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

REVISION 1.7

WhamTech EIQ Products consist of adapters, sub-middleware and add-ons that are architecturally similar to conventional federated adapters in that they leave data in data sources. But they differ considerably in that they uniquely provide basic and advanced cleansed, transformed and standardized indexes, and database-type query processing and enterprise search across multiple disparate data sources and systems.

EIQ Products enable virtual near real-time data access, analytics, integration, sharing and interoperability for solutions such as federated data access, information sharing, virtual operational data stores, cloud data services, virtual data warehouses, virtual data marts, virtual or hybrid (virtual and physical) master data management, virtual access to mainframe data files, Intelligent Spider™, virtual link mapping, virtual link analysis, social media analytics, Living Networks™ (real-time link analysis) and eDiscovery. For more information on these solutions, go to whamtech.com/solutions.htm.

EIQ Products combine the advantages of conventional data warehouses, conventional federated data systems and enterprise search, and at the same time, overcome the disadvantages of each. This allows for highly successful queries across multiple structured, unstructured and semi-structured data sources. EIQ Products facilitate rapid implementations with incremental deliverables, provide advanced and unique capabilities, and impose almost no additional load on data source systems.

EIQ Products overcome major data access, analytics, integration, sharing and interoperability hurdles, including:

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

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 like conventional federated adapters/sub-middleware and are accessed through standard drivers (JDBC, ODBC, OLE-DB and Web Services). Applications, middleware and other EIQ Products, called EIQ Federation Servers™, connect directly to all EIQ Products. EIQ Products accept standard query language (SQL) and the basic adapters and sub-middleware are available in four complementary forms:

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

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