

Feature Matrix - Reporting Tools

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	Crystal Reports	MS Access	R&R ReportWorks	SSRS Report Builder	List and Label Pro	QlikView Desktop	Jasper Reports	Impromptu	Oracle BI Publisher
	SAP/Bus.Obj	Microsoft	Liveware Publishing	Microsoft	combit GmbH	Qliktech	JasperSoft	Cognos	Oracle
Current Version	14.1 2011	2013/Office 360	12.5.001	3.0	20	11.20	6.1	7.5	
License model	Named Report Dev	Per Install	Named User	Free with SQL Server	Named App Dev	Named User	Open Source	Named User	
Price for features specified below	\$499	\$230	\$600	n/a	\$1,200	\$1,350	Open Source		
Fixed price for a site license	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Support/maint/renew optional?	n/a	n/a	Yes	n/a	Yes	Yes	n/a		
Support/maint/renew (cost)	n/a	n/a	\$500	n/a	\$600	20%	n/a		
Free trial available	30-day	30-day	No	n/a	Yes	Yes	n/a		
Year of initial release	1991	1992	Approx 1990	2004	1992	1993	2001		
Survey done by	Specialist	Specialist	Analyst (User)	Specialist	Vendor	Developer (A)	Ken	Ken	
Last Vendor Response	n/a	n/a	n/a	n/a	2015	n/a	2015	2015	
Operating systems supported	Windows	Windows/Mac	Windows	Windows	Windows	Windows	Windows/Linux/FreeBSD	Windows	
64 bit version available		X	No	Uses MS VB Studio - 32	X	X	X		
Overall Approach									
Metadata layer available/required	Available (enterprise)			Available (XML Code)	Required	Required	Available	Required	
GUI for end users or programmers	End Users	End Users	End Users	Programmers	End Users	End Users	Programmers	End Users	
Banded vs page based	banded	banded	banded	page based	page based	page based	banded	banded	
Has a table object				X	X	X	X		
Format of template file	Proprietary	Proprietary	Proprietary	XML	XML	Proprietary	XML	Proprietary	
Template file extension	RPT	ACCDB	RSW/RRW	RDL	Customizable	QVW	.jasper	.imr	
Design Interface									
Exposes all tables/fields for exploration	X	X	X	X	n/a (metadata)	X		n/a (metadata)	
Approach to table joins	GUI/SQL	GUI/SQL	GUI	SQL	n/a (metadata)	SQL/Script	SQL	n/a (metadata)	
Join types available in GUI	Inner/Outer/Cartesian	Inner/Outer/Cartesian	Inner/outer	n/a	n/a (metadata)	n/a	n/a	n/a (metadata)	
Joins allowed across connection types	Inner/Outer/Cartesian	Inner/Outer/Cartesian		Any (SQL)	n/a (metadata)	in Load Script	Any (SQL)	n/a (metadata)	
User written SQL allowed	X	X	X	X	n/a (metadata)	in Load Script	X	n/a (metadata)	
Preview layout changes without requery	X					n/a		X	
Can make layout changes in preview	X	limited				n/a		X	
Open/Modify template w/o connection	X	only for data in ACCDB		X	X	X	X		
Save a snapshot of data, work with it later	X	only for data in ACCDB							
Runtime Interface									
Runtime parameters for user input	X	X	X	X	X	X	X		
Parameters that allows multiple selections	X	Complex VBA	X	X	X	X			
Runtime query for parameter values	X	Complex VBA	X	X	X	X			
Drill-down from summary to details	new tab			X	same tab	X			
Can follow a hyperlink from preview	X	X		X	X	X			
Export to PDF/XLS/TXT/CSV	X	X	X	X	X	X	X		
Objects									
Charts (pie/bar/line)	X	X	X	X	X	X			
Report level cross-tabs	X	X	X	X	X	X			
Group specific cross-tabs	X	X	X	X	X	X			
Subreports	X	X	X	X	X	X			
Subreports within subreports		X		X	X	X			
Bar codes	X	X		free 3rd Party	X	Extension Nprinting			
2D bar codes		Third party?		free 3rd Party	X	Extension NPrinting			
Integrate PDFs into report		X		free 3rd Party	X				
Automatic Table of Contents	Third Party			X	X	X			
Automatic Index	Third Party				X	X			
Mailing label wizard/template	X	X							
Subtotals									
Can group/subtotal while keeping details	X	X	X	X	X	X			
Filter groups based on Subtotals	X	only in the query	preprocessed	X					
Can rank groups based on a subtotal	X	only in the query	preprocessed	X	via Crosstab	X			
Can Show TopN Groups with Others	X	only in the query	preprocessed	X	via Crosstab	X			
Running total fields	X		X			X			
Preprocessed total fields	X		X			X			
Expressions									
Can create calculated expressions	X	X	X	X	X	X			
Can group/summarize on expressions	X	X	X	X	X	X			
Use a named expression within another	X	X	X	X	X	X			
Compare values to next/previous row	X	X	Previous only	X	Previous	X			
Supports FOR and WHILE loops	X	Complex VBA		only in SQL		X			
Subreport values in main report calculation	X	X		X	X				
Format									
Text Objects can wrap to additional lines	X	X	If additional lines have been created	X	X	X			
Can interpret text stored in HTML/RTF	X	RTF Only		X	X				
Keep Together for individual objects	X		X	X	X	Extension NPrinting			
Keep Together for sections/bands	X	Details Only	X	X	X	Extension NPrinting			
Keep Together for groups	X	X	X	X	X	Extension NPrinting			
Keep Group Header/Footer with 1 detail	Workaround	Header Only	X	X	X	Extension NPrinting			
3 object colors (font/background/border)	X	X	X	X	X	Extension NPrinting			
Page breaks based on detail data	X	Complex VBA	X	X	X	Extension NPrinting			
Section colors based on detail data	X	X	X	X	X	Extension NPrinting			
Page N of M	X	X	X	X	X	Extension NPrinting			
Suppress bands based on expressions	X	X	X	X	X	X			
Formatting properties tied to expressions	X	X		X	X	X			
Object size/position tied to expressions	X	X		X	X				
Evenly space object groups automatically		X							
Images read from calculated path	X			X	X	X			
Text can flow around image/table objects				with embedded HTML	X	Extension NPrinting			
Multiple columns (across and/or down)		X	X	X	Down				
Can split sections into subsections	X			X					
Can superimpose sections (Underlay)	X	X		X					
Deployment									
3rd Party products in ecosystem	50		No	Third Party	OEM				
Crystal Reports conversion available	n/a	Third Party		Third Party					
Deployment to others									
Standalone Viewer Available	Third Party	Built in	Built In	X	Built In	X			
Cost of Viewer	\$0 - \$100	free	free	Free (*1)	free	Developer Licence			
Scheduler Available	Third Party	Built in (macro/WTS)	X (RapidRun)	X	-	X			
Cost of Scheduler	\$0 - \$1000	free	free	Free (*2)	-	Server Licence			
Web Portal Available	OEM/Third Party			X	OEM	X			
Cost of Web Portal	\$2000+			Free (*3)	\$2000+	Server Licence			
SDK for application integration	.NET/Java		Windows API for calling report viewer from C, VB, Power Builder	X	C#, .NET, C++, Java,others	.NET, Java			
Comments:		Free MS Access 2013 runtime allows apps to be run on PCs without MS Access installed.	Has not been updated for about 5 years.	Viewer in IE, Chrome and Firefox	Allows an application developer to distribute a report engine-D4 with his application so his users can design and run reports.	Some classic reporting features require the Extension Nprinting	Can't connect using ODBC or OLEDB but can use JDBC.		
* Features with an asterisk have their codes explained in the glossary. Almost all features above are defined in the glossary:				Web Portal is ASP Web viewer			Java based for web based projects.		
http://kenhamady.com/reporting_tools_glossary.pdf				SDK in VB					