

Automated Laboratory Processes

CCLAS 6

**Release
Notes**

Version 2024-r2



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Introduction

CCLAS 6 is a laboratory information management system (LIMS) solution for mining and commercial laboratories that automates processes to deliver quality results, reliability and efficiency. This assists to optimise costs and maximise sample throughput.

CCLAS 6 has a simple and intuitive web interface that can be easily personalised by end users. User-friendly charts, icons and colour-coding put key data at the forefront, enabling lab operators and managers to readily see issues that require immediate attention. CCLAS 6 supports different industrial sectors and laboratory sizes. CCLAS 6 caters for advanced registration, analysis, reporting and invoicing functionality.

This document includes release notes for CCLAS 6, version 2024-r2.

Further Information

More information on your product can be found:

- in your installed Help file.
- in the Datamine Knowledge Base:
<https://datamine.freshdesk.com/en/support/solutions>.
- from members of the Datamine LinkedIn, Facebook and Twitter group pages and forums.
- on Datamine's website: www.dataminesoftware.com

Product Downloads

The latest versions of Datamine products, and release notes for other versions of CCLAS 6 and supporting applications, can be downloaded from the support website:

- <https://www.dataminesoftware.com/support-portal-and-downloads/>

CCLAS 6 2024-r2 Release Notes

2024-r2

This maintenance release contains enhancements regarding:

- Application defaults
- The restriction of services for maintaining standards, standard lots and standard hazards by scope
- Preferences to always load all samples for jobs and report requests
- Sample portion creation denied for finalised jobs
- The sample tests analyte grid allowing update of the lower and upper template sample code
- The exclusion of job stakeholder reports when another job is added to a report request
- Denying deletion of a report request if the system batch processor is currently generating reports for it
- Denying multiple paperwork generation batch jobs for the same job,
- Resetting of system batch jobs on batch server shutdown
- Definable timeout periods on system batch jobs
- Removing files in EFS upon deleting a file via the UI
- Controlled file upload by use of a whitelist and rules
- UI debug logger reporting a user's run session

and various bug fixes to:

- Ensure scope restrictions on standard hazards
- Not look across laboratories in a scheme search with Enabled for Lab where Not Latest Version only
- Ensure that org and lab-scope restrictions on accessing standard lots
- Increase the description for a product specification from 100 to 400 characters to cater for defaulting description from the product
- Not show duplicate records in cost code search results grid
- Source the correct scope of scheme when adding tests from samples to set job scheme reporting details and adding a SVA to registered QC samples via modify QC and append/overwrite QC to set the lower and upper template sample code
- Paste a multi-lined formula into a workbook cell
- Time out when appending many QC samples

- Delete files in EFS when deleting a client contact
- Apply a 3 hour session timeout.

Enhancements

User Interface

CCLAS-338 Apply application defaults to a Search form opened from a field lookup

Created Date: 25/05/2021 Case Number:

Where the **CCJAUD—Job Audit**, **CCRPTR—Report Request** and **CCWKBK—Workbook** applications have a lookup on a **Job Name** field to launch the **CCREGN—Job Search** application, the **CCREGN—Job Search** application has application defaults in place, and other request pairings are supplied to the lookup, when the lookup is activated and the Search application is launched, then the application defaults are applied in the same way as if the Search application was launched from the menu, and the request pairings are ignored.

Refer to Using the Screen Interface in the Online Help to maintain application defaults.

QC Configuration

CCLAS-6157 Add scope restrictions to the CCStandard and CCStandardLot SEARCH, READ and SAVEAS services

Created Date: 22/07/2023 Case Number: 188628

When Maintaining QC Standards, then a user has the following access to standards based upon their access rights and the scope of the standard:

Access Rights	Org-scope	Lab-scope
Full (the level is shown as *)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Lab and Org (level 3)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Org (level 2)	Search, Create, Save As, Read, Update, Delete	Search, Read
Lab (level 1)	Search, Read	Search, Create, Save As *, Read, Update, Delete
No access	No access	No access

*** Note:** A lab-scope standard can be saved as a lab-scope standard, however, an org-scope standard cannot be saved as a lab-scope standard.

Note: Where an entity is restricted for update, the screen is not opened read-only but is opened read-write, however, restriction is applied upon submit.

When Maintaining Standard Lots for a QC Standard, then a user has the following access to standard lots based upon their access rights and the scope of the standard:

Access Rights	Org-scope	Lab-scope
Full (the level is shown as *)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Lab and Org (level 3)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Org (level 2)	Search, Create, Save As, Read, Update, Delete	Search
Lab (level 1)	Search	Search, Create, Save As *, Read, Update, Delete
No access	No access	No access

Refer to Maintaining Rights in the Online Help.

CCLAS-4979 Add scope restrictions to the CCStandardHazard SEARCH and READ services

Created Date: 30/11/2023 Case Number: 188628

When Maintaining QC Standard Hazards, then a user has the following access to standard hazards based upon their access rights and the scope of the standard:

Access Rights	Org-scope	Lab-scope
Full (the level is shown as *)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Lab and Org (level 3)	Search, Create, Save As, Read, Update, Delete	Search, Create, Save As, Read, Update, Delete
Org (level 2)	Search, Create, Save As, Read, Update, Delete	Search
Lab (level 1)	Search	Search, Create, Save As *, Read, Update, Delete
No access	No access	No access


Refer to Maintaining Rights in the Online Help.

Registration

CCLAS-1514 Preference to always load all samples in the CCREGN-Job Update screen

Created Date: 8/06/2021 Case Number: 96713

When Maintaining Samples in context of a job and the **Samples** tab is selected in the **CCREGN—Job Detail** screen, then the AUTO_RETRIEVE_ALL_JOB_SAMPLES application preference controls whether all samples are retrieved automatically from the server and displayed in the grid:

- If enabled, then paging is turned off and all samples are retrieved and loaded in the grid. Enabling this preference is useful to retrieve all samples in the job from the server prior to performing multiple sample editing, otherwise only the first fifty samples are retrieved by default.
- If disabled, then only the first fifty samples are retrieved by default, and more are retrieved as the grid is navigated, or  **Grid Retrieve All Records** is selected to retrieve all samples in the job from the server.

CCLAS-2895 Samples in finalised jobs no longer allow new portions to be created

Created Date: 15/02/2022 Case Number: 116654

When Maintaining Sample Portions during Registration, where the job is finalised, that is, the job's **Workflow Status** is *Completed* and its **Validated Date** is stamped, then sample portions cannot be updated, added or removed. Refer to Finalising Jobs in the Online Help.

CCLAS-5349 Sample Tests analyte grid to allow update of Lower/Upper Template Sample Code

Created Date: 6/02/2024 Case Number: 96737

When Maintaining Sample Tests on the **CCSAMP—Sample Detail** screen, a sample scheme analyte's (SSA) **Lower Template Sample Code** and **Upper Template Sample Code** can be cleared, updated, or selected from a drop-down list populated with **Sample Code** and **Sample Name** pairs where the sample is in scope, a template, approved for export, and is active. The fields also support lookup by launching the **CCSAMP—Sample Search** application to return one selected template sample code to the field.


On submit, an error is raised if any of the sample scheme analyte's **Lower Template Sample Code** and **Upper Template Sample Code** is not in scope, not a template, not approved for export, or is inactive. This validation is now also applied to updates on the **CCREGNSMPLSCHANA—Sample Scheme Analyte Detail** screen.

Reporting

CCLAS-1515 Preference to always load all samples in the CCRPTR—Report Request Update screen

Created Date: 8/06/2021 Case Number: 96710

When Maintaining Samples for a Report Request and the **Samples** tab is selected in the **CCRPTR—Report Request Detail** screen, then the AUTO_RETRIEVE_ALL_REP_REQ_SAMPLES application preference controls whether all samples are retrieved automatically from the server and displayed in the grid:

- If enabled, then paging is turned off and all samples are retrieved and loaded in the grid. Enabling this preference is useful to retrieve all report request samples from the server prior to performing multiple sample editing, otherwise only the first fifty samples are retrieved by default.
- If disabled, then only the first fifty samples are retrieved by default, and more are retrieved as the grid is navigated, or  **Grid Retrieve All Records** is selected to retrieve all report request samples from the server.

CCLAS-2283 Job stakeholder reports are no longer added to a report request another job is added to the report request

Created Date: 19/07/2021 Case Number:

When Maintaining Jobs for a Report Request to add one or more jobs to a report request, then job stakeholder reports are no longer added to the report request, such that, only samples and tests are added to the report request.

Report request reports are only automatically added to a report request when Creating Report Requests from Job Report Stakeholders. by using the **Create Report Request** grid flow option on the **CCRPTR—Search Report Request** screen.

CCLAS-6215 Prevent the deletion of a report request if the system batch processor is currently generating reports for it

Created Date: 1/08/2024 Case Number:

When Maintaining Report Requests and a request is made to delete a report request, if the system batch processor is currently generating reports for it, then the action does not proceed and an error is raised: *Report Request <CODE>/<NAME> is currently being processed by system batch. Please try again later.* Also refer to Maintaining Schedules and Batch Job Executions.

CCLAS-6216 Restrict the Processing of CCBPGEN System Batch Jobs if Another Job for the Same Report Request is Already Running on the Batch Processor

Created Date: 1/08/2024 Case Number:

CCLAS-5510 DB Deadlock investigation in the 2024-m06 release detailed an issue mainly around a CCBPGEN process which fires off a lot of child processes later on. If the report is large enough, the CCBPGEN process would most probably take longer than a minute. If the

batch.queue.control.ccbpgen.allow.max.duplicate.entry and **batch.queue.control.ccbpgen.check.timeframe.in.minutes** settings are not configured properly, it will cause a competing transaction, thus causing a deadlock issue. Refer to Configuring the System Batch Queue for protecting the system batch queue from excessive requests.

The CCBPGEN system batch job generates job paperwork or label documents when Maintaining Job Paperwork and Labels. The CCBRGEN system batch job generates a report document and triggers the distribution when Generating Reports from Report Requests. Refer to Types of System Batch Jobs in the Online Help.

One of the outcomes of the investigation was to:

- Apply a queueing mechanism like CCBRGEN where it only allows a number of processes to be executed at once depending on the checksum mechanism. There is already a mechanism to hold off the queueing process with some customisation available through MSEPRF, so the same mechanism could be applied to all MSEJEX job types.

A change to the detection and processing of system batch jobs on the system batch queue now ensures that for a CCBPGEN (Paperwork and Label Generation) job type, the batch server will not process another system batch job for the same report request until the first system batch job is completed or failed, that is, while the system batch job still has a STARTED state.

Note: This is implemented in the same manner as **CCLAS-3581 Restrict the Processing of CCBRGEN System Batch Jobs if Another Job for the Same Report Request is Already Running on the Batch Processor** in the 2022-m08-p3 release.

This change allows that, for other types of system batch jobs, except for CCBRGEN jobs, this restriction is not in place. That is, where a job of a type other than CCBPGEN or CCBRGEN is in a STARTED state on the system batch queue, then another system batch job of the same job type can be triggered and executed.

No user or system configuration needs to be updated for this new feature.

Note: If a system batch job's status is STARTED, and the batch queue is subsequently restarted, then these in-progress tasks are NOT automatically picked up by other system batch queues.

These started but never completed jobs on the system batch queue can be monitored, and if more than 1 day old, then they could be readily deleted. If these started but not completed jobs are of a CCBPGEN (Paperwork and Label Generation) job type, then these should be deleted as it would prevent the specific report request from triggering further paperwork and labels generation system batch jobs on the system batch processor.

Schedules and Batch Job Executions

CCLAS-6212 Implement the resetting of system batch jobs on batch server shutdown

Created Date: 1/08/2024 Case Number:

Upon batch server termination, the Job Queue Poller is stopped, the current started system batch job is set to failed, and the BATCH_JOB_QUEUE record is updated to set QUEUED='Y' and BATCH_SERVER=''.

A configurable delay property **batch.first.poll.delay** is added that controls when the first poll is made by the Job Queue Poller (default value is 120 seconds). This is so the polling is delayed until the batch server is fully ready instead of starting the polling right after the Job Queue Poller is instanced.

Note that, when reviewing system batch job executions in the **MSEJEX—Search Job Executions** screen, if there is a system batch job that has failed execution due to batch server termination, when the batch server is restarted and the system batch job is re-executed to completion, then the Batch Server column shows the same batch server for the two system batch jobs as the batch server that last processed the system batch job is associated with the job key rather than with the job execution ID.

Instance Id	File	Execution	Job Name	Priority	Status	User Id	Scope	Start Time	End Time	Batch Server
1,033,228										
		1,033,252	CCSRTEXEC	5 - NORI	COMPLETED	POOL_USER_01	DEFAULT_LAB - Default Laborator	18/08/2024 23:56:03	18/08/2024 23:57:35	cclas-web-5455fd468c-fddks
		1,033,251	CCSRTEXEC	5 - NORI	FAILED	POOL_USER_01	DEFAULT_LAB - Default Laborator	18/08/2024 23:52:00	18/08/2024 23:52:18	cclas-web-5455fd468c-fddks

To see which batch server was associated with the failed system batch job execution, review the exit message on the execution steps.

The screenshot displays a job detail view with the following information:

- User Id:** POOL_USER_01
- Scope:** DEFAULT_LAB (Default Laboratory)
- Queue Time:** 19/08/2024 04:41:47
- Start Time:** 19/08/2024 04:41:51
- Create Time:** 19/08/2024 04:41:51
- Exit Message:** Server outage or JVM crash on cclas-web-batch-6464d6f8cf-mktdb
- Batch Server:** cclas-web-batch-6464d6f8cf-wjbv

CCLAS-3777 Allow all types of system batch jobs to have definable timeout periods

Created Date: 6/03/2023 Case Number:

All system batch job types can now have definable timeout periods, in minutes, assigned to them. Refer to Types of System Batch Jobs and Configuring the System Batch Queue for placing timeouts on processing system batch jobs.

The CCLAS 6 2022-m08 release added this functionality to some types of system batch jobs, however, this release allows timeouts to be specified for all system batch job types.

These timeouts are not definable on the CCLAS 6 user interface, but are defined in the *standalone.xml* environment configuration file for AWS and AKS environments, as managed by the CCLAS 6 environment managers. Any change to an environment configuration file requires the server to be restarted for the changes to have effect. These timeouts can also be defined as overwrites via CCLAS-DM additional properties or yaml properties.

Example for all types of system batch jobs follow.

Test library management export and import:

- CCBLIBMANEXPORT

```
cclas.batch.libman.export.timeout (delivered in the 2022-m08 release)
```

- CCBLIBMANUPLOAD

```
cclas.batch.libman.upload.timeout (delivered in the 2022-m08 release)
```

- CBLIBMANUPLOAD for upload hooks

```
cclas.batch.libman.upload.notifier.timeout (delivered in the 2022-m08 release)
```

Scheduling registration:

- CCBSJGEN

```
cclas.batch.schedule.job.generator.timeout
```

- SCHEDULE_JOB_SAMPLE_RECOVERY for schedule job catchup

```
cclas.batch.schedule.job.sample.recovery.timeout
```

- SCHEDULE_JOB_SAMPLE_RECOVERY_BY_JOB

```
cclas.batch.schedule.job.sample.recovery.by.job.timeout
```

Paperwork generation:

- CCBPGEN

```
cclas.batch.generate.paperwork.timeout (delivered in the 2022-m08 release)
```

Emailing

- CCBEMAIL

```
cclas.batch.email.timeout
```

Printing

- CCBPRINT

```
cclas.batch.print.timeout
```

Parsing of instrument result uploads:

- CCBINP

```
cclas.instrument.parse.step.timeout (delivered in the 2022-m08 release)
```

Instrument schedules:

- CCBINS

```
cclas.instrument.sync.timeout
```

Triggering check analysis:

- CCBSSAC

```
cclas.batch.workbook.trigger.check.analysis.timeout
```

Certificate report functionality:

- CCBRGEN

```
cclas.batch.generate.report.timeout (delivered in the 2022-  
m08 release)
```

```
cclas.batch.generate.report.email.timeout
```

```
cclas.batch.generate.report.print.timeout
```

Invoice functionality:

- CCBINVGEN

```
cclas.batch.invoice.gen.timeout
```

```
cclas.batch.invoice.gen.email.timeout
```

```
cclas.batch.invoice.gen.print.timeout
```

- CCBINVM for merging invoices

```
cclas.batch.invoice.merge.timeout
```

- CCBINVC for combing invoices

```
cclas.batch.invoice.combine.timeout
```

- CCBINVR for repricing invoices

```
cclas.batch.invoice.reprice.timeout
```

- CCBINVCPM for changing the price mode of an invoice

```
cclas.batch.invoice.change.pricing.mode.timeout
```

- CCBINVRCL for recalculating the WIP and estimate amounts for an invoice

```
cclas.batch.invoice.recalculate.wip.est.timeout
```

Script execution:

- CCSCRTEEXEC

```
cclas.batchscript.executor.timeout
```

General cleanup:

- BATCHJOBCLEAN

```
cclas.batch.job.clean.timeout
```

- CCSSAFILEREMOVER to remove orphaned files from EFS

```
cclas.batch.ssa.file.remover.timeout
```

- CCCLEANER


```
cclas.batch.cclas.cleaner.timeout (delivered in the 2022-m08 release)
```

Personalisation upgrades (obsoleted functionality):

- MSBCSD
- `cclas.batch.msbcbsb.timeout`

EFS

CCLAS-4572 When delete EFS file via UI in ACCB, CLNT, CLNTCNCT, CLNTPROJ, HZRD, INST, LBRT, LBRTCNT, MTHD, ORGN, PRDT, TPLR, SHND, SCRT, SCHM, STND, USER then remove the actual file from the EFS repository

Created Date: 28/08/2024 Case Number:

Where any of the following entities have documents or image files attached, when the entity is updated and the document or image is removed from the entity, then the attached files are now deleted from the EFS repository instead of being left behind as non-deleted orphaned files.

Note: If the entity was deleted with the Delete service, then the files were removed from the EFS folder.

Entities:

- Accreditation body update service
 - CCACCB—Accreditation Body Detail**
 - **Document** (CCACCREDITATIONBODY.ACCREDITATION_BODY_DOC_EXT)
 - **Logo** (CCACCREDITATIONBODY.ACCREDITATION_BODY_LOGO_EXT)
- Client update service
 - CCCLNT—Client Detail**
 - **Document** (CCCLIENT.DOCUMENT_FILE_NAME)
 - **Logo** (CCCLIENT.LOGO_FILE_NAME)
- Client Contact update service
 - CCCLNTCNCT—Client Contact Detail**
 - **Document** (CCCONTACT.CONTACT_DOC_EXT)
 - **Image** (CCCONTACT.CONTACT_IMAGE_EXT)
- Client Project update service

CCCLNTPROJ—Client Project Detail

- **Document** (CCCLIENTPROJECT.CLIENT_PROJECT_DOC_EXT)
- **Logo** (CCCLIENTPROJECT.CLIENT_PROJECT_LOGO_EXT)
- Hazard update service

CCHZRD—Hazard Detail

- **Document** (CCHAZARD.HAZARD_DOC_EXT)
- **Image** (CCHAZARD.HAZARD_IMAGE_EXT)
- Instrument update service

CCINST—Instrument Detail

- **Document** (CCINSTRUMENT.INSTRUMENT_DOC_EXT)
- **Image** (CCINSTRUMENT.INSTRUMENT_IMAGE_EXT)
- Laboratory update service

CCLBRT—Laboratory Detail

- **Document** (CCLABORATORY.LABORATORY_DOC_EXT)
- **Logo** (CCLABORATORY.LABORATORY_LOGO_EXT)
- Laboratory Contact update service

CCLBRTCNECT—Laboratory Contact Detail

- **Document** (CCCONTACT.CONTACT_DOC_EXT)
- **Image** (CCCONTACT.CONTACT_IMAGE_EXT)
- Method update service

CCMTHD—Method Detail

- **Document** (CCMETHOD.METHOD_DOC_EXT)
- Organisation update service

CCORGN—Organisation Detail

- **File** (CCORGANISATION.ORGANISATION_DOC_EXT)
- **Logo** (CCORGANISATION.ORGANISATION_LOGO_EXT)
- Product update service

CCPRDT—Product Detail

- **Document** (CCPRODUCT.PRODUCT_DOC_EXT)
- **Image** (CCPRODUCT.PRODUCT_IMAGE_EXT)
- Report Template update service

CCTPLR—Report Template Detail

- **File** (CCREPORTTEMPLATE.DOC_EXT)
- Sample Handling update service
 - CCSHND—Sample Handling Detail**
 - **Document** (CCSAMPLEHANDLING.DOCUMENT_EXT)
 - **Image** (CCSAMPLEHANDLING.IMAGE_EXT)
- Script update service
 - CCSCRT—Script Detail**
 - **File** (CCSCRIPT.SCRIPT_DOC_EXT)
- Scheme update service
 - CCSCHM—Scheme Detail**
 - **Document** (CCSCHEME.SCHEME_DOC_EXT)
- Standard update service
 - CCSTND—Standard Detail**
 - **Document** (CCSTANDARD.STANDARD_DOC_EXT)
 - **Image** (CCSTANDARD.STANDARD_IMAGE_EXT)
- User update service
 - CCUSER—User Detail**
 - **Photo** (CCUSER.USER_PHOTO_EXT)
 - **Signature** (CCUSER.USER_SIGNATURE_EXT)

CCLAS-4579 When delete EFS file via UI in CCCLIENT > Quotes then remove the actual file from the EFS repository

Created Date: 28/08/2024 Case Number:

Where a CCCLNT > Quote entity has a document file attached, when the entity is updated and the document is removed from the entity, then the attached file is now deleted from the EFS repository instead of being left behind as non-deleted orphaned file.

- Client update service
 - CCCLNT—Client Detail**
 - **Document** (CCCLIENTQUOTE.DOCUMENT_FILE_NAME)

CCLAS-4580 When delete file via UI in CCWKOP > Lower panel then remove the actual file from EFS repository

Created Date: 28/08/2024 Case Number:

Where a CCWKOP > Lower panel entity has a document file attached, when the entity is updated and the document is removed from the entity, then the attached file is now deleted from the EFS repository instead of being left behind as non-deleted orphaned file.

- Workbook update service

CCWKOPPANE—Workbook Open Panel Detail

- **Document** (CCSAMPLESchemeANALYTE.DOCUMENT_FILE_ID)
- **image** (CCSAMPLESchemeANALYTE.IMAGE_FILE_ID)

System

CCLAS-5299 Controlled file upload by use of a whitelist and rules

Created Date: 31/07/2024 Case Number:

Note: This story was delivered in the CCLAS 6 2024-m06-p2 patch release but inadvertently omitted from the 2024-m06 Release Notes for 2024-m06-p2.

The CCLAS 6 2024-m06-p2 patch release addressed the problem of uploaded files not being controlled since they are not executed at the operating system level and are not interpreted by the web server, thereby leaving the system vulnerable to attack or malware upload.

File upload is now controlled by use of a whitelist and rules, as follows:

- a. Files with double extensions are rejected (where the extension is identified by the '.' in the file name).

Exemption:

- jar files with version numbers since, for jar files, it is common that the version number is part of the file name, for example, *jcommon-1.0.23.jar*.

Example:

- *a.b.c* which has extension b and c.

- b. Files larger than 1GB are rejected.

Exemptions:

- zip files. Note that the contents inside the zip file cannot be checked, for example, if the zip file contains an executable file.

- c. Allowable file types based on a whitelist, validated server-side (with media type detected by Apache Tika).

The whitelist is configured using the **upload.allowed.file.type** start up property which can be set in any entry of the following files that can contain start up properties, applied in this order, with the last one taking effect:

- The file defined by the **application.properties** property that is burned with the application and currently set with a default list. For example, refer to the last property setting in this application properties file:

```
logging.level.root=info
#spring.aop.proxy-target-class=false
ellipse.jaas.disabled=true
component.cxf=true
#logging.org.springframework.boot.autoconfigure.condition=trace
#logging.org.springframework.boot.autoconfigure.web=trace
#logging.org.apache.cxf=debug

server.compression.enabled=true
#server.compression.min-response-size=2048
server.compression.mime-
types=text/html,text/xml,text/plain,text/css,text/javascript,application/java
script,application/json,application/xml
#defaults for gzip are text/html, text/xml, text/plain, text/css

batch.enabled=false
spring.batch.job.enabled=false

server-root-context=ria
help-root-context=onlinehelp

datasource.master.driver-class-name=oracle.jdbc.OracleDriver
#datasource.master.url=
#datasource.master.jdbc-url=
#datasource.master.username=
#datasource.master.password=
datasource.master.minimum-idle=1
datasource.master.maximum-pool-size=10
datasource.master.idleTimeout=600000
datasource.master.maxLifetime=2000000
#datasource.master.connectionTimeout=600000
datasource.master.poolName=CclasDbPool

sentry.dsn=https://examplePublicKey@o0.ingest.sentry.io/0
sentry.traces-sample-rate=0.0
spring.jpa.hibernate.ddl-auto=none

server.error.include-stacktrace=never
server.port=8080
```

```
mincom.edoi.trimstrings=true
mincom.edoi.set.hints=false
mincom.edoi.batch.size=1000
mincom.edoi.fetch.size=100
mincom.edoi.entity.cache.enabled=false
mincom.edoi.query.cache.enabled=true
mincom.edoi.cache.strategy=NONE

mincom.sso.preauth.username=
mincom.sso.preauth.password=

ji.session.persistence.usecompression=true
ji.session.persistence=passthrough-http
ji.session.serializer.pool.max=100
ji.session.serializer.pool.idle=20
ji.session.documentdb.databaseid=ji_sessions
ji.session.documentdb.collectionid=sessions
ji.session.documentdb.endpoint=
ji.session.documentdb.key=
ji.session.redis.endpoint=
ji.session.redis.accessKey=
ji.session.redis.use.password=true
ji.session.redis.port=6379
ji.session.redis.connections.max=100
ji.session.redis.connections.idle=20
ji.session.dynamodb.endpoint=
ji.session.dynamodb.tableName=ji_sessions
ji.session.dynamodb.region=
aws.accessKeyId=
aws.secretKey=

custom.root=/mincom/data/conf/git-repos/customer-software
ellipse.rdl.working.dir=/tmp/rdl

net.sf.ehcache.skipUpdateCheck=true
ellipse.instance=/var/opt/mincom
ellipse.monitor.enabled=true
wbui.reportviewer.enabled=true
mincom.rdl.use.alt.subroutine.cache=true
mincom.rdl.limit.columns=false
mincom.rdl.limit.mainfile.columns=false
mincom.rdl.use.java.serialization=false
mincom.rdl.use.json.serialization=false
mincom.rdl.calculate.subtypes=true
mincom.edoi.session.cache.enabled=true
mincom.batch.edoi.session.cache.enabled=true
```

```
ji.disable.i18n.search=false

mincom.sso.preauth.username=
mincom.sso.preauth.password=

# CCLAS STOMP Configuration
cclas.stomp.allowed.origins=*

# Upload allowed file type
upload.allowed.file.type=lbl:text/plain, csv:text/csv, prn:text/plain, sif:text/
plain, sifx:text/plain, rpt:application/x-tika-
msoffice, zip:application/zip, jar:application/java-archive, groovy:text/x-
groovy, json:application/json, xml:application/xml, pdf:application/pdf, doc:appl
ication/msword, docx:application/vnd.openxmlformats-
officedocument.wordprocessingml.document, txt:text/plain, tpl:text/plain, dsc:ap
plication/xml, jrxml:application/xml
```

- The file defined by the **manifests/config/cclas-startup.properties** global property in k8s that applies to all environments.
- The file defined in a specific k8s environment, for example, **manifest/overlays/datamine-cclasenv-ccqa1/cclas-boot.properties**

Where the property is absent or set with an empty value, then all file types can be uploaded. For example:

```
upload.allowed.file.type=
```

When considering the whitelist:

- File types in the whitelist are accepted, based on file extension
- File types outside the whitelist are rejected, based on file extension
- File types in the whitelist are accepted, based on file identity
- File types outside the whitelist are rejected, based on file identity (this may include ones that have had the file extension modified)

The default list is:

```
lbl:text/plain,
csv:text/csv,
prn:text/plain,
sif:text/plain,
sifx:text/plain,
rpt:application/x-tika-msoffice,
zip:application/zip,
jar:application/java-archive,
groovy:text/x-groovy,
json:application/json,
```

```
xml:application/xml,  
pdf:application/pdf,  
doc:application/msword,  
docx:application/vnd.openxmlformats-  
officedocument.wordprocessingml.document,  
txt:text/plain,  
tpl:text/plain,  
dsc:application/xml,  
jrxml:application/xml
```

CCLAS 6153 Make UI debug logger only report user's run session

Created Date: 14/11/2023 Case Number:

Prior to this release, trace logs included activity from other users as well as the current user. Now, when Producing a Session Log to capture and download session details, the Debug Logger allows the user to view a session for a single user.

Defects

QC Configuration

CCLAS-6414 Ensure Org/Labs scope restrictions on StandardHazard can be applied (that is, populate isOrganisationScope on StandardHazardDTO)

Created Date: 21/10/2024 Case Number:

When Maintaining QC Standard Hazards, the scope of the standard hazard is now set correctly from the related standard, meaning that users with Lab Only and Org Only security restrictions on the StandardHazard services now have those restrictions applied correctly.

This is achieved by adding the IsOrgScope property to the StandardHazardDTO and populating it from the related CCStandard.IsOrganisation property.

Test Configuration

CCLAS-349 Scheme search with Enabled for Lab where Not Latest Version only is looking across laboratories

Created Date: 25/05/2021 Case Number: 83829

Where a published org-scheme is enabled for use by a laboratory that is not the current laboratory but is a laboratory in the current organisation, and another scheme version is created and published in that org-scope scheme, when a scheme search is performed in the current laboratory with the **Scope** criteria set to *Organisation Only*, and the **Enabled Option** criteria set to *Enabled for Lab where Not Latest Version only*, then the org-scheme is no longer returned to the laboratory. The current laboratory never had the scheme enabled in the first place, so should not have had the scheme returned. Refer to Maintaining Schemes in the Online Help.

CCLAS-6411 Ensure that org and lab-scope restrictions on accessing standard lots are applied

Created Date: 18/10/2021 Case Number: 83829

Where a user only has the CCSTND LAB_ONLY right to access details associated with standards, when Maintaining Standard Lots for a QC Standard, then the user can only create, update and delete lab-scope standard lots, whereas, previously, the system treated org-scope standard lots as lab-scope standard lots by not populating the ccStandardLotDTO.IsOrganisationScope property correctly from the parent ccStandardDTO.IsOrganisationScope property.

Product Configuration

CCLAS-4388 Increase CCPRODUCTSPEC.DESCRPTION from 100 to 400 characters to cater for CCPRODUCT.DESCRPTION, coming in as a form default

Created Date: 30/08/2023 Case Number: 167936

Automatic creation of a specification upon product creation, where the PRODUCT_AUTO_CREATE_SPEC application preference is active, now proceeds even where the product's Description is greater than 100 characters (a product's Description was increased from 100 to 400 characters in an earlier release) because the specification's Description (and specification localisation record also) is increased from 100 to 400 characters.

Recapping the automatic creation or linking of a specification upon product creation:

- When a product is created and a specification with the same scope and code exists, then it causes the creation of a product specification intersection, and the product's primary specification is set to that product specification intersection.
- When a product is created and a specification with the same scope and code does not exist, then it causes the creation of a specification with the same scope and code as the product and a product specification intersection, and the product's primary specification is set to that product specification intersection, and the specification's **Description** defaults to the product's **Description**, even where the description is 400 characters.

Note: When reviewing a product's specifications in the **Specification** tab of the **CCPRDT—Product Detail** screen, then the **Description** column displays the product specification intersection's **Product Specification Description**, and the **Specification Description** column displays the specification's **Description**.

Customer Configuration

CCLAS-3153 Cost Code search is showing duplicates on search grid

Created Date: 5/05/2022 Case Number: 123744

When Maintaining Cost Centres and performing a search of cost centres, where more than twenty records matched the criteria, then the pagination issue in which the same record displayed more than once no longer occurs (depending on the sorting, the doubled-up records may have been grouped together or not). This problem also affected grid reporting.

Registration

CCLAS-3644 Add Tests From Sample does not set job scheme reporting details from the correct scope of scheme

Created Date: 24/11/2022 Case Number:

Where Adding Tests to a Sample using a Template Sample in a lab-scope job causes a job scheme to be created, then the job scheme's **Report Name** and **Report Description** are now correctly inherited from the enabled-scope scheme version instead of from the org-scope scheme version.

Note: Job scheme analytes were inheriting their **Report Name** and **Report Description** correctly.

Workbook

CCLAS-6566 Workbook paste into a cell containing a multi-line formula does not paste the full formula content

Created Date: 25/05/2021 Case Number: 96724

QC Assessment and Review

CCLAS-6305 Upper and Lower Template Sample Code are not sourced from the correct scope of SVA when the SVA is added to registered QC samples via ModifyQC

Created Date: 4/09/2022 Case Number: 203893

When Maintaining Batch Samples to add blank or standard QC samples to a job where a blank or standard QC sample scheme analyte is created for an org-scope scheme version analyte, then the **Lower Template Sample Code** and **Upper Template Sample Code** is now inherited correctly from the enabled-scope scheme version analyte, instead of from the org-scope scheme version analyte.

Note: A duplicate, replicate and spike QC sample scheme analyte's Lower Template Sample Code and Upper Template Sample Code are inherited from the source sample.

CCLAS-6308 Upper and Lower Template Sample Code are not sourced from the correct scope of SVA when a SVA is added to registered QC samples via AppendQC/OverwriteQC

Created Date: 5/09/2022 Case Number: 203893

When Creating QC Samples using QC Masks by appending or overwriting QC samples for a job, appending batch QC when creating a laboratory or subcontract batch job, where a blank or standard QC sample scheme analyte is created for an org-scope scheme version analyte, then the **Lower Template Sample Code** and **Upper Template Sample Code** is now inherited correctly from the enabled-scope scheme version analyte, instead of from the org-scope scheme version analyte.

Note: A duplicate, replicate and spike QC sample scheme analyte's Lower Template Sample Code and Upper Template Sample Code are inherited from the source sample.

CCLAS 2846 AppendQC times out when too many QC samples are to be added

Created Date: 21/01/2022 Case Number:

When Maintaining Job Tests, the **Append QC** and **Overwrite QC** processes add QC samples to a job based upon the sample scheme's QC masks. For these processes, Creating QC Samples using QC Masks no longer times out where there are a large number of samples, schemes or analytes involved because the creation of required sample scheme links during the process is made more efficient.

Note: If you have so many samples, schemes and analytes and then append QC, a connection error can return if it takes too long, however, if you give time and then refresh the screen, then you will see the samples are created.

EFS

CCLAS-6342 Associated files remain in EFS folders even after the delete of a client contact

Created Date: 26/09/2024 Case Number:

Where a client contact has documents or image files attached, when Maintaining Clients to delete that client contact, then the attached files are now deleted from the EFS repository instead of being left behind as non deleted orphaned files.

System

CCLAS-6266 A session timeout of 3 hours is not being applied

Created Date: 13/08/2024 Case Number:

Spring Boot 2 brings a new configuration parameter **server.servlet.session.timeout** to manage http timeouts, replacing the now obsolete **server.session.timeout** setting. This new parameter brings an improvement to make the configuration more readable, in seconds (s), minute (m), and hour (h) format instead of assuming it is in milliseconds or seconds (or even minutes). For example, for a 3 hour timeout:

```
server.servlet.session.timeout=3h
```

If a **ria.session.timeout** preference is configured in the MSEPRF—User Preferences application, then this overrides the **server.servlet.session.timeout** Spring Boot configuration parameter setting, but note that it has a one hour wait time before the configuration is reloaded, so any change only takes place an hour later.

No code changes were made for this, however new customize templates may need to be prepared to use the **server.servlet.session.timeout** parameter instead of the now obsolete **server.session.timeout** parameter.

Note: Job and sample tables are partitioned by LABORATORY_CODE and sub-partitioned by ARCHIVE_STATUS, however, since report requests can be for multiple jobs, a report request does not have an archive status.

Getting Help for CCLAS

Related processes...

- [Logging in to a Laboratory](#)
 - [Using the Screen Interface](#)
 - [Using the Home Page](#)
 - [Producing a Session Log](#)
 - [Custom Business Processes](#)
-

Overview

This section describes where you can access help for your CCLAS 6 installation.

Online Help

The CCLAS 6 Online Help that is available from the CCLAS 6 application is divided into information for:

- Glossary—Contains a list of terms.
- Operations—Covers the processes involved in day-to-day operation of the laboratory, from registration through to reporting and invoicing.
- Configuration—Covers the processes involved in configuring the laboratory for analytical work.
- System—Covers the processes involved in setting up your CCLAS system, including screen personalisations.
- Appendices—Contain references useful for understanding various CCLAS processes.
- Screens—Contains descriptions of CCLAS screens, fields and flows.

Help About

The Help About information provides details pertinent to your CCLAS 6 installation:

- Details of the CCLAS 6 application:
 - Release—The CCLAS 6 release name
 - Version No.—The build number.
 - Build Date—The build date.

- Reference—The repository commit ID
- Database Schema Version—The version the database schema, to ensure it aligns with the **Application Schema Version**.
- Application Schema Version—The version the application schema, to ensure it aligns with the **Database Schema Version**.
- Datamine Software—Details on how to connect with Datamine Software.

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.

Datamine provides global support for CCLAS 6. If you are a licensed CCLAS 6 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, trace logs 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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