

## Crystal Reports Technical Document

**Subject:** Print Engine Function Summary

**Date:** November 11, 1993

**Versions:** 2.0(Std), 2.0(Pro)

**Situation:**

You want a brief summary of the Crystal Reports Print Engine API.

**Solution:**

Print Engine Function Summary

Engine Management

PEPrintReport	Print the report.
PEOpenEngine	Load print engine.
PECloseEngine	Close print engine.
PEGetVersion	Check engine version number.

Print Job Management

PEOpenPrintJob	Prepare to print a report.
PEClosePrintJob	Close the print job.
PEStartPrintJob	Print the report.
PEGetJobStatus	Evaluate the status of a print job.

Print Window Management

PEGetWindowHandle	Get the print window handle.
PEPrintWindow	Causes contents of print window to print.
PECloseWindow	Close the print window.

Print Destinations

PESelectPrinter	Select a printer other than the default printer.
PEOutputToPrinter	Prepare to direct output to selected printer.
PEOutputToWindow	Prepare to direct output to print window.
PEOutputToFile	Prepare to direct output to a file.

Sorting

PEGetNSortFields	Find the number of sort files in the report.
PEGetNthSortField	Get one of the sort fields.
PESetNthSortField	Set one of the sort fields.
PEDeleteNthSortField	Remove the specified sort field from the sort order.
PEGetNGroupSortFields	Find the number of group sort fields in the report.
PEGetNthGroupSortField	Get one of the group sort fields.
PESetNthGroupSortField	Set one of the group sort fields.
PEDeleteNthGroupSortField	Remove the specified sort field from the sort order.

Formulas

PEGetFormula	Get a named formula.
PESetFormula	Set the contents of a named formula.
PEGetSelectionFormula	Get record selection formula.
PESetSelectionFormula	Set new record selection formula.
PEGetGroupSelectionFormula	Get group selection formula.
PESetGroupSelectionFormula	Set new group selection formula.

Database Management

PEGetNFiles	Get the number of databases used in a report.
PEGetNthFileName	Get the name of a database used in a report.
PESetNthFileName	Point the report to the new location of the database.

#### Error Management

PEGetErrorCode	Get status code of most recent PE function call.
PEGetErrorText	Inquire on the error text.

#### Miscellaneous

PEGetHandleString	Get the text handle string.
SelfRegister	Register all available PE functions in Object Vision.

### Additional PE Functions for Professional Version

#### Print Format Management

PEGetReportTitle	Get title that appears on title bar of print window.
PESetReportTitle	Set title to appear on title bar of print window.
PESetMargins	Set the printer margins to the values specified.
PESetPrintOptions	Set a variety of printing options for the print job specified.
PESetSectionFormat	Set specialized formatting options for an entire section.
PESetMinimumSectionHeight	Set the minimum height for a report section.
PESetLineHeight	Set the line height for all lines in a given report section.
PESetFont	Set the font for selected report section(s).
PESetNDetailCopies	Print multiple copies of the Details section of the report.

#### Server Management

PELogOnServer	Log on to the specified server.
PELogOffServer	Log off of the specified server.

#### Table Management

PEGetNTables	Get the number of tables in the report.
PEGetNthTableType	Get the type of a table.
PEGetNthTableLogOnInfo	Get the log on information of a table.
PESetNthTableLogOnInfo	Set the log on information of a table.
PEGetNthTableLocation	Get the location of a table.
PESetNthTableLocation	Set the location of a table.
PETestNthTableConnectivity	Test if table settings are valid.

#### Miscellaneous

PESetGroupCondition	Change the group condition for a group section.
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### Remarks:

Complete descriptions of the functions, as well as general information on using the Print Engine to run reports from an application can be found in Section 10 of the Crystal Reports 2.0 manual, and Section 3 of the Crystal Reports 2.0 Pro manual.