
Find Member – z/OS application

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Introduction

The Find Member application allows you to find any PDS/PDSE member accessible from the system you are working on. The dialog allows you to browse, edit or view the member and the dataset – if you have the security rights to do so.

The user interface is built on ISPF, so provides a common look-and-feel.

The information is not real-time, but can get as close to it as the organisation deems necessary, typically the database is updated every day after midnight.

Datasets are located by volume, so catalogued as well as not catalogued datasets are found. Note that the physical dataset name is stored, not any dataset alias which might exist.

Refer to the WFMDOC member for more information about the process.

What is new in this build

2 new sub-dialogs - dataset view and volume view.

Using Find Member

The dialog command is WFMDIAGO. It can be started with the following parameters:

name member name
Dsn name Start with the dataset sub-dialog.
Vol name Start with the volume sub-dialog.

The member select/list panel

```
Find Member                               Row 1 from 63
Cmd => _                                   CSR
Membername IE*SYS*  name or name* or mask (mask chars % and *)
                    if mask in pos 1 then expect search to take a while
Linecmds: Info Browse Edit View Mbrlist Pdsmain
Member  Dataset                Volume User   Date   Cat
---    -
IEASYS  TCPIP.SVSC.INSTALL      ZDRES2 RALEY  19980317 Y
IEASYSAC ADCD.Z113.PARMLIB      ZDRES1 IBMUSER 20111204 Y
IEASYSAK ADCD.Z113.PARMLIB      ZDRES1 IBMUSER 20111204 Y
IEASYSAN ADCD.Z113.PARMLIB      ZDRES1 IBMUSER 20111204 Y
IEASYSAW ADCD.Z113.PARMLIB      ZDRES1 IBMUSER 20111204 Y
IEASYSAG ADCD.Z113.PARMLIB      ZDRES1 IBMUSER 20111204 Y
```

The panel is used both for entering a member name/mask to search for and to list the results.

Use the 'Membername' field for entering the name or name mask to search for. The following formats are supported

- Discrete name The full member name, i.e. AXR00
- Name with wildcards Use % for one-char and * for zero-or-none, i.e IE%SYS* or IE*SY*.
A word of caution, if the first character of the membername is a wildcard then the entire member database will have to be read, which will take some time.

The list section will list each matched member, with the following additional information:

- Dataset name.
- Volume where the dataset is.
- The id of the user who did the latest change (if sourcelib and ISPF statistics exist) or link options if loadlib.
- The date of the latest change if available. This is either from ISPF statistics, or the link date.
- Is the dataset cataloged
 - Y if dataset is cataloged to volume.
 - N if the dataset is not cataloged,
 - O if dataset is cataloged to another volume.
 - I if dataset is cataloged to the ipl volume.

Line commands

- B Browse the member.
- D Open the dataset dialog for the dataset.
- E Edit the member.
- I Info, show all available information for the member.
- M Open ISPF memberlist for the dataset.
- P Start PDSMAIN (PDS86) for the dataset. Only if PDSMAIN is installed.
- V View the member.
- VL Open the Volume List dialog for the volume.
- X Exclude line from display

Primary commands

- ALL Show all lines.
- Dsn name Open the dataset dialog optionally with a datasetname.
- EXclude text Do not show lines with 'text'.
- Find Find next line with 'text'.
- HELP Show the HELP screen.
- Only text Show only lines with 'text'.
- RESet Show all lines.
- SORT [names] Sort ascending by Mbrname, Dsname, Volser, Type, DAte or Size, or default.
- Vol name Open the volume dialog optionally with a volser.
- X text Do not show lines with 'text'.

The dataset select/list panel

```

Findmember dialog - Dataset list                               Row 1 from 2
Cmd => _                                                       CSR
Datasetname SYS1.FINDMBR.TEST.LOADLIB      name or mask
if mask in pos 1 then expect search to take a while
Linecmds: Info Browse Edit View Mbrlist Pdsmain
Dsname          Volser Cat Options
SYS1.FINDMBR.TEST.LOADLIB  Z27RS5  0  PO U 32756 32756
SYS1.FINDMBR.TEST.LOADLIB  Z27RS6  Y  PO U 32756 32756
  
```

The panel is used both for entering a dataset name/mask to search for and to list the results. It can be started from the member- and volume dialogs.

The list section will list each selected name, with the following additional information:

- Volume where the dataset is.
- Is the dataset catalogued
 - Y if dataset is cataloged to volume.
 - N if the dataset is not cataloged,
 - O if dataset is cataloged to another volume.
 - I if dataset is cataloged to the ipl volume.
- Dataset options, dsorg, recfm, lrecl and blksize.

Line commands

- B Browse the dataset.
- E Edit the dataset.
- I Info, show all available information for the dataset.
- M Open ISPF memberlist for the dataset.
- P Start PDSMAIN (PDS86) for the dataset. Only if PDSMAIN is installed.
- V View the dataset.
- VL Open the Volume List dialog for the volume.
- X Exclude line from display

Primary commands

- ALL Show all lines.
- EXclude text Do not show lines with 'text'.
- Find Find next line with 'text'.
- HELP Show the HELP screen.
- Mbr name Open the member dialog optionally with a membername.
- Only text Show only lines with 'text'.
- RESet Show all lines.
- SORT [names] Sort ascending by Dsname or Volser, or default.
- Vol name Open the volume dialog optionally with a volser.
- X text Do not show lines with 'text'.

The volume select/list panel

```

Findmember dialog - Dataset by volser list Row 1 from 57
Cmd => _
Volser Z27RS5 volser or volserex* or mask (mask chars % and *)
if mask in pos 1 then expect search to take a while
Linecmds: Info Browse Dsnschrn Edit View Mbrlist Pdsmain
Volser Dsname Cat Type Opts
--- Z27RS5 AUT410.SINGMOD1 Y L PO U 0 32760
--- Z27RS5 AUT410.SINGHREX Y S PO FB 80 27920
--- Z27RS5 DSE410.DSEACM Y S PO FB 80 5150
  
```

The panel is used both for entering a volume name/mask to search for and to list the results. It can be started from the dataset- and member dialogs.

The list section will list each selected volume, with the following additional information:

- Datasetname.
- Dataset catalog state:
 - Y if dataset is cataloged to volume.
 - N if the dataset is not cataloged,

- O if dataset is cataloged to another volume.
- I if dataset is cataloged to the ipl volume.
- Dataset type, L=loadlib, S=sourcelib.
- Dataset options, dsorg, recfm, lrecl and blksize.

Line commands

- B Browse the dataset.
- D Open the Dataset List dialog for the dataset.
- E Edit the dataset.
- I Info, show all available information for the dataset.
- M Open ISPF memberlist for the dataset.
- P Start PDSMAIN (PDS86) for the dataset. Only if PDSMAIN is installed.
- V View the dataset.
- X Exclude line from display

Primary commands

- ALL Show all lines.
- Dsn name Open the dataset dialog optionally with a datasetname.
- EXCLUDE text Do not show lines with 'text'.
- Find Find next line with 'text'.
- HELP Show the HELP screen.
- Only text Show only lines with 'text'.
- RESet Show all lines.
- SORT [names] Sort ascending by Dsname or Volser, or default.
- X text Do not show lines with 'text'.

Daily update

The update job extracts and processes SMF records type 15 (dataset update), 17 (dataset scratch), 18 (dataset rename) and 61 (catalog). The distribution library contains these 2 samples:

```
JDAILYH reads from SMF history dataset
JDAILYL reads from SMF logstream.
```

Whatever the method, the job structure is the same: extract SMF, delete all records relating to the datasets and add new records. The update job will log the date of latest extract so that the next run automatically continues where the last left.

The DATE= parameter is only used if you want to extract from a specific date range. The default is to read the xx.PARM member LASTDATE.

You can filter the disk volser selected by using the VOLSEL member in the PARM dataset.

If you need to restart the update job, you must review the LASTDATE member in the PARM lib. Set the 1st date value to the value after 'was:'.

Maintenance

- JDBDDORP Delete orphaned dataset records plus associated member records.

JDBDDUP	Delete duplicate dsn records and associated mbr records.
JDBMDORP	Delete orphaned member records.
JDBUPD	Add or delete records by various criteria.
JSYNCVOL	delete records when no actual volume, add records when when not in db

Installation

Extract the XMI transport dataset.

Unload the LIB dataset (you probably have done that already if you are reading this).

If you do not have either of the freeware programs PDSMAIN (PDS86), RXVSAMBA or VTOC installed, then run the job JMKLOADL to un-xmit the programs from the package lib to a loadlib, then update the WFMSTEPL member accordingly.

An alternate to PDSMAIN i.e. STARTOOL can be used by modifying the 'PDSMAIN=' parameter in the WFMSET member and the '\$pdsmain=' parameter in the WFMRXSET member.

Edit the WFMSET member according to notes in the member.

Edit the WFMSTEPL member as described above.

Edit and run the JMKPARML and JMKDBS jobs.

Edit and run the JDBUPD member with a number of ADDVOL statements. This will add data to the database using VTOC list as input. You might want to run the job several times with disk subsets, which will allow you to monitor the size of the databases as you go along. Or run the JSYNCVOL job to add all in one go. Note that a lot of SMF type 14 will be generated, one per dataset scanned.

Edit the WFMDIAGO member and EXecute it to try the dialog. Note that the RXVSAMBA program must be available.

See the WFMDOC member for additional information.

Ensure that SMF record types 15, 17, 18 and 61 are captured and kept.

Installation notes

The freeware programs are all found on the www.cbttape.org website as follows: PDS86 in file182, RXVSAMBA in file669 and VTOC in file112. The latest version of RXVSAMBA is also found here: <http://harders-jensen.com/wjtech/programs.html>

If you do not yet have an easy method for updating the ISPF command table(s) then take a look at the programs ISPCMDU and ISPCTE at <http://harders-jensen.com/wjtech/programs.html>

Upgrade

Run job JDBUPG06 to modify the key values in both databases.

Security considerations

The databases are read directly by the dialog, so must have universal access READ.

The userid for the update job must be able to read all PDS/PDSE datasets, so it is recommended that the userid has OPERATIONS attribute.

Contact

If you have questions, suggestions or find something that doesn't work then please send an email to me at willy@harders-jensen.com .