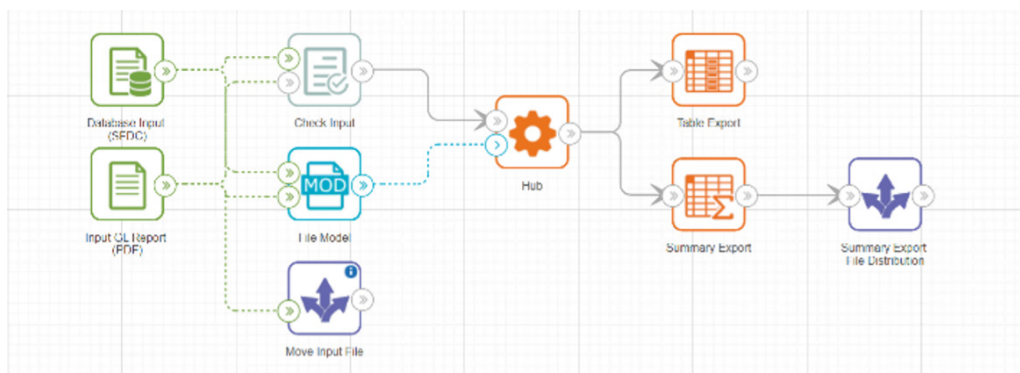
The Automation Server Module supports:

- Automated data acquisition, preparation, and delivery
- Automated Monarch model and workspace processing (including extraction of data from complex spreadsheets that may include multiple tabs, conditional cell formatting, and more)
- Automated feeds to data warehouse from non-traditional sources of data
- Data integration between applications (including data trapped in multi-structured data sources)
- Enterprise report distribution (with advanced data masking and data integrity capabilities)
- Automated data export and delivery via email, OLE DB/ODBC, network folders, RSS, FTP, Microsoft® SharePoint® libraries, and more

The Automation Server module helps enterprises remove the risks associated with desktop-based business logic and processes. It's a robust, centralized, scalable server-based data transformation solution that provides a secure "single source of truth" and low total cost of ownership.

France's Caisse Nationale d'Allocations Familiales (CNAF) social services agency uses Monarch Server to process about 8,000 family data reports each night. Monarch Server's automation and reporting capabilities saves the agency's time, improves its security, and frees up its accountants' and auditors' time for more value-added analysis.

The Automation Server module's comprehensive framework supports alerting, distribution, and multi-input processing in a low-code/no-code environment. Users work with an intuitive visual interface to develop, test, and deploy automated data transition routines. They can also integrate code-based procedures into their workflows if they need to implement more complex logic.

Access Data from to Any Data Source — Export Data in Any Format

The Automation Server module can access PDFs, spreadsheets, flat files, traditional relational databases, web inputs, and even multi-structured data sources. The module can export data to CSV files, OLEDB/ODBC compliant databases, RSS feeds, PDF, and many more formats. The module's format and source-agnostic capabilities simplify integration of disparate systems and eliminates information silos.

Implement a Managed Data Transformation Platform

The Automation Server module is a central part of any managed analytics platform or self-service data preparation and data discovery. Extend your data analytics and preparation processes and deliver the right information in the right format at the right time.
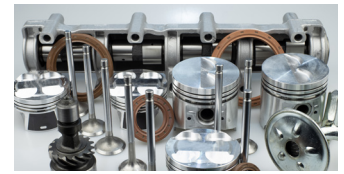
The Automation Server module lets you replace existing batch file and scripting processes using Monarch Desktop products, while allowing Desktop users to retain local control of their data transformation models. It supports multi-server deployment with failover, process engine pooling, and active/passive recovery configurations.

REPORT MINING SERVER MODULE:
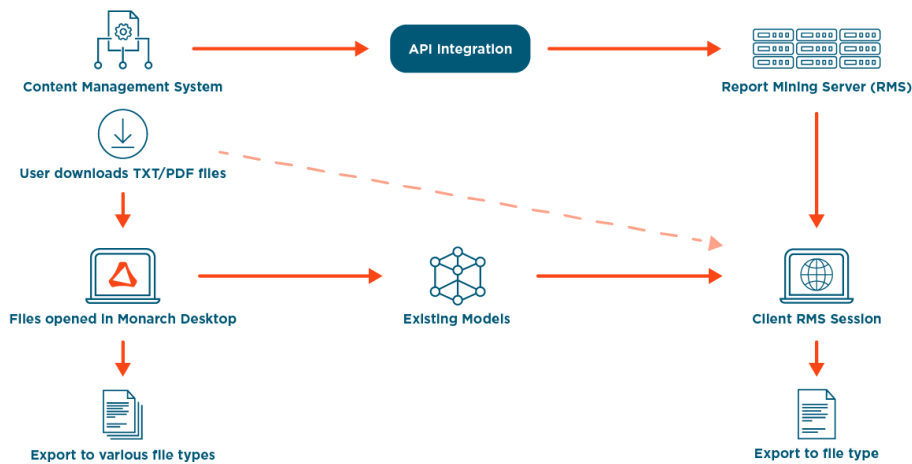# CONVERT STORED DATA INTO ACTIONABLE INFORMATION ASSETS

Enterprise content management (ECM) Systems and integrated document archive and retrieval systems (IDARS) excel in storing content and providing access to it, but simply making that content available isn't sufficient. Valuable information is buried within archived reports and other business documents that supports better informed analysis and decision-making.

The Report Mining Server module is a web-based solution that integrates well with almost any existing ECM or IDARS systems, including:

- IBM Content Manager OnDemand (CMOD)
- Microsoft SharePoint
- Hyland OnBase
- ASG–ViewDirect

A global automotive parts supplier with more than 300 manufacturing centers and operations in 30 countries has integrated Monarch Server into its manufacturing executive system (MES) to improve reporting accuracy, enhance inventory control, increase efficiency, and reduce operating costs.

The Report Mining Server module's powerful query system lets users retrieve reports and transform their contents into live data and spreadsheets. The API allows clients to integrate the module into complex automated workflows. The module can also ingest data transformation models built in the desktop version of Monarch.

The module unlocks the corporate data stored in these systems as static reports and other types of documents and enables dynamic information analysis via web browsers or third-party productivity tools without writing any code. In addition, the module:
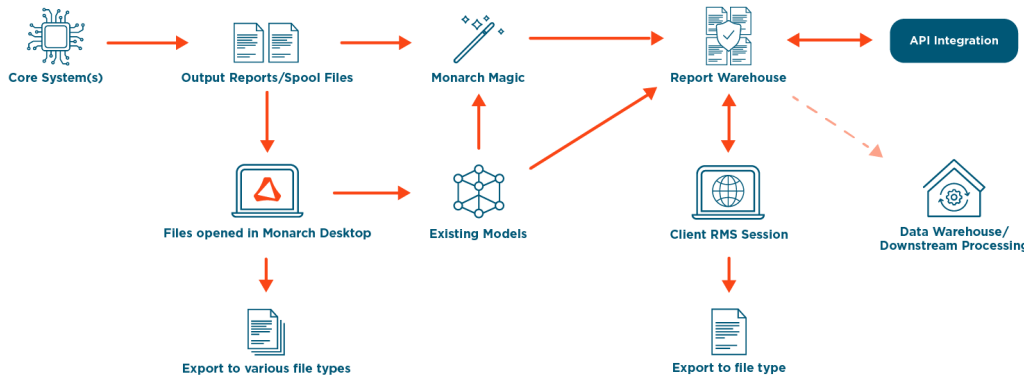
- Converts reports into usable formats (including spreadsheets) with a single click — no more cutting and pasting or manual data entry
- Eliminates the need for specialized IT infrastructure to support ad-hoc reporting, sub-reports, or live database connectivity
- Extracts more value from existing reports, reporting systems, and document archives
- Reduces costs by eliminating expensive data marts and warehouses
- Provides users with self-service ad-hoc analysis, investigation, and auditing capabilities

Go Beyond Simple Search

The Report Mining Server module turns the information stored in your ECM or IDARS system into interactive information assets. Static reports become live data you can filter, sort, and aggregate with other content to conduct more effective research, analysis, and planning. The combined system becomes a "search-to-action" tool making full use of the secure, accurate, and governed data contained in your line of business reports, invoices, statements, and other official documents.

REPORT WAREHOUSE SERVER MODULE: MANAGE DATA TRANSFORMATION ASSETS

Most content management systems can't control data preparation models, data discovery workbooks, and source content, including documents and data extracts like CSV files. The Report Warehouse Server retains content with version tracking to support complete data lineage and facilitate regulatory compliance. Users can mask or obfuscate sensitive information to help prevent data breaches.

The Report Warehouse Server module provides managers with confidence in their data by giving authorized users complete control over all report assets with audit trails.

The module provides web-enabled report storage, transformation, and distribution, including data analysis and integration with popular spreadsheet programs for efficient self-service decision support. It helps organizations deliver actionable operational data derived from existing reporting systems and other database sources without having to program or write new reports. The Report Warehouse Server module automatically stores report data in an enterprise report and document warehouse and provides users with a unified point of entry to view, analyze, and share information using standard web browsers.

The module is scalable and supports small workgroups or organizations with thousands of users alike. It supports dynamic on-line analytical process-type tools, XML forms generation, collaboration, and subscription capabilities and live linking of report and database information.

"Monarch has saved us thousands of hours of modeling and data extraction time, freeing our accountants and auditors to spend their time on performing analysis that will drive decision making and deliver business value."

Jean-Michel Omont,
Archive System Manager, CNAF

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