

A comparison of Crystal Server and CRD

If you are looking for a web-based solution which allows users to generate and view reports themselves on the internet or intranet, then Crystal Server is the one for you. In addition to this, Crystal server has some basic scheduling functionality which allows you to schedule reports to be exported and delivered at defined intervals.

If you are looking for a scheduling tool which will run your reports, export them to multiple formats and deliver them to multiple destinations then CRD is the one for you. CRD concentrates on the scheduling and delivery aspects of your total report distribution solution. It is not a web based solution.

Many users use Crystal Server to provide web-based ad-hoc reporting capabilities to their staff and clients, but use CRD to push reports into the in-boxes, printers, ftp sites etc in more formats and with greater flexibility than Crystal Server allows.

The two products work well together. When reading the comparison of CRD and Crystal Server below it is important to remember that only the report scheduling and distribution capabilities of the two products are being compared.

Disclaimer:

This comparison is based on our experience of [Crystal Server 5 Cal Evaluation Edition](#) as well as what other users have reported to us. It is compared with the [Evaluation Edition of CRD](#). Because the comparison is written by us, it is subjective. The document should be read in this context. If you find an inaccuracy please send an email to crserver-crdcomparison@christiansteven.com and it will be corrected within 24 hours. **You must not purchase one or other product based on the comparison below alone. You must test out both products thoroughly to find out which one (or if both) is suitable for your business and your needs.** ChristianSteven will not accept responsibility for any business decisions made by you based on this comparison under any circumstances. By reading the comparison you agree to this statement.

Crystal Server	CRD
General	
Q: What is the size of the download?	
A: Nearly 1Gig and its in two separate files	At time of writing this (June 2006), it is a single 80MB file. It may rise to 100MB in the next 12 months
Q: Do I have to register to try it?	
A: Yes. And then you get the inevitable promotional emails and sales phone calls... Registration is free.	No. Register only if you want support. Registration is free. You will not receive any unsolicited promotional emails or phone calls.
Q: What are the basic hardware/software requirements?	
A: You require Windows 2000 or 2003 Servers. IIS must be installed and configured. The server must have access to the internet and a suitable firewall must be installed to allow users in and keep everyone else out.	CRD will work on Windows 2000 Server and Workstation, Windows XP, Windows NT Server, Windows 2000 and 2003 Servers. So it will work on PCs as well as servers.
Q: How many users can be logged on simultaneously	
A: Up to 20	Because users only log on to write schedules and administer other automation functions, CRD is licensed per installation, not per user. If, for example, it is installed on 1 server, there is no limit to the number of people who can log on and use it. The number of installations you can have is dependent on the license you own, but there is no limit to the number of clients that can connect concurrently to the same scheduling database - save for the limit set by your database server.
Q: Will it work with my MS Exchange Server?	
A: Yes. The Exchange server will need to be configured so	Yes. The Exchange server does NOT have to be

<p>that it will accept SMTP relay from the Crystal Server machine. If this isn't acceptable to your SMTP server administrator, then you will need to identify a SMTP server that you can access.</p>	<p>configured for SMTP. If you wish (and lets face it, its what most email administrators prefer), CRD simply integrates with the Exchange server silently.</p> <p>This means that you can use your Outlook and Exchange address books and the emails are subject to all the system policies set up in Exchange by your email administrator.</p> <p>If you cannot or prefer not to use an internal SMTP or Exchange server, you can simply use CRDMail, which is ChristianSteven's own SMTP server. Its free!</p>
<p>Email</p>	
<p>Q: Can I send one recipient an Excel Worksheet and another a PDF Acrobat document? Similarly can another user receive a Word document etc?</p>	
<p>A: You would have to write three schedules for this</p>	<p>Yes. Create as many "Destinations" as you like. Select a different output format for each destination. If you want 1 recipient to receive 10 reports of different formats but all in the same email, then set up a "Package"</p>
<p>Q: My report is processed but the email message isn't received</p>	
<p>A: There may be several reasons for this.</p> <ul style="list-style-type: none"> • Use Server/View STMP log and see if anything obvious is revealed in the discussion with the SMTP server. • You may need to increase the timer value in the SMTP configuration form. • Increase the timer value in steps of 10 to see what setting works on your site 	<p>There may be several reasons for this depending on whether you are using SMTP, MAPI or CRDMail.</p> <ul style="list-style-type: none"> • Use System Monitor - Error Log to see if anything is revealed. If you are using the Windows service integrated with Exchange server, your Windows Event Log may also show some messages. Check the Email log to see if CRD thinks it actually did send the email. Check the Email monitor to see if the email is still in the queue waiting to go. • You may need to increase the SMTP timeout. Go to Options - Messaging and increase the timeout value. • In Options - Messaging, check the options "Retry failed mails". This option ensures that if anything happens to your mail server, CRD will keep trying until the server is back on line.
<p>Q: What mail server and clients does it work with? For instance, can I receive reports sent to my email? I am using Outlook.</p>	
<p>A: Reports are emailed only by SMTP. However any email client eg Outlook, Outlook Express, Pegasus Mail, Lotus Notes, can view the reports sent from the Crystal Server.</p>	<p>CRD uses its own SMTP server (CRDMail), your SMTP server or your MAPI compliant server e.g Outlook or Exchange. CRD can also integrate with Lotus Notes and Groupwise.</p> <ul style="list-style-type: none"> - Emails can be viewed by all known email clients. - There is support for Japanese character sets.
<p>Q: Can I embed the report into the email instead of sending it as an attachment?</p>	
<p>A: Crystal Server cannot do this</p>	<p>- If you are using SMTP or CRDMail you can embed the report into the email as part of the email body instead of as an attachment. These emails can be read by all email clients which can read HTML emails.</p>
<p>Q: I've created a list of email addresses so I can email a report to multiple people. Where do I put the name of the list file?</p>	
<p>A: Crystal Server cannot do this</p>	<p>There is no programming to do. Simply select the</p>

		"text file" option and browse to your file. CRD does the rest.
Q: Can I pick the email address from a database?		
A:	Crystal Server cannot do this	There is no programming to do. Simply select the "database" option and follow the wizard. CRD does the rest.
Q: I want to know when the email has been delivered and when the recipient has read it.		
A:	Crystal Server cannot do this	Yes. CRD can do this if you are using Exchange/Outlook.
Q: I want to send a report to my manager and another party. I need to do this for many reports. How do I send the report to two email addresses?		
A:	The current version supports multiple email addresses separated by semi colons (;) CC and BCC functionality is also available. These have to be typed into the email template.	<p>CRD allows you to enter email addresses into "to", "CC" and "BCC" fields.</p> <ul style="list-style-type: none"> -Separate email addresses using semi-colons. -Simply pick multiple email addresses from your Outlook/Exchange address book or from CRD's own Internal Address Book. - Pick distribution groups from your Outlook/Exchange address book or from CRD's own Internal Address Book. - Use a SQL statement to define your list of email addresses right out of any odbc compliant database. - Select a standard text file which has email addresses in it using a standard windows browse dialogue. CRD knows what you have selected and programming is required.. - Use a mixture of the above.
	Crystal Server (Formerly Crystal Enterprise)	CRD
Other Destinations		
Q: Apart from email, what other output destinations can I send reports to?		
A:	<ul style="list-style-type: none"> - Disk folder - FTP 	<ul style="list-style-type: none"> - Disk Folder - Printer - FTP - FAX - Secure FTP - ODBC - SMS (Cell phone text) - File transfer via RAS to a remote PC
Q: Can my report create a unique file name each time it runs?		
A:	Crystal Server cannot do this	<p>Yes.</p> <ul style="list-style-type: none"> - You can do this by using the Date Stamp Feature. - You can also use the "Naming" module to change the name of the output file to whatever you want using CRD Constants. - You can also give your exported file a different

		<p>extension to what Crystal normally gives it. e.g. an RTF output can be given a "DOC" extension to make it more easily recognizable by the recipient.</p> <ul style="list-style-type: none"> - Works with email, ftp, and disk outputs. - Does not apply to printer and SMS (cell phone text) outputs.
Q: Can I direct the report output to an FTP folder?		
A: Yes		Yes. CRD includes simple and complex FTP functionality. Do it with a couple of clicks. You can also send to a SecureFTP destination.
Q: Can I control the schedule so that some of my reports print landscape and some print portrait?		
A: Crystal Server cannot send the output to a printer		Yes. And you can choose paper size too. You even get a choice of using CRD's default printing method, or Crystal's built-in printing module. Each offers different printing properties to choose from.
Q: Can I do bulk printing? (One report to many printers)		
A: Crystal Server cannot do this		Yes
Q: Can I send one report to many folders without having to rerun the report each time?		
A: Crystal Server cannot do this		Yes
Q: Can I PGP encrypt the resulting file?		
A: Crystal Server cannot do this		Yes
Q: Can I have the schedule run now but be delivered in 2 hours time?		
A: Crystal Server cannot do this		Yes
Q: Can I append a date/time stamp to the output file name?		
A: Crystal Server cannot do this		Yes
Q: Can I compress (Zip) the resulting file before delivery? And can I use Zip security to encrypt the resulting zip file?		
A: Crystal Server cannot do either of these		Yes, you can do both
Q: I want to clear out reports from the destination folder that are older than 1 month. How do I do this?		
A: Crystal Server cannot do this		You can do this using the Folder Housekeeping option.
Q: Do I need to have a FAX modem connected to the PC?		
A: Crystal Server cannot do this		If you have a FAX modem you can select this and CRD will use it. CRD will also integrate well with most FAX server software.
Q: Can I export just selected sections of the report?		
A: Crystal Server cannot do this		Yes
Q: Can I execute multiple reports simultaneously to one destination?		

A:	You would have to set up multiple schedules and point them to the same folder	You can do this using a Package Reports Schedule.
Output Formats		
Q: What formats can the report be exported to?		
A:	<ul style="list-style-type: none"> - Crystal Report - Microsoft Excel - Microsoft Word - Rich Text - Acrobat PDF - Text - CSV 	<ul style="list-style-type: none"> - Crystal Report (rpt) - Microsoft Excel 7, 8, 97-2000 & Data Only (xls) - Microsoft Word (doc) - Rich Text (rtf) - Acrobat PDF (pdf) - Text (txt) - CSV (csv) - Data Interchange Format (dif) - dBase II, III and IV (dbf) - HTML (htm) - Lotus 1-2-3 (wk1, wk3, wk4 and wks) - TIFF (tif) - XML (xml)
Q: When exporting to PDF, can I set a password, or select whether the viewer can print?		
A:	Crystal Server cannot do this	Yes. PDF security options are available and the resulting file will be encrypted to your specification.
Q: When Exporting to PDF it would be nice if my report group headers were shown as bookmarks. How do I do this?		
A:	Crystal Server cannot do this	Simply use the PDF Bookmarks option to tell CRD which group headers you want to use.
Q: When my manager goes to File -> Properties in the pdf or word document he has received, I want him to see my name as the author?		
A:	Crystal Server cannot do this	You can determine what is shown in the summary or properties of the exported file by using the File Summary functionality. This is available for most output formats including pdf and word output.
Q: When exporting a big report to HTML will it come out on one page, or on multiple pages (with links)?		
A:	Crystal Server cannot do this	You can choose how you would like the page to be presented.
Q: I want to burst each group in my report to a separate worksheet in the Excel workbook. Can I do this?		
A:	Crystal Server cannot do this	Yes
Q: I have 10 reports in the weekly report pack. I would like them to be exported to 1 excel workbook with each report as a separate tab in the workbook.		
A:	Crystal Server cannot do this	Yes. Use the Packaged Reports Schedule and select the option to merge all the constituent reports into a single workbook. You can even determine the name that will be given to each tab.
Q: Can I password protect the Excel output?		
A:	Crystal Server cannot do this	Yes
Schedule Frequencies		
Q: What frequencies can I schedule?		
A:	<ul style="list-style-type: none"> - Once - Hourly - Daily - Weekly - Monthly - First day of month 	<ul style="list-style-type: none"> - Once - Hourly - Daily - Weekly - Weekdays - Monthly

	- Last day of month - X day of nth week of month - Calendar	- First day of month - Last day of month - X day of nth week of month - Calendar
Q: I have set my schedule to run every Monday but I don't want it to run when its a public holiday.		
A:	Crystal Server cannot do this	Use an Exception Calendar to tell CRD which days to exclude.
Q: I want to run the report on the last Friday of every month. Some months are 4 weeks and some months are 5 weeks. How do I do this?		
A:	Set up a calendar and select the days you want the schedule to run.	Select "Monthly" as your scheduling option, then select "Last Friday of the month". CRD will work out when that day is for each month and export the report on those days.
Q: The report needs to run every Wednesday. On that day it needs to run every hour from 8am to 5 pm. Do I need to write a schedule for each hour?		
A:	Yes. You can schedule to run every hour from a specified start date to end date e.g 5 June till 15 July. But you cannot tell it to run hourly every Wednesday. So you would need to write a weekly schedule for each hourly report.	No. You can tell a schedule to run hourly between 8am and 5pm every Wednesday
Q: I need to run my Monthly reports at 1am on the first day of every month. How do I do this?		
A:	Set up a calendar and select the days you want the schedule to run.	Select "Monthly" as your scheduling option, then select "First Day of the Month". CRD will work out when that day is for each month and export the report on those days.
Schedule Types		
Q: Can I set up a schedule of a single report? Can I create different schedules of the same report with each schedule having a different parameter value (to pull up different data)		
A:	Yes	Yes. Use a Single Report Schedule. If your report does not have parameters, you can modify the Record Selection Formula on a schedule by schedule basis. The modified formula is stored in CRD and so the report can be re-used.
Q: My monthly report pack consists of 50 reports. Can I send all 50 reports as attachments in the same email, or will I get 50 emails with an attachment in each?		
A:	You would get 50 emails each with an attachment	Using a Packaged Reports Schedule, all the reports will be sent as attachments in a single email. You can also choose to zip your reports before they are sent so that you receive a single email with a single attachment. Packaged Reports Schedules also give you the option of having all the reports exported as tabs in a single Excel workbook, or as Bookmarks in a single PDF document.
Q: We have 500 stores. Every Monday each store Manager must get a sales report. I don't want to write and maintain 500 schedules. Is there another way?		
A:	No. You would have to write and maintain 500 schedules	Yes. Write a single Dynamic Schedule. Assuming your store managers' email addresses are stored in a database a dynamic schedule will do the following: - reel through the database, - populate the StoreId parameter automatically, - run the sales report for that store, - email it to the store manager using the email address in the database, and repeat the above actions for every store in the database.

		You can schedule this process to run every Monday.
Q: Instead of running to a daily or weekly schedule, I need the report to fire off every time a new sale is entered in the sales database. Can you do this?		
A:	Crystal Server cannot do this	<p>Yes. Write an Event-Based schedule. CRD can fire off reports based on the following events:</p> <ul style="list-style-type: none"> - Database record exists - Database record does not exist - Database record has been modified - Database record has not been modified - File exists - File does not exist - File has been modified - File has not been modified - Process exists - Process does not exist - Window is present - Window is not present - Unread email is present (POP only) - Unread email is not present (POP only) <p>You can even pick up values from the database record or email which triggered the report and use these as parameter values, email addresses and more. You can fully automate many of your office processes using Event-based schedules.</p>
Q: I would like each group in the report to be exported on its own and emailed to a different recipient. How do I do this?		
A:	Crystal Server cannot do this	Write a Bursting Schedule, match your groups to their recipients and leave the rest to CRD.
Q: Can I do any other automation routines?		
A:	Crystal Server cannot do this	<p>Automation schedules allow you to link and run a number of custom actions as an automation routine or "macro".</p> <p>For example,</p> <ul style="list-style-type: none"> - execute an application or batch file, - wait 15 seconds, - create a folder, - write to a file, - run a report, - Send an email <p>and many more...</p>
Q: Can I do any other automation routines before and after the report is exported?		
A:	Crystal Server cannot do this	Yes. Simply set up the custom tasks you want and specify whether you want them to run before or after the report has been exported.
Exception Handling and Support		
Q: What happens if the schedule errors?		
A:	It times out and fails.	You can set CRD to email a designated address, write to a log file, send a cellphone text or all three. This gives you an opportunity to resolve the problem and rerun the schedule even before your boss or customer knows there was a failure.
Q: If the report hangs due to database traffic what happens?		
A:	It times out and fails.	If the process hangs: Sometimes, the database

		connection is not severed, or there are other issues caused by the failure of the Crystal Reports dlls on your PC or server. Under these conditions, CRD will not mark the schedule as failed or successful as it believes the report is still in the process of being generated. You have the option to select "Treat as failed after x minutes". This unique feature ensures that report then follows the "Report Failure" instruction. Thus ensuring that even schedules that fail through no fault of CRD are recognized and processed in the manner required.
Q: If a report fails for any reason, can it be automatically rerun?		
A:	Crystal Server cannot do this	Yes, just set to retry x times on failure. It will retry that many times before it finally declares a failure.
Q: When a report doesn't return any data I don't want it to be emailed to me.		
A:	Crystal Server cannot do this	If the report is blank (returns no data), you can set CRD to send an alternative email to the report recipient, or another recipient. You can choose to attach the blank report to this email. This ensures that recipients are aware that there was not data, and differentiates between a failure and a blank report. Alternatively you can tell CRD to ignore the report all together.
Q: Sometimes my SMTP server times out. Can the email be re-sent when the server is up again?		
A:	Crystal Server cannot do this	Yes. If the mail fails to send because the mail server is unavailable or busy, CRD can be set to retry automatically until successful. Mails can also be retried manually or deleted from the queue manually. You can also increase the SMTP timeout value if required.
Q: I have a backup SMTP server. If the main one is down can I set the report to use the backup server?		
A:	Crystal Server cannot do this	Yes. You can set up multiple SMTP servers and mark the ones you want to use a backup servers. If the main server fails CRD will try each backup server in turn until the email is sent successfully.
Q: What information is put in the error message or log entries?		
A:	The error code	<ul style="list-style-type: none"> - The pc name - The schedule name - The report name (where applicable) - The error that was returned - At what point in the process the error happened - An explanation of what the error means, why it happens and what you should do to resolve it.
Q: What is support response like?		
A:	From what customers tell us (and you must read the following in this context only), email support is very slow. Sometimes you do not even receive an acknowledgement or a reply. The knowledgebase, white papers and other documents are available on the web site and are fully searchable. They are very comprehensive and very easy to read. Most clients are able to fix over 90% of problems using the web search.	Support tickets are logged through a web form. Support normally responds with a solution within 24 hours. Where necessary arrangements will be made to gain remote access to your PC and resolve the problem for you.

Functionality Comparison

	CRD	CR Server
General		
Max Number of Schedules	Unlimited	Unlimited
Number of Seats (Installations) permitted (Full Purchase)	Per Machine	CAL
Number of Seats (Installations) permitted (Subscription)	1	Not an option
Schedules		
Schedule Single Reports	✓	✓
Schedule Packages of reports	✓	
Automation Schedules	✓	
Dynamic Schedules	✓	
Event Based Schedules	✓	
Bursting Schedules	✓	
Parameters		
Parameters on main & Sub report	✓	✓
Single value parameter selection	✓	✓
Range of values	✓	✓
Read parameter from database	✓	
"Insert" Functions		
Crystal Functions	✓	✓
CRD Functions	✓	
Write your own functions	✓	
Adjustable constants e.g. @currentdate - 1	✓	
Dynamic Scheduling		
Auto populate dynamic parameter from database	✓	
Pick email from same table as parameter	✓	
Pick email from different table to parameter	✓	
Limit schedule based on email field selection criteria	✓	
Dynamic email content	✓	
Auto password protect PDF output	✓	
Dynamic folder hierarchy	✓	
Dynamic output file naming	✓	
Dynamic Group Bursting	✓	
Event Based Scheduling (Triggers)		
Database Record Exists	✓	
Database Record does not exist	✓	
Database record has changed	✓	
Database record has not changed	✓	
File Exists	✓	
File does not Exist	✓	
File has been Modified	✓	
File has not been Modified	✓	
Process exists	✓	
Window is Present	✓	
Windows is not Present	✓	

Unread email is Present	✓	
Unread email is not Present	✓	
Unread Email Body Text Parsing	✓	
Forward/Redirect unread emails	✓	
Single Condition trigger e.g if condition 'a' is true then perform actions	✓	
Multiple Conditions trigger e.g if condition 'a' is true AND/OR condition 'b' is true then perform actions	✓	
Static Scheduling (Single reports and packages)		
Use embedded data in "with data" reports	✓	✓
Auto Populate static parameter from database	✓	
Pick email from different table to parameter	✓	
Limit schedule based on email field selection criteria	✓	
Dynamic email content	✓	✓
Convert single schedule to package	✓	
Split package into single schedules	✓	
Email Delivery		
Output to email	✓	✓
Max number of recipients per schedule	Unlimited	Unlimited
Silent integration with MS Outlook/Exchange	✓	
Use Outlook/Exchange Address Book	✓	
Use CRD's Mail Server	✓	
Use Single SMTP account	✓	✓
Use Multiple SMTP accounts	✓	
Use CRD's own address book	✓	
Use Lotus Notes	✓	
Read email address from a database	✓	
Read email addresses from a mailing list (text file)	✓	
Add another file as attachment to email	✓	✓
cc and bcc fields	✓	✓
Read Receipt Processing (Exchange/Outlook only)	✓	
Print Delivery		
Output to single printer	✓	
Multiple copies to a single printer	✓	
Output to multiple printers (Bulk Printing)	✓	
Multiple copies to multiple printers	✓	
File Delivery		
Output to folder	✓	✓
Output to FTP folder	✓	✓
Output to Secure FTP	✓	
FAX Delivery		
Manual output to fax driver	✓	
Automated Faxing	✓	
One recipient per schedule/package	✓	
Multiple recipients per schedule/package	✓	
Other Delivery		
SMS (Cell Phone Text)	✓	

File Transfer via RAS to a remote PC	✓	
ODBC	✓	
Output Formats		
Acrobat (PDF)	✓	✓
Crystal Reports (RPT)	✓	✓
Character Separated (CSV)	✓	✓
HTML	✓	
Excel 7	✓	
Excel 8	✓	
Excel 97-2000	✓	✓
MS Word	✓	✓
Rich Text (Exact Format) (RTF)	✓	✓
Tab Separated	✓	✓
Text	✓	✓
XML	✓	
Lotus (WK1, WK3, WKS)	✓	
ODBC	✓	
Tif	✓	
Frequencies		
Every day	✓	✓
Every week day	✓	
Every Month	✓	✓
Every Year	✓	✓
Repeat every x hours until...	✓	✓
Custom Frequency Calendar e.g 4-4-3	✓	✓
Custom Exception Calendars (Don't run on specified days)	✓	
Custom Recurring Options	✓	✓
Event Based	✓	
Export now, deliver later (different export and delivery times)	✓	
DB Logon		
db logon for main report	✓	✓
db logon for subreports	✓	✓
Logon credentials include server name	✓	✓
Table level logon (multiple databases in the same report)	✓	✓
Override the report's database information at run time	✓	
Exception Handling		
On failure retry scheduling	✓	
If report is blank do some action	✓	
If report is blank, send alternative email	✓	
Output Options		
Custom naming of output file	✓	✓
Selection of date/time stamp format	✓	
Custom date/time stamp for single reports	✓	
Global custom date/time stamp for package	✓	
Specify output extension (.xyz)	✓	
Output Compression (zip)	✓	
Embed output into email body	✓	
Group Bursting	✓	
Section Bursting	✓	

Subreport Bursting	✓	
Custom date/time stamp for reports in packages	✓	
Special Excel Output Options		
Burst report groups into individual worksheets in one workbook	✓	
Merge a package of multiple reports into individual worksheets in one workbook	✓	
Modify Excel File Properties e.g Title, Author, etc	✓	
Special PDF Output Options		
Merge a package of multiple reports into a single PDF	✓	
PDF export with navigation tree	✓	
Password protect PDF output	✓	
Watermarks in PDF output	✓	
Custom Actions		
Run action after the schedule is executed	✓	
Run action before the schedule is executed	✓	
Run action before and after the schedule is executed	✓	
Run action on successful execution of schedule	✓	
Run action on successful delivery of report	✓	
Custom Action Types		
Run a program (exe, com, bat)	✓	
Open a document	✓	
Print a Document	✓	
Wait/Pause	✓	
Send an email	✓	
Bcc for above	✓	
Open a web address	✓	
Move a file	✓	
Delete a file	✓	
Copy a file	✓	
Rename a file	✓	
Compress (zip) a file	✓	
Uncompress (unzip) a file	✓	
Create a text file	✓	
Update a text file	✓	
Copy a folder	✓	
Create a folder	✓	
Rename a folder	✓	
Delete a folder	✓	
Run another schedule/package	✓	
Database - Create a table	✓	
Database - Drop a table	✓	
Database - Create a record	✓	
Database - Delete a record	✓	
Database - Update a record	✓	
Execute a SQL Stored Procedure	✓	
Execute a SQL script from a file	✓	
Create/Write a SQL script	✓	

FTP - Upload file	✓	
FTP - Download file	✓	
FTP - Create directory	✓	
FTP - Delete Directory	✓	
Secure FTP - Upload file	✓	
Secure FTP - Download file	✓	
Secure FTP - Create directory	✓	
Secure FTP - Delete Directory	✓	
Registry - Add a key	✓	
Registry - Delete a key	✓	
Registry - Modify a key/value	✓	
Automation Schedules (Macros) Actions		
Run a program (exe, com, bat)	✓	
Open a document	✓	
Print a Document	✓	
Wait/Pause	✓	
Send an email	✓	
Bcc for above	✓	
Open a web address	✓	
Move a file	✓	
Delete a file	✓	
Copy a file	✓	
Rename a file	✓	
Compress (zip) a file	✓	
Uncompress (unzip) a file	✓	
Create a text file	✓	
Update a text file	✓	
Copy a folder	✓	
Create a folder	✓	
Rename a folder	✓	
Delete a folder	✓	
Run another schedule/package	✓	
Database - Create a table	✓	
Database - Drop a table	✓	
Database - Create a record	✓	
Database - Delete a record	✓	
Database - Update a record	✓	
Execute a SQL Stored Procedure	✓	
Execute a SQL script from a file	✓	
Create/Write a SQL script	✓	
FTP - Upload file	✓	
FTP - Download file	✓	
FTP - Create directory	✓	
FTP - Delete Directory	✓	
Secure FTP - Upload file	✓	
Secure FTP - Download file	✓	
Secure FTP - Create directory	✓	
Secure FTP - Delete Directory	✓	
Registry - Add a key	✓	
Registry - Delete a key	✓	
Registry - Modify a key/value	✓	

Schedulers		
Application Scheduler	✓	
NT service scheduler	✓	✓
Scalability and Administration		
System Monitor	✓	✓
Multi-threading	✓	
CRD Clustering	✓	✓
Remote Administration	✓	✓
Secure User logon and profiles	✓	✓
CRD Database stored in Access (default)	✓	MySQL
Stored in local SQL Server installation	✓	✓
Stored in your own enterprise ODBC compliant database	✓	✓
Folder Housekeeping	✓	
Report history "Snapshots"	✓	
Archive disabled schedules	✓	
Email, Fax, File, FTP and Print in the SAME schedule	✓	
More than one destination of any type in one schedule	✓	
Manual system backup/restore	✓	
Scheduled system backups	✓	
Single schedule export/import	✓	
Command Line Options		
Run schedules by command line	✓	
Run packages by command line	✓	
Run a system backup by command line	✓	
Specify email address or fax number in command line	✓	
Specify parameter values in command line	✓	
Create a schedule by command line	✓	
Yearly Maintenance - 1st Year		
FREE support	✓	✓
FREE upgrades - minor and major	✓	Minor
FREE CRDMail	✓	