

# How to Update to Variations 5.0.2 Client and Server

## How to Update to Variations 5.0.2 Client and Server

This page lists explains how to upgrade from 5.0.1 to 5.0.2 for both the Variations server and client.

### Step 1. Upgrade the Variations Servers from 5.0.1 to 5.0.2

**Note:** The upgrade process will stop your cataloging and production servers. You will also have to allow time for some hand-editing of configuration files to preserve your local customizations, as indicated by the output of the update script you will run. And finally you will restart your servers.

To install the server update, execute the following commands from your Variations install directory, **/home/dmlserv**.

1. Download the **Variations\_5.0.2\_Update.tar.gz** file to /home/dmlserv
2. First, untar the server update file: `tar xvfz Variations_5.0.2_Update.tar.gz`
3. Then change directories to the update directory: `cd Variations_5.0.2_Update`
4. Run the update script and create a log of its output: `./update.sh | tee -a update.sh.log`
5. Read through the output of the update script (also available in the log file, `update.sh.log`).
6. Manually edit any files that did not patch correctly or need manual editing as noted by the update output.
  - Example versions of files that need to be manually edited can be found in **/home/dmlserv/Variations\_5.0.2\_Update/**.
7. Install the DateTime perl module (as root) needed for bug fix: `cpan -i DateTime`
  - **Note that this command may need to be run twice due to failed tests during the first attempt.**
  - See [Known Problems - 5.0.1#generateQTstats.pl cron job throws errors](#) for more information about this bug fix.

### Step 2. Upgrade Variations clients from 5.0.1 to 5.0.2

Ideally, this should be done by creating a new Variations installer based on a Variations 5.0.2 client zip or dmg. All that should need to be done is to copy (or merge) over the configuration files and installer builder scripts. See the changes listed in the table below, and on the following pages. for more information: [Configuring the Client - 5.0.7](#) and [Building the Client Installer - 5.0.7](#).

## Server Changes

File	Change
~/COPYING	Small formatting change
~/VERSION	Changed from 5.0.1 to 5.0.2
~/bin/checkVariations.sh, ~/bin/startVariations.sh, ~/bin/stopVariations.sh	Commented out references to deprecated score file handler These updates are non vital.
~/bin/generateAccessPage.sh, ~/bin/dumpUsers.sh	Fixed broken client login which caused infinite loop
~/bin/generateQTstats.pl	Fixed bug that caused incorrect graphs to be generated and email to be sent to dmlserv See <a href="#">Known Problems - 5.0.1#generateQTstats.pl cron job throws errors</a> for a fix.
~/bin/run_RMIRegistry.sh, ~/bin/v2run.sh	Removed common.jar and client.jar from classpath since all server client code is now in server.jar
~/bin/sfmapp.sh	Removed score file handler start script because this feature is deprecated
~/conf/server/dmlserver.dtd (and ~/public_html/dmlserver.dtd by symbolic link)	Added suffixFormat attribute to FilenameScheme tag and optional label attribute to AuthenticationScheme tag Examples of these can be found in dmlserver.xml
~/conf/server/dmlserver.xml	Added examples of new suffixFormat attribute in FilenameScheme tag, label attribute in AuthenticationScheme tag, and dml.digitizer.csws.url system property See <a href="#">Authentication</a> , <a href="#">Filenaming Schemes</a> , and <a href="#">System Properties</a> respectively for more details on usage.
~/conf/server/net-sf-jpam	Added example JPam pam configuration file See <a href="#">Pam Authentication through JPam</a> on how to use pam with Variations.
~/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	Moved CAS login proxy implementations to site specific jars. Remove any of these that are not needed by your institution. When using CAS authentication, only one of these jars should be present in the lib directory!
~/lib/commons-codec-1.3.jar, ~/lib/commons-httpclient-3.0.1.jar	New libraries added for updated CAS authentication code
~/lib/commons-logging-1.1.jar, ~/lib/JPam-1.1.jar	New libraries to support authentication through pam See <a href="#">Pam Authentication through JPam</a> on how to use pam with Variations.
~/lib/log4j-1.2.3.jar, ~/lib/log4j-1.2.14.jar	Updated version of log4j to 1.2.14 and removed older version (1.2.3)
~/lib/jafer-client.jar, ~/lib/zebulun.jar	Updated version of jafer

~/lib/saxon.jar	Updated version of saxon
~/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
~/client.jar	Removed this jar from the release. All client code needed by the server is now bundled in server.jar
~/server.jar	Bug fixes and other changes See <a href="#">Variations3 Release 5.0.2</a> for more information.

## Windows Client Changes

File	Change
Program Files/Variations/Variations-diagnostic.cmd	Removed since this tool is no longer supported See <a href="#">Known Problems - 5.0.1#Variations-diagnostic tool does not find streaming resource</a> for more information.
Program Files/Variations/djvuencoder.jar	Updated version which allows color djvu encoding
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/client.jar	Bug fixes and other changes See <a href="#">Variations3 Release 5.0.2</a> for more information.
Program Files/Variations/Client/readme.rtf	Added versions 5.0.2 to Revision History
Program Files/Variations/Client/data/legal_notices.html	Changed from 5.0.1 to 5.0.2 and updated legal notices
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, Program Files/Variations/Client/lib/external_metadata/*	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/jafer-client.jar, Program Files/Variations/Client/lib/zebulun.jar	Updated version of jafer
Program Files/Variations/Client/lib/log4j-1.2.14.jar	Updated version of log4j
Program Files/Variations/Client/lib/saxon.jar	Updated version of saxon
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

## Mac Client Changes

File	Change
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/client.jar	Bug fixes and other changes See <a href="#">Variations3 Release 5.0.2</a> for more information.
Variations.app/Contents/Resources/Java/data/legal_notices.html	Changed from 5.0.1 to 5.0.2 and updated 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 of saxon
Variations.app/Contents/Resources/Java/lib/jni/Mac/libDMLDjVu.jnilib	Updated version of the DjVu decoding library
Variations.app/Contents/Info.plist	Bumped version number to 5.0.2
Variations.app/Contents/Resources/English.lproj/InfoPlist.strings	Bumped version number to 5.0.2
Terms-of-Use.html	Edited for Variations 5.0.2