

# Variations3 Release 5.0.2

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This page lists the changes from 5.0.1 to 5.0.2 for both the Variations server and client.

### Changes

File	Change
~/client.jar	Removed since 5.0.2 server.jar should contain a working client implementation
~/COPYING	Small formatting change
~/VERSION	Changed from 5.0.1 to 5.0.2
~/bin/generateQTstats.pl	Fixed bug that caused incorrect graphs to be generated and email to be sent to dmlserv (requires installing DateTime Perl module <code>cpm -i DateTime</code> )
~/bin/checkVariations.sh, ~/bin/startVariations.sh, ~/bin/stopVariations.sh	Commented out deprecated score file handler code
~/bin/generateAccessPage.sh, ~/bin/dumpUsers.sh	Changed to use LocalhostLoginHandler instead of deprecated TestLoginHandler
~/bin/run_RMIRegistry.sh, ~/bin/v2run.sh	Removed adding common.jar and client.jar from classpath
~/conf/server/dmlserver.dtd, ~/conf/server/dmlserver.xml	Added filename suffix for inserted score pages (and maybe future usage elsewhere); added support for authentication scheme labels; Added <code>dml.digitizer.csws.url</code> system property
~/conf/server/net-sf-jpam	Added example pam file to use with JPam (this needs to be copied to <code>/etc/pam.d/variations</code> ) for usage
~/data/ServerLegalNotices.txt, ~/data/legal_notices.html	Changed from 5.0.1 to 5.0.2 and updated legal notices
~/lib/casproxy-iu.jar, ~/lib/casproxy-umd.jar	Added jars specific for these two institutions that contain only an implementation of <code>edu.indiana.dml.library.auth.CASLoginProxy</code> which is no longer included in <code>server.jar</code> , but still exists as a reference implementation that can be modified by test sites
~/lib/log4j-1.2.14.jar	Updated version of log4j
~/lib/JPam-1.0.jar	Added support for authentication through pam
~/lib/commons-httpclient-3.0.1.jar, ~/lib/commons-codec-1.3.jar, ~/lib/commons-logging-1.1.jar	Added apache common's httpclient for updated CASLoginProxy
~/lib/jafer-client.jar, ~/lib/zebulun.jar	Updated version of jafer for improved Z39.50 support
~/lib/saxon.jar	Updated version to 6.5.5
~/public_html/use/legal.html	Updated legal notices
~/public_html/use/search.html, ~/public_html/use/mac_noresults.gif, ~/public_html/use/mac_search.gif, ~/public_html/use/search-noresults.gif, ~/public_html/use/search-screen.gif, ~/public_html/search-toomanyresults.gif	Updated search page of user guide
~/public_html/use/playlist.html, ~/public_html/use/editplaylist.gif, ~/public_html/use/mac-editplaylist.gif, ~/public_html/use/mac-playlist.gif	Updated playlist page of user guide
edu.indiana.dml.client.HeadlessClient, edu.indiana.dml.util.logging.HeadlessLogUtil	Added non-gui versions of Client and LogUtil which are used in the server, but not the client for better separation of client and server classes
edu.indiana.dml.library.AccessControlManager	Fix to avoid large amounts of exceptions being thrown
edu.indiana.dml.library.ItemNotFoundException, edu.indiana.dml.ui.search.ItemNotFoundException	Moved from <code>ui.search</code> to <code>library</code> to better separate server and client classes
edu.indiana.dml.library.Library	Fixed set of system properties passed back to the client in <code>getServerSettings</code>

edu.indiana.dml.library.Library, edu.indiana.dml.library.LibraryApplication, edu.indiana.dml.library.LibraryConnection, edu.indiana.dml.library.LibraryConnectionImpl, edu.indiana.dml.media.DjVuMediaProcessor	Changes to improve score and audio ingest including adding new createAndPublish for scores and checkForDerivatives to client-server interface; Commented out deprecated score file handler code
edu.indiana.dml.library.LibraryConnectionManager	Added support for authentication through pam using JPam; Modified getServerSettings to handle authentication scheme labels correctly
edu.indiana.dml.library.auth.AuthenticationScheme	Added support for authentication scheme labels
edu.indiana.dml.library.auth.CASLoginProxy, edu.indiana.dml.library.auth.CASLoginProxy_IU, edu.indiana.dml.library.auth.CASLoginProxy_UMD	Updated CASLoginProxy to use apache common's httpclient and included implementations of this reference version for IU and UMD and added jardesc's to help build the jars holding the institution-specific implementations
edu.indiana.dml.library.auth.JPamLoginProxy, edu.indiana.dml.library.auth.PasswordAuth	Added support for authentication through pam using JPam
edu.indiana.dml.library.config.ServerConfiguration, edu.indiana.dml.util.FilenameFactory	Added filename suffix for inserted score pages (and maybe future usage elsewhere); added support for authentication scheme labels; fixed to allow empty-valued SystemProperty tags
edu.indiana.dml.media.ContainerStructureValidator	Made error message more user-friendly for digitization
edu.indiana.dml.media.DjVuContentHandler, edu.indiana.dml.media.ScorePrinter, edu.indiana.dml.ui.annotation.ScoreFigure, edu.indiana.dml.ui.media.OpusViewer, edu.indiana.dml.ui.media.ViewerUI	Improved score handling including broken/blank pages
edu.indiana.dml.media.MediaTools, edu.indiana.dml.media.ContainerStructureValidator	Added time conversion methods that were in UIUtilities in order to better separate client and server classes
edu.indiana.dml.media.Playlist, edu.indiana.dml.media.PlaylistMetadata, edu.indiana.dml.ui.common.UIUtilities, edu.indiana.dml.ui.media.playlist.EditPlaylist, edu.indiana.dml.ui.media.playlist.PlaylistTrack, edu.indiana.dml.ui.media.playlist.PlaylistUI	Added ability to send playlist tracks to other playlists
edu.indiana.dml.ui.admin.BindRecordingMeasures, edu.indiana.dml.ui.admin.z3950_search.RecordDetailsDialog, edu.indiana.dml.ui.annotation.AnnotationUtilities, edu.indiana.dml.ui.common.EditBookmarks, edu.indiana.dml.ui.common.UIUtilities, edu.indiana.dml.ui.media.playlist.PlaylistUI, dml.indiana.dml.ui.lesson.LessonUtilities, edu.indiana.dml.ui.search.EncodedScoreDialog, edu.indiana.dml.ui.search.RecordViewWindow, edu.indiana.dml.ui.timeliner.TimelineUtilities	Made all file choosers shared and sticky application-wide
edu.indiana.dml.ui.media.ViewerTemplate, edu.indiana.dml.ui.search.AdvancedPanel, edu.indiana.dml.ui.timeliner.TimelineControlPanel, edu.indiana.dml.ui.timeliner.TimelineFrame, edu.indiana.dml.ui.timeliner.TimelineProperties	UI tweaks
edu.indiana.dml.ui.admin.ContainerMediaObjectsPanel	Added drop down box to allow modification of MediaObject status
edu.indiana.dml.ui.admin.EditSubDialog	Added Cut/Copy/Paste menu to all text fields of all subclasses
edu.indiana.dml.ui.admin.RecordDeletionException, edu.indiana.dml.ui.admin.RecordDeletionManager, edu.indiana.dml.util.RecordDeletionException, edu.indiana.dml.util.RecordDeletionManager	Moved RecordDeletion classes to util to better separate client and server classes
edu.indiana.dml.ui.admin.z3950_search.ContainerRecord, edu.indiana.dml.ui.admin.z3950_search.ContainerSearchEngine, edu.indiana.dml.ui.admin.z3950_search.ContributorRecord, edu.indiana.dml.ui.admin.z3950_search.ContributorSearchEngine, edu.indiana.dml.ui.admin.z3950_search.RecordType, edu.indiana.dml.ui.admin.z3950_search.ResultRecord, edu.indiana.dml.ui.admin.z3950_search.SearchAttribute, edu.indiana.dml.ui.admin.z3950_search.WorkRecord, edu.indiana.dml.ui.admin.z3950_search.WorkSearchEngine, edu.indiana.dml.ui.admin.z3950_search.ZSearchEngine, edu.indiana.dml.util.z3950.ContainerRecord, edu.indiana.dml.util.z3950.ContainerSearchEngine, edu.indiana.dml.util.z3950.ContributorRecord, edu.indiana.dml.util.z3950.ContributorSearchEngine, edu.indiana.dml.util.z3950.ResultRecord, edu.indiana.dml.util.z3950.SearchAttribute, edu.indiana.dml.util.z3950.WorkRecord, edu.indiana.dml.util.z3950.WorkSearchEngine, edu.indiana.dml.util.z3950.ZSearchEngine	Moved non-gui z3950 classes to util to better separate client and server classes
edu.indiana.dml.ui.admin.z3950_search.SearchFrame, edu.indiana.dml.ui.admin.z3950_search.SearchResultSelector, edu.indiana.dml.util.MetadataImporter, edu.indiana.dml.util.z3950.ContainerSearchEngine, edu.indiana.dml.util.z3950.ContributorSearchEngine, edu.indiana.dml.util.z3950.ResultRecord, edu.indiana.dml.util.z3950.WorkSearchEngine, edu.indiana.dml.util.z3950.ZSearchEngine	Updated jafer version
edu.indiana.dml.util.z3950.ContainerSearchEngine	Fixed bug that ignored dml.z3950.Container.field.id.name system property and always searched on "any" use attribute for id searches
edu.indiana.dml.ui.annotation.AnnotationConnectionTool, edu.indiana.dml.ui.annotation.AnnotationCreationTool, edu.indiana.dml.ui.annotation.AnnotationPolygonTool, edu.indiana.dml.ui.annotation.AnnotationSelectionTool, edu.indiana.dml.ui.annotation.LabelCreationTool, edu.indiana.dml.ui.annotation.PencilTool, edu.indiana.dml.ui.annotation.PolylineTool, edu.indiana.dml.ui.annotation.RomanTextBoxTool, edu.indiana.dml.ui.annotation.TextBoxTool	Fixed bug where any tool other than the selection tool would throw a NullPointerException when a right mouse click happened in the score viewer
edu.indiana.dml.ui.common.SpecialCharEntry	Added circumflex O and moved the eph forward
edu.indiana.dml.ui.common.WindowManager	Small code change for clarity
edu.indiana.dml.ui.digitizer.CDItemStructureSource, edu.indiana.dml.ui.digitizer.CDItemStructureSpi, edu.indiana.dml.ui.digitizer.Digitizer, edu.indiana.dml.ui.digitizer.DigitizerRecordingStructurePanel, edu.indiana.dml.ui.digitizer.DigitizerStructureUtilities, edu.indiana.dml.ui.digitizer.ImportTracksDialog, edu.indiana.dml.ui.digitizer.ItemResultComparator	Improvements to Import Tracks dialog
edu.indiana.dml.ui.digitizer.Digitizer, edu.indiana.dml.ui.digitizer.DigitizerRecordingStructurePanel, edu.indiana.dml.ui.digitizer.DigitizerScoreStructurePanel	Changes to improve score and audio ingest including check for derivatives on the server when adding pages or cd/sides

edu.indiana.dml.ui.digitizer.DigitizerRecordingStructurePanel	Changed button names to "Add Sound File..." and "Replace Sound File..."
edu.indiana.dml.ui.media.playlist.PlaylistTemplate	Fixed menus so that they are all green
edu.indiana.dml.ui.search.ClsSearch	Changed search field order on Basic tab; Added error dialog if dml.digitizer.defaultLocation is not a valid Location term, but continues in creating Container record
edu.indiana.dml.ui.timeliner.MarkerEditor, edu.indiana.dml.ui.timeliner.TimelineBubbleEditor, edu.indiana.dml.ui.timeliner.TimepointEditor	Returned focus to label field when navigating using arrow buttons
edu.indiana.dml.ui.timeliner.TimelineUtilities	Added mp4 to supported filetypes
edu.indiana.dml.util.AppEnv	Small changes to allow for more dynamic usage of the AppDir
edu.indiana.dml.util.BooleanExpressionParser	Various changes for robustness
edu.indiana.dml.util.DjVuDocumentProxy	Many changes to handle new jni library including added robustness and support for color pages
edu.indiana.dml.util.FilenameFactory	Added methods to check for valid ingest filenames
edu.indiana.dml.util.UserProfileTools	If username is not found in User database, prints error message and continues instead of throwing NullPointerException
edu.indiana.dml.util.V2IDAudioDerivativeFilter	Modified version of V2IDWavFilter to match only audio derivative files
edu.indiana.dml.util.logging.LoggingServer	Changes to make compatible with log4j 1.2.14
edu.indiana.dml.util.scoreencoder.DjVuEncoder	Enabled Set Color menu item
Program Files/Variations/Variations-diagnostic.cmd	Removed since this tool is no longer supported
Program Files/Variations/djvuencoder.jar	Rebuild which allows color djvu encoding
Program Files/Variations/Client/readme.rtf	Added version 5.0.2 to Revision History
Program Files/Variations/Client/COPYING	Small formatting change
Program Files/Variations/Client/VERSION	Changed from 5.0.1 to 5.0.2
Program Files/Variations/Client/data/legal_notices.html	Changed from 5.0.1 to 5.0.2 and added new legal notices
Program Files/Variations/Client/lib/external_metadata/*	Added libraries to support the improved Import Tracks dialog
Program Files/Variations/Client/lib/commons-httpclient-3.0.1.jar, Program Files/Variations/Client/lib/commons-codec-1.3.jar, Program Files/Variations/Client/lib/swing-worker-1.1.jar	Added libraries to support the improved Import Tracks dialog
Program Files/Variations/Client/lib/jni/Windows/DMLDjVu.dll	Updated version of the DjVu decoding library
Program Files/Variations/Client/lib/log4j-1.2.14.jar	Updated version of log4j
Program Files/Variations/Client/lib/jafer-client.jar, Program Files/Variations/Client/lib/zebulun.jar	Updated version of jafer
Program Files/Variations/Client/lib/saxon.jar	Updated version to 6.5.5
Program Files/Variations/Client/resources/admin/itemRenderer.xsl	Added XSLT that is used in updated Import Tracks dialog
Program Files/Variations/JRE	Changed bundled JRE to 1.5.0_12 for security updates
Variations.app/Contents/Info.plist	Changed from 5.0.1 to 5.0.2
Variations.app/Contents/Resources/English.lproj/InfoPlist.strings	Changed from 5.0.1 to 5.0.2
Variations.app/Contents/Resources/Java/COPYING	Small formatting change
Variations.app/Contents/Resources/Java/VERSION	Changed from 5.0.1 to 5.0.2
Variations.app/Contents/Resources/Java/data/legal_notices.html	Changed from 5.0.1 to 5.0.2 and added new legal notices
Variations.app/Contents/Resources/Java/lib/log4j-1.2.14.jar	Updated version of log4j
Variations.app/Contents/Resources/Java/lib/saxon.jar	Updated version to 6.5.5
Variations.app/Contents/Resources/Java/lib/jni/Mac/libDMLDjVu.jnilib	Updated version of the DjVu decoding library
Terms-of-Use.html	Changed from 5.0.1 to 5.0.2 (in CVS now under resources-mac)