IBM

z/OS V1R13

ISPF: Data set allocate commands from data set list

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Session objectives

- Describe the ISPF enhancement to support the allocation of a new data set from the Data Set List display
- Identify the reasons for this enhancement
- Understand how to use this enhancement
  – Invocation
  – Functional content
  – Associated publications and references

ISPF: Data set allocate commands from data set list

The purpose of this presentation is to describe the Simplification enhancement to ISPF for z/OS V1R13 to support the ability to allocate a new data set from the Data Set List display. The presentation will describe the enhancement, identify the reasons for implementing the enhancement, and help you understand how to use the enhancement.

Overview

- Problem Statement / Need Addressed
  - Many ISPF users spend most of their time working from the Data Set List display (ISPF option 3.4) since it supports most ISPF functions to process data sets
  - However if they need to create a new data set they must navigate to ISPF option 3.2
- Solution
  - Provide a Data Set List line command for the allocation of a new data set
- Benefit / Value
  - Ease of Use: the user does not have to leave the Data Set List display when they need to create a new data set
  - Simplification: the line command can be issued against a data set with attributes that are similar to those needed for the new data set

ISPF: Data set allocate commands from data set list

The ISPF Data Set List display supports most of the ISPF functions available for the processing of data sets. Consequently many ISPF users do most of their work from the Data Set List. However the Data Set List does not support the ability to create a new data set, which is usually done via ISPF option 3.2. To avoid the need for users to leave the Data Set List when they need to create a new data set a new line command is provided to support the allocation of a new data set.

Usage and invocation

- The ISPF Data Set List display now supports the new AL line command for the allocation of a new data set
  - The name of the new data set must be entered with the AL command
    - The name can be enclosed in quotes to avoid the ISPF using the TSO prefix for the high level qualifier
    - No data set name needs to be provided if the AL command is issued against a data set that has just been deleted. The name of the deleted data set will be used for the new data set.
  - When the AL line command is entered against an existing data set a panel is displayed offering options to:
    - Create the data set using the attributes of the existing data set
    - Specify the attributes of the data set on the Allocate New Data Set panel

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The new AL line command can be used in the Data Set List to allocate a new data set

If the AL line command is issued against an existing data set:

A new data set name must be entered with the AL line command

A panel is displayed giving the user options to either allocate the new data set using the attributes of the existing data set or allocate using attributes entered on a subsequent panel

If the AL line command is issued against a data set just deleted from the data set list no data set name needs to be entered and the deleted data set name will be used

Usage and invocation

Using AL against an existing data set:

```
  Menu  Options  View  Utilities  Compilers  Help
 ─────────────────────────────────────────────────────────────────
 ISRUDSL0 Data Sets Matching VANDYKE.LOAD*                Row 1 of 4
 Command ===> _____  Scroll ===> CSR

 Command - Enter "/" to select action           Message        Volume
 ------------------------------------------------------------------
 al load.new DYKE.LOAD                                          A$US15
             VANDYKE.LOAD.MSGTYPES                              A$US21
             VANDYKE.LOADLIB                                    A$US13
             VANDYKE.LOADLIB.OLD                                A$US02
 ***************************** End of Data Set list *****************************
```

```
  ISRMCALL              Allocate Target Data Set
  Command ===> _____

  Specified data set VANDYKE.LOAD.NEW
  does not exist.
  If you wish to allocate this data set, select one of the options
  below.

  Allocation Options:
  2   1. Allocate using the attributes of:
         VANDYKE.LOAD
      2. Specify allocation attributes

  ▉   Use existing SMS attributes for option 1

  Instructions:
    Press ENTER to allocate data set.
    Enter CANCEL or END to cancel allocation.
```

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Usage and invocation

```
   Menu  RefList  Utilities  Help
 ────────────────────────────────────────────────────────────────
 ISRUAASE                    Allocate New Data Set
 Command ===> _____

 Data Set Name  . . . : VANDYKE.LOAD.NEW

 Management class . . . PRIMARY_       (Blank for default management class)
 Storage class  . . . . PRIMARY_       (Blank for default storage class)
 Volume serial  . . . . A$US15         (Blank for system default volume) **
 Device type  . . . . . █_____        (Generic unit or device address) **
 Data class . . . . . . _____        (Blank for default data class)
  Space units . . . . . BLOCK_____     (BLKS, TRKS, CYLS, KB, MB, BYTES
                                         or RECORDS)
  Average record unit    _             (M, K, or U)
  Primary quantity . . 16_____     (In above units)
  Secondary quantity   5_____      (In above units)
  Directory blocks . . 6_____          (Zero for sequential data set) *
  Record format . . . . U_____
  Record length . . . . 0_____
  Block size . . . . . 6144__
  Data set name type   PDS_____      (LIBRARY, HFS, PDS, LARGE, BASIC, *
                                         EXTREQ, EXTPREF or blank)
  Extended Attributes  ___             (NO, OPT or blank)
  Expiration date . . . _____    (YY/MM/DD, YYYY/MM/DD
 Enter "/" to select option             YY.DDD, YYYY.DDD in Julian form
 _ Allocate Multiple Volumes            DDDD for retention period in days
                                         or blank)

 ( * Specifying LIBRARY may override zero directory block)

 ( ** Only one of these fields may be specified)
```

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Note: The Allocate New Data Set panel is only displayed if option 2 is selected on the Allocate Target Data Set panel. If option 1 is selected the new data set is automatically allocated using the attributes of the data set the AL command was issued against.
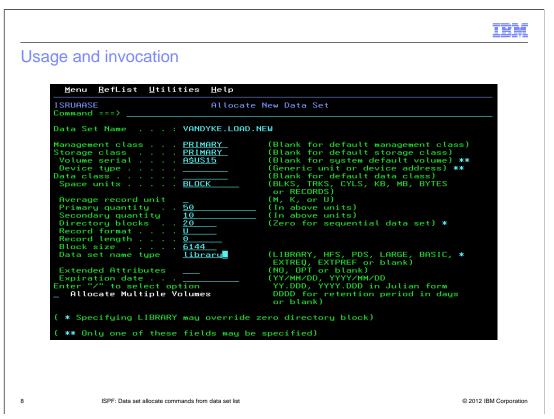
Usage and invocation

Using AL against a deleted data set:

```
   Menu   Options   View   Utilities   Compilers   Help
ISRUDSL0 Data Sets Matching VANDYKE.LOAD*                        Data set deleted
Command ===> _____    Scroll ===> CSR

Command - Enter "/" to select action                Message        Volume
------------------------------------------------------------------------------
         VANDYKE.LOAD                                               A$US15
         VANDYKE.LOAD.MSGTYPES                                      A$US21
al       VANDYKE.LOAD.NEW                            Deleted
         VANDYKE.LOADLIB                                            A$US13
         VANDYKE.LOADLIB.OLD                                        A$US02
**************************** End of Data Set list ****************************
```

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Usage and invocation

```
   Menu  RefList  Utilities  Help
 ──────────────────────────────────────────────────────────────────────
 ISRUAASE                    Allocate New Data Set
 Command ===> _____

 Data Set Name  . . . : VANDYKE.LOAD.NEW

 Management class . . . PRIMARY___    (Blank for default management class)
 Storage class  . . . . PRIMARY___    (Blank for default storage class)
  Volume serial . . . . A$US15         (Blank for system default volume) **
  Device type . . . . . _____      (Generic unit or device address) **
 Data class . . . . . . _____      (Blank for default data class)
  Space units . . . . . BLOCK_____    (BLKS, TRKS, CYLS, KB, MB, BYTES
                                        or RECORDS)
  Average record unit   _             (M, K, or U)
  Primary quantity  . . 50_____  (In above units)
  Secondary quantity    10_____  (In above units)
  Directory blocks  . . 20____        (Zero for sequential data set) *
  Record format . . . . U____
  Record length . . . . 0_____
  Block size  . . . . . 6144__
  Data set name type    library█      (LIBRARY, HFS, PDS, LARGE, BASIC, *
                                        EXTREQ, EXTPREF or blank)
  Extended Attributes   ___           (NO, OPT or blank)
  Expiration date . . . _____    (YY/MM/DD, YYYY/MM/DD
 Enter "/" to select option            YY.DDD, YYYY.DDD in Julian form
  _ Allocate Multiple Volumes          DDDD for retention period in days
                                        or blank)

 ( * Specifying LIBRARY may override zero directory block)

 ( ** Only one of these fields may be specified)
```

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Note: The Allocate New Data Set panel is only displayed if option 2 is selected on the Allocate Target Data Set panel. If option 1 is selected the new data set is automatically allocated using the attributes of the data set the AL command was issued against.

Interactions and dependencies

- None

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Migration and coexistence considerations

- None

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Installation

- None

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Session summary

- The AL line command can be used to allocate a new data set from the Data Set List display

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Appendix - References

- Publication changes
  - SC34-4823 ISPF User's Guide Volume II
    - Describes the new AL line command for the Data Set List

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