

MIGRATING OPTICAL ENTRIES

The **MGROPTE** (Migrate Optical Entries) command is used to copy spool entries located on Optical Disks to a tape (or ARCFILE), or to the Online Database. A tape dataset or ARCFILE created by the MGROPTE command is in the same format as one created by the ARCOUQ or ARCOLE commands. If SpoolOrganizer Indexing is used, any Index records that point to Optical spool entries will be copied.

The MGROPTE command will first use user-specified values to build a list of directories containing SpoolOrganizer Archives. A directory is considered a SpoolOrganizer Archive if it contains a file BSOINDEX. The directory is skipped with no message if BSOINDEX is not found. Each specified directory is inspected. Directories with integrity errors can be skipped, or can cause migration to end with an escape message. After the directory list is built, each directory in the list is processed and its spool entries are written to tape, ARCFILE, or Online Database. Any integrity errors detected at this phase cause the migration to end with an escape message.

If spool entries are moved to tape or ARCFILE, Archive Catalog records can optionally be written. If the migrated spool entry has Indexing records in the SpoolOrganizer Indexing feature, new indexing records pointing to the migrated spool entry will be created.

The contents of the optical disks will not be modified. The contents of the Optical Catalog and Indexed Optical entries will not be modified. At a later date, the Optical Catalog should be purged if Optical Support will not be used. Refer to the PUROPTCAT command for more information.

Note: Directories that contain corrupt data can optionally be skipped, depending on the value of the ERROPT parameter. If skipped, a message will be placed in the Job Log and the job may finish normally. If the MIGOPTE command is executed in batch, the user should change the submitted job's logging parameter to LOG(4 00 *SECLVL) to insure a job log is generated when the job finishes. The user should inspect the joblog to verify all desired optical entries were migrated. Refer to the ERROPT parameter for more information.

The MGROPTE command has the following parameters:

Optical Volume Identifier (OPTVOL) Parameter

Specifies the Volume ID(s) of the Optical media to migrate from. Up to fifty (50) volumes can be entered. Each specified volume must be present in the Optical Library. Use the WRKOPTVOL command or GO OPTICAL menu to display optical volumes present in the Optical Library.

Optical Path (PATH) Parameter

Specifies the Path on the volume that contains the Archive. The specified path should contain the file BSOINDEX and files Sxxxxxxx.yyy, where xxx and yyy are numbers. Leading and trailing slashes are not needed. Do not specify the Volume as part of the path. Specify a path or one of the following::

***ROOT:** The root directory is used.

Include Subdirectories (SUBDIR) Parameter

Specifies if subdirectories in the specified Path are also migrated. Specify *YES or *NO.

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Note: To migrate the entire volume, specify PATH(*ROOT) and SUBDIR(*YES).

Device (DEV) Parameter

Specifies the backup device (Tape) to place the spool entries. Specify up to four devices, or one of the following:

***OLDB:** The spool entries will be migrated to the Online Database. If the spool entry already exists in the Online Database (the Sequence numbers match), it will not be migrated.

***ARCFILE:** The spool entries will be migrated to a special disk file. The file must be a physical sequential file with record length **4096**. Multiple members can exist. The file must exist.

Tape Volume Identifier (TAPVOL) Parameter

Specifies the volume **ID(s)** of the tape Media to use for the migration. Specify up to five volumes.

***MOUNTED:** The mounted volume will be used.

File Label on Tape (FILELABEL) Parameter

Specifies the tape file label to assign to the migrated spool entries.

***GENERATE:** Specifies that SpoolOrganizer is to assign a file name to the file. The generated name will begin with "BSO" and end with a 5-digit number (BSO00001, etc.).

Tape Sequence Number (SEQNBR) Parameter

Specifies the tape sequence number where the file will reside. This parameter is ignored for **ARCFILES**.

***END:** The archive file will be placed at the end of the tape.

End of Tape Option (ENDOPT) Parameter

Specifies the action the tape will perform after the migration is complete.

***REWIND:** The tape will rewind after the migration completes.

***LEAVE:** The tape will remain positioned after the migration completes.

***UNLOAD:** The tape will rewind and unload after the migration completes.

Update Archive Catalog (UPDARCCAT) Parameter

Specifies if a record of each migrated spool entry is placed into the Archive Catalog.

***OPT:** If a record of the migrated spool entry exists in the Optical Catalog, a record is placed into the Archive Catalog.

***YES:** A record of each migrated spool entry is placed into the Archive Catalog.

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***NO:** No records are placed into the Archive Catalog.

ARCFILE Name (ARCFILE) Parameter

Specifies the name of the **ARCFILE** to place the migrated spool entries into. The **ARCFILE** must exist. Specify a name and a library.

ARCFILE File Member (ARCMBR) Parameter

Specifies the member within the **ARCFILE** to place the migrated spool entries. If the member does not exist it will be created.

***FILE:** The member name will be the same as the file name.

***FIRST:** The first member defined will be used.

Existing Member Option for ARCFILE (MBROPT) Parameter

Specifies the action SpoolOrganizer will take if the member already exists.

***ERROR:** An error message is placed into the joblog and an escape message sent to the calling program. In normal situations you should specify **MBROPT(*ERROR)** on the **ARCOLE** command and specify **MBROPT(*REMOVE)** on the **ARCARCFDTA** command. This will insure that entries not written to tape are not lost.

***REPLACE:** The existing entries will be replaced with the new entries.

File Expiration Date (EXPDATE) Parameter

Specifies, for tape devices, the file expiration date placed on the tape dataset. This value will be checked by **OS/400** on future write operations to the tape. If a write operation is specified (**SAVLIB** command, etc.) which would overwrite a file which is not expired, **OS/400** will send a warning message to the **QSYSOPR** msgq. Enter a date or specify one of the following:

DATE: The file can be overwritten after the expiration date has passed.

***PERM:** The file is permanent. A future operation that writes over this label will receive a warning.

***NONE:** The file can be overwritten after it is closed.

Error Option (ERROPT) Parameter

Specifies the action to take if invalid data is encountered in the directory selection phase of processing. Please note that any errors found after the directory selection phase will cause the command to terminate abnormally. Any non-optical errors (tape errors, etc.) will cause the command to terminate abnormally. Enter one of the following:

***SKIP:** The Directory containing the error will be skipped. Depending on the location of the error, some spool entries contained in the skipped directory may be saved. See the note below for more

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information.

***STOP:** The migration will stop with the first optical data error during the Directory Selection phase. No spool entries will be migrated.

Note: The user should attempt to use the **DSPOPTE** command to display any corrupt directory. If the spool entry list can be displayed, the user may use option 7 to move the entries to the online database. To determine the spool joblog message. If the file causing the error is in the format Sxxxxxxx.yyy, the xxxxxx corresponds to the entry's place in the displayed list. To verify, place a 1 by the suspected entry. The **DSPOPTE** will fail at the first instance of data corruption. Once the corrupted entry is entry causing the error, look at the file specified in the identified, all others can be moved to the Online Database using option 7.

Archive date (ARCDATE) Parameter

Specifies the Archive Date to use when writing out the Archive File, and when writing Archive Catalog entries. This parameter is ignored if DEV(*OLDB) is specified.

***OPT:** The Archive Date contained in the first Optical directory processed is used for the Archive Date.

Note: If more than one directory is selected for processing, the first processed directory may be different than the first selected directory.

***CURRENT:** The current date is used for the Archive Date.

***archive-date:** Specify the date to be used as the Archive Date. The specified value must be in a valid date format. Refer to the system values QDATFMT and QDATSEP for proper formatting.

Archive time (ARCTIME) Parameter

Specifies the Archive Time placed on the tape and on the Archive Catalog entries. This parameter is ignored if DEV(*OLDB) is specified, or if ARCDATE(*CURRENT) or ARCDATE(*OPT) is specified. The specified value must be in a valid time format. Refer to the system value QTIMSEP for the proper time separator.

***archive-time:** Specify the time to be used as the Archive Time. The specified value must be in a valid time format. Refer to the system value QTIMSEP for the proper time separator.

Remove from Optical Catalog (RMVOCAT) Parameter

Specifies if migrated entries that are in the Optical Catalog will be removed from the Optical Catalog.

***NO:** The migrated entries will not be removed from the Optical Catalog.

***YES:** The migrated entries will be removed from the Optical Catalog.