

EHS Integration Node

THE CGI WAY

CGI is a full-service IT and managed services provider with focused industry expertise and innovative service models that help clients achieve their business goals.

From optimizing operations and enhancing performance to improving customer service and increasing competitive advantage, leading organizations count on CGI to transform their business processes and apply emerging technologies.

With deep expertise in both environmental health and safety and IT, CGI can help you define strategies and evaluate, design, develop and implement systems and processes for best achieving REACH compliance.

We use a flexible, tailored approach to delivering REACH consulting services and IT solutions, structured to meet each client's unique business goals and needs. To each client relationship we bring a commitment to quality and accountability.

EHS DATA INTEGRATION AND EXCHANGE

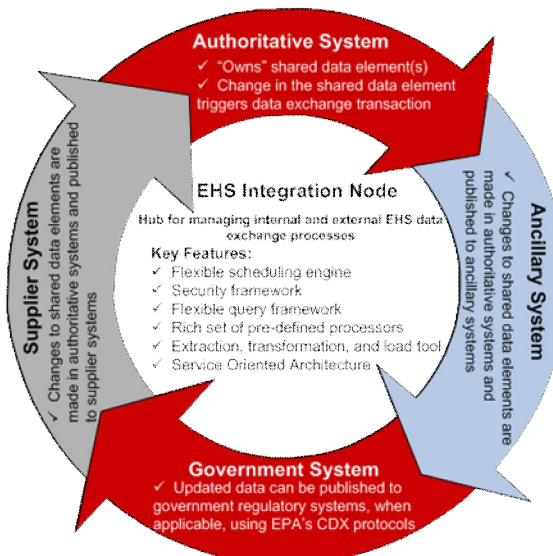
IT organizations are challenged by the need to exchange critical environmental health and safety (EHS) data among business units, suppliers, customers and regulatory stakeholders. It is not uncommon to find single EHS data elements that need to be shared among a dozen or more management systems. Keeping EHS data consistent and up-to-date across systems in a timely and efficient manner is critical to many businesses. CGI is a major supplier of EHS data exchange software solutions for government and industry, and we can help your IT organization develop a robust data exchange infrastructure that can be implemented at low cost and maintained by your own staff.

IT Experts + EHS Experts = Project Success

The EHS business domain is highly specialized and a successful EHS data integration project requires more than just an IT perspective. CGI's environmental team provides the right blend of EHS experts, IT experts and data integration tools to understand your EHS data and systems landscape, as well as your IT environment. Our team is well equipped to efficiently design and implement successful data integration solutions and requires no training on your part. We understand EHS data and can hit the ground running with a successful data integration approach.

EHS Integration Node

CGI's EHS Integration Node is a .NET data exchange solution, fully configurable and adaptable to any number of hardware and software environments. Originally developed as the data exchange "engine" for CGI's REACHMate hazard communication solution, this software has proven to be an effective all-purpose EHS data exchange solution that can support a wide range of data integration scenarios for your business.



Key Features

- .NET Framework 2.0 or greater
- Service oriented architecture (SOA), including web service enhancements
- Extraction, transformation and load (ETL) tool
- Extensible framework enabling easy customization
- Flexible and powerful scheduling engine with extensive recurrence rules
- Security framework integrated with Windows authentication and single sign-on
- Flexible query framework works across multiple databases
- Rich out-of-the-box set of pre-defined generic processors:
 - Processor for file access operations (read and write)
 - Query processor
 - Generic SQL command processor
 - E-mail processor
 - Transform processor
- Data and field mapping and bridging framework to map data across systems
- Extensible XSLT transform process

Solving Common EHS Data Integration Problems

CGI's EHS Integration Node is designed to handle data integration scenarios in a number of ways, providing you with flexibility to match your business requirements and existing IT standards and architecture.

Business Scenario: Updated data in System A requires updating data in the database of System B.

Solution: System A updates the data and then calls the EHS Integration Node web service to execute a task that will retrieve the updated information from System A and generate insert/update/delete statements for System B.

Alternate Solution: The EHS Integration Node executes a recurring task to periodically poll the database of System A looking for changed data and generates the insert/update/delete statements when needed for System B.

Business Scenario: System A requires a data import from System B in a specific format that System B cannot provide.

Solution: System A calls the EHS Integration Node web service to execute a task that queries the database of System B, performs data transformation (XML, RTF, text, HTML, etc.) and returns the result to System A.

Alternate Solution: Either System A or System B calls the EHS Integration Node service to execute a task that queries the System B database, transforms data to the desired format and writes output to an import directory for System A.

Alternate Solution: The EHS Integration Node task may query System B, transform data to the desired format and call a web service on System A to import data.

Our experts focus on understanding your EHS requirements and designing and implementing a custom EHS data integration solution quickly and for low cost.

COMPANY PROFILE

Key statistics

- Founded in 1976
- Approximately 26,000 professionals
- More than 100 offices serving clients in 16 countries
- One of the largest independent IT and business process services companies
- NYSE: GIB — TSX: GIB.A

End-to-end services

- Consulting
- Systems integration
- Management of IT and business functions
- 100+ proprietary business solutions

For more information

- E-mail us at ehs@cgi.com
- Visit our website: www.cgi.com/environment