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| <p style="text-align: center;"><b>Crystal Reports – User Function Library</b><br/><b>Grid User Function Library</b><br/><b>User Instructions</b></p> |
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## **Grid User Function Library (CRUFLGRID.DLL)**

This User Function Library has been designed to create a disk file during the processing of a Crystal Report. This is has been developed from our Disk Output and Disk Line User Function Library (UFLDISK.DLL and UFLDISKLINE.DLL) but includes a simpler way to load a series of values into a more structured file

### **Installation**

The Grid User Function Library is a Crystal Reports User Function Library that consists of a standalone DLL (CRUFLGrid.DLL)

Make sure that Crystal Reports is not running on your machine. This includes any windows or web services running in the background.

Copy the CRUFLGrid.dll file into the Crystal Applications folder. The Crystal Applications folder is where the Crystal Reports library files are stored.

Crystal Reports 8.5 and earlier – c:\Windows\Crystal

Crystal Reports 9.0 – c:\Program Files\Common Files\Crystal Decisions\2.0\bin

Crystal Reports 10.0 – c:\Program Files\Common Files\Crystal Decisions\2.5\bin

Crystal Reports 11.0 – c:\Program Files\Common Files\Business Objects\3.0\bin

Register the UFL manually with the Run command

```
Regsvr32 C:\Windows\Crystal\CRUFLGRID.DLL
```

Restart Crystal Reports and the Grid File functions should be available to you under “Additional Functions”

### **Update Instructions:**

This User Function Library may have been supplied as a trial version. Upon confirmation of payment Chelsea Technologies will email the location of the unlocked fully working version of the DLL.

- Make sure Crystal Reports is not operating on your machine
- Replace the CRUFLGrid.DLL with the fully working copy of the same file
- Restart Crystal Reports

### **Function Reference**

This User Function Library installs four new functions in the “Additional Functions” list inside Crystal Reports. This new library was created in July 2007 to make the creation of CSV files a lot easier. With these functions, the creation of a CSV file to load into Excel was improved.

This is **not** an Export function. It is a function library to perform parallel processing while a report is being viewed. In this way it is similar to our XML, Disk and Outlook function libraries.

#### **GridCellClear ( Rows,Cols)**

This function will prepare the grid work area with the required number of columns and rows. If you are creating a row in a text file for at least every record, use the count of the records as the number of lines to clear. This formula will normally need to be in the report header section, or if a disk file is created for each group, in a group header section prior to any of the other functions being calculated.

```
WhilePrintingRecords; GridCellClear(Count({table.anyfield}), 20)
```

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### **To Load Individual Values to the grid work area**

**GridCellLoadRawValue(Row,Col, sValue)**

**GridCellLoadDelimitedValue( Row,Col, sValue, Delimiter)**

These functions load into the grid at the row and column location the value. GridCellLoadDelimitedValue will use the Delimiter to bound the field when it loads it into the Grid. GridCellLoadRawValue will not do this although it will put double quotes around sValue if that string contains an embedded comma.

### **To save the grid work area to the disk file**

**GridCellSave(FileName, Separator)**

Example GridCellSave("CustomerList.xls",",")

If no location is stated, the file will be automatically saved in your :

Program Files \ Crystal Decisions\ Crystal Reports 10 folder

This function will save into the grid work area as the filename at the row and column location the value. This function will use the separator between each value in the grid. If there are unused values at the end of the row, they will not be saved to the file. Blank values in the middle of the grid, at the start of a row, and blank rows will be saved to the file.

Remember that this file should not be open while the Crystal Report is running or it will not write the new values.

### **Cell Formatting Functions**

**GridCellPad(s, l)**

This function will take the string s and add additional spaces so it has a length of l characters.

### **Trial Version Limitations**

The Trial version displays a trial version message at the end of the file, and has a limit of 20 rows and 20 columns in the grid functions.

### **Evaluation Times**

These functions are standard database functions and therefore are evaluated "WhileReadingRecords" - you may achieve other results by controlling when the functions are evaluated. Our experience has been that you will achieve your objectives if you calculate the formula "WhilePrintingRecords"

Any questions to [crystal@chelseatech.net](mailto:crystal@chelseatech.net)