Crystal Reports Technical Document

Subject: Runtime Requirements for Crystal Reports 2.0(Standard)
Date: July 27, 1993
Versions: 2.0(Std)

Situation:
As a registered user of Crystal Reports, you are allowed to distribute a runtime version of the Crystal Reports print engine with your applications at no charge. The following is an overview of runtime requirements:

Solution:
For all applications
The following files must be included on a distribution disk, regardless of the application it accompanies:

CRPE.DLL   interface to the print engine
COMMDLG.DLL   help with printer selection, etc.
CRXLATE.DLL   include this file only if you are going to use the ToWords(x)
                          or ToWords(x,#places) functions in your reports.

Database specific requirements
The following files are necessary for their respective databases. If your application will not be reporting on one or more of these databases then you need not include the files for the databases that will not be used:

Paradox
PDBPDX.DLL   Crystal's Paradox DLL
PXENGWIN.DLL   Borland's Paradox DLL

Modifications Required:
A [Paradox] section in the WIN.INI file. This is created by running the PXENGWIN.EXE provided

dBASE, xBase (dBase III, IV and Foxpro)
PDBXBSE.DLL   dBASE's DLL (all flavors)

Btrieve
PDBBTRV.DLL   Crystal's Btrieve DLL
PDCTBTRV.DLL   Crystal's Btrieve DLL
WBTRCALL.DLL   Novell's Btrieve DLL
WBTRVDEF.DLL   Novell's Btrieve DLL

ObjectVision
PDIROV.DLL   Required if you created the report by pointing to
                    an ObjectVision OVD file

If you are including a Compiled Report on the distribution diskette;
include the following files:

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CRRUN.EXE   compiled reports program
<filename>.RPT   your report file
<filename>.MKX   compiled report resources
<filename>.EXE   compiled report executable
where <filename> is your report name

NOTE: Please check your development tool's manual to see if there are additional tool specific requirements.

WHERE TO INSTALL THE VARIOUS FILES
<u>CRPE files</u>

All of the print engine files should be placed in the same directory. It is required that you place these CRPE and database DLL files someplace where Windows can find them. When Windows tries to load the CRPE.DLL it will look first in the current directory, then in the \WINDOWS\ directory, then in the \WINDOWS\SYSTEM\ directory, and finally in the PATH.

<u>Report files</u>
The location you select for report files depends on what you have specified in your application. It is recommended that you use the report name with no path when you specify a report to print in your PEPrintReport or PEOpenPrintJob calls. If you have no path specified in your call you can install your runtime application in any directory on the user's machine.

For example:
            PEOpenPrintJob ("test.rpt") (No path specified)

When the call is made, the print engine will look in the current directory for the report file. If CRPE doesn't find the report file in the current directory, it will look for it in the Windows directory, then inthe Windows system directory, and finally in the path.

This means that you can place the report files in the same directory as your application and your application can be installed in any directory you like. As long as the application keeps that directory as the current directory, it will find the report files.

Otherwise if the path is specified:
For example:
            PEOpenPrintJob ("c:\testdir\test.rpt")
The CRPE will look only in that directory for the report.

<u>Database Files</u>
We recommend that you set the database location to be "Same as Report". This will tell the CRPE print engine to look in the same directory as the report file for the database files. Again, if it does not find the database files in this directory, CRPE will look for the database files in the Windows
directory, then in the Windows system directory, and finally in the path.

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NOTE: Please check the manual for your development tools to see if there are additional
tool--specific requirements.

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