
EXTERNAL INDEX AND QUERY (EIQ) PRODUCTS™ ONE-PAGE SUMMARY

REVISION 1.32

WhamTech EIQ Products leave data in data sources, and uniquely provide basic and advanced indexing, database-type query processing and enterprise search capabilities, across multiple disparate data sources and systems. EIQ Products enable near real-time virtual data integration, sharing and interoperability for solutions such as:

- Federated data access, including Web Services
- Virtual data warehouses and data marts
- Mainframe data access, dumping and migration
- e-Discovery
- Cloud data services
- Information sharing, including subscribed content
- Link mapping and analysis

EIQ Products combine the advantages of conventional data warehouses, federated data systems and enterprise search, and at the same time, overcome the disadvantages of each. This translates to highly successful queries on independent indexes for multiple structured, unstructured and semi-structured data sources, but data remains in data sources. This leads to rapid implementations with incremental deliverables, advanced and unique capabilities, and almost no additional load on data source systems.

EIQ Products overcomes three major data integration, sharing and interoperability hurdles:

1. Achieving high success queries due to cleansed, transformed and standardized independent indexes and results, where indexing and query processing are fast.
2. Monitoring changes in data sources in near real-time through index updates.
3. Near real-time link mapping and link analysis in a distributed data environment using indexes only.

EIQ Products are able to provide these unique capabilities because of a relational index and query management system (RIQMS) developed and proven over the years using unique technologies. These technologies combine to enable fundamental changes in approaches to data management, enterprise information integration (EII) and enterprise application integration (EAI).

EIQ Products are deployed as edgware/sub-middleware and are accessed through standard drivers (JDBC, ODBC, OLE-DB and Web Services). Applications, middleware and other EIQ Products, called EIQ Servers, connect directly to all EIQ Products. EIQ Products accept standard query language (SQL) and are available in four complementary forms:

1. EIQ Server® - sub-middleware that manages access, and provides a single virtual data model view, to multiple data sources through other EIQ Products, including other EIQ Servers.
2. EIQ SuperAdapter™- edgware that manages access to a single data source with a mapped virtual data model view.
3. EIQ TurboCharger™ - edgware that manages access to, and improves query performance and capabilities of, a single data source, with no mapped virtual data model view.
4. EIQ Adapter™ - edgware that manages access, and passes on queries (no indexes), to a single data source, similar to a conventional federated adapter.

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