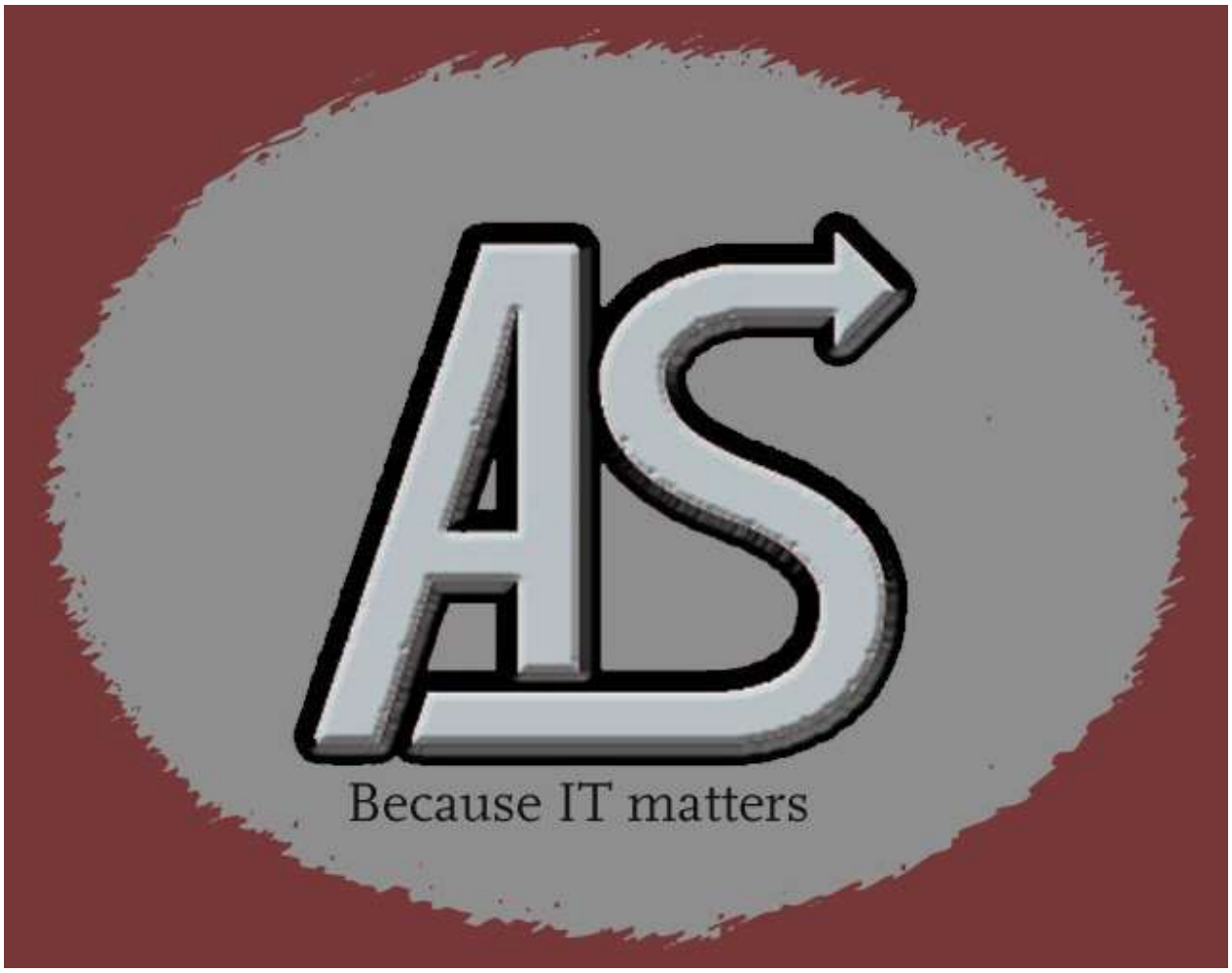
Abbydale Systems LLC.



ASLUCAT

Program Information

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C O P Y R I G H T

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CONTENTS

1 Overview

Under ideal circumstance, all dataset within a system should be catalogued, however, sometimes there are occasions where datasets become uncatalogued. i.e. A disk gets restored from an old backup. Under these circumstances it may be useful to identify datasets on the volume that have become uncatalogued or that have been subsequently catalogued as being on another volume. **ASLUCAT** can provide this information

The program, **ASLUCAT**, is a simple assembler program that will navigate through the VTOC of that volume and produce a list any uncatalogued or miscataloged datasets

The list will either be written to the job log or, if present, to the SYSPRINT DD card.

ASLUCAT will not take any other action, other than list the errant dataset names.

1.1 Available Parameters

The only parameter needed by **ASLUCAT** is the volume serial number of the target volume. The volume must be online or **ASLUCAT** will abend. The volume serial number must be 6 characters in length.
.

1.2 Called Programs:

None

1.3 IBM macros used:

CAMLIST	CHECK	CLOSE	DCB
DEVTYPE	DYNALLOC	IEFJSSIB	IEFSSOBH
LOCATE	PUT	RDJFCB	READ
WTO			

1.4 User macros used:

BEGIN	EOJ	GETPARM

1.5 User DSECTs:

None

1.6 Assembled User Values

There are no user values to be assembled before using **ASLUCAT**. If you want to change the WTO routing and/or descriptor codes, you should change the source code appropriately and re-assemble **ASLUCAT**.

2 Installation Procedure

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 approximately 57 tracks of 3390 disk when blocked at 27920.

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.**ASLUCAT**.PDS. Unless this is changed by the TSO RECEIVE (Please refer to the IBM RECEIVE command for details on the use of this TSO command) command it will be the name of the dataset created by the RECEIVE command.

Once this dataset has been RECEIVEd you will need to execute the UNPACK member. This will unpack all the TRANSMITTED datasets. You will have the option of changing the high-level qualifier for the datasets to be created.

The UPACK member should unpack three datasets. These are:

Hlq.ASLUCAT.JCL	Contains the JCL procedure for assembling **ASLUCAT.** It also contains the JCL for running **ASLUCAT** and the JCL for assembling the programs
Hlq.ASLUCAT.LOADLIB	Contains the pre-assembled load modules **ASLUCAT** and **ASLDATER**. These are 'run ready'.
Hlq.ASLUCAT.MACLIB	Contains the assembled mapping DSECT **ASLDATE.**
Hlq.ASLUCAT.SOURCE	Contains the source code for **ASLUCAT.**

:
Once the ABBYDALE.**ASLUCAT**.PDS dataset has been received please refer to the $$INSTAL member to complete the installation.

A copy of this document is also available in the **ASLUCAT**.PDS dataset. This should be transferred to a Windows system as a binary file and saved as a .PDF file.

3 Using ASLUCAT

ASLUCAT is executed as a standalone program via JCL.

ASLUCAT is a 24 bit program.

ASLUCAT has no required DD cards other than the EXEC and, optionally a STEPLIB DD card if the program is not in the LINKLIST concatenation,

ASLUCAT uses the routing and descriptor codes as shipped by IBM as it's default settings for the messages it issues.

ASLUCAT will produce a list to the SYSPRINT DD card if one is supplied. If one isn't present then the listing will be in the job log.

3.1 Required JCL for ASLUCAT

```
1 //jobname  JOB
2 //stepname EXEC PGM=ASLUCAT,PARM='volser'
3 //STEPLIB  DD  DISP=SHR,DSN=your.load.library
4 //SYSPRINT DD  SYSOUT=*
```

JCL card	Required	Use
1	Yes	JOBCARD (Tailor to your site standards)
2	Yes	EXEC card. Must have a 6 character volume serial number passed as a parameter.
3	Yes	This is the library where **ASLUCAT** is located The STEPLIB can only be removed if the modules reside in LNKLST libraries.
4	No	The SYSPRINT DD card will contain the list of errant datasets on the passed volume. If omitted the list will be in the JOBLOG of the job.

3.2 Sample JCL

The following job stream demonstrates how to use **ASLUCAT** to investigate the VTOC on volume PROD01

```
//ASLUCAT JOB
//*ISPF EDIT OF ABBYDALE.DEVL.JCL(RUNUCAT)
//SCAN     EXEC PGM=ASLUCAT,PARM='PROD01'
//STEPLIB  DD   DISP=SHR,DSN=ABBYDALE.PROD.LOADLIB
//SYSPRINT DD   SYSOUT=*
```

The above job, because of the SYSPRINT DD card will produce the following output on our system:

```
                                    List of mis/uncataloged datasets on PROD01
                                    ------------------------------------------

 SYS1.VTOCIX.PROD01                              UNCAT
 ABBYDALE.ASLLIST.SOURCE.NEW                     UNCAT
 ABBYDALE.ASLLIST.LOADLIB.NEW                    UNCAT
 ABBYDALE.ASLLIST.MACLIB.NEW                     NO VOL
 SYS22246.T073338.RA000.ASLUCAT.R0100837         UNCAT
```

UNCAT denotes that the dataset named is not catalogued. It may be just a case of cataloging the datasets or deleting them if they are not required.

NO VOL denotes that the dataset name is catalogued to a different volume. In this case you need to either rename the dataset and catalog it or decide which dataset of that name is the correct one to keep and then delete the other.

The same JCL run without the SYSPRINT DD will produce the following:

```
JOB07789  IRR010I  USERID MIT001   IS ASSIGNED TO THIS JOB.
JOB07789  ICH70001I MIT001   LAST ACCESS AT
JOB07789  $HASP373 ASLUCAT  STARTED - INIT 1    - CLASS A - SYS SYS1
JOB07789  IEF403I ASLUCAT - STARTED - TIME=06.25.59
JOB07789  +SYS1.VTOCIX.PROD01                              UNCAT
JOB07789  +ABBYDALE.ASLLIST.SOURCE.NEW                     UNCAT
JOB07789  +ABBYDALE.ASLLIST.LOADLIB.NEW                    UNCAT
JOB07789  +ABBYDALE.ASLLIST.MACLIB.NEW                     NO VOL
JOB07789  +SYS22247.T062559.RA000.ASLUCAT.R0100042         UNCAT
JOB07789  IEF404I ASLUCAT - ENDED - TIME=06.25.59
JOB07789  -ASLUCAT  ENDED.  NAME-                      TOTAL TCB CPU TIME=   .00
JOB07789  $HASP395 ASLUCAT  ENDED
```

4 Messages

ASLUC01E

ASLUC01E - Missing parameter. Abend SOC3

Meaning

No parameter was passed to the program.

Corrective Action

Specify a parameter and rerun the job.

ASLUC02E

ASLUC02E - Parameter length error. Abend S0C3

Meaning

The parameter passed to the program must be a 6 digit volume serial number.

Corrective Action

Correct the error and rerun the job.

ASLUC03E

ASLUC03E - Volume not online. Abend S0C3

Meaning

The volume serial number passed to **ASLUCAT** is offline.

Corrective Action

Vary the volume online and rerun the job.

ASLUC04E

ASLUC04E - Dynamic allocate failed. Reason code in R4

Meaning

The program encountered an error whilst trying to dynamically allocate the volume. The DAIR code will be contained within register 4 on the dump.

The program will abend with an S0C3 abend.

Corrective Action

Investigate the DAIR reason code and, if required, please contact Abbydale Systems LLC for support if required. You will need to provide the program dump so we can investigate the issue.

ASLUC05E

ASLUC05E - Bad FORMAT4 found on *volser*

Meaning

The program was unable read the VTOC on the passed volume.

Corrective Action

This message indicates that there may be an issue with the volume passed to **ASLUCAT**. Please follow the site recommendation for diagnosing the volume.

ASLUC06E

ASLUC06E - UNABLE TO OPEN VTOC ON *volser*

Meaning

The program was unable to open the FORMAT4 dataset on the passed volume serial number.

This could indicate a corrupt VTOC on the volume.

The program will abend with an S0C3 abend.

Corrective Action

Run the site specified diagnostics on the volume to check for any potential errors.

Check the EREP records to see if there are any issues being reported for the pack.

Correct any errors and then rerun the job.

5 Summary of Amendments

Date	Version	Fix Id.	Comment
2nd September 2022	2.0	n/a	Release version.
17th June 1998	1.0	n/a	Initial program written

Obtaining Support

Support for, comments about and suggestions for enhancements for this product can be obtained from our website:

www.abbydalesystems.com

or by emailing us at

support@abbydalesystems.com

In order to assist us in filtering support emails please specify in the heading of the email the name of the product that you require support on.

Spam will not be tolerated at this email address.

Where source code is provided for the product, support will be on a 'best efforts' basis. Where the user site has modified the source code, support may entail requesting copies of that sites source code and may result in support being withdrawn if this is not provided.

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