Unit 3: Using the ISPF utilities
Module 4: Using the ISPF dslist utility
Using the ISPF dslist utility – Introduction

The ISPF utilities provide a variety of functions for library, data set, and catalog maintenance. In this module, *Using the ISPF dslist utility*, we’ll explore a set of utilities that allow you to display or print lists of ISPF libraries, data sets, or volume table of contents (VTOC) information.

The data set list (dslist) utility is one of the most useful ISPF utilities. For example, use the dslist utility to create a scrollable list of all data sets with like high-level name qualifiers across all disk units to which you have access. You can then select from this list to browse, edit, delete, rename, and do other things with the data sets.

Time to complete: 20 – 30 minutes
Using the ISPF dslist utility – Objectives

Upon completion of this module, you should be able to:

- Access and use the ISPF dslist utility
- Select dslist utility options
- Use the dslist utility to search for data sets
- Use the data set list actions
- Use commands from the dslist utility.
Using the ISPF dslist utility – Accessing the Utility Selection Panel

When you select option 3 on the Primary Options Menu, the Utility Selection Panel appears. This panel typically gives you access to many different utility options.

In the series of modules about ISPF utilities, we explore some of the most commonly used utilities:
- The library utilities
- The data set utilities
- The move/copy utility
- The dslist utility
- The compare and search utilities
Using the ISPF dslist utility – Starting the ISPF dslist utility

To access the dslist utility, select option 4 on the Utility Selection Panel (shown here) and press the Enter (right Ctrl) key*.
Alternatively, you can jump directly from the Primary Option Menu to the dslist utility panel by entering 3.4 on the Primary Option Menu and pressing the Enter (right Ctrl) key*.

* The default Enter key for a Personal Communications (PCOMM) terminal emulator session is the right Ctrl key. If you are using a different terminal emulator, or your PCOMM keyboard has been customized, you may have a different Enter key.
Using the ISPF dslist utility—Exploring the ISPF dslist utility panel

The Dslist Utility panel has several sections. Like most ISPF panels, this one has an action bar at the top. The three sections on the panel shown here include:

- The data set list options section lists the options you type on the Option line to accomplish a task.
- The data set parameters section is where you specify a full or partial data set name as input to the list utility.
- The data set view options section in which you select the initial view options and also select various processing options.
Using the ISPF dslist utility– Exploring the ISPF dslist utility panel continued

Instructions on how to use the data set list utility appear at the bottom of the panel. Your options include:

• Type a slash (the symbol /) on the data set list command field to open the command prompt pop-up
• Use an ISPF line command
• Use a TSO command
• Run a CLIST or REXX exec
• Enter the equal sign (the symbol =) to repeat the previous command.
Using the ISPF dslist utility—Displaying a list of data sets

You can use the dslist utility to display a data set list in two ways:

- Leave the option line blank and enter a full or partial data set name level (Dsname Level) qualifier with or without a volume serial.
- Leave the option line blank and enter a volume serial.

In the first case, if you do not specify a volume serial number, ISPF does a catalog search to create the data set list.

In either case, if you enter a volume serial number, ISPF creates the data set list by searching the volume table of contents (VTOC).

To print instead of displaying the data set list, type P on the option line.
Using the ISPF dslist utility – Specifying a partial data set name level qualifier

To filter a list of data sets, use the following wildcard symbols as part of a Dsname Level qualifier:

- An asterisk (the symbol *) - one asterisk by itself indicates that at least one qualifier needs to occupy the position. One asterisk within a qualifier indicates that zero or more characters can occupy that position. A double asterisk by itself indicates that zero or more qualifiers can occupy that position. It is not valid to use a double asterisk within a qualifier. For example,
  - SYS1.* - lists all data sets with SYS1 as the high-level qualifier and at least one other qualifier.
  - SYS1 or SYS1.** - lists all data sets with SYS1 as the first qualifier.
  - **.CLIST – lists all data sets with a qualifier of CLIST that are in any of the catalogs to which you have access

- A percent sign (the symbol %) – one percent sign indicates that any one single alphanumeric or national character can occupy the space. You can use up to eight percent signs as placeholders in a partial data set name level qualifier. For example,
  - SYS% - lists all data sets that start with SYS and include one other character, such as SYS1, SYS2, SYS$, and so forth.
  - SYS%% - lists all data sets that start with SYS and include two other characters, such as SYS10, SYS11, SYS1$, and so forth.

These wildcard symbols can also be used in a partial volume serial number.
Using the ISPF dslist utility—Selecting the initial view for the data set list - simulation

You can select four different initial views for the data set list display:

• Volume – which is shown here.
• Space
• Attribute
• Total

To try a simulation that shows all four views of the dslist, click on the Launch button.
Using the ISPF dslist utility—Using line commands from the data set list

You can type line commands in the space to the left of the data set. Depending on your ISPF configuration, the following line commands may be available to you:

- I – information
- S – short information
- D – delete
- R – rename
- C – catalog
- M – member list
- P – print
- X – print index
- CO – copy
- MO – move

We discussed these commands in the modules entitled, *Using the ISPF data set utility* and *Using the move/copy utility*. Refer to these modules for additional information on these line commands.
Using the ISPF dslist utility– Accessing the action panel from the data set list

To access the action panel from the data set list, enter a slash (the symbol /) in the command field to the left of the data set you wish to work with, and press the Enter key.

To select an option on the Data Set List Actions panel, type the option number in the field to the left of number 1 and press the Enter key.
Using the ISPF dslist utility—Using commands on the data set list panel

You can also issue a number of primary commands from the Data Set List panel, including:

- APPEND
- CONFIRM
- EXCLUDE
- FIND and RFFIND
- LC
- LOCATE
- MEMBER
- REFRESH
- RESET
- SAVE
- SHOWCMD
- SORT
- SRCHFOR
- VA, VS, VT, VV

Refer to ISPF help for explanations of these primary commands.
Using the ISPF dslist utility—Selecting and editing data set list members - simulation

To try a simulation of using primary commands, action list commands and line commands to select and edit a data set member from the Data Set List panel, click the Launch button.
Using the ISPF dslist utility—Displaying a volume table of contents (VTOC)

You can also use the dslist utility to display or print the volume table of contents (VTOC) information. A VTOC contains general information about a specified direct access storage device (DASD) volume. Type either V or PV on the option line, enter the volume serial and press the Enter key. The V option displays the VTOC information and the PV option prints the VTOC information. The Dsname Level is ignored when requesting VTOC information.
Using the ISPF dslist utility—A sample VTOC

An example of VTOC information is shown here. It contains general information about the volume, including the type of DASD, the number of tracks, the percent used and the amount of free space.

The VTOC information is the same whether you request that the information be displayed or printed. The printed version, however, also includes a page heading.
Using the ISPF dslist utility – Summary

In this module, *Using the ISPF dslist utility*, you have learned:

- How to access the dslist utility
- How to use the dslist utility to search for and create a list of data sets
- How to select a data set to work with from the data set list
- How to use the data set action list and the member action list panels
- How to use primary and line commands in the data set utility
- How to display a VTOC.