

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

**STDRUNT.DOC**

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**

### CRPE files

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.

### Report files

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 in the 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.

### Database Files

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.