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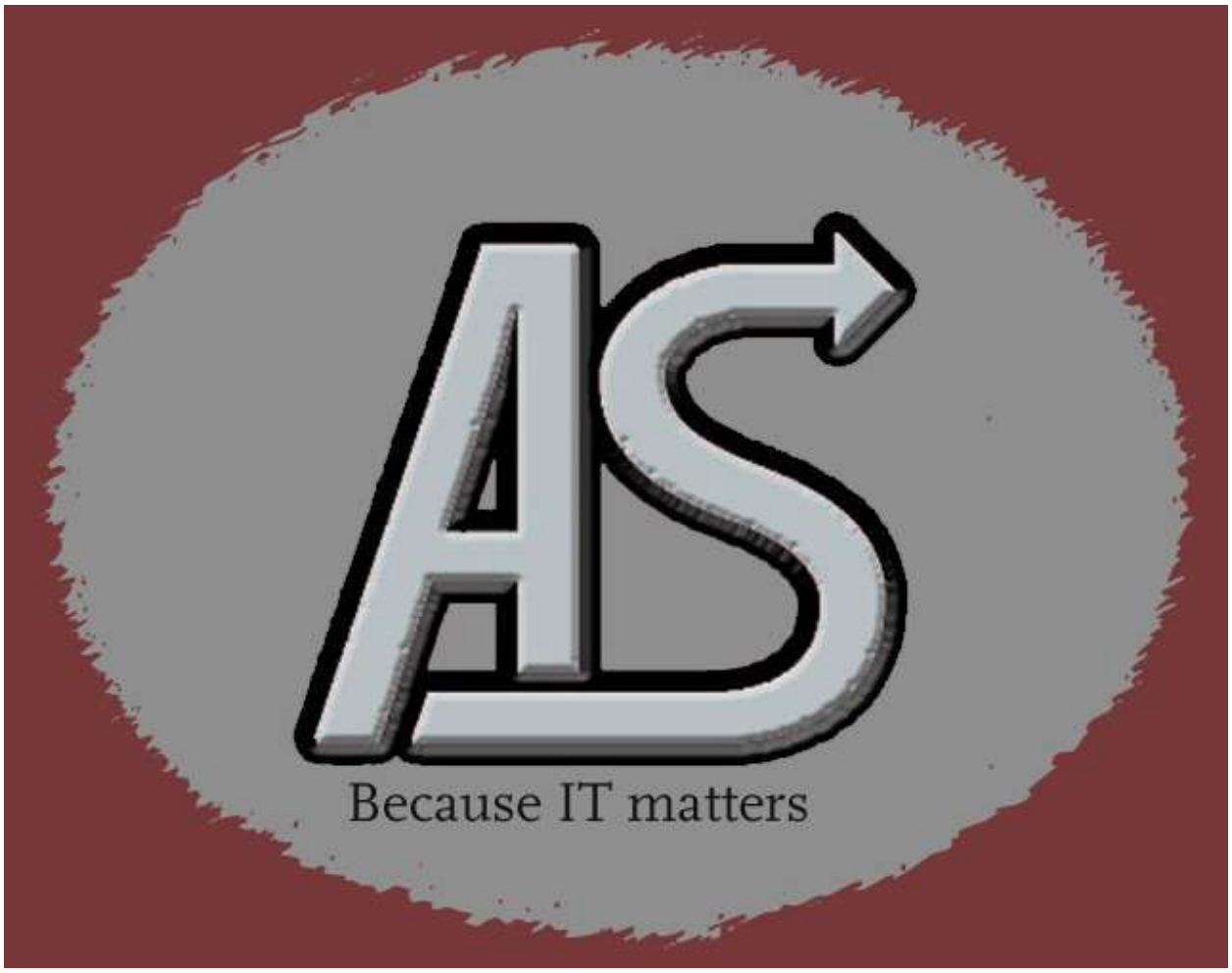

ASLCPY

Rexx Facility

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C O P Y R I G H T

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1 Overview

The Rexx facility, **ASLCPY**, is used to generate IEBCOPY control statements for user defined filter criteria.

It will call **ASLCOPY** to generate IEBCOPY control cards for a partitioned dataset (PDS) based on selections made by the user. These selections are made either via an ISPF panel or, if the user isn't running under ISPF, via screen prompts.

ASLCPY can be used to filter which members of a PDS are included or excluded from being copied based on who last updated the member and/or generic name of the members. ALTERMOD cards can also be generated for members of a load library.

Note: You should only need to use ALTERMOD on modules that were written by a linkage editor prior to MVS/370 or if you believe that the RLD records are corrupt for a load module.

1.1 Components

ASLCPY requires the following component execs and ISPF panels.

Note: All of these are distributed within the **ASLCOPY** installation package.

Name	Type	Description
ASLCPY	Rexx Exec	This is the main Rexx exec. It can be called with or without being under ISPF. If it is under ISPF it can be called as a standard Rexx exec or as an ISPF 3.4 line command.
ASLCPY01	ISPF Panel	Allows selection criteria selection when **ASLCPY** is invoked as a regular Rexx exec. The input PDS field is blank, and the cursor is positioned on this field.
ASLCPY02	ISPF Panel	Allows selection criteria selection when **ASLCPY** is invoked as a line command from ISPF option 3.4 panel. The input PDS field is filled in with the dataset name that is alongside the line command and the cursor is positioned on this COMMAND field.
ASLTESTR	Rexx Exec	Empties or creates a dataset. If the dataset exists it will be emptied, if it doesn't exist, it will be created.
CHECKDSN	Rexx Exec	Checks the validity of a dataset name and returns the dataset information if it exists
VALIDMEM	Rexx Exec	Validates that the string passed to is valid for a member name

2 Installation Procedure

ASLCPY is packaged with the required program, **ASLCOPY**. It comes as two members of the XMIT file (ISPPREP and REXX). They will be unloaded when the UNPACK member is executed

2.1 From XMI File

The XMI (or XMIT) file is in IBM TSO TRANSMIT format and **must** be transferred to z/OS™ as a fixed blocked 80 byte BINARY file. The disk space requirement for the file is 2 tracks of 3390 disk.

The FTP process (if performed in a 3270 emulator) must be performed in TSO READY mode or in option 6 of ISPF™.

The dataset name used as input for the TSO TRANSMIT was ABBYDALE.ASLCOPY.PDS. Unless this is changed by the TSO RECEIVE command it will be the name of the dataset created by the RECEIVE command.

Step 1 – Download the **ASLCOPY** Program XMI

The **ASLCOPY** program XMI (TSO transmitted format file) is available from the Abbydale Systems LLC website. (http://Abbydalesystems.com/ASLCOPY.php)

Step 2 - Transfer the XMI file to the Target z/OS System

The XMI file downloaded in step 1 should be file transferred to the target z/OS systems.

This file transfer **must** be performed as a **binary** file transfer otherwise the dataset will be corrupt on the z/OS system.

Step 3 – RECEIVE the Transferred File

When the file has been successfully transferred to the target system, you will have to RECEIVE the file using the IBM supplied TSO command RECEIVE. The command is:

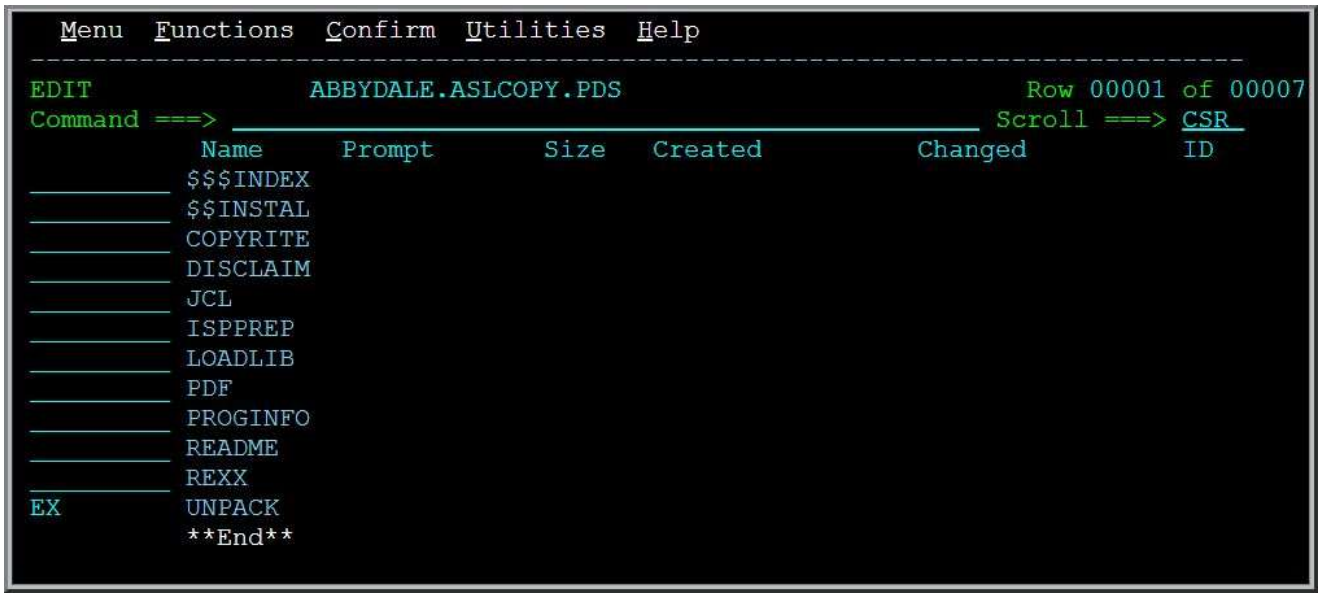
RECEIVE ‘your.transferred.file.name.XMI’

Once you issue the command follow the prompt and change the name of the file if required.

Step 4 – Execute the UNPACK Member in the received dataset

The dataset that was RECEIVED should contain a member named UNPACK. This member is a Rexx exec that will issue the commands required to build all the remaining datasets that comprise **ASLCOPY** and **ASLCPY.**

To execute this exec you need to enter the EX command next to the member name when in an ISPF Edit for the member list of the dataset.



Executing the UNPACK installation member

Alternatively issue the execute as you would any other REXX exec. i.e.

TSO EX '*your.received.dataset*(UNPACK)'

Step 5 - Read the $$INSTAL Member to Complete the Installation

The $$INSTAL member of the received dataset contains instructions of how to complete the installation of **ASLCOPY** and the **ASLCPY** facility

The actual implementation will differ depending on the site standards but essentially you just need to make the libraries available to the users.

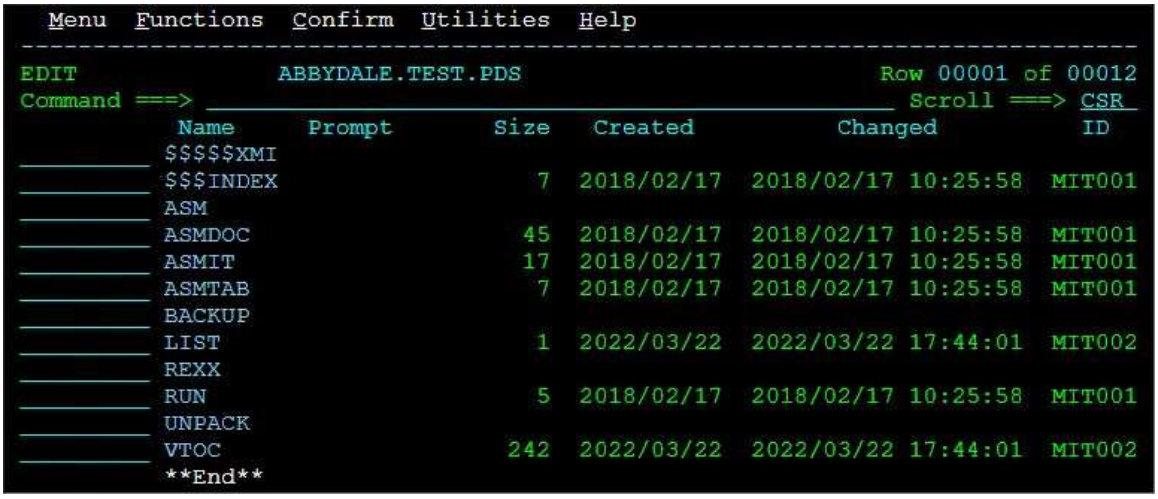
Note: *All* of the Rexx execs in the REXX library are required for **ASLCPY** to work correctly. Please ensure that any existing execs with the same name

3 Using ASLCPY

The **ASLCPY** can be executed either under ISPF or under native TSO (at the READY prompt).

If you are using it as under ISPF then the filter criteria is specified via an ISPF Panel. If you are running it from the READY prompt, then you will be prompted for the information to be used.

For the purposes of this description the input PDS we are showing comprises of the following members:

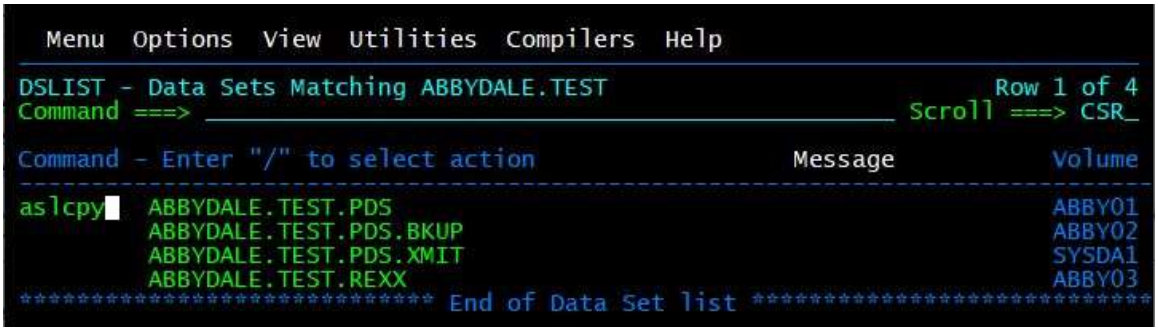


3.1 Under ISPF

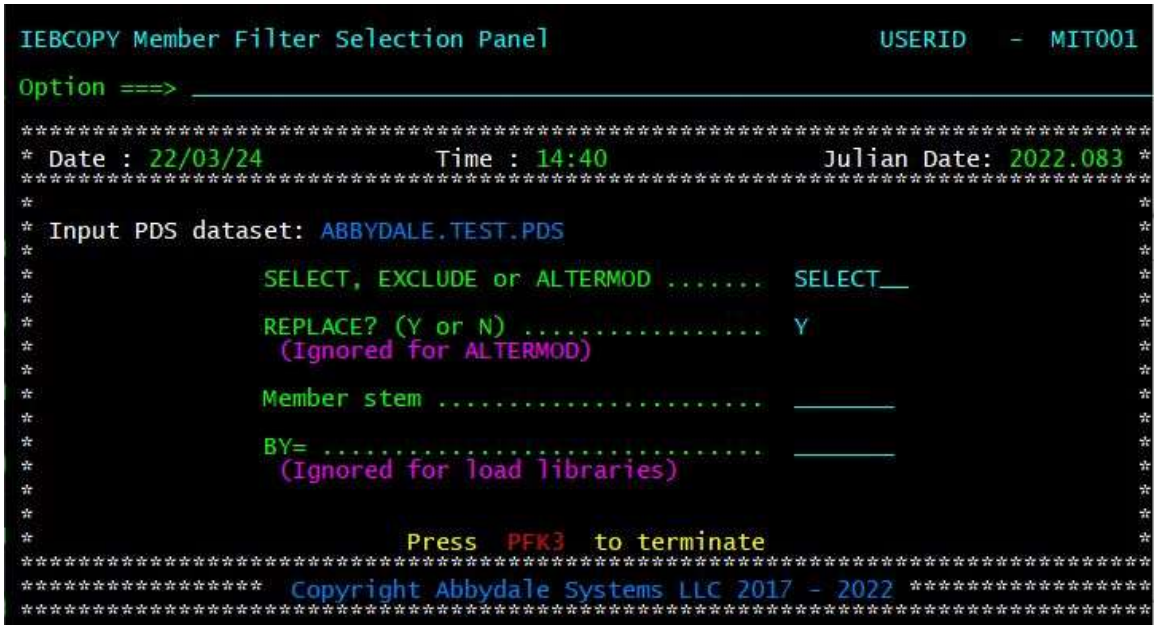
You can run **ASLCPY** as a regular Rexx exec or as a line command from the ISPF 3.4 dataset selection screen. The only difference, from an end user perspective, in the processing is that if **ASLCPY** is invoked via the ISPF 3.4 panel, then the input PDS is filled in and you are unable to type over it

3.1.1 From the ISPF 3.4 Panel

To execute the **ASLCPY** facility from the ISPF 3.4 panel simply type **aslcpy** next to the partitioned dataset that you wish to copy members from. i.e.



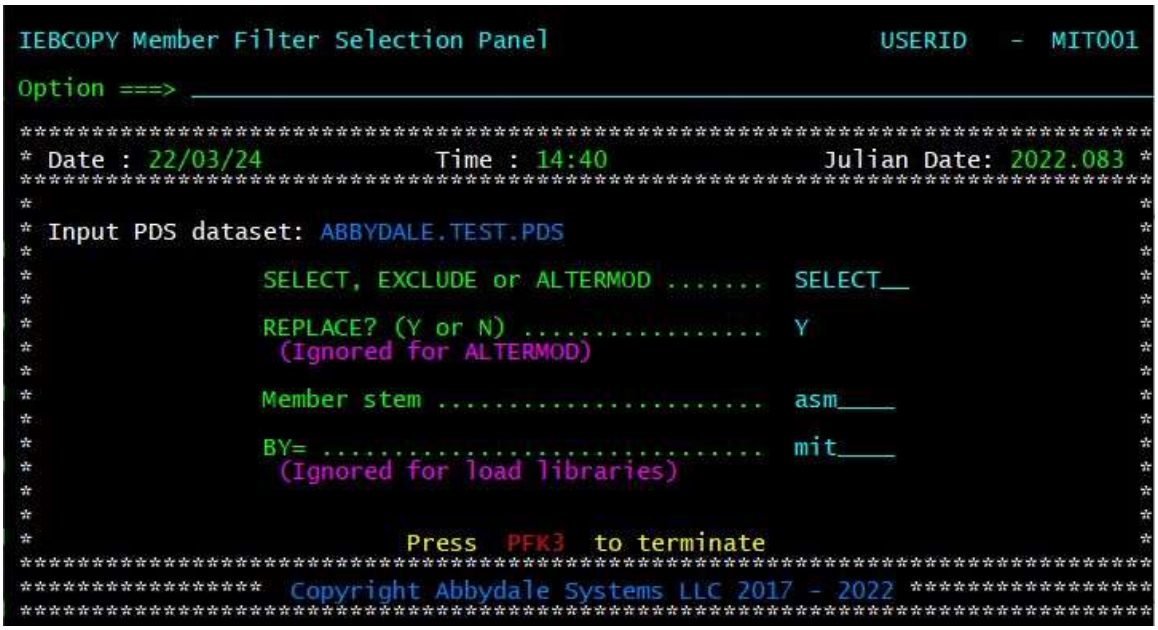
When you press enter you will be presented with the “IEBCOPY Member Filter Selection Panel”. (ASLCPY01).



Notice that the input PDS field is filled in and protected.

Both the “Member Stem” and “BY=” fields allow for generic type filters. For example, if you select MIT as the BY= value then all members of a PDS that were last changed by any userid that starts with MIT will be matched.

Example:



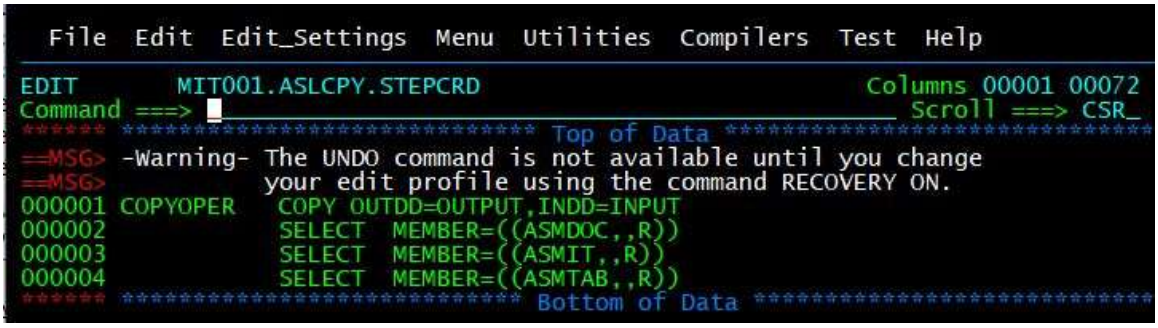
Here we are going to build IEBCOPY control statement for all members of ABBYDALE.TEST.PDS that start with ASM that were last updated by any users whose userid starts with MIT. The control statements generated will specify that existing members in the output dataset will be replaced.

Once you press enter **ASLCPY** will call **ASLCOPY** to generate the IEBCOPY control statements into a dataset that is named *userid*.ASLCOPY.STEPCRD. *userid* will be replaced by the TSO userid of the user running the exec.

Once the program has completed you will be presented with an edit screen of the STEPCRD dataset.

It should be noted that any existing *userid*.ASLCOPY.STEPCRD will be deleted and recreated by **ASLCPY**.'

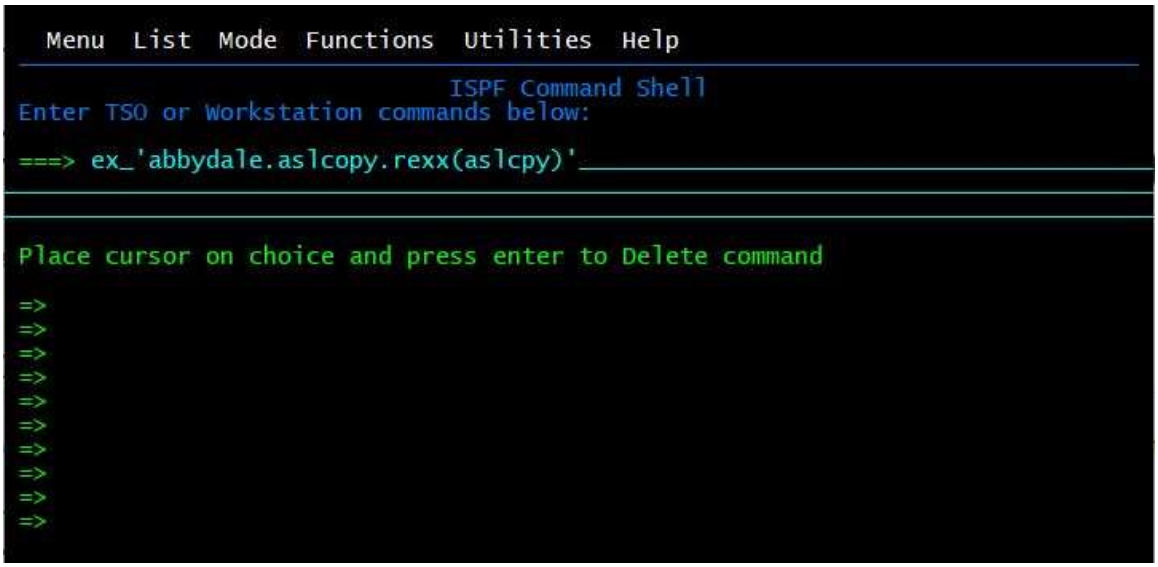
In our example the STEPCRD dataset will look like:



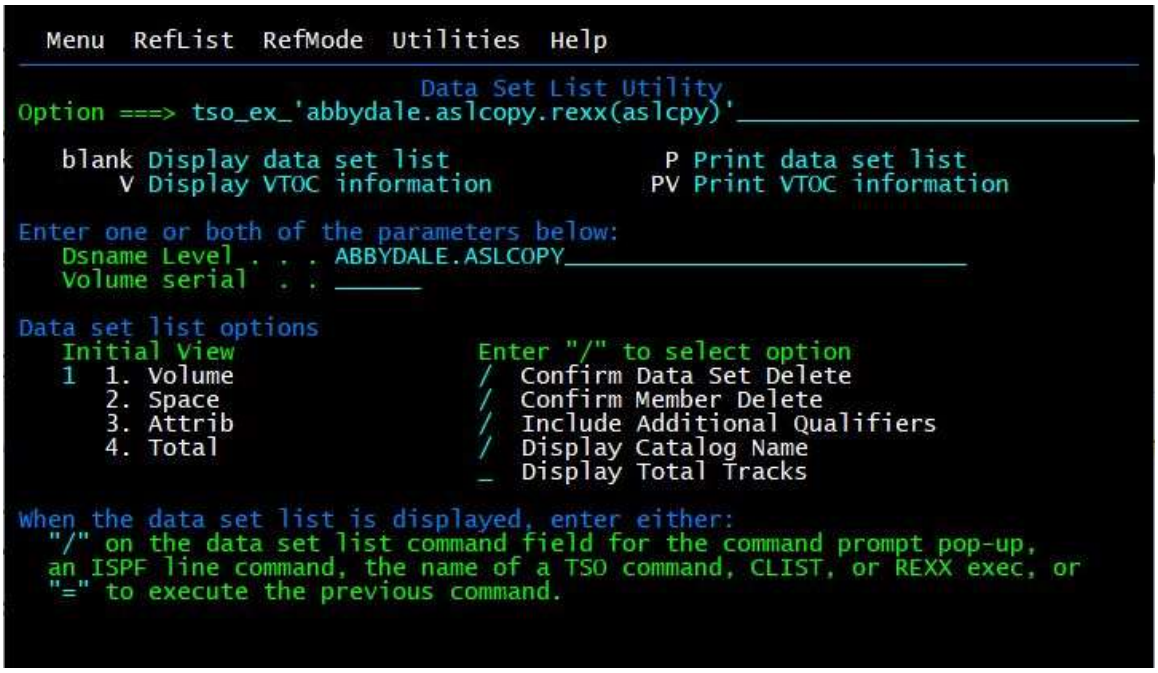
As you can see, based on the directory of the input dataset (see page 9), the ASM member is not included as it has no update statistics.

3.1.2 As a Regular Rexx Exec

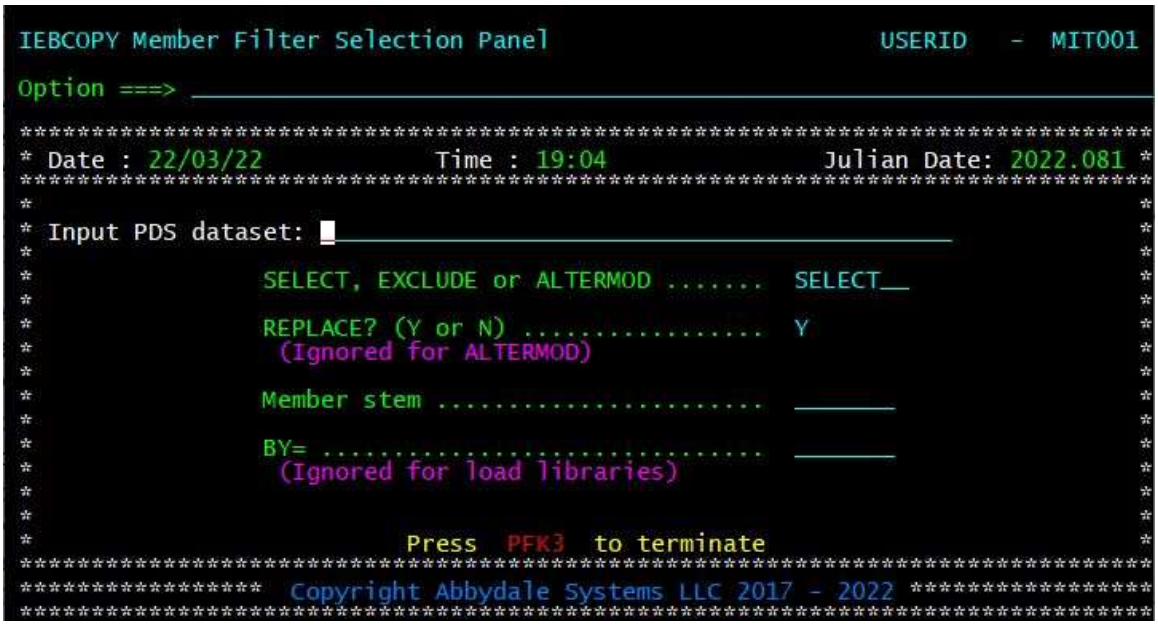
You invoke the **ASLCPY** Rexx in the same way that you would any other exec. Either from a panel's command line or from the Option 6 panel. i.e.



Or

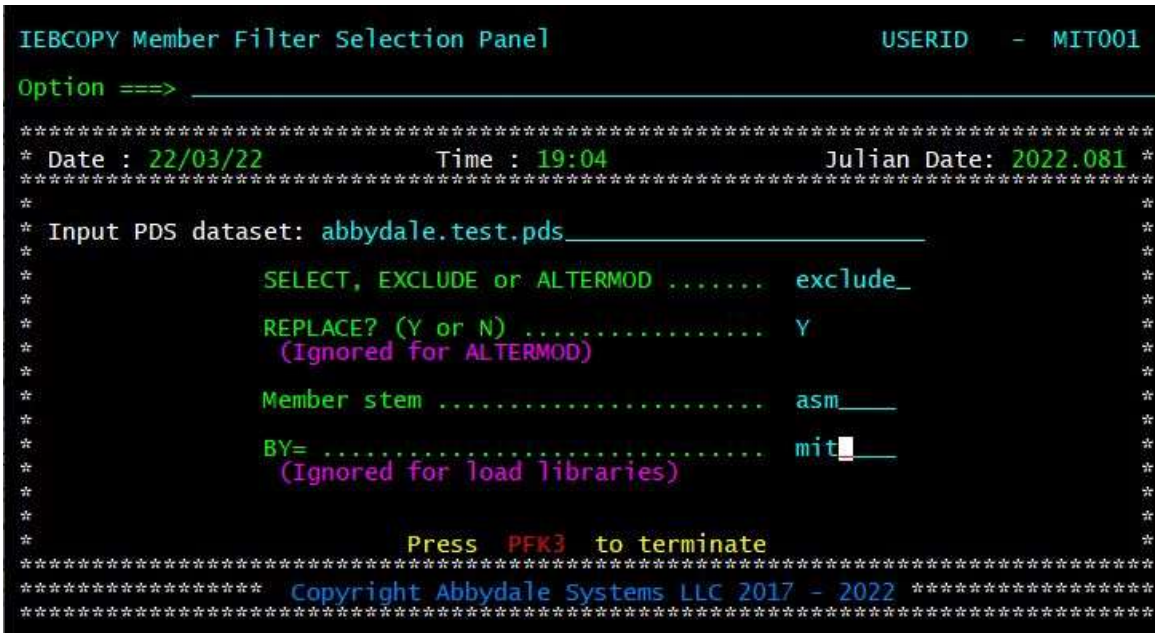


In either case you will be presented with the following panel



Notice that the panel is almost identical to the panel presented when **ASLCPY** is invoked as a line command for the ISPF 3.4 panel except the Input PDS dataset is now available for entering a dataset name and the cursor is placed at this field.

The panel can be filled in in the same way as above. i.e.



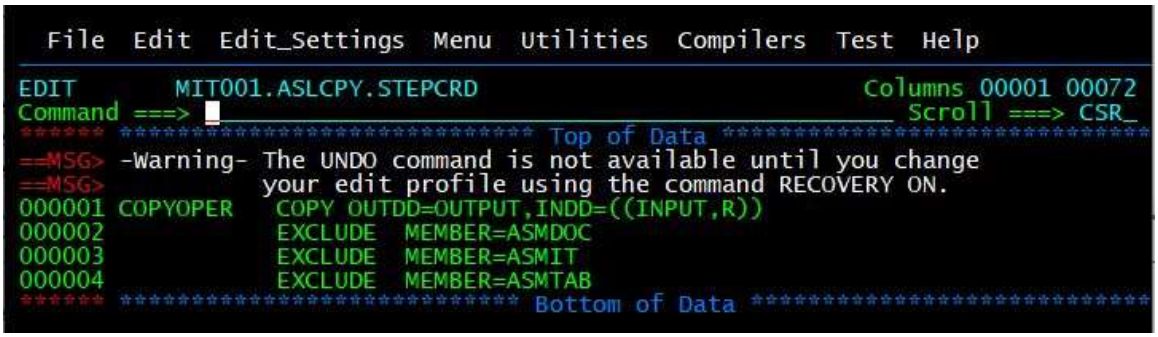
Here we are going to build IEBCOPY control statement for all members of ABBYDALE.TEST.PDS that do not start with ASM (We explicitly are excluding them via the 'exclude' selection) that were last updated by any users whose userid starts with MIT. The control statements generated will specify that existing members in the output dataset will be replaced.

Once you press enter **ASLCPY** will call **ASLCOPY** to generate the IEBCOPY control statements into a dataset that is named *userid*.ASLCOPY.STEPCRD. *userid* will be replaced by the TSO userid of the user running the exec.

Once the program has completed you will be presented with an edit screen of the STEPCRD dataset.

It should be noted that any existing *userid*.ASLCOPY.STEPCRD will be deleted and recreated by **ASLCPY**.'

In our example the STEPCRD dataset will look like:

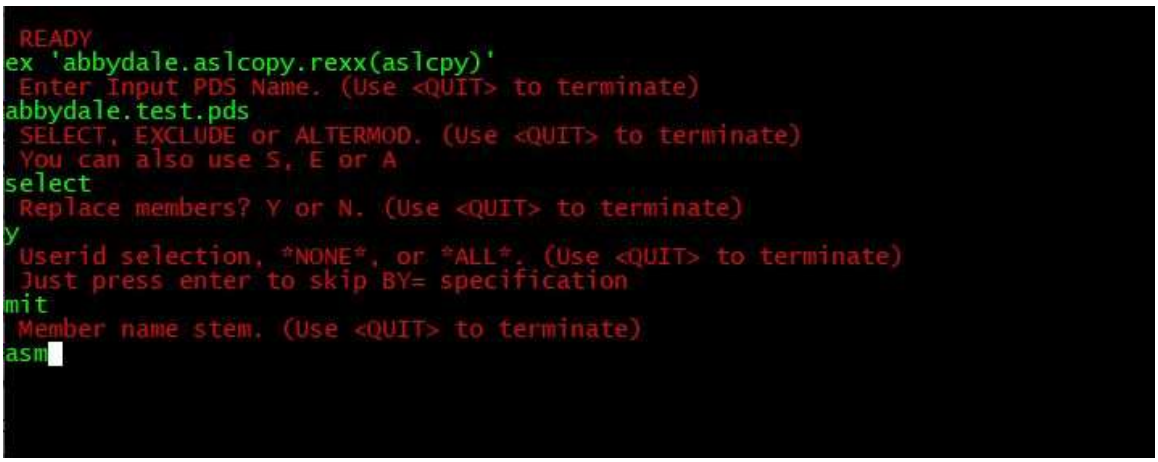


3.1.3 Running Without ISPF Active

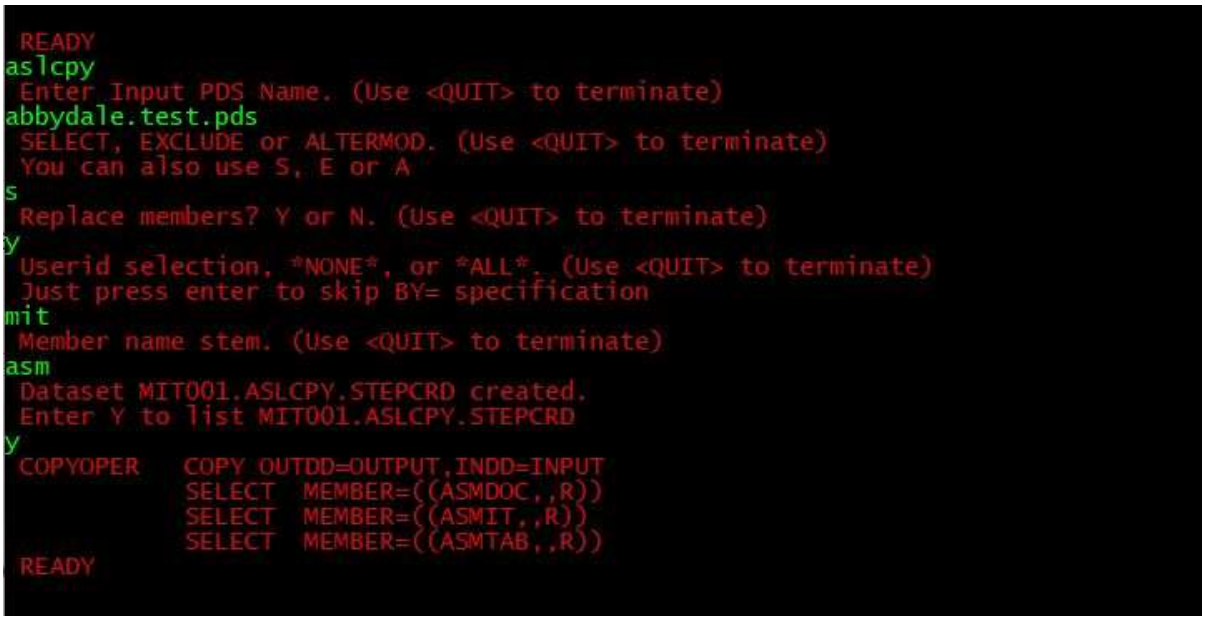
It is possible to run **ASLCPY** without ISPF being active. In this instance the user will be prompted for the information. The prompts will be different for load libraries and source libraries, but the dataset name created with the same name regardless i.e.*userid*.ASLCOPY.STEPCRD. *userid* will be replaced by the TSO userid of the user running the exec.

Note: The user will **not** be taken in to edit the control card dataset

The following shows an execution of **ASLCPY** under native TSO



When enter is pressed after typing in ASM the screen will show the dataset name created but will not go into edit for that dataset. You will, however, be prompted to list the dataset if desired. This listing is simply an ICEGENER of the file.



4 Summary of Amendments

Date	Version	Fix Id.	Comment
8th March 2022	3.2	n/a	Release version.
3rd August 2017	3.1	n/a	Check added for under ISPF or not
28th May 2017	2.1	n/a	Ownership transferred to Abbydale Systems LLC.
6th March 1989	1.0	n/a	Initial exec written

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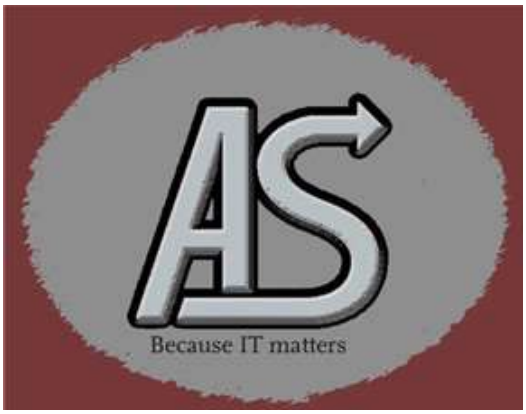
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