



ISPF Productivity Tool

This reference card was developed to assist customers who are new to the latest release of IBM's ISPF Productivity Tool product.

This card presents a limited subset of the entire command set of ISPF Productivity Tool. It is intended to provide quick answers to many of the "How do I..." questions a new user may have.

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How to get help with IPT

IPT?	See all Global IPT commands.
Assist (or A)	When in an object list, display all Object List commands available.
Assist <cmd>	When in an object list, display the syntax and examples of a specific command.
Assist (or A)	When in an MSL, display all MSL commands available.
Assist <cmd>	When in an MSL, display the syntax and examples of a specific command.

A complete set of ISPF Productivity Tool manuals can be

obtained, free of charge, from the IBM ISPF Productivity Tool website below:

www.ibm.com/software/awdtools/ispfproductivitytool

How to Build and Maintain an Object List

OL <DSNpat>	Build an object list from cataloged datasets. Example: OL IBM IPT . * . SIQILPA
OLC	Build an object list from multiple data set patterns. A menu is shown to enter multiple patterns.
OLDD <ddname>	Build an object list from data sets allocated to a specific DD name. OLDD lists all DD and data sets allocated to your ISPF session.
O/ or OL/ POPulate	Provide a pop-up menu to select what kind of Object List to build From an Object List command line, POPulate will provide a pop-up menu to select what kind of objects you wish to add to your existing Object List
SAVE	Save an Object List so it becomes permanent
O* or OL*	List all Object Lists. From this list you can: (S) – Select the object list (R) – Rename the object list (D) – Delete the object list
UPD	Update an object list. The Object List can be maintained using the ISPF editor
Alternative to UPD command:	/i insert a line /in insert n lines /d delete a line /dn delete n lines /dd delete consecutive lines /r replicate the line /rn replicate line n times /x hide a line /xn hide n lines /xx hide consecutive lines
OH or OLH	Build an object list from the last 100 data sets accessed
OLT <DSNpat>	Build an object list of Tape datasets
OLM <DSNpat>	Build an object list of Migrated datasets
OLVS	Build an object list of VSAM datasets
OLV <VOLpat> <DSNpat>	Build an object list from a VTOC. Uncataloged data sets are included.
OLG <DSNpat>	Build an object list from a list of Generation data sets
OLE <DSNpat>	Build an object list of PDSEs
OLDA <VOLpat>	List volume information

How to Display and Mask Objects in an Object List

Note: Some commands below, such as FILTER, temporarily mask OLIST lines. These lines will not be processed by the MAIN OLIST commands.

FILter <str>	Show only objects that match the Filter string.
REFresh or FILter * or RESet F FLIP	Remove Filter command; show all entries of the object list
REFresh or RESet X CLASS VOLUME	Show only objects that do not match the previous filter string. Remove Filter/Flip command; show all entries in the object list CLASS will display the data set type. VOLUME will display the data set volume. Use F6 to toggle between CLASS and VOLUME.
VALIDate	Access the z/OS catalog, and update the VOLUME or CLASS information shown in the object list
RESEt DEL	After the VALIDate command, the RESEt DEL command will remove entries tagged as "-NOT FND-" because they were not found in the catalog or the volume.
SORT <coll> <ord1> <col2> <ord2>	Sort object list by column name, (DSN, MEM, VOL, COM, CL, or TYP) Ascending or Descending sequence

Object List Settings

ISET O or SET O SHOWMIG ON/OFF/?	Initiate a panel to allow changes to Object List default actions. Control display of migrated datasets. Settings are retained between ISPF sessions.
SHOWCMD ON/OFF/?	Control display of TSO commands. Settings are retained between ISPF sessions.
DEF B/V/E	Set default action of line command "S" to Browse, View, or Edit.
Hotbar updates	When viewing an Object list, place your cursor under the heading Hotbar: Press Enter to open the Hotbar fields for changes.

Building Object Lists for System Data Sets

LISTSsys LINK	Build OLIST of all LINKLIST libraries
LISTSsys LPA	Build an OLIST of all Link Pack Area Libraries
LISTSsys APF	Build an OLIST of all APF libraries
LISTSsys PARM	Build an OLIST of all z/OS Parmlib libraries
LISTSsys ALL	Build an OLIST of all System

OLBK or OLBO	Data Sets above Build an OLIST of all BookManager data sets.	View Edit HDELETE	View a data set. See note above. Edit a data set. See note above. Delete migrated data sets without waiting for recall.	FLIP	10 (List members changed in last 10 days) Exclude all displayed member names and reveal all hidden members.
<u>Work with objects in an OLIST – Main Commands</u>					
Find <str> <kywd>	Find an object list entry. Keywords: ALL, FIRST, LAST, NEXT, PREV, WORD	HLIST	Display archived information about a data set.	REFresh	Refresh member selection list from directory
FindText <str> <kywd> or FT <str> <kywd>	Find Text in the list of sequential, PDS, or PDSE files in the object list. Keywords: ALL, FIRST, LAST, NEXT, PREV, WORD. Hexadecimal and DBCS finds supported.	MAPpds	Display a data map of a PDS library. In a PDS, deleted members are retained until the library is compressed. MAPpds depicts deleted members as synonyms.	RESet	Remove filters, unexclude excluded members, sort by member name, clear the rename field (feedback message), remove pending line commands, and overlaying text notes.
FindMem <memnm> <kywd>	Find a member in any of the PDS or PDSE files in the object list. Keywords: ALL, FIRST, NEXT	COPY	Copy selected members from a PDS or PDSE to another data set	SORT <field> <order>	Sort the MSL by NAME, LIB, VV.MM, CREATED, CHANGED, SIZE, INIT,MOD, or USERID
#f-#1 <line-cmd>	Line commands may be entered as Main commands, acting on many lines in the object list. #f is the line number of the first object or * (all objects). #1 is the line number of the last object or * (to end of the list) Example 1: 2-5 INFO - invoke "INFO" for objects #2 to #5 Example 2: 101 D - invoke "D" (delete) for object #101 Example 3: 23-* R - invoke "R" (rename) for all objects from #23 until the end of the list Example 4: * HRECALL - invoke command HRECALL for ALL objects	COPYALL MOVE MOVEALL ?<cmd> %<Exec>	Copy all members from a PDS or PDSE to another data set Move selected members from a PDS or PDSE to another data set Move all members from a PDS or PDSE to another data set Display a TSO command or CLIST with dataset object name and member. Example: ?LISTDS - display a panel with a LISTDS command ready for execution. Invoke a TSO CLIST or Rexx Exec on a dataset object. %MYCMD - execute Rexx or CLIST MYCMD on current dataset object.	UNFilter <all>	Remove the current filter, revealing the previous filter.
<u>MSL Main Commands</u>					
			COMPRESS <Lib1>... DSNname <dsn> EMPTY <lib1> ...	Compress a PDS. Switch to a new PDS or PDSE. Remove all members of a PDS or PDSE.	
			EXPDIR <lib> <BLOCKS blks> Find <mem>	Expand PDS directory to accommodate more members. Find (or locate) a member name. When the argument of FIND is unquoted, the FIND command locates the member name.	
			Find <txt> FindText <txt FT <txt>	Find text within first or all members. FIRST, ALL, PREV or LAST may be used to locate the text string. Hexadecimal or DBCS strings may be used with the FindText command.	
			Global	Provide a panel to invoke Global FIND or CHANGE commands, and override the GLOBAL settings during the operation.	
			Global <edit-command>	Issue an ISPF Edit command such as FIND or CHANGE on all or selected members. Example 1: GLOBAL FIND 'SYSIN' (Find 'SYSIN' in all members) Example 2: GLOBAL CHANGE 'SISIN' 'SYSIN' ALL (Change all members, all occurrences of 'SISIN' to 'SYSIN')	
			INFO	Display data set information for the library or libraries being processed.	
			Locate value <field>	Navigate to the MSL entry with the value in the identified field. Field defaults to member name. Example: L BAD - Navigate the member BAD or next member. Equivalent to FindText command	
			Locate 'text' Locate number	Navigate to the Nth, + or -	
<u>MSL Settings</u>					
			Confirm On/Off	Activate/deactivate the member- delete confirmation screen.	
			ISSET M or SET M SET G or ISSET G	Modify user defaults for the Member Selection List Modify user defaults for the GLOBAL command, or FINDTEXT command	
			TAILOR <Define> <?>	TAILOR will define and execute a string of MSL commands. TAILOR D – Define Tailor strings Example of Strings: FILTER CHANGED -3;SORT USERID (show only members changed in the last 3 days, sort list by userid)	
<u>MSL – Specifying a list of members</u>					
			Note: Some commands below, such as FILTER, temporarily mask MSL members. These members will not be processed by the MAIN MSL commands.		
			eXclude <name>	Remove one or more members from the MSL	
			FILter <field> <value> ...	Select members to be displayed. Example 1: FILTER *PAY* (List members with "PAY" Example 2: FILT CHANGED -	
<u>Work with Objects in an OLIST – Line Commands</u>					
A <dsn> C <dsn> F <dsn> EXPDIR <dsn> EMPTY <dsn>	Allocate a data set. Catalog the data set Free unused space Expand PDS Directories Remove all members of the PDS or PDSE data set				
Info <dsn> R <dsn> S <dsn>	Display information Rename a data set Perform default action on data set. (Browse, View, or Edit)				
U <dsn> Z <dsn> Tsocmd	Uncatalog the data set Compress the PDS data set Any TSO command with a data set as the first parameter can be entered as a line command. Example: HRECALL				
Browse	Browse a data set. Note: IPT can be customized to Browse, View, or Edit data sets such as DB2 tables or VSAM files, using products such as File Manager. Other data sets such as USS Files, or SCLM data sets can be browsed using IPT.				

#/+/- member of the MSL.
 Example 1: Locate 33 #
 SC <members> Issue SCLM requests on the
 <request> specified members.
 SCLMPARM Specify SCLM parameter
 defaults to be used with current
 project library type.

MSL Main Hierarchy Commands

An object list may identify an ISPF hierarchy, as shown below:

=Project Group1 Group2 Group3 Group4 Type
 The commands below are used for ISPF hierarchies.

Project Switch MSL to a library whose
 <projname> high level qualifier (the project) is
 different. Current library:
 DNET424.ADLAB.SOURCE. To
 change libraries to
 DNET328.ADLAB.JCL, use
 PROJECT DNET328
 LIB <num> <grp> Change the ISPF/PDF library
 concatenation to a different
 Group, or add a new library to
 the concatenation.
 TYPE <type-name> Switch MSL to process a library
 whose type is indicated by this
 command. Current library:
 DNET424.ADLAB.SOURCE. To
 change libraries to
 DNET424.ADLAB.JCL, use
 TYPE JCL

MSL Line Commands

A (alias) Create a member Alias
 B (browse) Browse a member
 C (copy) Copy a member
 D (delete) Delete a member
 E (edit) Edit a member
 H (where) Show in which libraries
 member(s) reside
 I (ISPEXEC) Issue an ISPEXEC command
 J (submit) Submit the member to batch
 K (SCLM) Issue SCLM requests such as
 BUILD, DELETE, INFO, LOCK,
 PARSE, PROMOTE, MIGRATE
 or UNLOCK
 L (Load Map) Display Load module information
 M (move) Move a member
 P (print) Print a member
 R (rename) Rename a member
 S (select) Perform Default action on a
 member (Browse/View/Edit)
 T (TSO) Issue TSO command with
 Member as the first argument
 V (view) View a member
 W (preview) Preview a member
 X (exclude) Remove a member from the
 MSL list.
 Z (stats) Create, list or remove statistics
 for a member
 = (repeat) Repeat previous command
 % (Clist/Rexx) Execute a Rexx or CLIST

command

[IPT History Command List](#)

IPT automatically saves last 100 TSO commands. The
 commands below are available using option 6.

/IS Switch to ISPF option 6
 /EH Edit History Command List
 /EP Edit Permanent Command List
 /SAV Save TSO command History
 /RES Restore TSO command History
 /P Switch to IPT Permanent
 Command List
 n Execute the Nth command
 ?n Display the Nth command

[IPT Permanent Command List](#)

Save up to 100 permanent TSO commands. When in the
 permanent command list (/P), the following commands
 are available:

/EP Edit Permanent Command List
 /SAV Save Permanent Commands
 /RES Restore Permanent Commands

Anywhere in TSO, the following commands are available:

EX? Switch to the Permanent
 Command List
 TSO ? Switch to the History Command
 List
 TSO n Execute the Nth Permanent
 Command
 EXn Execute the Nth Permanent
 command.
 (n is 1 through 9)
 TSO = or Display the last command
 EX=

[Point and Shoot](#)

IPT provides for cursor-activated functions for many of
 the commands. Two methods may be used to invoke
 Point and Shoot commands:

- Type the command, place your cursor on the
 field and press ENTER.
- Assign a PF key to an IPT command. Then
 pace your cursor the field and press the
 assigned PF key.

Example 1: Sort
 using an MSL or
 OLIST column

Example 2: List
 VTOC Info
 Enter OLI on command line and
 place cursor on displayed data
 set, and hit ENTER.

Example 3: Edit,
 Browse or View a
 dataset whose name
 is displayed
 Enter BR or VI or ED on
 command line, place cursor on
 displayed data set and press
 ENTER.

[Restore Deleted PDS members](#)

To restore deleted
 members:
 Use the MSL command **MAP** to
 list all members and deleted
 members. Next, view and
 restore the deleted members
 using the **V** and **R** MSL line
 commands. When finished

restoring, use PF3 to exit from
 MAP mode and rename the
 restored members to the desired
 names.

[Customizing IPT](#)

ISET

Type ISET from any panel to
 change IPT default behavior of
 any of the categories below:
 MSL, OLIST, GLOBAL, PRINT,
 DSLIST, TSO, EDIT,
 INTERFACE, DIAGNOSE,
 LIBRARY, BOOKMGR

[IPT Glossary](#)

OLIST

Object list: An Object List is a
 series of references to your data
 stores. An Object List may
 contain sequential, VSAM, PDS,
 or PC files, DB2 tables,
 imbedded OLISTS, SCLM
 hierarchies, Panvalet or Librarian
 files, Unix System Service files,
 DD name references, and user
 defined processes. OLISTS may
 be temporary or permanent.
Member Selection List: A
 member selection list is similar to
 the ISPF member list presented
 when opening a PDS or PDSE.
 However, an IPT Member
 Selection List provides
 enhancements, which perform
 complex functions, minimizing
 keystrokes and navigation
 required to perform a task.

MSL

[Troubleshooting](#)

*No IPT commands
 are recognized*

Try **IPTON** (or **IPT ON**) from the
 primary option menu. F3 to
 invoke IPT

[Notes:](#)
