

Business Intelligence Software Selection Tool

Class

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- 1 = future need
- 2 = low need
- 3 = moderate need
- 4 = must have

ID#	FUNCTIONAL GROUP	CLASS	REQUIREMENT
1	Administration		Active user groups
2	Administration		Automatic restart and recovery from failure
3	Administration		Clear the cache mechanism
4	Administration		Live phone and email technical support
5	Administration		Provide ability to generate logs of access to database with associated activities
6	Administration		Provide audit trail reports and alert notification (email, pager, etc.) on data acquisition failures
7	Administration		Provision of performance monitoring tools
8	Administration		Remote restart and recovery from failure
9	Administration		Report locking / check-out
10	Administration		Usage monitoring / reporting
11	Analytics		"What-if" analysis
12	Analytics		Ability to do ad hoc complex calculations (@ report level and cube level)
13	Analytics		Ability to perform drill down back to the source Data Base tables
14	Analytics		Ability to support Ad hoc reporting (development of new reports)
15	Analytics		Ability to support cost allocations and misc. adjustments
16	Analytics		Ability to support historical comparisons/trending
17	Analytics		Add columns
18	Analytics		Bar chart
19	Analytics		Chart title
20	Analytics		Column sorting

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ID#	FUNCTIONAL GROUP	CLASS	REQUIREMENT
21	Analytics		Control of long-running queries
22	Analytics		Cross-drill in any view/grid (drill a result by a 2nd dimension)
23	Analytics		Data filter prompts
24	Analytics		Data grid and chart view
25	Analytics		Data grid only view
26	Analytics		Data Mining / Intelligent Agents
27	Analytics		Decision tree
28	Analytics		Design tool for semantic layer (end user oriented)
29	Analytics		Dimension member search
30	Analytics		Dimension swapping / pivoting
31	Analytics		Divide columns
32	Analytics		Drag and drop dimension manipulation
33	Analytics		End user definition of calculated members
34	Analytics		End user definition of named sets
35	Analytics		End user meta data visualization
36	Analytics		Exception condition logic with color coding
37	Analytics		Forecast model support (e.g. linear regression)
38	Analytics		Forecasting/Hypothesizing/What-if
39	Analytics		Geo-spatial map
40	Analytics		Graphical display of dimensional hierarchy
41	Analytics		Heat map
42	Analytics		Hide column
43	Analytics		Histogram

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44	Analytics		Line chart
45	Analytics		MDX editor
46	Analytics		Multiply columns
47	Analytics		Pick list customization
48	Analytics		Pie chart
49	Analytics		Radial plot
50	Analytics		Ranking of data sets
51	Analytics		Rapid query response - defined as sub-30 seconds
52	Analytics		Scatter diagram / quadrant analysis
53	Analytics		sensitivity analysis
54	Analytics		Server level business logic definition
55	Analytics		Slicing/Dicing by dimensions (able to change view of existing reports)
56	Analytics		Standard deviation
57	Analytics		Subtotal row or column
58	Analytics		Subtract columns
59	Analytics		Support of modeling / scenario generation
60	Analytics		Supports plug-in of third party graphing tools
61	Analytics		Supports rolling-time periods
62	Analytics		Three dimensional graphing
63	Analytics		Cohort analysis e.g. view a group (products, customers, etc) along a time series
64	Analytics		Total row or column
65	Analytics		Trend lines
66	Analytics		T-tests

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67	Analytics		User defined calculations
68	Analytics		User defined hierarchies
69	Analytics		Variance analysis
70	Analytics		Wizard based query creation
71	Analytics		Write back capabilities to OLAP cubes / data marts. If the tool provides write back capabilities, explain security levels and administration of the cube.
72	Analytics		Zero/null cell suppression
73	Architecture		Ability for an administrator to publish KPI
74	Architecture		Ability for an administrator to publish KPI as a web enabled object
75	Architecture		Ability for an end user to publish KPI to other users
76	Architecture		Ability to create security groups with associated filters
77	Architecture		Ability to distribute report query over multiple CPUs concurrently
78	Architecture		Ability to import security profiles from standard file formats (i.e. .txt, .csv, etc.)
79	Architecture		Ability to set permission levels by user and/or security groups (i.e. read only access)
80	Architecture		Cell/Attribute level security
81	Architecture		Database partitioning strategy (if vendor provides there own database structures [i.e. Cubes])
82	Architecture		End user wizard for fixing missing data issues when a cube changes
83	Architecture		Exposed API for developer use
84	Architecture		Integration with Crystal Reports
85	Architecture		Integration with Microsoft Share Point
86	Architecture		List of supporting operating System (include recommendation from a performance and stability perspective)

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ID#	FUNCTIONAL GROUP	CLASS	REQUIREMENT
87	Architecture		Lotus Notes integration
88	Architecture		Microsoft Analysis Services cubes
89	Architecture		Microsoft Reporting Services integration
90	Architecture		Microsoft SQL 2000 compatible
91	Architecture		Microsoft SQL 2005 compatible
92	Architecture		High availability server clustering/mirroring
93	Architecture		Note native database connectivity and/or database connectivity protocols (i.e. ODBC, OLEDB, ADO, JDBC, etc.)
94	Architecture		Open software development kit for UI customizations and plug-in development
95	Architecture		Provision of a query optimizer
96	Architecture		Provision of optimization tools and server load balancing capability
97	Architecture		Report caching on server
98	Architecture		Shared data - dimensions and facts
99	Architecture		SMP Support
100			
101	Architecture		Support Microsoft IIS 5.0 web server
102	Architecture		Support Microsoft IIS 6.0 web server
103	Architecture		Support of Application and O/S Buffering
104	Architecture		Support UNIX server
105	Architecture		Supports 64-bit processing
106	Architecture		Supports Apache web server
107	Architecture		Supports Windows 2003 Server
108	Architecture		Supports Windows 2000 server

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109	Architecture		Three tier server architecture
110	Architecture		Tools must scale to accommodate several hundred simultaneous users
111	Client Architecture		Rich client using Active X
112	Client Architecture		Windows 2000
113	Client Architecture		Windows XP
114	Client Architecture		Wireless PDA
115	Client Architecture		Zero-foot print web client
116	Client Architecture		.NET client implementation
117	Data acquisition		Able to access and integrate multiple data sources (Relational and Multidimensional)
118	Data acquisition		AS 400 data acquisition
119	Data acquisition		CSV
120	Data acquisition		DB2 data acquisition
121	Data acquisition		Essbase
122	Data acquisition		Microsoft Excel
123	Data acquisition		Off-line (local) cubes
124	Data acquisition		Oracle data acquisition
125	Data acquisition		Provide database, server, and report logging capability
126	Data acquisition		Provide facility for metadata integration
127	Data acquisition		Provide facility to track version releases and system migration/promotion operations
128	Data acquisition		Provide for Meta Data Extraction and Display
129	Data acquisition		Provide performance monitoring capabilities.
130	Data acquisition		Provide tuning of SQL generated from tool.

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ID#	FUNCTIONAL GROUP	CLASS	REQUIREMENT
131	Data acquisition		SAS datasets
132	Data acquisition		Sybase
133	Data acquisition		Terradata
134	ETL		Data modeling tool requirements (ERwin / ca)
135	ETL		Advanced transfer ETL (Informatica)
136	ETL		Additional/Dedicated staging hardware resources
137	ETL Design		Processing using Slowly Changing Dimensions
138	ETL Design		Atomic methodology Design
139	ETL Design		Iterative cleansing process
140	ETL Design		Source system expertise
141	ETL Design		Meta data capture methodology
142	Reporting		Ability for users to publish ad hoc reports for mass distribution
143	Reporting		Ability to create highly formatted canned standard reports with parameter substitution
144	Reporting		Ability to directly access multiple data structures (Normalized, Star Schema, Multidimensional)
145	Reporting		Ability to download subset of data and operating in a detached mode (w/o losing functionality)
146	Reporting		Ability to show data from multiple sources and data structures on the same report
147	Reporting		Administrator level report "pushing" based on event triggers
148	Reporting		Availability of report "wizards" or templates to assist development effort
149	Reporting		Capacity to render a report in multiple formats including HTML, XML, and PDF)
150	Reporting		Client-based as well as Web/Browser integration (both HTML and

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			JAVA)
151	Reporting		Currency conversion
152	Reporting		Export functionality from browser-based solution (specifically to Excel)
153	Reporting		Export to email
154	Reporting		Export to PDF
155	Reporting		Export to Power Point
156	Reporting		KPI speedometers and spotlighting
157	Reporting		Microsoft Excel OLAP add-in
158	Reporting		Nesting of data
159	Reporting		Push report distribution
160	Reporting		Refresh data from within Excel
161	Reporting		Report annotation
162	Reporting		Reports are URL-addressable for access via any web portal / browser
163	Reporting		Style sheet integration
164	Reporting		Support Stop Light Reporting
165	Reporting		Supports dashboard KPI monitoring and views
166	Reporting		Supports development level complex filters (e.g. where clauses in SQL, using "like", "in" and "between" functions.
167	Reporting		User report subscription including definition of when report should be sent, format, and delivery method
168	Reporting		WYSIWYG
169	Security		Integration with Microsoft Active Directory Security
170	Security		Kerberos authentication

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171	Security		NTLM authentication
172	Security		Report level security
173	Security		Role based security
174	Security		Row / Column level security
175	Data mining		Deviation analysis (e.g. discover how a case or segment differs from others)
176	Data mining		Prediction (e.g. predict a value for a new case (such as a new customer) based on values for similar cases (such as existing customers))
177	Data mining		Time series analysis (e.g. predict the future)
178	Data mining		Prediction (e.g. predict a value for a new case (such as a new customer) based on values for similar cases (such as existing customers))
179	Data mining		Association (e.g. advanced counting for correlations)
180	Data mining		Segmentation (e.g. develop a taxonomy for grouping similar cases)
181	Data mining		Classification (e.g. assign cases to predefined classes such as "Good" vs "Bad")