

# Server Scripts

## Server Scripts

The Location for each of these scripts is both where they should live, but also where the most recent copies can currently be found.

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## Statistics

Note: These scripts are dependent on the timestamp scheme currently being used (MMM dd yyyy HH:mm:ss.SSS). These scripts assume that administrators will want to break down usage into the groups In Music Library, On Campus, Off Campus, and Totals which are specified by IP addresses. These scripts only deal with **UI** and **Darwin Streaming Server** log processing and analyzing.

### generateStats.pl

Location:	/home/dmlserv/bin/
Language:	Perl
Usage:	generateStats.pl Mmm dd yyyy filename (Analyze only specified date) generateStats.pl filename (Analyze an entire file) generateStats.pl (Analyze today)
When to run:	Nightly or Hourly
Notes:	
Configuration :	configure <b>dml.statistics.path</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.uilogpath</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.ipfile.inlibrary</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.ipfile.uncampus</b> in <b>dml/conf/server/dmlscript.conf</b>

### generateQTStats.pl

Location:	/home/dmlserv/bin/
Language:	Perl
Usage:	generateQTStats.pl filename (Analyze an entire file) generateQTStats.pl (Analyzes the logfile /var/streaming/logs/StreamingServer.*.log that corresponds to the current date or /var/streaming/logs/StreamingServer.log)
When to run:	Nightly or Hourly
Notes:	
Configuration n:	configure <b>dml.statistics.path</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.dsslogpath</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.ipfile.inlibrary</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.ipfile.uncampus</b> in <b>dml/conf/server/dmlscript.conf</b>

### viewStats.cgi

Location:	/home/dmlserv/public_html/stats/
Language:	Perl
Usage:	viewStats.cgi?[current][year=yyyy][month=Mmm][day=dd][location=In+Music+Library On+Campus Off+Campus Totals] [view=yearly monthly daily]
When to run:	Whenever an administrator wants to view statistics
Notes:	For this script to work <b>dml.statistics.path</b> should be linked into an apache viewable directory that is specified with <b>dml.statistics.urlpath</b> . This script now displays <b>both</b> UI and Darwin statistics.
Configuration :	configure <b>dml.statistics.path</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.accesspage.urlpath</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.urlpath</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.abouturl</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.statistics.cssurlpath</b> in <b>dml/conf/server/dmlscript.conf</b>

## Reference Movie Generation

### generate-ref-movie.mov

Location:	/home/dmlserv/public_html/cgi-bin/
Language:	Perl
Usage:	generate-ref-movie.mov?path=leasedir/mediafile
When to run:	Whenever an user wants to access a media file
Notes:	This script is adapted from the generate-ref-movie shell script that called Java code. The script currently generates a reference movie for any derivative files of supported bitrates located in the lease directory. The script does not check that QTAAtom children added to a QTAAtom are of the allowable types.
Configuration :	configure <b>dml.leases.rtspurl</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.leases.path</b> in <b>dml/conf/server/dmlscript.conf</b>

## V2X Generation

### variationsURL.v2x

Location:	/home/dmlserv/public_html/cgi-bin/
Language:	Perl
Usage:	variationsURL.v2x?type=timeline&ref=urlthatoldsv2xfile variationsURL.v2x?type=opus&instatiation_id=LIB/Instantiation/xxx=&start_offset=xxx&work_start=xxx&work_end=xxx&work_id=LIB/Work/xxx variationsURL.v2x?type=anything&container_id=LIB/Container/xxx&start_offset=xxx
When to run:	When a link is clicked on from an access page or when directed to from another source
Notes :	Most references to Variations1 has been deleted and support dropped for simplicity. Query string parameters vary widely as can be seen in the usage above and thus are currently gathered into a hash from \$ENV{'QUERY_STRING'} as opposed to using \$cgi->param({paramname}) like in the other scripts. This may want to be changed for standardization or to be used under mod_perl. MIME types are set to application/x-variations2-* and might want to be generalized if there is a name change to Variations 3 or any other name.
Configuration :	configure <b>dml.v2x.supporturl</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.v2x.whereurl</b> in <b>dml/conf/server/dmlscript.conf</b>

## Access Pages

### access.pl

Location:	/home/dmlserv/public_html/cgi-bin/
Language:	Perl
Usage:	access.pl?id=notisStyleID
When to run:	When a link is clicked on from a catalog page or from another source
Notes:	Depends on access.xsl and score-access.xsl which have entries below as well as access.css and v2-logo.jpg. This script depends on Notis style identifiers.
Configuration :	configure <b>dml.access.recording.dir</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.access.recording.xslfile</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.access.score.dir</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.access.score.xslfile</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.access.supporturl</b> in <b>dml/conf/server/dmlscript.conf</b>

### access.xsl

Location:	/home/dmlserv/data/accessPages/
Language:	XSLT
Usage:	
When to run:	When called by access.pl for rendering an audio access page

Notes:	This script depends on the name Variations2 and will need to be changed whenever a name change occurs.
Configuration :	<pre> configure dml.xslt.access.v2xurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.cssurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.logourl in dml/conf/server/dmlscript.conf configure dml.xslt.access.subtitle in dml/conf/server/dmlscript.conf configure dml.xslt.access.catalogurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.cataloghelp in dml/conf/server/dmlscript.conf configure dml.xslt.access.whereurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.userguideurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.supporturl in dml/conf/server/dmlscript.conf configure dml.xslt.access.institutionname in dml/conf/server/dmlscript.conf Line 266: "IU Music Library" Line 268: "Indiana University Cook Music Library" </pre>

## score-access.xsl

Location:	/home/dmlserv/data/accessPages/
Language:	XSLT
Usage:	
When to run:	When called by access.pl for rendering an audio access page
Notes:	This script depends on the name Variations2 and will need to be changed whenever a name change occurs.
Configurations :	<pre> configure dml.xslt.access.cssurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.logourl in dml/conf/server/dmlscript.conf configure dml.xslt.access.subtitle in dml/conf/server/dmlscript.conf configure dml.xslt.access.catalogurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.cataloghelp in dml/conf/server/dmlscript.conf configure dml.xslt.access.whereurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.userguideurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.supporturl in dml/conf/server/dmlscript.conf configure dml.xslt.access.institutionname in dml/conf/server/dmlscript.conf configure dml.xslt.access.score.v2xurl in dml/conf/server/dmlscript.conf configure dml.xslt.access.score.htmlurl in dml/conf/server/dmlscript.conf Line 266: "IU Music Library" Line 268: "Indiana University Cook Music Library" </pre>


## generateAccessPage.sh

Location:	/home/dmlserv/bin/
Language:	sh calling Java
Usage:	generateAccessPage.sh service_name [variationsID   variationsID_file] out_directory
When to run:	Whenever a new Container is created or updated (not currently setup)
Notes:	Calls v2run on edu.indiana.dml.util.AccessPageGenerator. variationsIDs (notis-style) passed to this script must be for Containers
Configuration :	

## Database

### dumpDB.sh

Location:	/home/dmlserv/bin/
Language :	sh calling Java
Usage:	<pre> dumpDB.sh &lt;library_name&gt; &lt;filename&gt; [{-after &lt;date&gt;}   {-lastdays &lt;num&gt;}   {-contributors_and_works}   {-in_digitization}   {&lt;list_of_entity_ids&gt;}] &lt;date&gt; must be in Timestamp format, eg. 2002-08-29 The -lastdays option will only dump the last num days worth of edits. The -in_digitization option will <b>include</b> records that have a status "In Digitization" and MediaObjects that do <b>not</b> have the status "Complete". Otherwise, these records and MediaObjects are left out by default. </pre>
Examples :	dumpDB.sh RHS_CAT2 rhs_data -lastdays 10
When to run:	When data needs to be dumped from a database for backup or copying.

Notes:	Command for dumping the data from a metadata database into a file in XML. This command is used with loadDB.sh to copy new data from the cataloging schema to the production schema. This command accesses the database as a client, so the specified server must be running for this command to work.
Configuration:	

## initDB.sh

Location:	/home/dmlserv/bin/
Language:	sh calling Java
Usage:	initDB.sh [-user_only] service_name
Examples:	initDB.sh IU_TEST2 initDB.sh -user_only RHS_A
When to run:	When the tables in a database need to be created.
Notes:	Command for creating the Variations tables in a database. The specified server must be running for this command to work. The "-user_only" option only initializes the Access Manager database; by default both the Access Manager and Metadata databases are initialized.
Configuration :	configure <b>dml.server.sqlRepository.userid</b> in <b>dml/conf/server/dmlscript.conf</b> configure <b>dml.server.userProfileManager.userid</b> in <b>dml/conf/server/dmlscript.conf</b>

## varGroup.sh

Location:	/home/dmlserv/bin/
Language:	sh calling Java
Usage:	varGroup.sh delete [-f] <group_name>   dump [-f] [-g <group_name>] <file_name>   -dir <dir_name>   list   load <file_name1> [<file_name2> ...]
When to run:	As needed.
Notes:	Command line utility for the Access Manager Database that is used for authorization. For more information see <a href="#">varGroup.sh</a>
Configuration :	configure <b>dml.server.script.library</b> in <b>dml/conf/server/dmlscript.conf</b>

## Server

### serverTools.sh

Location:	/home/dmlserv/bin/
Language:	sh calling Java
Usage:	serverTools.sh <service_name> {showUsers   showStats   garbageCollect   uiLogMessage <message>   delete <idNum>}
When to run:	The following is run at 12:00am (midnight) and 12:01am daily as a cron job: serverTools.sh IU_4 uiLogMessage "Forced log file rollover."
Notes:	
Configuration :	