

Chapter 12

Download

12.1 Introduction to Download

12.2 The DSLIST Screen

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12.1 Introduction to Download

This chapter contains instructions for using the Download option on the *ISPF/PDF Primary Option Menu* screen. This option allows you to download text files from the NSLDS mainframe to a PC. The Download option also lets you list, browse, edit, delete, rename, or obtain information about the files available for downloading.

When you create data files using a tool such as the Query Management Facility (QMF) or Report Management and Distribution System (RMDS), and select Download as your output destination, the system allows you to download them through the *ISPF/PDF Primary Option Menu* screen (Figure 12–1).

```

----- NSLDS - ISPF/PDF PRIMARY OPTION MENU -----
OPTION ==>

  0 ISPF PARMS - Specify terminal and user parameters  USERID - Z@Z
  1 BROWSE    - Display source data or output listings  TIME    - 11:34
  6 COMMAND  - Enter TSO Command, CLIST, or REXX exec  TERMINAL - 3278
  8 SDSF     - System Display and Search Facility      PF KEYS  - 12
  D DOWNLOAD - List data sets for download to PC      DATE    - 98/09/07
  P PRF      - Platinum Report Facility                JULIAN   - 98.250
  Q QMF      - Query Management Facility
  R RMDS     - Report Management and Distribution System
  S SORT     - Sort facility
  T TUTORIAL - Display information about ISPF/PDF
  X EXIT     - Terminate ISPF using log and list defaults

Enter END command to terminate ISPF.

```

Figure 12–1, NSLDS—ISPF/PDF Primary Option Menu

Note: Option **P** (Platinum Report Facility) is no longer available to ED. Use QMF instead.

1. At the Option prompt, type **D** and press **ENTER**. Depending on which terminal emulation software you use, you may need to press **CTRL** whenever instructed to “press **ENTER**” in this section. Check your terminal emulation software documentation or online help to be sure.
2. The *Data Set List Utility* screen displays (Figure 12–2).

```

----- DATA SET LIST UTILITY -----
OPTION ==>

blank - Display data set list *          P - Print data set list

DSNAME LEVEL ==> NSLPC.XXX

* The following line commands will be available when the list is displayed:

B - Browse data set
E - Edit data set
D - Delete data set
R - Rename data set
I - Data set information
S - Information (short)

. . . . .
    
```

Figure 12–2, Data Set List Utility Screen

The top half of this screen contains instructions for displaying or printing the data sets associated with your user ID (represented by ‘XXX’ in the “DSNAME LEVEL” field in Figure 12–2 and throughout this chapter). The bottom half of the screen contains a list of commands you can use *after* you display the data set list.

Two options are available on this screen:

1. Leave the screen blank and press **ENTER** to download, list, browse, edit, delete, rename, or obtain information about the data files associated with your user ID.
2. Type **P** at the Option prompt to print the list of files.

The following sections explain how to use these two options.

12.2 The DSLIST Screen

If you press **ENTER** at the Data Set List Utility screen, the system displays the *DSLIST* screen (Figure 12–3).

DSLIST - DATA SETS MATCHING NSLPC.XXX -----			ROW 1 OF 36
COMMAND ==>			SCROLL ==> PAGE
COMMAND	ENTER "/" TO SELECT ACTION	MESSAGE	VOLUME
	NSLPC.XXX.DISCARD.D97315.T135111		N9W001
	NSLPC.XXX.EXTP070.D97127.T130021		N9P032
	NSLPC.XXX.EXTP092.D97111.T113037		MIGRAT
	NSLPC.XXX.EXTP092.D97114.T143247		MIGRAT
	NSLPC.XXX.EXTP110.D97114.T163740		MIGRAT
	NSLPC.XXX.EXTP153.D97111.T120048		MIGRAT
	NSLPC.XXX.EXTP153.D97114.T155208		MIGRAT
	NSLPC.XXX.EXTP153.D97132.T064020		MIGRAT
	NSLPC.XXX.NOIG.Q1		N9P010
	NSLPC.XXX.NOIG.Q2		N9P028
	NSLPC.XXX.RP.D97112.T143035		MIGRAT
	NSLPC.XXX.RP.D97254.T131125		MIGRAT
	NSLPC.XXX.RPDON.D97239.T154633		MIGRAT
	NSLPC.XXX.RPN010.D97111.T113121		MIGRAT
	NSLPC.XXX.RPN011.D97111.T113205		MIGRAT
	NSLPC.XXX.RPN011.D97114.T124147		MIGRAT
	NSLPC.XXX.RPN012.D97112.T143114		MIGRAT
	NSLPC.XXX.RPN012.D97114.T125657		MIGRAT

Figure 12–3, *DSLIST* Screen (Partial View)

The *DSLIST* screen contains four columns:

- **COMMAND**—contains input fields, one for each line in the NAME list, in which you can enter single-letter commands that allow you to browse, edit, delete, rename, or view information about the associated file. Section 12.2.3 describes these commands.
- **ENTER “/” TO SELECT ACTION**—displays a list of all the data sets that you are authorized to work with.
- **MESSAGE**—usually empty.
- **VOLUME**—displays the TSO volume number of each data set. Data sets with alphanumeric volume numbers like ‘N9P010’ are available for immediate access. Data sets with ‘MIGRATED’ rather than a volume number have been moved to magnetic tape and must be restored before they can be accessed. Section 12.2.1.3 describes the procedure for restoring migrated data sets.

12.2.1 Finding a Data File

Before you can download, edit, delete, or perform any other operation on a data file, you must locate the file in the list presented by the *DSLIST* screen. If the list is short (one screen-full or

less) or if the needed file happens to appear at the top of the list, no searching is necessary. If the list contains many names, however, you may have to hunt for the one you need.

12.2.1.1 Manual Searching—The Scroll Commands

To search manually, you can use four function keys to scroll the data file list up, down, or sideways until you locate the file you want. These keys are:

- **F7**—Scroll up
- **F8**—Scroll down
- **F10**—Scroll left
- **F11**—Scroll right

These functions also work on the *Browse* and *Edit* screens.

By default, F7 and F8 scroll the list one screen-full at a time. You can change the scroll amount by tabbing to the Scroll field and replacing the default value 'PAGE' with another value. Typing a number in the Scroll field will cause F7 and F8 to scroll the list up or down by that many lines. For example, if you delete 'PAGE' and type *I* (Figure 12–4), scrolling will be one line at a time. You can scroll all the way to the top or bottom of the list by deleting 'PAGE' and typing *M*. If you wish to return to the default page-at-a-time scroll value, simply re-type *PAGE* in the Scroll field.

DSLIST - DATA SETS MATCHING NSLPC.XXX -----		ROW 1 OF 36
COMMAND ==>		SCROLL ==> 1
COMMAND	ENTER "/" TO SELECT ACTION	MESSAGE
-----		VOLUME
	NSLPC.XXX.DISCARD.D97315.T135111	N9W001
	NSLPC.XXX.EXTF070.D97127.T130021	N9P032
	NSLPC.XXX.EXTF092.D97111.T113037	MIGRAT
	NSLPC.XXX.EXTF092.D97114.T143247	MIGRAT
	NSLPC.XXX.EXTF110.D97114.T163740	MIGRAT
	NSLPC.XXX.EXTF153.D97111.T120048	MIGRAT
	NSLPC.XXX.EXTF153.D97114.T155208	MIGRAT
	NSLPC.XXX.EXTF153.D97132.T064020	MIGRAT
	NSLPC.XXX.NOIG.Q1	N9P010
	NSLPC.XXX.NOIG.Q2	N9P028
	NSLPC.XXX.RP.D97112.T143035	MIGRAT
	NSLPC.XXX.RP.D97254.T131125	MIGRAT
	NSLPC.XXX.RPDON.D97239.T154633	MIGRAT
	NSLPC.XXX.RPN010.D97111.T113121	MIGRAT
	NSLPC.XXX.RPN011.D97111.T113205	MIGRAT
	NSLPC.XXX.RPN011.D97114.T124147	MIGRAT
	NSLPC.XXX.RPN012.D97112.T143114	MIGRAT
	NSLPC.XXX.RPN012.D97114.T125657	MIGRAT

Figure 12–4, DSLIST Screen (Set to Scroll One Line at a Time)

12.2.1.2 Automatic Searching—The Find Command

The Find command is a general-purpose tool for locating text in a display screen. You can use

this command on the *DSL* screen and on the *Browse* and *Edit* screens. The following instructions apply to all three screens.

1. Press **TAB** to advance the cursor to the Command line.
2. Type **f**, followed by a space, followed by the text or part of the text you are looking for, and press **ENTER**.

For example, if you are looking for text that contains the word “DISCARD”, type **f discard** at the Command prompt, and press **ENTER**.

3. The system locates the first occurrence of the text that you entered, and automatically scrolls until that text is on the first line of the screen listing. If the text is found on the same screen the search was started from, the cursor will go to the selected data. An example of a successful search is shown in Figure 12–5. Notice the message, “CHARS ‘DISCARD’ FOUND”, in the upper right hand corner of the screen. If the matching text is not what you need, you can continue the search by pressing **F5** to repeat the ‘f’ command.

DSL		CHARS 'DISCARD' FOUND	
COMMAND ==> f discard		SCROLL ==> PAGE	
COMMAND	ENTER "/" TO SELECT ACTION	MESSAGE	VOLUME
	NSLPC.XXX.DISCARD.D97315.T135111		N9W001
	NSLPC.XXX.EXTP070.D97127.T130021		N9P032
	NSLPC.XXX.EXTP092.D97111.T113037		MIGRAT
	NSLPC.XXX.EXTP092.D97114.T143247		MIGRAT
	NSLPC.XXX.EXTP110.D97114.T163740		MIGRAT
	NSLPC.XXX.EXTP153.D97111.T120048		MIGRAT
	NSLPC.XXX.EXTP153.D97114.T155208		MIGRAT
	NSLPC.XXX.EXTP153.D97132.T064020		MIGRAT
	NSLPC.XXX.NOIG.Q1		N9P010
	NSLPC.XXX.NOIG.Q2		N9P028
	NSLPC.XXX.RP.D97112.T143035		MIGRAT
	NSLPC.XXX.RP.D97254.T131125		MIGRAT
	NSLPC.XXX.RPDON.D97239.T154633		MIGRAT
	NSLPC.XXX.RPN010.D97111.T113121		MIGRAT
	NSLPC.XXX.RPN011.D97111.T113205		MIGRAT
	NSLPC.XXX.RPN011.D97114.T124147		MIGRAT
	NSLPC.XXX.RPN012.D97112.T143114		MIGRAT
	NSLPC.XXX.RPN012.D97114.T125657		MIGRAT

Figure 12–5, *DSL* Screen (Example of a Successful Search)

4. If the automatic search finds no matching text, the *DSL* screen displays the “NO CHARS ‘XXXXX’ FOUND” message (Figure 12–6).

```

DSLST - DATA SETS MATCHING NSLPC.XXX ----- *NO CHARS 'EXTRA' FOUND*
COMMAND ==> f extra                                SCROLL ==> PAGE

COMMAND      ENTER "/" TO SELECT ACTION      MESSAGE      VOLUME
-----
NSLPC.XXX.DISCARD.D97315.T135111              N9W001
NSLPC.XXX.EXTF070.D97127.T130021              N9P032
NSLPC.XXX.EXTF092.D97111.T113037              MIGRAT
NSLPC.XXX.EXTF092.D97114.T143247              MIGRAT
NSLPC.XXX.EXTF110.D97114.T163740              MIGRAT
NSLPC.XXX.EXTF153.D97111.T120048              MIGRAT
NSLPC.XXX.EXTF153.D97114.T155208              MIGRAT
NSLPC.XXX.EXTF153.D97132.T064020              MIGRAT
NSLPC.XXX.NOIG.Q1                              N9P010
NSLPC.XXX.NOIG.Q2                              N9P028
NSLPC.XXX.RP.D97112.T143035                    MIGRAT
NSLPC.XXX.RP.D97254.T131125                    MIGRAT
NSLPC.XXX.RPDON.D97239.T154633                 MIGRAT
NSLPC.XXX.RPN010.D97111.T113121                MIGRAT
NSLPC.XXX.RPN011.D97111.T113205                MIGRAT
NSLPC.XXX.RPN011.D97114.T124147                MIGRAT
NSLPC.XXX.RPN012.D97112.T143114                MIGRAT
NSLPC.XXX.RPN012.D97114.T125657                MIGRAT
. . . . .
    
```

Figure 12–6, DSLIST Screen (Example of an Unsuccessful Search)

The basic search described above is sufficient for most purposes. If you want to restrict the search to particular table columns or areas of text, however, you must add the beginning and ending character numbers of the desired range to the Find command. To get these character numbers, you must use the ruler and be in browse, edit, delete, rename, or view mode (see Section 12.2.3). The ruler shows the number of characters on each screen row. To activate the ruler in a display screen, type **COLS ON** at the command prompt and press **ENTER**. The system displays the ruler above the data (Figure 12–7).

```

BROWSE -- NSLPC.S@B.RPS@B.D98223.T093806 ----- LINE 00000000 COL 001 080
COMMAND ==>                                SCROLL ==> PAGE
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----+-----8
***** TOP OF DATA *****

TBNAME      NAME      TBcreator  COLNO  COLTYPE  LENGTH
-----
AGG_DESC    ID        $ED        1     SMALLINT  2
AGG_DESC_DET  DESC_ID  $ED        2     SMALLINT  2
AGG_DESC_DET  ID        $ED        1     SMALLINT  2
AGG_DESC_ITEM  DESC_DET_ID  $ED        4     SMALLINT  2
AGG_DESC_ITEM  DESC_ID  $ED        3     SMALLINT  2
AGG_DESCN    DESC_ID  $ED        3     SMALLINT  2
AGG_DESCN    ID        $ED        1     SMALLINT  2
AGG_PURP    DESC_ID  $ED        3     SMALLINT  2
AGG_PURP    ID        $ED        1     SMALLINT  2
AID_OVRPMT  AID_TYPE  $ED        5     CHAR      2
AID_OVRPMT  UPDT_USER_ID  $ED        9     CHAR      8
COLL        ID_STU_SEQ_NO  $ED        11    SMALLINT  2
FDSLSP_SVR_BR_HOL  ID_STU_SEQ_NO  $ED        6     SMALLINT  2
FINANC_PROF  INCM_TAX_PAID  $ED        10    INTEGER   4
FS_SBMTL_RUN_ERR  FFEL_DUP_ID  $ED        13    CHAR      1
GA_AGG      DESC_DET_ID  $ED        6     SMALLINT  2
    
```

Figure 12–7, Browse Screen with Active Ruler

The ruler displays a number every 10 characters. Therefore, “1” on the ruler means 10 characters, “2” means 20 characters, and so on. Between numbers, the “+” symbol occurs every 5 characters. The first “+” is at 5 characters, the second at 15, the third at 25, etc. The “-” symbols stand for individual character positions.

To specify a range of columns to search, use the ruler to measure the character count at the beginning of the search range and at the end of the search range. Then append these two numbers to the basic Find command. For example, to search only the NAME field for the string “ID” in Figure 12–7, type **fID 23 40** and press **ENTER**.

If the system finds the string within the specified range, it displays the message “CHARS ‘XX’ FOUND,” in the upper right-hand corner of the screen and highlights the first occurrence of the string. An example of a successful search in a browse screen is shown in Figure 12–8.

```

BROWSE -- NSLPC.S@B.RPS@B.D98223.T093806 ----- CHARS 'ID' FOUND
COMMAND ==>>                                     SCROLL ==>> PAGE
***** TOP OF DATA *****

```

TBNAME	NAME	TBCREATOR	COLNO	COLTYPE	LENGTH
AGG_DESC	ID	\$ED	1	SMALLINT	2
AGG_DESC_DET	DESC_ID	\$ED	2	SMALLINT	2
AGG_DESC_DET	ID	\$ED	1	SMALLINT	2
AGG_DESC_ITEM	DESC_DET_ID	\$ED	4	SMALLINT	2
AGG_DESC_ITEM	DESC_ID	\$ED	3	SMALLINT	2
AGG_DESCN	DESC_ID	\$ED	3	SMALLINT	2
AGG_DESCN	ID	\$ED	1	SMALLINT	2
AGG_PURP	DESC_ID	\$ED	3	SMALLINT	2
AGG_PURP	ID	\$ED	1	SMALLINT	2
AID_OVRPMT	AID_TYPE	\$ED	5	CHAR	2
AID_OVRPMT	UPDT_USER_ID	\$ED	9	CHAR	8
COLL	ID_STU_SEQ_NO	\$ED	11	SMALLINT	2
FDSL_P SVR_BR_HOL	ID_STU_SEQ_NO	\$ED	6	SMALLINT	2
FINANC_PROF	INCM_TAX_PAID	\$ED	10	INTEGER	4
FS_SBM_TL_RUN_ERR	FFEL_DUP_ID	\$ED	13	CHAR	1
GA_AGG	DESC_DET_ID	\$ED	6	SMALLINT	2
GA_AGG	DESC_ID	\$ED	7	SMALLINT	2

Figure 12–8, Browse Screen After Successful Find

You can search for further occurrences of the string by pressing **F5** until you find what you need. The message “Bottom of data reached”, will appear when the last occurrence of the string is found.

Another useful feature of the Find command is the ability to count the number of occurrences of a given string or file name. To use this feature, simply type the word **all** at the end of the Find command. For example, to count the number of occurrences of the string “ID” in the NAME column of Figure 12–7, type **fID 23 40 all** and press **ENTER**. As in the previous search, the system highlights the first occurrence of the specified string. Instead of the “found” message, however, the system now displays the number of occurrences of the string, followed by the string itself. The results of this search are shown in Figure 12–9.

```

BROWSE -- NSLPC.S@B.RPS@B.D98223.T093806 ----- 76 CHARS 'ID'
COMMAND ==>----- SCROLL ==> PAGE
-----1-----2-----3-----4-----5-----6-----7-----8
***** TOP OF DATA *****

```

TBNAME	NAME	TBCREATOR	COLNO	COLTYPE	LENGTH
AGG_DESC	ID	\$ED	1	SMALLINT	2
AGG_DESC_DET	DESC_ID	\$ED	2	SMALLINT	2
AGG_DESC_DET	ID	\$ED	1	SMALLINT	2
AGG_DESC_ITEM	DESC_DET_ID	\$ED	4	SMALLINT	2
AGG_DESC_ITEM	DESC_ID	\$ED	3	SMALLINT	2
AGG_DESCN	DESC_ID	\$ED	3	SMALLINT	2
AGG_DESCN	ID	\$ED	1	SMALLINT	2
AGG_PURP	DESC_ID	\$ED	3	SMALLINT	2
AGG_PURP	ID	\$ED	1	SMALLINT	2
AID_OVRPMT	AID_TYPE	\$ED	5	CHAR	2
AID_OVRPMT	UPDT_USER_ID	\$ED	9	CHAR	8
COLL	ID_STU_SEQ_NO	\$ED	11	SMALLINT	2
FDSLP_SVR_BR_HOL	ID_STU_SEQ_NO	\$ED	6	SMALLINT	2
FINANC_PROF	INCM_TAX_PAID	\$ED	10	INTEGER	4
FS_SBMTL_RUN_ERR	FFEL_DUP_ID	\$ED	13	CHAR	1
GA_AGG	DESC_DET_ID	\$ED	6	SMALLINT	2

Figure 12–9, Search Results Using “All”

Once again, pressing **F5** will continue the search. If you press **F5**, however, the count message will disappear.

12.2.1.3 Migrated Files

In some cases, a file’s Volume field may contain the word “MIGRATED” rather than a volume number. The “MIGRATED” entry means that the file has been moved from the mainframe computer to magnetic tape. An operator at the Virtual Data Center (VDC) must physically load migrated data onto the computer, so a delay will occur before you can access it.

When you enter a command for a file that has been migrated, you will be prompted to request that the file be restored. The prompt requests input from you in three steps (Figure 12–10). Usually, you’ll press **ENTER** twice, then identify a restoration method.

```

ARC 1020I DFSMSHsm IS RECALLING FROM DASD DSN=NSLPC.XXX.EXTP070.D97127.T13002
YOU MAY CONTINUE THE RECALL IN THE BACKGROUND AND FREE YOUR TSO SESSION BY PRESSING
THE ATTENTION KEY.
FDRW70  ELIGIBLE FOR RECALL - DSN=NSLPC.XXX.EXTP070.D97127.T13002
FDRW71  TYPE 'END' TO BYPASS THE RESTORE OR PRESS 'ENTER' TO CONTINUE

FDRW 76 DATA SET IS SCHEDULED TO BE RESTORED TO VOLUME SERIAL NUMBER MIGRAT
FDRW 77 TYPE NEW VOLUME SERIAL NUMBER AS XXXXXX OR PRESS 'ENTER' TO CONTINUE

FDRW 72 TO RESTORE THE DATA SET IN THE FOREGROUND -- REPLY 'FG'
FDRW 72 TO RESTORE THE DATA SET IN THE BACKGROUND -- REPLY 'BG'
FDRW 72 TO DEFER THE RESTORE VIA THE REMOTE QUEUE -- REPLY 'RQ'
FDRW 73 TYPE THE APPROPRIATE RESPONSE OR 'END' TO TERMINATE THE RESTORE

FDRW78 RESTORE START COMMAND ISSUED - YOU WILL BE NOTIFIED UPON COMPLETION
***

```

Figure 12–10, Prompt to Restore Migrated Files

Three restoration methods are available. You can use the one that best suits your timing requirements. The three methods are:

- **FG**—Foreground restoration. Your computer is essentially put on hold until the file is restored.
- **BG**—Background restoration. You may continue to work on other tasks, and will be notified when the data is available. Most people choose BG.
- **RQ**—Restore via remote queue. The selected file or files will be stacked in a job that will not run until you log off TSO.

The notification that your data file has been restored looks something like this:

```

FDR314 FDR UNCATALOGED DSN=NSLPC.XXX.EXTP070.D97127.T13002 FROM VOL=MIGRAT CN (INTERNAL)
FDR311 FDR RESTORED DSN=NSLPC.XXX.EXTP070.D97127.T13002  ALLOCATED CATALOGED
CN (INTERNAL)
FDR311 ON VOLSER=N9P032 UNIT=3390-3 CN (INTERNAL)

```

Figure 12–11, Notification That Migrated Files Are Restored

Once the migrated data set has been restored, you can work with it as with any other file.

If you do not want to restore the file, type the word **END** and press **ENTER** after each question or prompt.

12.2.2 Downloading a Data File

To transfer a file from the mainframe computer to your personal computer, first be sure that no other applications (such as QMF) are running. Then follow these steps, which may vary somewhat depending on the communications software you are using:

1. On the *DSL* screen, find the file you want to download as instructed in Section 12.2.1.
2. Using your mouse, highlight the desired filename, then select Edit, Copy in the menu of your communications program. If your communications program has a toolbar, you can just click the **COPY** button.
3. Press **F3** twice to exit the Download facility and return to the *ISPF/PDF Primary Option Menu*.
4. On the *ISPF/PDF Primary Option Menu*, type **6**, for the TSOcmd option, and press **ENTER**.
5. The *ISPF Command Shell* screen displays (Figure 12–12).

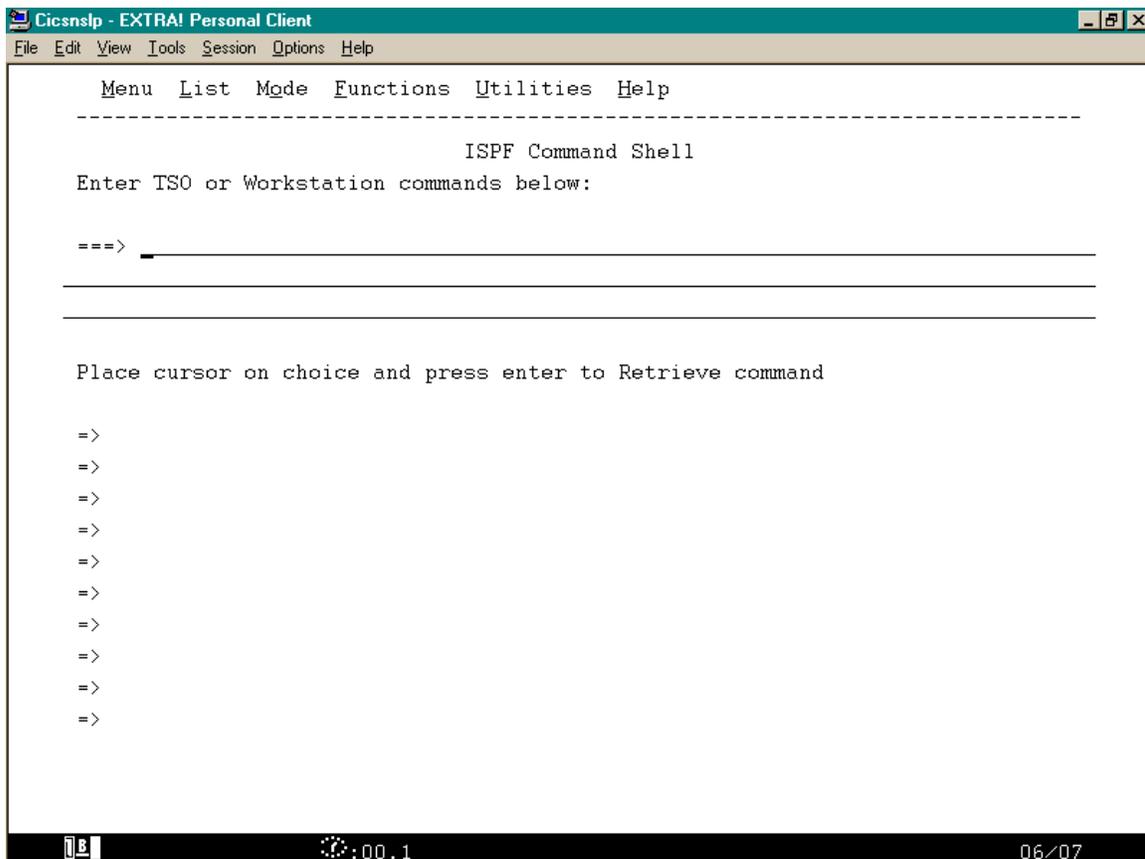


Figure 12–12, ISPF Command Shell Screen

6. Select the Transfer File option from your communications program's menu. Figure 12–13 shows the Transfer option in the Attachmate EXTRA! communications package, where it is called 'Transfer File' and is located on the Tools menu. If you are using different communications software, your Transfer option may have a different name or be located on a different menu.

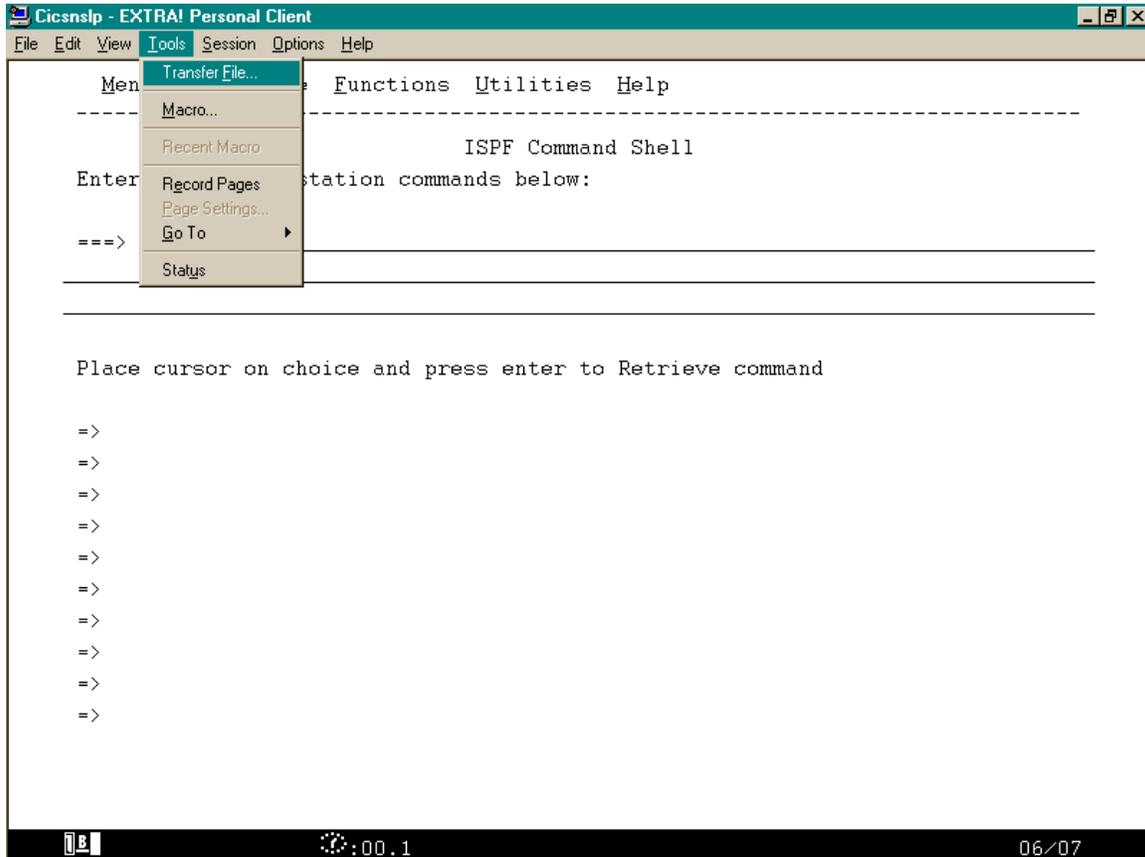


Figure 12–13, Selecting the Transfer Option

The Transfer File dialog box should now appear (Figure 12–14).



Figure 12–14, Transfer File Dialog Box

7. Type the file name you want the data set to have on your PC in the PC Filename field. The file should normally be given a .txt extension, so the data will be saved as an ASCII file that can be read by all word processors. Even if you know you will be using MS Word, for example, don't save the file with a .doc extension. It must be saved as .txt, then converted from ASCII as Microsoft Word opens the file.
8. Click the Receive radio button to designate the transfer direction. Remember that when you are in the Download utility, you are working on the mainframe. Once you select Transfer, you are working on your PC again, and therefore receiving the file from the mainframe, or host.
9. Type the name of the data set you want to download in the Host Filename field. This is the data set name you copied in step 2. Paste it in by placing the cursor inside the Host Filename field and pressing the **CTRL** and **V** keys at the same time. Type a single quotation mark at the beginning of the filename and one at the end. Also, be sure that no blank spaces appear anywhere in the data set name or the transfer won't work.

10. Set the Host Type field to TSO and the Scheme field (or Mode field in some software packages) to Text Default.
11. After you have set all the values, click Add to List and then Transfer. The program will ask you if you want to save the changes to the transfer list before continuing. If you think you will need to download the same file to the same destination more than once, click Yes. In this case, the program will then ask you to enter a filename for the transfer list. Clicking Yes is not necessary to complete the transfer, however. You can click No and the transfer will begin.
12. When the transfer is complete, the Transfer Summary dialog box is displayed (Figure 12–15). If the transfer was successful, a green check mark appears in the Action column and the Comments column should read “File transfer complete.” Click the OK button and you will be returned to the *ISPF Command Shell* screen. Press **F3** to exit to the *ISPF/PDF Primary Option Menu* screen.

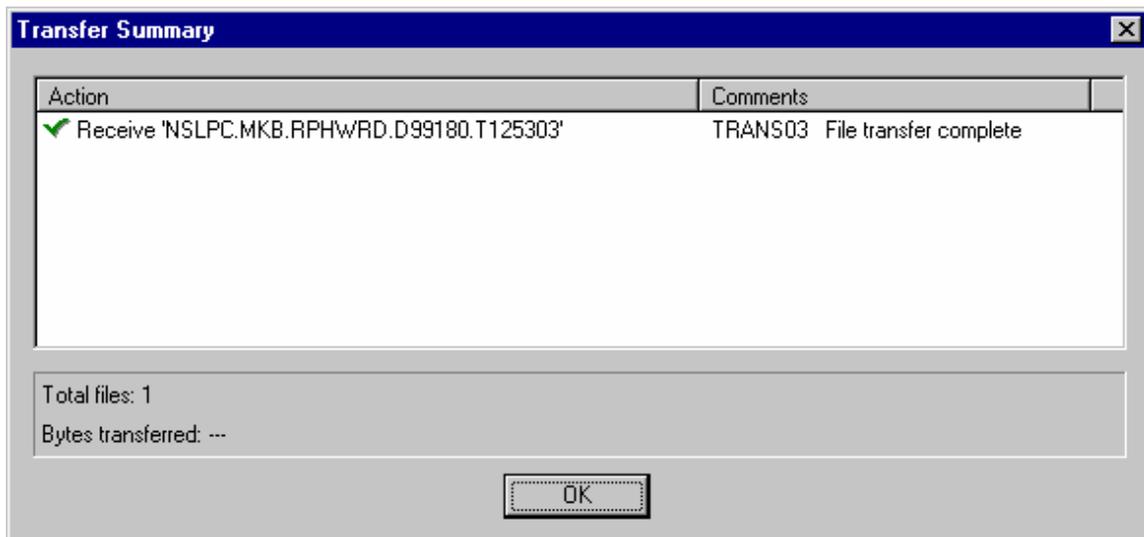


Figure 12–15, Transfer Summary Dialog Box

If the transfer was unsuccessful, an error message with a red X appears in the Action column and the Comments field contains an error message. If this occurs, you must repeat steps 6 through 12, correcting the errors, until the transfer succeeds.



The transferred file can now be loaded in a word processing or spreadsheet program for PCs. Refer to your PC software documentation to learn how to load an ASCII file into it.

12.2.2.1 Download Troubleshooting

If your file transfer fails, check to make sure the file transfer options in your communications program are set up correctly.

If you are using Attachmate, click File, Properties. Then click the Statistics tab. The program should display a panel like the one shown in Figure 12–16.

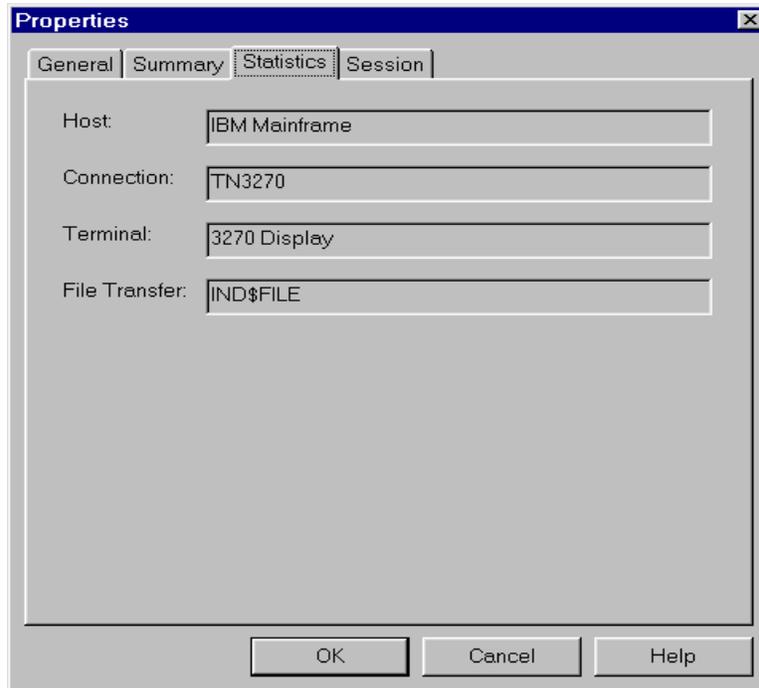


Figure 12–16, Properties Dialog Box, Statistics Tab

If the values on your panel differ from those shown here, you will have to create a new communication session. Contact the EDNet LAN Help Desk at (202) 708-5450, press 2 for computer, for assistance. If all values in the Statistics panel are correct, click the OK button.

Next, click Edit, Settings, highlight the File Transfer category, and click the Advanced tab. The program should display a panel like the one shown in Figure 12–17. Change any settings that differ from those in this figure.

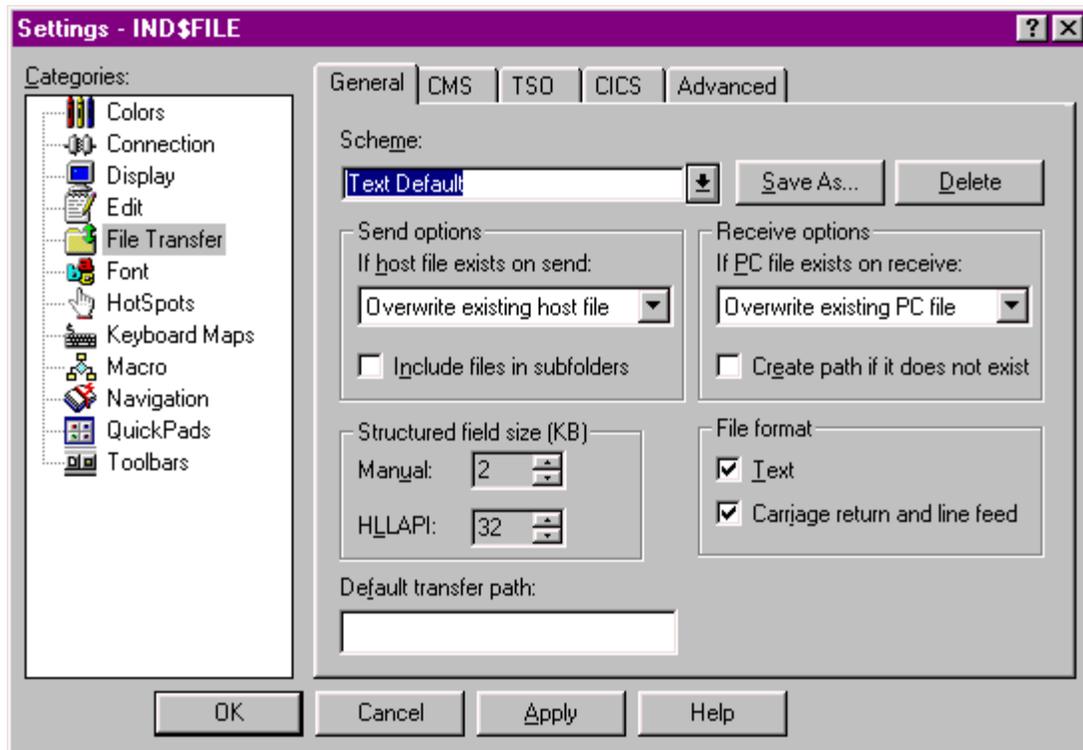


Figure 12–17, File Transfer Settings Dialog Box

Finally, click File, Save Session. Now try the download again.

12.2.3 Additional Functions of the DSLIST Screen

The Command column contains user entry fields to the left of each data set name. By entering a command in the field next to the name of a data set, you can browse, edit, delete, rename, or view information about the data set. Valid commands are:

- ‘**B**’ to browse the data set
- ‘**E**’ to edit the data set
- ‘**D**’ to delete the data set
- ‘**R**’ to rename the data set
- ‘**S**’ or ‘**T**’ to view information about the data set

12.2.3.1 Browse Data Set

If you type **B** in the Command column to the left of a file name, the file will be displayed on the *Browse* screen (Figure 12–18). Note the screen name in the top left-hand corner. As this command is BROWSE, this indicates that it is in a view-only mode. No changes can be made to this file using this option.

```

BROWSE -- NSLPC.XXX.RPN014.D97311.T120039 ----- LINE 00000000 COL 001 080
COMMAND ==>                                     SCROLL ==> CSR
***** TOP OF DATA *****
Report ID: MBR004                                U.S. DEPARTMENT OF EDUCATION
Page No: 1                                       NATIONAL STUDENT LOAN DATA SYSTEM (NSL
                                                LENDER ORIGINATION PROFILE

Report Parameters:  Period Begin: 10/01/95
                   Period End  : 09/30/96
                   Lender Code  : ALL
                   Lender Branch Code: ALL
                   Sort Sequence: LENDER, LOAN TYPE

Lender Branch of Loans of Loans Percentage
Code Code This Period Prev Period Change
-----
Total Number of Loans Originated This Period: 0
Total Amount of Loans Originated This Period: $ 0
Total Number of Loans Originated Percentage Change Over Previous Period: 0.00
Total Amount of Loans Originated Percentage Change Over Previous Period: 0.00
End of LENDER ORIGINATION PROFILE
***** BOTTOM OF DATA *****

```

Figure 12–18, Browse Screen (Partial View)

Move through the file using the following function keys:

- **F3** = Exit
- **F7** = Scroll backwards (up the list)
- **F8** = Scroll forwards (down the list)
- **F10** = Move to the left
- **F11** = Move to the right

Type an **M** on the Command line at the upper left hand corner, and press **F7**, **F8**, **F10**, or **F11** to move the maximum distance possible in the chosen direction.

Press **F3** to exit this screen.

12.2.3.2 Edit Data Set

If you type **E** in the Command column to the left of a file name, the file will be displayed on the Edit Entry Panel (Figure 12–19).

```

Workstation  Help

                                EDIT Entry Panel

                                More:      +

Object Name:
'NSLPC.SZP.RP1.D01354.T150122'
* No workstation connection
Initial Macro . . .
Profile Name . . .      (Blank defaults to Type)
Format Name . . .
Panel Name . . .      (Leave blank for default)

Options
/ Confirm Cancel/Move/Replace
  EDIT Mixed Mode
  EDIT host file on Workstation
  Preserve VB record length
/ Warn on First Data Change

F1=Help      F2=Split      F3=Exit      F7=Backward
F8=Forward   F9=Swap       F12=Cancel

```

Figure 12–19, Edit Entry Panel

Press ENTER to confirm edit, or press F12 to cancel the edit command. If you press ENTER, the file will be displayed on the Edit Screen (Figure 12–20). Note the screen name in the top left-hand corner of the screen.

```

EDIT ---- NSLPC.XXX.RPN014.D97311.T120039 ----- COLUMNS 001 072
COMMAND ==>                                     SCROLL ==> CSR
***** ***** TOP OF DATA *****
000001 1Report ID: MBR004                          U.S. DEPARTMENT OF EDU
000002 Page No:      1                            NATIONAL STUDENT LOAN DATA SY
000003 0                                             LENDER ORIGINATION PRO
000004 Report Parameters:  Period Begin: 10/01/95
000005                      Period End  : 09/30/96
000006                      Lender Code   : ALL
000007                      Lender Branch Code: ALL
000008                      Sort Sequence: LENDER, LOAN TYPE
000009 0
000010                      Number      Number      Percentage
000011                      Code      Code      This Period  Prev Period  Change
000012                      -----
000013 0Total Number of Loans Originated This Period:                0
000014 Total Amount of Loans Originated This Period:                $      0
000015 Total Number of Loans Originated Percentage Change Over Previous Period
000016 Total Amount of Loans Originated Percentage Change Over Previous Period
000017 0End of LENDER ORIGINATION PROFILE
***** ***** BOTTOM OF DATA *****

```

Figure 12–20, Edit Screen (Partial View)

Edit the records using the standard TSO editing commands. Refer to the TSO Online Help if you need further information about editing a data set.

Move through the file using the following function keys:

- **F3** = Exit

- **F7** = Scroll backwards (up the list)
- **F8** = Scroll forwards (down the list)
- **F10** = Move to the left
- **F11** = Move to the right

Type an **M** on the Command line and press **F7**, **F8**, **F10**, or **F11** to move the maximum distance possible in the chosen direction.

To exit and save your changes, press **F3**. To exit without saving changes, type **CANCEL**.

12.2.3.3 Delete Data Set

If you type **D** in the Command column to the left of a file name, the selected file will be displayed on the *Confirm Delete* screen (Figure 12–21).

```
----- CONFIRM DELETE -----
COMMAND ==>

DATA SET NAME: NSLPC.XXX.RPN014.D97311.T120039
VOLUME:       N9W001
CREATION DATE: 1997/11/11

ENTER "/" TO SELECT OPTION
      SELECT SET DELETE CONFIRMATION OFF

INSTRUCTIONS:

  Press ENTER to confirm delete.
    (The data set will be deleted and uncataloged.)

  Press CANCEL or EXIT to cancel delete.

. . . . .
```

Figure 12–21, *Confirm Delete Screen*

Press **ENTER** to confirm that you wish to delete the listed data file, or type the word **End** on the Command line to cancel the deletion request.

Press **F3** if you want to cancel the delete command.

If the file has been migrated, you can type the word **DELETE** at the Command line without having to recall the file from tape.

12.2.3.4 Rename Data Set

If you type **R** in the COMMAND column to the left of a file name, the selected file will be displayed on the *Rename Data Set* screen (Figure 12–22).

```
----- RENAME DATA SET -----
COMMAND ==>

DATA SET NAME: NSLPC.XXX.RPN014.D97311.T120039
VOLUME:       N9W001

ENTER NEW NAME BELOW:      (The data set will be recataloged.)

ISPF LIBRARY:
  PROJECT ==>
  GROUP   ==>
  TYPE    ==>

OTHER PARTITIONED OR SEQUENTIAL DATA SET:
  DATA SET NAME ==> 'NSLPC.XXX.DISCARD.D97315.T135111'
```

Figure 12–22, Rename Data Set Screen

Use the Data Set Name field at the bottom of the screen under ‘Other Partitioned or Sequential Data Set’ to enter the new name for your data file. In Figure 12–22, the data set ‘NSLPC.XXX.RPN014.D97311.T120039’ has been renamed ‘NSLPC.XXX.DISCARD.D97315.T135111’. Press **ENTER** to return to the DSLIST screen.

The section named ‘ISPF Library’ should not be used.

Press **F3** if you want to cancel the Rename command. You will be returned to the DSLIST Screen.

12.2.3.5 Data Set Information

If you type *S* in the Command column to the left of a file name, the selected file will be displayed on the *Data Set Information* screen (Figure 12–23).

```

----- DATA SET INFORMATION -----
COMMAND ==>

DATA SET NAME: NSLPC.XXX.RPN014.D97311.T120039

GENERAL DATA:                                CURRENT ALLOCATION:
Volume serial:      N9P425                    Allocated tracks:  :           1
Device type:        3390                      Allocated extents: :           1
Organization:       PS
Record format:      FBA
Record length:      133
Block size:         27930
1st extent cylinders: 1
Secondary cylinders: 10

                                CURRENT UTILIZATION:
                                Used tracks:           1
                                Used extents:          1

Creation date:       1997/11/07
Referenced date:     1998/01/07
Expiration date:     ***NONE***

. . . . .
    
```

Figure 12–23, Data Set Information Screen

In addition to the data set’s volume number and creation date, this screen displays basic information about the physical organization of the data set and how the data set is stored on the mainframe’s storage device. The technical details of this information are beyond the scope of this User’s Guide. Consult the TSO Online Help facility for an explanation of each field on this screen.