

# IOF

## Interactive Output Facility Quick Reference Summary

Release 8F

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### Key to using this quick reference

Commands are in **Bold type**. Upper case letters show the minimum abbreviation. Optional operands are shown in brackets ([ ]). Optional values are separated by slash (/), and default values are underlined. "nnn" represents a numeric operand. "m1", "m2", etc. represent menu numbers.

### Common Primary Commands

These commands are available on all IOF panels and will normally be available on PF Keys.

<b>HELP</b>	Help for the current panel
<b>END</b>	Go back to higher level panel
<b>RETurn</b>	Go back to <i>IOF Job List Menu</i>
<b>EXit</b> or <b>X</b>	Exit mainline IOF
<b>RIght</b>	Scroll right
<b>LEft</b>	Scroll left
<b>Up</b>	Scroll up
<b>Down</b>	Scroll down

### Jump Function and Logical Line Delimiter

Slash (/) is the IOF jump key and may be used from any IOF panel. Slash alone always returns to the *IOF Option Menu*. The slash may be followed by an IOF primary option.

The period (.) is used as a logical line delimiter. Multiple IOF commands may be entered on the same input line if separated by a period (.).

### Line Commands using Menu Numbers

IOF line commands optionally can be entered in the COMMAND area by entering the menu number(s) or menu number range, followed by the command. For example:

**2 4 7-9 C**

cancels items 2, 4, and 7 through 9.

### IOF Option Menu

The primary options are defined on the *IOF Option Menu*. The options each user is authorized to use are listed on the *Option Menu*.

All primary options can be followed by a question mark (?) to produce a more detailed option menu. For example, entering *"/G?"* from any IOF panel displays the *Output Group Selection Menu*.

### Over-typing Display Fields

IOF allows changes to a job, dataset, group, and device characteristics by over-typing panel fields. Over-typeable job characteristics include class, priority, and destination. Forms, destination, and class are examples of output group over-typeable characteristics. All device and held data set characteristics are over-typeable.

### Other Primary Options

The commands below are available on the *IOF Option Menu* but are not displayed on the panel in the list of available options.

<b>CUR</b>	Select the current TSO session
<b>MAINT</b>	Run the IOF maintenance dialog
<b>NEW</b>	Show new features of this release
<b>JOBnnnn</b>	Select job with jobid Jnnnn
<b>STCnnnn/TSUnnnn</b>	Select STC or TSU nnnn

### Generic ParmS

Plus (+) is a one-character wildcard in jobname and scope fields, and the asterisk (\*) is a wildcard terminator.

### Global commands

Global commands can be issued from any IOF panel:

<b>PREFIX [jobname]</b>	Save generic jobname prefix in profile
<b>OWNER [userid]</b>	Save owning userid in profile
<b>DEST [routeede]</b>	Save global destination in profile
<b>SYSID [sysid]</b>	Save SYSLOG system id in profile
<b>Every n [cmd]</b>	Refresh display every n seconds; with optional command

The question mark (?) can be entered as a line command on any IOF panel to get more detailed information about the task, job, group, data set or device being displayed. Most line commands can be followed by question mark to get a more detailed panel.

### Job List Menu and Output Group Display

#### Primary Commands

<b>RC [CUR] [N] [SA/SD]</b>	Display highest return/abend code
<b>EXCLude field operator value</b>	Exclude jobs
<b>UNEXCL field operator value.</b>	Reverse of EXCL
<b>SORT [field 1 A/D field2 A/D field3 A/D field4 A/D Sort FIELD]</b>	Determine field name under the cursor
<b>ALTVIEW</b>	Display an alternate view of the panel
<b>CUT/PASTE/ARRANGE</b>	Customize the panel columns
<b>FIND value [field(fieldname)] [section(sectionname)][]</b>	Find value in field and optional section
<b>EXTEND</b>	Display additional job/group information
<b>SS/SD</b>	Define target sysout or MVS snap data set
<b>SNAPCLOS</b>	Close and free snap target data set
<b>SNAPTEXT</b>	Add text to SNAP target data set
<b>SNAPPAN</b>	Snap a copy of the panel
<b>OFFLOAD</b>	Offload all jobs on <i>Job List Menu</i>

#### Line Commands

<b>?</b>	Job/group attributes panel for assistance
<b>S</b>	Select job/group for <i>Job Summary Panel</i>
<b>SQ</b>	Select quick display of sysout data sets
<b>B</b>	Browse entire job/group as one dataset
<b>C</b>	Cancel job/group; input jobs go to output
<b>A</b>	Release held job/group
<b>T (or blank)</b>	Modify over-typed characteristics
<b>PC</b>	Show why output will not print (print check)
<b>V</b>	View the job/group using a saved index
<b>X</b>	Exclude job/group from the display
<b>N</b>	Snap entire job/group
<b>CMT</b>	Add 40 chars. of comments
<b>HDR</b>	Add block header to SNAP target data set
<b>SEND</b>	Send job or group via email

The following commands are only valid for jobs.

<b>H</b>	Hold job
<b>PR</b>	Print job
<b>PU</b>	Purge job
<b>R</b>	Release job's held datasets
<b>ED</b>	Reconstruct and edit original job with ISPF editor
<b>SUB</b>	Submit another copy of the original job
<b>CDUMP</b>	Cancel running job with a dump
<b>E</b>	Restart a running job
<b>SJ</b>	Start input job immediately (goal mode only)
<b>DUMPCB</b>	Dump control blocks for job

The following commands are only valid for groups.

<b>W</b>	Set OUTDISP=WRITE
<b>H</b>	Set OUTDISP=KEEP
<b>K</b>	Set OUTDISP=KEEP
<b>L</b>	Set OUTDISP=LEAVE
<b>PROF</b>	Set addressing info from the profile
<b>OPER</b>	Put group on operator hold

### Job Summary Panel

#### Primary Commands

<b>Browse</b>	Concatenate all datasets of job for browse
<b>INPUT [ON/OFF]</b>	Display input datasets
<b>EDit</b>	Reconstruct and edit job with ISPF editor
<b>PC</b>	Show why job will not print (print check)
<b>REFRESH</b>	Update display; useful with running jobs
<b>SD</b>	Define an MVS target snap dataset
<b>SS</b>	Define a spun sysout target snap dataset
<b>SNAP</b>	Snap entire job to target data set
<b>SNAPCLOS</b>	Close the snap data set
<b>SNAPTEXT</b>	Add text to snap target data set
<b>EXCLude fieldname oper value</b>	Exclude steps and/or datasets from the panel
<b>UNEXCL fieldname oper value</b>	Return excluded
<b>VIEW * [INDEX(index.dsn)]</b>	View job using saved index
<b>SNAPPAN</b>	Snap a copy of the panel
<b>SEND</b>	Send a copy of the job by email

#### Line Commands

<b>?</b>	Display dataset attributes panel
<b>S or B</b>	Select dataset for browse
<b>F</b>	Format a graphics page mode data set
<b>C</b>	Cancel a held dataset
<b>R</b>	Release a held dataset
<b>N</b>	Snap a copy of the dataset
<b>P</b>	Print an exact copy of the dataset
<b>M (or blank)</b>	Modify over-typed dataset characteristics
<b>X</b>	Exclude a dataset from the display
<b>ED</b>	Edit a copy of data set with ISPF editor
<b>BI</b>	Build a data set index
<b>LIST</b>	List the data set to a line mode terminal
<b>CG</b>	Cancel all data sets in an output group
<b>MG</b>	Modify all data sets in an output group
<b>PC</b>	Show for why group will not print (print check)
<b>SS</b>	Open snap target like this data set
<b>HDR</b>	Add block header to snap target data set
<b>RG</b>	Release all sysouts in held group
<b>H</b>	Set OUTDISP to HOLD
<b>W</b>	Set OUTDISP to WRITE
<b>K</b>	Set OUTDISP to KEEP
<b>L</b>	Set OUTDISP to LEAVE
<b>SB</b>	Browse with ISPF browse
<b>COMP</b>	Compare sysout to another data set
<b>SEND</b>	Send the sysout data set via email

**ALLOC DDNAME(ddname) [LRECL(lr)] [BLKSIZE(bk)] RECFM(rf)** Allocate data set for external use

Follow any line command with question mark (?) to see a more detailed option panel.

## IOF Browse

IOF browse is very similar to ISPF browse except that IOF displays your data as it would appear on the printed page. IOF browse, therefore, has several unique commands to deal with printed pages and other IOF differences.

### Unique IOF Browse Commands

- Next** Browse the next sysout dataset
- PREVIOUS** Browse the previous sysout dataset
- SNAP** Snap a copy of the current screen
- SNAP [nnn Lines/Pages]** Snap nnn lines/pages from top of current screen
- .label** Establish a label
- Locate label** Reposition to a defined label
- Page nnn** Position to page nnn
- Line nnn** Position to line nnn on current page
- COMPRESS [ON/OFF]** Horizontal compression
- CONDENSE [ON/OFF]** Vertical compression
- DISPLAY [CC/NOCC]** Carriage control display
- SI [DA(index.dsn)]** Save the browse index for later reuse with the VIEW command
- INDEX [/indexname]** Display index/indices
- DEFINDEX /indexname [title]** Define an index
- DEFENTRY /indexname indexitem** Define an index entry
- BI** Build a data set index
- EDit [nnnn]** ISPF edit nnnn records from top of screen
- TEXTREF** Lookup word under cursor in Bookmgr

## Device List Menu and Initiator Display

See the *Job List Menu* description of the **EXCLUDE**, **SORT**, **FIND**, **FIELD** and **LOCATE** primary commands which also function on the *Device List Menu* and *Initiator Display*.

Enter 'S' line command to display the *Device Detail Menu* for a device. All valid JES2 commands for the device can also be entered as line commands. Device characteristics and initiator classes can be over-typed directly on the *Device List Menu* or on the *Detail Menu*.

## IOF Server

Enter 'AT' to determine names of available IOF servers in your sysplex.

## IOF SNAP

The SNAP facility allows you to copy all or parts of sysout dataset(s) to any non-vsam dataset. SNAP can be issued from the *Job List Menu*, *Output Group Display*, *Job Summary Panel* or from *IOF Browse*. By default, snap output is routed to your default print destination and sysout class. The SS and SD commands can be used to override the default and explicitly define (allocate) the target snap dataset.

If the SS and SD commands are issued from the *Job List* or *Output Group Display*, the target data set remains open until another SS, SD or SNAPCLOS is issued or until the IOF session terminates. When issued from *Job Summary Panel* or *Browse*, the target data set remains in effect until another SS, SD or SNAPCLOS command is issued or until the review of the current job is terminated.

The SNAPTEXT command will add text to the target snap data set. SNAPHDR adds block text to the target.

## System Log or Sysplex Operlog

The 'LOG' option enters **Syslog** or **Operlog** browse. While browsing a log, enter 'L hmmm' to locate a specific hour (hh) and minute (mm). Enter 'IND' to display the *Data Indices Menu* of indexed SYSLOG events. Then, select specific indices and indexed events.

'LOG O' jumps to **Operlog**. 'LOG S' jumps to **Syslog**. 'LOG O -1' jumps to yesterdays Operlog. 'LOG OLD' shows menu of old logs.

Enter '<cmd' to issue JES2 and MVS commands and automatically scroll to the command you issued in the log.

The ACTION command controls display of action messages at the bottom of the log display. ACTION parameters are:

- OFF** Remove all action messages
- DISABLE/ENABLE** Enable or disable
- DEFAULT** Set group default
- MVS** Add route codes 1-12
- USER** Add route codes 13-28
- ALL** All route codes 1-28
- n,m...** Add specified route codes

## Personal Extended MCS Console

Enter **CONSOLE** (or **CN**) from any IOF panel to invoke the IOF personal console. Alternately, enter **\$jes2cmd** or **#mvscmd** to issue a JES2 or MVS command and automatically invoke the console. Enter **MVS** for panel for long command

### Additional Console Commands

- AUTOCON ON/OFF** Enable/disable automatic console; can be issued from any IOF panel; saved in profile
- AUTOROUT sysid** Automatically route all commands to another system in the sysplex
- MFORM [M/S/J/T]** Control message format
- ROUTcde [NONE/ALL/ADD/DEL] [codes]** Additional route codes to be displayed
- DC** Display console status
- Clear** Clear all commands and messages
- CNSICMD # command [DELETE]** Set 1 to 9 commands to be executed each time console is initialized
- CNSKEEP** Leave console active on exit
- CNSCROLL [ON/OFF]** Automatic console scrolling

## Miscellaneous Global Commands

The commands below can be entered on any IOF panel when authorized.

- TS** Popup window for entering long TSO commands
- MVS** Popup window for entering MVS/JES2 commands
- SR** System requests panel
- < mvscmd** Issue MVS command, find response in SYSLOG
- QT** IOF quick trainer tailored to each user
- NEW** New features for this release of IOF
- WHO** Information about your session
- DVAR [varname]** Display IOF variable(s)
- INFO** Rexx and Clist programmable interface info
- SHELF bm\_shelf** Bookshelf name
- AT server** Initiate an IOF server session
- MORE** Display information on additional commands

## Panel Customization

Each user can customize most IOF panels. Enter 'CUT' with the cursor pointed to an IOF field; then, move cursor to the target field and enter 'PASTE'. The field will be moved after the target field; the change is saved in users profile. Enter 'ARRANGE DEFAULT' to reset to the default format.

- Unix Processes**
  - Enclaves**
  - Health Checker**
  - Workload Manager**
  - Job Classes**
  - Spool Volumes**
  - NJE Nodes**

### Primary Commands

- EXCLUDE field operator value** Exclude when field meets condition of operator and value; operators are **EQ**, **NE**, **LT**, **GT**, **GE**, **LE**, **CT**, **BG**, **NC**, **NB**
- UNEXCL field operator value** Reverse of EXCL
- SORT [field 1 A/D field2 A/D field3 A/D field4 A/D Sort FIELD]** Determine field name under the cursor
- CUT/PASTE/ARRANGE** Customize the panel columns
- SS/SD** Define target sysout or MVS snap data set
- SNAPCLOS** Close and free snap target data set
- SNAPTEXT** Add text to SNAP target data set
- SNAPPAN** Snap a copy of the panel

### Line Commands

Enter HELP or PF1 on the panels to see a list of available line commands for that panel.

## System Monitor

See the *Job List Menu* description of the **EXCLUDE**, **SORT**, **FIND**, **FIELD**, **LOCATE**, and **EXTEND** primary commands which also function on the *System Monitor*. Many line commands also function the same. The **EVERY** command can be used to automatically refresh the display.

### Line Commands

- S** Select task for *IOF Job Summary Panel*
- C** Cancel jobs
- B** Browse whole job as one data set
- X** Exclude task from the display