

## EQ SERVER VERSUS OTHER APPROACHES

REVISION 1.32

1, 2 and 3 = rank in matching feature; 1 is best, 3 is worst.

Feature	EQ Server	Federated Database	Data Warehouse	Enterprise Search
Structured database queries	1	1	1	No
Unstructured text searches	2 <sup>a</sup>	No	Unusual	1
Fast query responses	2 <sup>b</sup>	2	1	1
Data stays at source	2 <sup>c</sup>	1	No	2 <sup>c</sup>
Near real-time index updates	2 <sup>d</sup>	1	Unusual	Unusual
Non-intrusive system changes	2 <sup>e</sup>	1	2	1
Low impact on data source	1	3	1	1
ALL data sources – structured, unstructured, and semi-structured	1	No	No	2 <sup>f</sup>
Very large data sets	2	3 <sup>g</sup>	1	1
Merge results	1	2	1	N/A
Original schemas	1	1	No	N/A
Complex queries	2	2 <sup>g</sup>	2 <sup>g</sup>	2 <sup>f</sup>
Ad hoc queries	1	3 <sup>g</sup>	3 <sup>g</sup>	1
Range queries	1	3 <sup>g</sup>	2 <sup>g</sup>	N/A
No data processing	2 <sup>h</sup>	1	3	2
Familiarity of approach	3	1	1	2
Applications do not know about data sources	1	2	1	No
Do not need exact queries	1	2	Need	1
Drill-down to source data level	1	1	Unusual	1
No additional storage	2 <sup>i</sup>	1	Significant storage	2
High-level aggregations	(2) <sup>j</sup>	3	1	N/A
Use data from one source to find data in another	1	No	N/A	Unusual
Data mining	2 <sup>k</sup>	No	1	N/A

**Note:**

- (i) EQ Server scores mainly 1’s and some 2’s for all features except familiarity, as EQ Server is non-conventional
- (ii) EQ Server really differentiates itself when considering ALL data sources: structured, unstructured and semi-structured, fast query response, non-intrusive, low impact, local access control, and ALL data sources not only database and not only unstructured documents
- (iii) EQ Server is the best combination of features

<sup>a</sup> Currently, only basic search functions

<sup>b</sup> Could be faster than a data warehouse (depends on size of retrieved results)

<sup>c</sup> Data required for indexes is read and discarded, but not moved to another location

<sup>d</sup> Small latency between transaction/change log update and indexes update

<sup>e</sup> Requires a replication tool to monitor transaction/change log

<sup>f</sup> Limited capabilities

<sup>g</sup> Could kill performance

<sup>h</sup> Indexes need processing on updates

<sup>i</sup> Indexes need storage, typically 20 to 80% of data and information

<sup>j</sup> Possible with upcoming Value Indexes™

<sup>k</sup> Some basic capabilities