DATAMINE

CCLAS

Automated Laboratory Processes

CCLAS EL

CCLAS EL
Release Notes

2.46.0

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Legal Disclaimer

The product described in this documentation may be connected to, and/or communicate information and data via, a network interface, which should be connected to a secure network. It is your sole responsibility to ensure a secure connection to the network and to establish and maintain appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of antivirus programs, etc.) to protect the product, the network, your systems, and the interface against any kind of security breach, unauthorised access, interference, intrusion, leakage, damage, or corruption or theft of data. We are not liable for damages or losses related to any such security breach, unauthorised access, interference, intrusion, leakage, damage, or corruption or theft of data.

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CCLAS 2.46

These release notes apply to CCLAS EL for the 2.46 major version.

> Note: CCLAS EL V2 versioning follows the 2.*evenNumberVersion.patchNumber* format for major releases and 2.*oddNumberVersion.patchNumber* for minor releases.

2.46.0 (December 2023)

This release contains improvements to CCLAS EL 2.44 with respect to selecting report templates and ordering of samples in the Reports application, and the ordering of samples in the Batch application, as well as defect fixes around licencing and security, and in the Scheme, Libman, Client, QuoteWizard, Profile, Batch, MDE, Perfana, AuditJob, Report, Invoice and SampleTrack applications, and in using user-defined forms.

Note: When any global or application setting changed, the user must log out of all CCLAS EL applications to have the new setting value applied.

New Features

STORY 762 [Report] Translating application setting - TemplateDirectory - REPORT application

When generating job reports and a **Report template** is selected for a report from the **Open File** dialog, where the new Boolean **UseReportTemplatePath** REPORT setting is enabled (default is disabled where the setting is missing), then the filename displays with *%TemplateDirectory%* as the path, for example, *%TemplateDirectory%REPORT.RPT*, such that, at report time, *%TemplateDirectory%* is replaced by the value of the **TemplateDirectory** GLOBAL setting. Where the setting is disabled, then the filename displays with the full path, for example, *C:\MYSITE\Templates\Report\Report.rpt*.

Enhancements

BUG 629 [Batch] Addition of Sort asc/desc buttons on the Sample grid when batching samples

In CCLAS EL 2.42, when creating a laboratory batch job, an instrument run file or a subcontract batch job, the sorting of samples was changed to use the in-built grid control's column sorting mechanism, as provided by a more recent version of the FarPoint spread control. However, using this sorting mechanism has proven to be not intuitive to the user. Therefore, the sorting mechanism is changed, such that, **Sort asc** and **Sort desc** buttons are now available on the toolbar to allow for the sorting or samples by one or more selected columns, in ascending or descending order.

STORY 710 [Report] Allow the disabling of sorting samples by REPSESEQUENCE

When generating job reports and samples are displayed on the **Samples** tab for a report, where the new Boolean **SortSampleGrid** REPORT setting is disabled (default is enabled where the setting is missing), then, by default, samples in the grid are sorted by **CUID**. Where the setting is enabled, then, by default, samples are sorted by **REPSEQUENCE**, however, it is quite common to only report a subset of samples, which means, frequently the **REPSEQUENCE** is not defined for some samples, and whilst this does not have any impact on the report views since the views are unaware of the **REPSEQUENCE** field, the display on the **Samples** tab can be negatively impacted.

STORY 663 [Report] Addition of Sort asc/desc buttons on the Sample grid for a report

In CCLAS EL 2.42, when generating job reports and schemes are displayed on the **Scheme** tab or samples are displayed on the **Samples** tab for a report, the sorting of samples was changed to use the in-built grid control's column sorting mechanism, as provided by a more recent version of the FarPoint spread control. However, using this sorting mechanism has proven to be not intuitive to the user. Therefore, the sorting mechanism is changed, such that, **Sort asc** and **Sort desc** buttons are now available on the toolbar to allow for the sorting of schemes or samples by one or more selected columns, in ascending or descending order.

Defect Fixes

CCLAS version referenced in bug headings indicate the CCLAS release in which the defect was found.

BUG 795 [2.44 Licencing] Removal of License Expiry date warning where expiry date is outside the range of LicenceExpiryDays (global setting)

With the introduction of using clusters in SQL Server, a defect was introduced, such that, if a user logged into CCLAS EL, where the licence expiry date was non-zero, and regardless of whether the current date was earlier or later than the licence expiry date, as defined by the **LicenceExpiryDays** GLOBAL setting, then the **License Expiry date** warning dialog was displayed (once a day). This defect is fixed so that, now, no licence expiry warning is given where the current date is earlier than the licence expiry date.

BUG 792 [2.44 Security] clsSecurity.ConvertGlobalVariable function removes string contained between two % symbols

When the **clsProfRep.Security.ConvertGlobalVariable** method is used to return the value of the user global setting, for example:

```
clsProfRep.Security.ConvertGlobalVariable
(clsProfRep.Security.UserGlobalSetting("RepUDFInternalInFinal"))
```

where a user global setting contains a pair of % (percentage) characters, for example:

```
"Expected amount is typically between 15% and 20% of the feed."
```

then the method no longer removes the % characters and the content between them. Previously the % characters and the content between were removed:

```
"Expected amount is typically between 15 of the feed."
```

are no longer moved, such that, the value remains unchanged.

> Note: The **clsProfRep.Security.UserGlobalSetting** method did not have this defect.

BUG 648 [2.44 Scheme] Key already exists error when adding analytes that contain comma (,) characters in the code

Where a scheme has two or more analytes that have a comma character in the **Analyte Code** and the same text before the comma, for example, *X,Y_1* and *X,Y_2*, when maintaining procedures and the scheme is added along with those analytes using combined scheme analyte selection, such that, the **SQLWhere** clause in the **ProcRegAnalyteAddNew.SCR** script returns analytes for the scheme, then the analyte codes are no longer truncated, meaning that adding the procedure to a job and a subsequent **Update Scheme** or **Update Analyte** flow does not return a duplicate field reference error.

BUG 674 [2.44 Libman] Failure to write to AUDITHEADER table in remote database

When a procedure is downloaded from a remote database, for example, when using a master test library to build a test environment, then the Libman application attempts to insert an audit message into the static data audit trail in the remote database (which returned an error), but instead inserts the audit message into the static data audit trail on the local database.

BUG 637 [2.44 Client] Client Contact Carbon Copy spinner controls are disabled

When maintaining clients to add a new carbon copy client contact for a client contact, then the **CC report copies** and **CC datafile copies** spin controls are enabled immediately, instead of having to close and open the carbon copy client contact again.

BUG 761 [2.44 Client] Problem adding existing procedures to quote

When maintaining clients to configure quotes using the Quote Wizard, where the **Add procedure** flow is selected and one or more procedures are selected for adding to the quote, then all schemes associated with the selected procedures are now added to the quote. Previously, either no schemes were added, or only the first scheme was added

BUG 652 [2.44 QuoteWizard] Quote Wizard problem when navigating scheme nodes

When maintaining clients to configure quotes, the Quote Wizard now works with latest supplied version of the **QuoteAddNewAnalyte.scr** and **QuoteProcedureAddNew.scr** user query forms. Previously, when the user navigated the tree view of the quote's schemes, sometimes analyte prices would reset to zero, filters on schemes and analytes applied on the user query form would not work correctly, or the Quote Wizard would crash. This was due to the pvexplorer's node selection change event triggering subroutines that did not exist in the script.

The latest **QuoteAddNewAnalyte.scr** and **QuoteProcedureAddNew.scr** scripts are available from Datamine upon request.

BUG 655 [2.44 QuoteWizard] Quote Wizard not displaying text fields correctly

Where an earlier version of a scheme is included in a quote, when maintaining clients to configure quotes, when the user navigates the tree view of the quote's schemes. then the Quote Wizard now correctly displays details of analytes in the **Name**, **Short** and **Description** columns.

BUG 646 [2.44 Profile] Key already exists error when adding analytes that contain comma (,) characters in the code

Where a scheme has two or more analytes that have a comma character in the **Analyte Code** and the same text before the comma, for example, *X,Y_1* and *X,Y_2*, when maintaining jobs and the scheme is added along with those analytes using combined

scheme analyte selection, such that, the **SQLWhere** clause in the **ProfJobAnalyteAddNew.SCR** script returns analytes for the scheme, then the analyte codes are no longer truncated, meaning that a subsequent **Update Scheme** or **Update Analyte** flow does not return a duplicate field reference error.

BUG 660 [2.44 Profile] Issues with SaveAs function not resetting some job and sample fields

When maintaining jobs, and a job is copied to create a job, then the destination job no longer has dates associated with workflow copied from the source job but are left empty.

BUG 707 [2.44 Profile] Profile crashes on attempting to insert records into the PROFJOB_CLIENTO table

When maintaining jobs to enter other stakeholder clients for reporting a job, a new reporting client, contact and the template file can be added successfully. Previously, with Crystal Reports 11, this caused a crash.

BUG 651 [2.44 Batch] Batch using procedure not adding all schemes

When locating batching samples by scheme for creating a laboratory batch job, creating an instrument run file or creating a subcontract batch job, and a procedure is used to add schemes to the selection, then the analytes are now added to the laboratory batch job scheme in the order in which they exist in the procedure scheme, whereas, previously, the analytes were being added in alphanumerical order of their **Analyte Code**.

BUG 630 [2.44 MDE] Locked and formula cells are losing colour and becoming unvalidated

Where a job has two schemes and one of those schemes has an analyte without a formula and an analyte with a formula referencing the other scheme, all but the first sample has a **Status** of *NA* marked across its schemes, no results have been entered for the job as yet, and the **ResolveExternalFormulas** MDE setting is enabled, when the scheme with the formula is opened in workbook, a value is entered into the first sample for the analyte without a formula and the down or right arrow is clicked to go to the cell in the row below or adjacent cell, respectively, then the cursor now moves to the locked cell without any effect, whereas previously, the cursor moved to the locked cell in the next row or adjacent cell, respectively, the **Status** was changed to *NVL* and the background colour was cleared.

BUG 639 [2.44 MDE] Issues with formulas becoming unvalidated

Where a job has at least three schemes and one of those schemes is dependent on another of those schemes, when the three schemes are opened in workbook, a value is entered into a cell whose changed value does not affect other cells, and the focus

changes to another cell, then the other cells on the same row that have a formula but no value are unaffected, whereas previously, the **Status** was changed to *NVL* and the background colour was cleared.

BUG 642 [2.44 MDE] Formula fields marked NVL if any cell modified

Where a job has two schemes, and one of the schemes has an analyte that has a formula that references other analytes in the same scheme, and values are entered such that the analyte that has a formula has a **Status** of *CPL*, when the two schemes are opened in workbook, a value is entered into a cell whose changed value does not affect other cells, and the focus changes to another cell, then the analyte that has a formula and a **Status** of *CPL* is unaffected, whereas previously, the **Status** was changed to *NVL* and the background colour was cleared.

BUG 750 [2.44 MDE] Copy and paste into workbook problem

Where a text file has content with no CR-LF on the last line of text, when entering final results, raw results or weights and volumes in a workbook and the text file's entire content is copied and pasted into the data entry workbook, then the last cell is no longer locked after the paste.

BUG 796 [2.44 Perfana] Correlation chart has its title truncated when saved to an image file

When analysing QC performance and using the **AutoPerfCharts.vbs** script to product a correlation chart for duplicate and replicate QC samples, where the script is directed to save the chart to a BMP file so that it can be printed, then the chart's title in the BMP file is no longer truncated.

BUG 647 [2.44 AuditJob] Copy Paste availability

When reviewing operational data audits for a job and the cell on the top left corner of the audit grid is clicked, then the whole grid is now selected, making the data available for copying to the clipboard.

BUG 638 [2.44 Report] Records missing from generated report

When maintaining jobs and a **ProfjobUserIdents.scr** screen is available to allow for the selection of all types of samples for inclusion in job paperwork, where a job contains replicate, blank, standard or spike QC samples and one or more of those QC samples are selected, then those QC samples are now included in the Crystal report recordsets produced to generate the report. This has always been the case for unknown and duplicate QC samples but is now extended to other types of QC samples.

BUG 627 [2.44 Invoice] Invoice messages not saved when modified directly in the grid

When generating invoices, changes made to invoice line items on the **Details** tab by in-cell editing and subsequent generation of the invoice, without using a button or right-click flow to persist the changes, are now saved.

BUG 656 [2.44 Invoice] Invoicing is not working correctly with Excel and Crystal templates

CCLAS EL version 2.44 changed how the invoice document generation process worked with Microsoft Excel™, such that, after generating an XLS file, then the application required a response from the user. However, where a custom invoice process first required the generation of an XLS file followed by another type of output (for example, a PDF from a CR template), since the Excel window was not given focus, it appeared to the user that the screen was frozen when, in fact, it was waiting for a response from the user. Also, if the user did preview the output and then closed it, then the Invoice application closed unexpectedly. This is fixed to give focus to the XLS preview so the user sees that a response is required, and the application no longer crashes when a preview is completed.

BUG 657 [2.44 Invoice] Inserting tax line items for invoicing yields blank descriptions

When generating invoices and a tax item is inserted, then the details are shown on the grid, persisted, and included in the invoice document. Previously, the tax details would show on the grid, but not show in the invoice document unless the tax descriptions were first edited via a right-click action which would then persist the tax details.

BUG 641 [2.44 SampleTrack] Syntax error when calling MoveJobSamples with location code

When the **MoveJobSamples** method of the **clsBDStJob** class is called via script, and the **sLocCode** parameter is supplied to update the location code of a tracked job, then the procedure executes as expected, instead of returning a syntax error.

BUG 793 [2.44 User-defined forms] Inconsistent support for copy/paste text of MUTEXTBOX type objects on user-defined forms

The text box controls used in custom forms now support the **Ctrl + V** keyboard shortcut for pasting. Previously, some key areas such as the large text controls on some forms did not support this keyboard shortcut for pasting even though they supported the right-click and paste options.

Getting Help for CCLAS

Overview

This section describes where you can access help for your CCLAS EL installation.

Online Help

CCLAS online help is provided in HTML5 format.

Configuring the Online Help

The custom HelpUDF.vbs file, located in the Config folder, as supplied with the CCLAS installation, contains the logic to locate and display the content of the HTML5 CCLAS online help in a Web browser.

View the custom HelpUDF.vbs

```
'*
*****************************************************
**************
'* UNIT/MODULE NAME : HelpUDF.VBS
'*
'* DESCRIPTION:
'* Script containing method to allow own help to be
'* displayed from script.
'*
'* INTERFACE:
'*
'* DEPENDENCIES:
'*
'* CHANGE CONTROL HISTORY:
'*
'* DATE WHO SPR # DESCRIPTION OF CHANGE
'* 05052006 TD 0000001580 Initial version of code.
'* 03112021 TD Added code to use html5 help files
'*
****************************************************
**************
Option Explicit
Sub ScriptShowHelp(oParams)
'*
****************************************************
**************
```

```
'* UNIT NAME:
'* HelpUDF.ScriptShowHelp
'*
'* DESCRIPTION:
'* Procedure to display User defined help.
'*
'* INPUT PARAMETERS:
'* oParams: Collection of parameters passed into method.
'*
'* OUTPUT PARAMETERS:
'* None
'*
'* RETURN VALUES:
'* None
'*
'* SIDE EFFECTS:
'* None
'*
'* NOTES:
'* oParams is a dictionary object containing different
'* useful pieces of information.
'*
'* Items are accessed using a key: oParams(Key).
'* Items can be edited: oParams(Key) = Value
'*
'* The items in this collection are as follows:
'* HelpFile : Name of help file to use.
'* ProgramCode : Programcode for program that called this
method.
'* CurrentForm : Name of active form when help triggered.
'* HelpOverride: Flag to use current help method or not
after this completes.
'* ControlHelp : Flag to use help to the control level or
not.
'* HelpContext : Default help context to use if there is
not help context.
'* HWND : Default handle of form to use if no active form.
'*
'***********************************************************
**************
' These methods were used to check values of parameters
collection
LogToMsgBox(oParams)
'LogToFile(oParams)
dim sURL
```

```
sURL = HelpURL(oParams("ProgramCode"), oParams
("CurrentForm"), clsSecurity)
oParams("HelpOverride") = ShowHelp(sURL)
End Sub
Function HelpURL(byval sProgramCode, byval sFormName,
oSecurity)
dim sHelpDirectory
dim sPage
dim sUrl
sHelpDirectory = oSecurity.GlobalSetting("HelpDirectory")
sPage = sProgramCode & "-" & Replace(sFormName,"frm","") &
".htm"
If (instr(sHelpDirectory, "file://") = 0) Then
sUrl = AddChar(sHelpDirectory, "\") & "CCLAS-EL-Online-
Help-HTML5\Screens-CCLAS-2\" & sProgramCode & "\" & sPage
Else
sUrl = AddChar(sHelpDirectory, "/") & "CCLAS-EL-Online-
Help-HTML5/Screens-CCLAS-2/" & sProgramCode & "/" & sPage
End If
HelpURL = sUrl
End Function
Function AddChar(byval sPath, byval sChar)
If Right(sPath, len(sChar)) = sChar Then
AddChar = sPath
Else
AddChar = sPath & sChar
End If
End Function
Function ShowHelp(byval sUrl)
Dim wshShell
Set wshShell = CreateObject("WScript.Shell")

on error resume next
If (instr(sUrl, "file://") = 0) Then
wshShell.Run chr(34) & sUrl & chr(34) ' When using c:\....
Else
wshShell.Run sUrl ' When using file:///c:/....
End If
ShowHelp = (Err.Number = 0)
if (not ShowHelp) then
'msgbox cstr(err.number) & ": " & err.description
end if
End Function
Sub LogToMsgBox(oParams)
Dim s
Dim l
```

```
Dim aKeys
Dim aItems
aKeys=oParams.Keys
aItems=oParams.Items
For l=1 to oParams.Count
s = s & aKeys(l-1) & ": " & aItems(l-1) & vbCrLf
Next
'MsgBox s
s = "HelpFile: " & oParams("HelpFile") & vbCrLf
s = s & "ProgramCode: " & oParams("ProgramCode") & vbCrLf
s = s & "CurrentForm: " & oParams("CurrentForm") & vbCrLf
s = s & "HelpOverride: " & oParams("HelpOverride") & vbCrLf
s = s & "ControlHelp: " & oParams("ControlHelp") & vbCrLf
s = s & "HelpContext: " & oParams("HelpContext") & vbCrLf
s = s & "HWND: " & oParams("HWND")

MsgBox s
End Sub
Sub LogToFile(oParams)
Dim sOutput
Dim sDesc
sOutput = "HelpFile, " & oParams("HelpFile") & ","
sOutput = sOutput & "ProgramCode, " & oParams
("ProgramCode") & ","
sOutput = sOutput & "CurrentForm, " & oParams
("CurrentForm") & ","
sOutput = sOutput & "HelpOverride, " & oParams
("HelpOverride") & ","
sOutput = sOutput & "ControlHelp, " & oParams
("ControlHelp") & ","
sOutput = sOutput & "HelpContext, " & oParams
("HelpContext") & ","
sOutput = sOutput & "HWND, " & oParams("HWND")
' Prompt for description that can be logged to a log file.
'sDesc = InputBox ("Form-" & oParams("CurrentForm") & "
Id="& oParams("HelpContext"), "Form description", "")
'FileAppend clsSecurity.GlobalSetting("BinDirectory") &
"\Form-Identifications.CSV", "Form, " & sDesc & "," &
sOutput & vbCrLf
End Sub
'-----------------------------------------------------------
--------------------------
' Generic File Append
'-----------------------------------------------------------
--------------------------
```

```
Sub FileAppend (byval sFile, byval sString)
Dim oSupport
On Error Resume Next
Set oSupport = CreateObject("CCSUPP01.clsSupport")
If sFile <> "" Then
oSupport.AppendFile sFile, sString
End If
Set oSupport = Nothing
End Sub
'-------------------------------------------------------------
-------------------------
' Generic File Save
'-------------------------------------------------------------
-------------------------
Sub FileSave(ByVal sFile, ByVal sString)
Dim oSupport
On Error Resume Next
Set oSupport = CreateObject("CCSUPP01.clsSupport")
oSupport.SaveFile sFile, sString
Set oSupport = Nothing
HandleError
End Sub
```

Where the HelpUDF.vbs script file is not located in the Config folder, then the CHM CCLAS online help configured by the HelpDirectory and HelpFile GLOBALSETTINGS for CCLASMGR is launched. (This can also be the custom logic within the script file if the target HTML5 online help is not found.) Note that the CHM CCLAS online help files may need to be located on a local drive to run, otherwise they may be blocked by the virus scanners

To run CHM files without compromising network security, the files must be relocated to a local drive.

Accessing the Online Help

From CCLAS 3 applications, click on the application ribbon and select **Help » Contents** on the main menu to display the CCLAS EL home page.

From CCLAS 2 applications, select **Help » Contents** on the main menu to display the CCLAS EL home page.

Press the **F1** key in any CCLAS EL application to display the section related to the current application.

Online Help Content

The CCLAS online help provides content related to the following processes:

- General operations—The day-to-day operations for the laboratory, for registration, sample tracking, consumables management, batching operations, data entry and upload operations, QC review, reporting, invoicing and finance, audit review, archive and retrieve.

- Configuration—The set up of the environment and connections, applications, configuration of applications, the domain, users and menus, pricing, registration, tests, instrument automation, QC review, report and routine tasks

- Application customisation—The hook points at which CCLAS is customisable.

The CCLAS online help also contains details on what is new in each CCLAS EL release, descriptions of the CCLAS V2 and V3 screens, and various appendices.

Customer Support

Datamine's commitment to customer service provides our customers with access to a skilled and responsive support team. The global customer support team ensures all customer questions and issues are addressed in a timely manner and escalated as required to ensure resolution.

You should always contact Datamine support if you have an issue. Do not contact individual members of Datamine for support because your issue may not be responded to in a timely manner if that person is unavailable.

For further information about installing or using CCLAS, check your contract with Datamine to determine whether site-specific documentation was supplied to your site.

You should always contact Datamine support if you have an issue. Do not contact individual members of Datamine for support because your issue may not be responded to in a timely manner if that person is unavailable.

Datamine provides global support for CCLAS. If you are a licensed CCLAS user, you can request support via the Support Portal (https://www.dataminesoftware.com/support/).

Before contacting support, you should perform some basic troubleshooting of the issue. This allows you to gather information on the issue to pass on to the support team. Providing detailed information assists the support team to find the cause and resolution to your issue. The required information includes:

- Name of site
- Name of contact person for this issue and the contact details
- Name of application with the issue

- Time at which the issue occurred or was noticed
- The application involved, for example, CCSCHM, CCREGN
- A detailed description of the issue and what the expected results should have been
- A detailed description of any related incident, for example, server failure
- Actions taken to resolve the issue, if any
- The current status of the system.

Screen captures or other content pertinent to the issue, for example, reports, should be provided where possible.

We also welcome feedback about this documentation.

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docs.dataminesoftware.com

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sales@dataminesoftware.com
www.dataminesoftware.com/support

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