DISPLAY SPOOLORGANIZER LOG

SpoolOrganizer can optionally log many of its functions to the SpoolOrganizer Log. The log can be valuable to the Administrator in many situations. The history of certain spool entries can be tracked. Spool entry accounting data can be collected. Problem determination procedures can be greatly enhanced. To define logging, select Option 6, "Define Tailoring Options" off of the Define System Menu. For more information, refer to Chapter 9. "Define Tailoring Options".

Querying the SpoolOrganizer Log

The contents of the SpoolOrganizer Log can be accessed using two methods:

1. Users can write queries against file BDSDATA/BSOLOG. This file is externally described and its fields can be displayed by issuing the following command:

   DSPFFD BDSDATA/BSOLOG

The file BSOLOG has logical view BSOLOG1 defined for it, which is keyed on date and time. Users can use either file, or create other logical files.

2. Users can use the DSPSOLOG command supplied by SpoolOrganizer to query the log. If selected the following screen appears:

```
                     Display SpoolOrganizer Log
                       Display Specifications

   Enter values to limit the search:


 Start Date/Time:  19940418  000000   End Date/Time:  99999999  999999
        Operation:  *ALL
    Sub-Operation:  *ALL
             User:  *ALL
      Sending Job:  *ALL        User:  *All  Num:  *ALL
           Bundle:  *ALL          ID:  *All  Num:  *ALL
       Spool Entry:  *ALL       User:  *All  Num:  *ALL
                                File:  *All  FNum: *ALL
   Selection Spec:  *ALL          ID:  *All  Seq:  *ALL


   F3=Exit
```

Log File Definitions

The Administrator can view the SpoolOrganizer log and determine the operation of the data placed into

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the log. The logging has specified Sub-Operation with abbreviations of these functions.

The Following screen will appear after the Display Specifications has been selected:

```
        SpoolOrganizer      Display SpoolOrganizer Log              3/23/95
   5=Display                                                        9:12:35
   X  Date        Time      Operation   Sub-Oper   User      Misc Information
      1995/03/08 09:40:37 MONITOR     STRSOMON   MAB
      1995/03/08 09:40:48 MONITOR     RCVSPLE    MAB
      1995/03/08 09:41:03 MONITOR     OLDBADD    MAB
      1995/03/08 09:41:04 MONITOR     ATRCHG     MAB        MAB
      1995/03/08 09:41:04 MONITOR     TOOQ       MAB        MAB        QGPL
      1995/03/08 09:50:23 MONITOR     ENDSOMON   MAB        NORMAL EOJ


         F3=Exit
```

Place a '5' (display) next to desired entries or press ENTER to return to the Search display.

Log Operations and Sub-Operations

Below is a list of the operations and their sub-operations that the SpoolOrganizer tasks will generate:

OPERATIONS   SUB-OPERATIONS

Monitor Tasks:

RCVSPLE   A spool entry was received from the source outq.
OLDBADDA spool entry was added into the Online Database.
TOOQ   A spool entry was moved to another outq by a Monitor or Outq Distribution List job.
DSTLST   A spool entry was submitted to be processed using an Outq Distribution List.
ATRCHG   An Attribute Change Spec was processed.
TOBDLMGR   A spool entry was sent to the Bundle Manager for processing.
TOIDXMGR   A spool entry was sent to the Index Manager for processing.
STRSOMON   A Monitor was started.
ENDSOMON   A Monitor was ended.
USRDLT   A spool entry was deleted by some other task while being processed.

ARCOLE Command:

ARCOLDB A spool entry was archived to tape
OLDBDLT   A spool entry was deleted from the Online Database.
ARCCATADD   An archived spool entry was recorded into the Archive Catalog.

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DSPARCE Command:

OLDBADDA spool entry was moved from tape to the Online Database.

PURARCCAT Command:

ARCCATDLT A spool entry's record was deleted from the Archive Catalog.

PURLOLE Command:

OLDBDLT A spool entry was deleted from the Online Database.

OPTOLE Command:

OPTOLDB A spool entry was archived to Optical Disk.
OLDBDLT A spool entry was deleted from the Online Database.
OPTCATADD An Archived spool entry was recorded into the Optical Disk.

DSPOPTE Command:

OLDBADDA spool entry was moved from tape to the Online Database.

PUROPTCAT Command:

OPTCATDLT A spool entry's record was deleted from the Optical Catalog.

Bundle Manager Task:

STRBDLMGR The Bundle Manager was started.
ENDBDLMGR The Bundle Manager was ended via an ENDBDLMGR command.
PREVABEND The previous Bundle Manager Job did not end normally.
RCVSPLE A spool entry was received from a Monitor.
RESET The input message stream was reset to the next message group.
CLOSE A Bundle was closed.
PRINT A Bundle was submitted to print.
DELETE A Bundle was deleted.
ADDBDL A Bundle was created.
ADDBDLENT A Bundle Entry was added to a Bundle.
ATRCHG An Attribute Change Spec was processed for a Bundle Entry.
DELETEENT A Bundle Entry was deleted.
WARNINGA warning message was written to the Bundle Manager's Job Log.

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Bundle Manager Print Task:

PRINT   A Bundle was printed.
ABEND   The Print task ended abnormally.

User Tasks:

CHGBDL   An active Bundle was changed.
CHGBDLENT   An active Bundle Entry or the spool entry attributes were changed.
CHGOLE   An Online Database entry was changed.
CHGSTAT   The status (OPEN, HOLD, etc.) of an active Bundle was changed.
CHGTIMES   The Cutoff, Print, or Deleted times for a Bundle were changed.
DLTBDL   A Bundle was deleted.
DLTBDLENT   A Bundle Entry was deleted.

Index Manager Task:

STRIDXMGR   The Index Manager was started.
ENDIDXMGR   The Index Manager was ended via an ENDIDXMGR command.
PREVABEND   The previous Index Manager Job did not end normally.
RCVSPLE   A spool entry was received from a Monitor.
RESET   The input message stream was reset to the next message group.
WARNING A warning message was written to the Index Manager's Job Log.

Managing the SpoolOrganizer Log

The Administrator should periodically clear or save the SpoolOrganizer log if logging is in effect. As mentioned above the SpoolOrganizer Log data is placed into file BSOLOG in library BDSDATA. To clear the log enter the following command:

  CLRPFM BDSDATA/BSOLOG

The user can also use the PURSOLOG (Purge SpoolOrganizer Log) command to remove entries from the log file.

At the command line, enter PURSOLOG and the following screen will appear:

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```
                   Purge SpoolOrganizer Log (PURSOLOG)
Type choices, press Enter.


Start Date to Delete                *FIRST         Date, *FIRST
End Date to Delete                  *LAST          Date, *LAST
Reorganize the Log File. . . . .    *DLTRCD        *DLTRCD, *YES, *NO
                                      *LIBL         Name, *LIBL


Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

The PURSOLOG command has the following parameters:

Start Date to Delete (STRDATE) Parameter
Specifies the first record to remove from the SpoolOrganizer log.

*FIRST: The first record in the log will be the start.

DATE: Specify a date, in *SYSVAL format, which is specifies the first record in the log to delete.

End Date to Delete (ENDDATE) Parameter
Specifies the last record to remove from the SpoolOrganizer log.

*LAST: The last record in the log will be the end.

DATE: Specify a date, in *SYSVAL format, which is specifies the last record in the log to delete.

Reorganize the Log File (REORG) Parameter
Specifies if SpoolOrganizer is to issue an OS/400 RGZPFM (Reorganize file) command after the log records are deleted. This will free up space occupied by deleted records.

*DLTRCD: If the purge command deletes log records, then a reorg will be performed. Otherwise, no reorg will be performed.

*YES: A reorganization of the log file will be performed.

*NO: No reorganization will be performed.