

Automated Laboratory Processes

# CCLAS EL



**CCLAS EL**  
**Release Notes**

3.0.4.1

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# CCLAS 3.0

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These release notes apply to CCLAS EL for the 3.0 major version.

**Note:** CCLAS EL V3 versioning follows the *3.majorVersion.minorVersion.patchNumber* format.

## 3.0.4.1 (May 2023)

This release contains a licence defect fix.

## Defect Fixes

### STORY 666 [Licencing] Incorrect error shown when not enough licences

Where all concurrent licences are used and a user logs in to use another licence, instead of returning the error 'Object variable or With block variable not set', the security wrapper no longer ignores the error from the InitialiseSecurity method in the clsSecurity class, such that, it now returns an error saying that the workstation could not be automatically licensed.

## 3.0.4.0 (April 2023)

This release contains a mixture of defect fixes and enhancements pertaining to CCLAS EL 3 licencing and password control.

## Enhancements

### **STORY 643 [CCLAS 3 Menu] Licencing support for lower/mixed case server names and database names**

When updating the CCLAS licence using the CCLAS 3 Licence application or a SQL statement, the licence check no longer forces the server name and database names to upper case, thereby allowing servers and databases with names containing lower and mixed case characters to be validated without returning a licence breach.

### **STORY 658 [Security] Force passwords to upper case**

Password entry is forced to upper case, to be consistent with password entry in CCLAS 2.4.

### **STORY 661 [CCLAS 3 Menu] Disable licence check**

The CCLAS 3 Menu application no longer performs a licence check so that the menu loads without the triggering of untraceable licence failures, however, applications launched from the menu still perform the licence check.



## Defect Fixes

### **BUG 659 [Security] Password containing numeric characters gives error**

Where a CCLAS EL user has a password containing numeric characters, when the user attempts to log into CCLAS EL, then an error is no longer returned and the user can log in successfully. This was primarily an issue when CCLAS was configured to run in Portuguese and the connection was using RDP to an AWS database.

## 3.0.3.1 (April 2022)

This release contains a mixture of defect fixes and enhancements to CCLAS EL 3.

## Enhancements

**STORY 583 [Licence] Licence application displays the available nodes in a cluster, and displays the server name instead of the alias**

Where a SQL server alias is configured for CCLAS, and the CCLAS 3 Licence application is run, then the server name is displayed in the licence instead of the alias. Along with this, the application is enhanced to show the available nodes in the cluster.

## Defect Fixes

### **BUG 608 [Online Help] Application Crash when trying to display help with non-CCLASMGR user**

Where a user has launched the CCLAS 3 Menu and logged into CCLAS using an account other than CCLASMGR, when the online help menu is accessed, then the application no longer crashes.

## 3.0.3.0 (January 2022)

This release contains a mixture of small improvements to CCLAS EL 3.

## New Features

### STORY 582 [Online Help] Include HTML5 help in release

Since the virus scanners provided with Microsoft Windows block the running of CHM files across the network, CCLAS online help is now primarily provided in HTML5 format from CCLAS 3 applications.

The base folder for the HTML5 CCLAS online help is defined by the HelpDirectory. The subfolders to use are then specified in the DI (dependency injection) configuration. To change this, modify the **htmlhelp\_subdirectory** tag in the properties section of *CastleWindsorNET.xml* file, located in the **cclas3 exe** folder, as required.

By default, the system attempts to display the HTML5 CCLAS online help in a Web browser. HTML5 files can be run across the network. In the event an error is raised when attempting this, then the CHM version is displayed instead. To run CHM files without compromising network security, the files should be relocated to a local drive.

## Enhancements

### STORY 536 [Licence] Licencing dialog changes

The `clsSecurity` class now establishes a **warningDay** range for licence expiry (30 days), such that, when logging in to a laboratory, launching any CCLAS application or accessing the **Help » About** dialog from any CCLAS application, then the **CheckLicenceExpiryDate** method is run, and if CCLAS licence expiry has entered the warning period, then a licence expiry warning dialog is displayed that the user cannot close for at least one minute, the duration of which is indicated by a progress bar.

### STORY 576 [Licence] Licence to cater for cluster name in licence key

When the CCLAS 3 Licence application is launched, then the Licence Server from the licence key is validated as follows:

- Firstly by checking whether the server matches a connected server, and if it does match, then licence details display, and if it does not match, then
- Secondly by checking whether the server matches a server cluster name, and if it does match, then licence details display, and if it does not match, then an error results, such that, users are not able to update the licence.

### STORY 538 [Licencing] Title bar warning of pending licence expiry in CCLAS V3 applications

Where `clsSecurity` establishes that CCLAS licence expiry has entered the warning period, then each CCLAS V3 application displays the warning in the title bar.

### STORY 517 [Menu] Utilise existing MenuTitle setting

When using the CCLAS 3 Menu, the form's title is defined by the **MenuTitle** CCLAS program setting.

### STORY 530 [Menu] Utilise existing Backcolour setting

When using the CCLAS 3 Menu, the form's background is defined by the **FormBackColour** CCLAS program setting.

### STORY 531 [Menu] Display more items on launchpad to avoid scrolling

When the home button is clicked on the CCLAS 3 Menu, then the **Home** panel contains recently accessed applications and favourite applications.

The first column on the **Home** panel is the **Recents** column that contains the last accessed applications during the current login session from any group, tiled vertically in

the column. The maximum number of applications in the **Recents** column is defined by the **MaxRecents** parameter in the CCLAS entity of the *user.MNU.XML* file. This may be updated, as required. For example:

```
<CCLAS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" caption="CCLAS MGR"
MaxRecents="8">
```

In previous releases, when the *user.MNU.XML* file was created from a *user.MNU* file, then **MaxRecents** was set to *10*. In this release, the default is *5* for newly converted menu files, to avoid the list taking up too much vertical space.

Subsequent columns on the **Home** panel are the favourites columns, one for each menu group that contains applications flagged as a favourite during the current login session, tiled vertically in the column.

### STORY 540 [Menu] Change Justification on launchpad buttons

All buttons on the CCLAS V3 Menu are changed so that the icon and text are left-justified instead of being centred in the launch panel.



## Defect Fixes

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

### **BUG 572 [Licencing] Error message incorrect when inuse licences exceeded**

Where the number of concurrent licence slots matches the number of in-use licences, when a user attempts to log into CCLAS using the CCLAS V3 login, then an error is displayed indicating that the workstation could not be auto licensed, such that, the user cannot log in.

### **BUG 520 [Licence] Grid changes not saved when logging out of CCLAS**

Where changes are made to the licence grid (for example, a description is changed or a new licence is added) whilst managing CCLAS licences, when the Logout option is selected from the title bar, then the user is now prompted with a warning that changes are made, with the option to continue and lose the changes or cancel the log out.

### **BUG 544 [Menu] When launched and not logged in yet, no control has focus even though cursor blinking in username field**

When CCLAS 3 is launched from the Start Menu shortcut, then the Username field on the LoginV3 form has focus so that the user can type their login code immediately. Previously, the user would have to click the Username text box before they could enter their login code.

## 3.0.2.2 (August 2021)

## Defect Fixes

### BUG 521 [Menu] Errors starting applications

The starting of applications and custom scripts (for example, Profile.exe, SpecialRegistration.VBS, SampleReception.VBS, Prep\_Completed.VBS, Perfana.exe) no longer raises errors regarding the value of an argument being of invalid type, and application started with a parameter containing the **%ConfigDirectory%** variable now opens correctly.

### BUG 522 [System] Paths not working as per CCLAS EL

CCLAS 3 now accesses paths similarly to how CCLAS EL accesses paths. In CCLAS EL, paths have a backslash (/) character automatically added to the end of the **%ConfigDirectory%** value, for example, *%ConfigDirectory%script.vbs* resolves to having a backslash character inserted before the *script.vbs* portion. This means that users no longer need to enter the path as *%ConfigDirectory%\script.vbs* for the path to resolve correctly.

## 3.0.2.1 (July 2021)

## Defect Fixes

Licenceapp—The attempt to log out a new licence record no longer throws an exception.

StaffProgramCfg—Tracking of this application can now proceed as the *labcode not set* error no longer occurs.

CCLAS3Menu—Parameters containing cclas paths are now converted.

General system—When a CCLAS 3 application starts, the application now displays in the language as set up in the 2.42 INI configuration file.

## 3.0.2 (June 2021)

# New Features

## Menu

The .NET version of the CCLAS EL menu is upgraded to use the .NET5 framework. (#494)

## Licence

The Licence application now incorporates a .NET service model. (#473) This includes methods to:

- Read licence details from the database (#476)
- Read the GlobalLicenceKey record (#477)
- Add, update and delete licence records (#478, #479, #480)
- Login/activate and logout/deactivate a licence (#481, #482)
- Read, update and add a StaffProgramEdit setting (#485, #486, #487)
- Add a StaffProgramCfg setting (#48)
- Export the current licence details to a CSV file (#489)
- Update (renew) a licence. (#491)

The DbConnection object is removed from the DI framework. (#496)

The Licence application now incorporates a .NET user interface (#474). This includes:

- A .NET form for the Licence application (#490)
- The display of the Number of licences in use (#502)
- The highlighting of invalid licence details (#503)
- A context menu for licence actions (#504)
- The bypassing of the server check when a licence breach is highlighted (#505)

## Online Help

The online help accessed from the CCLAS application is enhanced to have a new look and feel, more content, and is presented in a process centric way.

## 3.0.1 (February 2021)



# New Features

## User Interface

When more than then application are launched, displaying applications in the Recents list no longer produces an index out of range error. To address this, the following files are modified in this patch release.

- cclasemenuapp.dll
- cclasemenuapp.exe

## 3.0.0 (January 2021)

# New Features

## User Interface

A MessageDLL for Russian is added to CCLAS, and a fix was applied to ensure the correct alternative language displayed on the login screen, for example, where the Ini file has the language set to 2 (English in the CCLAS EL database) and the MessageDLL set to CCMESSES.dll, and the CCLAS Language setting is set to 3 (Chinese), then the login screen now displays Chinese and not Spanish upon launching CCLAS.

## Menu Configuration

CCLAS 3.0.0 is an update to CCLAS 2.42 (and can be applied to the earlier CCLAS 2.40 as well), to essentially provide the CCLAS 3 menu application, a new version of the CCLAS Menu application. The menu serves as a starting point to launch CCLAS applications, allowing for quick access to frequently used applications.

When the CCLAS 3 menu is launched, if a CCLAS 3 menu file does not exist as yet, one is built from the existing CCLAS 2.42 (or CCLAS 2.40) menu file. This means that, initially, your CCLAS 3 menu will still link to CCLAS 2.42 (or CCLAS 2.40) .ico icon files for the applications launched from your menu.

The **CCLASInstall\_300.zip** package contains an ICON folder with CCLAS application icons that you can use in your CCLAS 3 menu, and also contains other icons that you can use for custom nodes in your CCLAS 3 menu, or in custom scripts. These icons are provided as .png graphics files - the CCLAS 3 menu can use either .ico or .png icons files. It is up to each laboratory or user to decide whether or not to update the links to each icon used in the CCLAS 3 menu.

# Getting Help for CCLAS

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## 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, Scheme or Profile
- 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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## Read the Docs

[docs.dataminesoftware.com](https://docs.dataminesoftware.com)

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