

SAP Crystal Reports Server 2008 – Cost Advantage in a Microsoft Environment



Applies to:

SAP Crystal Reports Server 2008

Summary

This document describes the scenarios and savings available by using SAP Crystal Reports Server in conjunction with Microsoft SQL Server and Microsoft Sharepoint technologies.

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Author Bio



Blair Wheadon is a Channel Manager for distribution and eStore. He primarily works with the SAP Crystal solutions family of products. This includes SAP Crystal Reports, SAP Crystal Reports Server, SAP Crystal Dashboard Design (formerly Xcelsius) and SAP Crystal Interactive Analysis.

Table of Contents

SAP Crystal Reports Server – A Better Value for Reporting and Dashboarding	3
SAP Crystal Reports Server – What It Is and What It Is Not.....	3
Scenario 1: Adding Data Driven Publishing to SQL Server Standard	3
Scenario 2: Add Dashboarding To Your Reporting Solution	4
Scenario 3: Easier Management of Virtualized Environments	5
Copyright	6

SAP Crystal Reports Server – A Better Value for Reporting and Dashboarding

This paper will show how SAP Crystal Reports Server:

- Provides an up-front cost advantage of 45% in data-driven publication scenarios
- Provides an up-front cost advantage 64% in dashboarding scenarios
- Enables data centers to achieve full benefits from investments in virtualization.

SAP Crystal Reports Server – What It Is and What It Is Not

SAP Crystal Reports Server for customers that require a small to mid size reporting server.

SAP Crystal Reports Server Is...	SAP Crystal Reports Server Is Not...
For reporting to a maximum of 350 connected users – 250 concurrent access licenses and 100 named users.	A multi-server reporting product. Clustering and failover is not available.
For dashboarding to a maximum of 100 connected users	For use with the SAP BusinessSuite or SAP All-In-One.
For reporting and dashboarding using SAP BusinessOne	A Business Intelligence solution. Business user focused tools such as Web Intelligence, Voyager, Explorer, Mobile, BI Widgets are not included.
For integrating into .Net and Java applications	For use with BusinessObjects Universes. Universe Designer is not included.
For integrating into Sharepoint and Java portals	For addressing data quality and data integration business problems.

Scenario 1: Adding Data Driven Publishing to SQL Server Standard

Data Driven Publishing is a feature of SQL Server Reporting Services in the Enterprise Edition only, and includes publishing to an unlimited number of recipients.

By using SAP Crystal Reports Server, customers of SQL Server Standard can now add data driven publishing to a limited number of users at a savings of up to 45% compared to SQL Server Enterprise.

SAP Crystal Reports Server			Microsoft SQL Server Enterprise		
Size	Recipients per Publication	List Price (USD)	Size	SQL Server Enterprise Price (USD)	Savings from SAP Crystal Reports Server
5 CAL	100	\$6,995	Server + 25 Users	\$12,692	\$5,697 / 45%
10 CAL	250	\$11,495	Server + 50 Users	\$16,792	\$5,297 / 32%
20 CAL	1,000	\$18,495	Server + 100 Users	\$24,992	\$6,497 / 26%
250 CAL	Unlimited	\$59,995	4 Processor	\$109,980	\$49,985 / 45%

Microsoft Source: [SQL Server 2008 Pricing](#).

Scenario 2: Add Dashboarding to Your Reporting Solution

SAP Crystal Reports Server includes SAP Crystal Dashboard Design (formerly Xcelsius) viewing rights for up to 100 named users. Microsoft requires Sharepoint Server 2007 Enterprise Edition for comparable functionality.

This table shows the Microsoft reporting and dashboarding stack. We've excluded the Windows Server and Windows Server CAL license from this calculation. All prices retrieved from public sources.

This analysis assumes that you follow IT best practices and have a separate SQL Server instance for executing your Microsoft Reporting Services reports.

SQL Server Standard	\$898 per server
SQL Server Standard CAL	\$164 per user
Microsoft Office Sharepoint Server (MOSS) 2007	\$4,424 per server
MOSS 2007 CAL, Standard Edition	\$94 per user
MOSS 2007 CAL, Enterprise Edition	\$75 per user

The MOSS 2007 Standard Edition and Enterprise Edition CALs are additive.

By using SAP Crystal Reports Server for dashboarding, customers of SQL Server Standard Edition can save up to 64% compared to the equivalent dashboarding solution on Sharepoint 2007.

Number of Dashboard Users	SAP Crystal Reports Server		Microsoft	Savings from SAP Crystal Reports Server
	Size	List Price (USD)	List Price (USD)	
5	5 NUL	\$2,495	\$6,964	\$4,469 / 64%
10	10 NUL	\$4,990	\$8,619	\$3,629 / 42%
20	20 NUL	\$9,980	\$11,929	\$1,949 / 16%
50	50 NUL	\$16,995	\$21,859	\$4,864 / 22%
100	100 NUL	\$24,995	\$38,409	\$13,414 / 35%

Scenario 3: Easier Management of Virtualized Environments

A customer wants to add reporting to an extranet, and use a virtualized server to lower operating costs.

SAP Crystal Reports Server uses Concurrent Access Licensing for casual reporting users, which allows for anonymous access to the system for up to 250 concurrent users.

For an extranet scenario, Microsoft SQL Server recommends Processor licensing. Processor licensing means that the adding and removing of processors to virtual and physical machines trigger licensing events, and adds hidden costs to the management of SQL Server environments.

Event	SAP Crystal Reports Server Concurrent Access License	Microsoft SQL Server Processor License
Add physical processor to server	No licensing change required	Standard Edition or Workgroup Edition: No licensing change required. Enterprise Edition: If every physical processor on the server is licensed, then you need to acquire an additional processor license for the newly added processor. Otherwise the Standard Edition rules apply
Add virtual processor to virtual machine	No licensing change required	Standard Edition or Workgroup Edition: Each virtual processor used by SQL Server in a virtual machine must be licensed. You need to acquire an additional processor license for the newly added virtual processor. Enterprise Edition: If every physical processor on the server is licensed, then no licensing change is required. Otherwise the Standard Edition rules apply.
Move virtual machine to another server	No limits and no licensing change required	From the SQL Server 2008 Licensing Overview: “Copies of SQL Server 2008 that are run on a virtual machine, can only be transferred from server to server every 90 days. Running copies of the VMs can be moved across licensed servers at any time.”

Microsoft source: [SQL Server 2008 Licensing Overview](#).

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