

Crystal Reports, Seagate Info, and Seagate Analysis

Creating Reports on Drives, Directories, and Files on Local Computers and Servers

Overview

This document outlines how to create reports off drives, directories and files located on local computers and servers by making use of the P2sfs.dll database driver. This driver has been specifically customized to treat hard drives and servers as databases. Currently, this driver is only supported for the following products and versions:

- 32-bit Crystal Reports (CR) version 5 and later
- 32-bit Seagate Info (SI) versions 5 and later
- Seagate Analysis (SA) 7

Contents

INTRODUCTION	2
BEFORE YOU BEGIN	2
INSTRUCTIONS FOR USE	3
<i>Seagate Info.....</i>	<i>3</i>
<i>Crystal Reports.....</i>	<i>3</i>
<i>Seagate Analysis.....</i>	<i>3</i>
ANALYZING YOUR REPORT	5
CONTACTING CRYSTAL DECISIONS FOR TECHNICAL SUPPORT	5

Introduction

How is the P2sfs.dll driver file used to produce a report listing all the files on the computer?

The P2sfs.dll database driver is used to create reports that list existing files on a computer system. This is useful in diagnosing the following examples:

- Duplicate Files
- File Locations
- Directory Content
- Drive Structures & Content

Before You Begin

Before you can begin to use this driver, check the version of your product.

- If you are running Crystal Reports 7 and later or Seagate Info 7 and later or Seagate Analysis 7 and later, then this driver will already be installed on your computer.
- If you are running Crystal Reports 6 or earlier or Seagate Info 6 or earlier, you need to download this driver from our web site and apply it to your computer. On our web site <http://support.crystaldecisions.com/downloads>, search for: **P2sfs.zip**.

The P2sfs.dll file should reside in the \Windows\Cystal directory (on Microsoft Windows 9x computers) or the \Winnt\Cystal directory (on Windows NT 4.0 or 2000 computers).

If you are distributing the DLL to client computers for use with compiled reports or runtime applications (using Seagate Crystal Reports), the P2sfs.dll file should reside in either the application directory, or the client computer's \Windows\System or \Winnt\System32 directory.

Instructions for use

Seagate Info

Start the Info Desktop for Windows. Then, start the Info Report Designer or Seagate Analysis application.

- If you are running Seagate Info versions 5-7, then proceed to Step #1 followed by Step #3.
- If you are running Seagate Info version 7.5, then proceed to Step #2.

Crystal Reports

Start the 32-bit Report Designer.

- If you are running Crystal Reports versions 5-7, then proceed to Step #1 followed by Step #3.
- If you are running Crystal Reports version 8 and later, then proceed to Step #2.

Seagate Analysis

- Proceed to Step #1 followed by Step #3.

To connect and retrieve data from a computer's file lists:

1. Create a new Crystal report or Seagate Analysis document.
 - For Crystal Reports, select **SQL/ODBC** as the data source. Then, select **Local File System**.
 - For Seagate Analysis, select the **Data Sources** subdirectory from the Analysis Explorer window. Then, select **File System**.
2. Create a new Crystal report in the Report Designer or Info Report Designer.
 - For Crystal Reports, select **FILE | NEW** and **'As a Blank Report'**. This should open the Data Explorer window.
 - From within the Data Explorer window, expand **MORE DATA SOURCE**. Then, select **Local File System**.
3. Browse to select, or type, the local path for the directory structure upon which you wish to create a report.
4. Choose the SQL Table of the directory structure, e.g. (<c:\|*.*|-1>).
5. Select the following fields:
 - Directory
 - Version
 - File Type

- Description
 - Is Read Only
 - File Size
-
- In Crystal Reports and Seagate Info, place these fields into the **Detail** section of the report.
 - For Seagate Analysis, drag the fields into the **Fields** panel. Additional fields of information can be optionally placed onto the report.
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6. Group on the {File Name} field:
 - Crystal Reports/ Seagate Info: Select **Group** from the **Insert** menu, and then select File Name as the grouping field.
 - Seagate Analysis: Insert the {File Name} field into the **Groups** panel.

 7. Create a **Summary Field** on the {Directory} field:
 - Crystal Reports/ Seagate Info: In the Detail section, right-click the {Directory} field and select **Insert Summary**. Select **Count** as the summary operator.
 - Seagate Analysis: Right-click on the {Directory} field in the **Fields** panel and select **Create Summary Field**.

 8. Select {File Name} as the **Summary Group** and **Count** as the **Summary Operation**.

 9. Crystal Reports/ Seagate Info: Hide the **Detail** Section to allow Drill-Down.
Seagate Analysis: Ensure that **Selected Group Only** is selected.

 10. Crystal Reports/ Seagate Info: Drag the {Count of Directory} summary field into the **Group Header** section.
Seagate Analysis: The {Count of Directory} summary field must remain in the **Group Footer** section, as you will not be able to reposition it.

 11. Crystal Reports/ Seagate Info: Hide the **Group Footer** section. (Drill-down OK.)

 12. Preview the report.
 - Crystal Reports/ Seagate Info: Click the magnifying button.
 - Seagate Analysis: Click the **Report** tab.

 13. Save the report.

Analyzing your report

The steps outlined produce a report that can be used to detect duplicate files. When viewing the report data, anything in the report that returns a Count greater than 1 is a duplicate file. You can drill-down on the Count value by double-clicking on the Count field. You can now view the details of the duplicate files, taking note of their locations, versions and file sizes. With this information, it is easy to update a system (so that it contains only single copies of the most up-to-date versions of files on the computer), by renaming duplicates to *.old.

Contacting Crystal Decisions for Technical Support

We recommend that you refer to the product documentation and that you visit our Technical Support web site for more resources.

Self-serve Support:

<http://support.crystaldecisions.com/>

Email Support:

<http://support.crystaldecisions.com/support/answers.asp>

Telephone Support:

<http://www.crystaldecisions.com/contact/support.asp>