

EIQ SUPERADAPTERS™ VS. CONVENTIONAL ADAPTERS IN FEDERATED DATA SYSTEMS SUMMARY

REVISION 2.8

UNCONVENTIONAL EXTERNAL INDEX AND QUERY (EIQ) SUPERADAPTERS

WhamTech offers **EIQ SuperAdapters** that directly compare to, and compete with, conventional adapters in federated data systems. Conventional adapters submit queries to data source systems and are subject to the constraints of the individual systems, including “dirty” and non-standard data, indexes available, query capabilities and system availability. **EIQ SuperAdapters** are different from conventional adapters in that they uniquely provide index and query processing layers that absorb almost 100% of the functionality and load that conventional adapters impose on data source systems. Similar to conventional adapters, **EIQ SuperAdapters** leave data in source systems.

Feature	EIQ SuperAdapters	Conventional Adapters
Minimal implementation time	✓	✗
Clean usable data in indexes and results	✓	✗
Consistent and multiple indexes and types	✓	✗
Almost any data source	✓	✗
Pre-aggregated and pre-calculated fields	✓	✗
Results when data sources unavailable	✓	✗
Almost no index or query load on data sources	✓	✗
Data sources mainly unaware of queries	✓	✗
Archive solutions	✓	✗
Actively monitor data sources	✓	✗
Full text search	✓	✗
Unlimited query options and performance	✓	✗
Denormalized views	✓	✗
Link mapping and analysis/data mining	✓	✗
Row, column and data element security	✓	✗
No need for index update process	✗	✓
No additional storage	✗	✓

THE POWER OF EIQ SUPERADAPTERS IN A FEDERATED DATA SYSTEM

EIQ SuperAdapters combine technologies from data warehouses, federated data systems with conventional adapters and enterprise search to provide a dataless hybrid of the three. This results in high-capability adapters that plug-and-play in almost any architecture, thus the name **EIQ SuperAdapters**. The benefits of data warehouses are retained, namely (i) clean, transformed and standardized indexes and results, (ii) multiple types of indexes, including pre-aggregations and pre-calculations; (iii) multiple options for query processing and (iv) security of data and access. At the same time, the primary benefit of federated

data systems is retained: data remains stored at source and the primary benefit of enterprise search is retained: find almost anything, regardless of where it resides. All EIQ Products, including **EIQ SuperAdapters** can be accessed like databases through standard drivers such as ODBC, JDBC, OLE-DB and Web Services, and SQL.

FEDERATED DATA ACCESS WITH EIQ SUPERADAPTERS OFFER LOW COST, RAPID DELIVERY, SCALABILITY AND ADVANCED CAPABILITIES

As there are no major schema transforms, complex query transforms or complex results processing to manage, **EIQ SuperAdapters** take less time and less cost for (i) initial implementation, (ii) adding data sources and (iii) data source changes. **EIQ SuperAdapters**-based solutions enable data warehouse quality data access, analytics, integration, sharing and interoperability, with the flexibility to evolve as needs change. **EIQ SuperAdapters** also allow early and rapid sequential deliverables.

Mark Armstrong, President, mark.armstrong@whamtech.com, (972) 991-5700 x208

Gavin Robertson, CTO and Sr. VP, gavin.robertson@whamtech.com, (972) 991-5700 x206