Command Line Operations

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The DSpace command launcher or CLI interface offers the execution of different maintenance operations. As most of these are already documented in related parts of the documentation, this page is mainly intended to provide an overview of all available CLI operations, with links to the appropriate documentation.

Executing command line operations

The CLI interface is found at `[dspace]/bin/dspace`. Execute it without arguments or with the `-h` option to see all available operations. Execute `dspace` *op* `-h` to see details about the *op* operation.

Examples:

bin/dspace -h
bin/dspace cleanup -h
bin/dspace cleanup
bin/dspace cleanup --verbose

Available operations

General use

- bitstore-migrate: Migrate all files (bitstreams) from one assetstore (bitstore) to another
- checker: Run the checksum checker
- checker-emailer: Send emails related to the checksum checker
- classpath: Calculate and display the DSpace classpath
- cleanup: Remove deleted bitstreams from the assetstore
- community-filiator: Tool to manage community and sub-community relationships
- create-administrator: Create a DSpace administrator account (see Installing DSpace)
- curate: Perform curation tasks on DSpace objects
- database: Perform various tasks / checks of the DSpace database
- doi-organiser: Transmit information about DOIs to the registration agency.
- dsprop: View the value of a DSpace property from any configuration file (see Configuration Reference)
- dsrun: Run a (DSpace) Java class directly (used mainly for test purposes)
- embargo-lifter: Pre DSpace 3.0 embargo manager tool used to check, list and lift embargoes
- export: Export items or collections
- filter-media: Perform the media filtering to extract full text from documents and to create thumbnails
- generate-sitemaps: Generate search engine and html sitemaps (see Search Engine Optimization)
- harvest: Manage the OAI-PMH harvesting of external collections (see OAI harvesting docs)
- import: Import items into DSpace (see Importing and Exporting Items via Simple Archive Format)
- index-authority: import authorities and keep SOLR authority index up to date
- index-discovery: Update Discovery (Solr) search and browse Index
- itemupdate: Item update tool for altering metadata and bitstream content in items (see Updating Items via Simple Archive Format)
- make-handle-config: Run the handle server simple setup command
- metadata-export: Export metadata for batch editing
- metadata-import: Import metadata after batch editing
- migrate-embargo: Embargo manager tool used to migrate old version of Embargo to the new one included in dspace3
- oai: OAI script manager
- packager: Execute a packager
- rdfizer: tool to convert contents to RDF
- read : execute a stream of commands from a file or pipe
- registry-loader: Load entries into a registry (see Metadata and Bitstream Format Registries)
- structure-builder: Build DSpace community and collection structure (see Importing Community and Collection Hierarchy)
- sub-daily: Send daily subscription notices
- test-email: Test the DSpace email server settings are OK
- update-handle-prefix: Update handle records and metadata when moving from one Handle prefix to another
- user: Create, List, Update, Delete EPerson (user) records
- validate-date: Test date-time format rules
- version: Show DSpace version and other troubleshooting information

Legacy statistics

Legacy statistics parse the DSpace log files and compile information based on the "[dspace]/config/dstat.cfg" configuration file. They are no longer actively maintained, but still exist in the codebase because there is information they report on that is not yet accessible in (or replaced by) SOLR Statistics. Where possible, we recommend using SOLR Statistics and/or Google Analytics for more accurate data.

- stat-general: Compile the general statistics
- stat-initial: Compile the initial statistics
- stat-monthly: Compile the monthly statistics
- stat-report-general: Create the general statistics report
- stat-report-initial: Create the initial statistics report
- stat-report-monthly: Create the monthly statistics report

SOLR Statistics

Scripts for the statistics that are stored in SOLR:

- solr-export-statistics:Export Solr statistics data to CSV (for backup or moving to another server)
- solr-import-statistics: Import Solr statistics data from CSV (for restoration, or moving to another server)
- solr-reindex-statistics: Reindex Solr statistics data (for upgrades or updates to Solr schema)
- stats-log-converter: Convert dspace.log files ready for import into solr statistics
- stats-log-importer: Import previously converted log files into solr statistics
- stats-log-importer-elasticsearch: Import solr-format converted log files into Elasticsearch Usage Statistics (*deprecated*)
- stats-util: Statistics Client for Maintenance of Solr Statistics Indexes