4.8.22 EcDsCheckXMLArchive.pl

The "EcDsCheckXMLArchive.pl" utility checks the entire contents of the XML Archive against the list of XML metadata files contained in the DsMdXMLFile / DsMdXMLPath tables within the Inventory database. Note that XML metadata files are only stored for science granules.

4.8.22.1 EcDsCheckXMLArchive.pl Command line options

The command line parameters are:

EcDsCheckXMLArchive.pl -mode <MODE>

-user <db user name>

-server <Sybase server>

-database <Inventory database name>

[-debug <debug level>]

[-log <log file name>]

The utility will prompt the operator for a value if a required parameter is not provided on the command line.

Table 4.8.22-1 shows the command line parameters for EcDsCheckXMLArchive.

Table 4.8.22-1. Command Line Parameters of the EcDsCheckXMLArchive.pl

Parameter Name	Mandatory	Description
-mode	Yes	The mode to be processed.
-user	Yes	The Sybase login for the utility to use to connect to the database.
-server	Yes	The name of the Sybase server that contains the Inventory database.
-database	Yes	The name of the Inventory database, this should include the mode suffix if applicable. For example, to check XML files in the TS1 mode, provide "EcInDb_TS1."
-debug	No	This option controls the amount of information written to the log files. The default is 1 which will cause the utility to write a couple of lines of information for each XML directory it processes. The entries will list the actual path, the number of database entries for the path, the number of files in the directory, and the number of files that were matched. Setting this option to 3 will cause the utility to log each file that is checked. Debug level 2 is currently not implemented but is a placeholder for future use.
-log	No	The log file will be written to the logs directory for the MODE and by default be named using ECS standard naming conventions. This option allows the operator to name the log file using non-standard ECS naming conventions.

4.8.22.2 EcDsCheckXMLArchive.pl Outputs

The utility will write progress information to the console as it runs. This progress information is also written to the associated log file within the log directory. The utility will create 2 report files. Both report files begin with a summary containing the report file name and mode that was processed. The report file name contains the date and time when the report was generated.

The first file, MissingXMLArchive.report.YYYY.MM.DD, reports missing XML files within the XML archive. Items in this report correspond to entries in the DsMdXMLFile table that are missing files in the XML archive. The directory where the file should be located is indicated by the pathId column; this is stored in the DsMdXMLFile table and it refers to the dbID within the DsMdXMLPath table. The body of this report file uses the following format:

Missing XML files in the XML Archive: <pathId> <the fully qualified path where the file should be>
GranuleId XML File
<dbID> <XML File Name from DsMdXMLFile>

The second report, MissingXMLEntryInDB.report.YYYY.MM.DD lists files found within an XML directory that do not contain an entry in the Inventory database. The body of this report contains the following format:

Missing XML file entries in DB: <pathId> <the fully qualified path where the file was found>
GranuleId XML File
<dbID> <XML File Name from DsMdXMLFile>

Note, the above GranuleId is determined by parsing the file name of the "orphaned" file. If the file is not an XML metadata file created by the ECS system, this value may look confusing and will not actually reflect a valid ECS granule.