

## MVS/QuickRef Invocation Commands

Depending upon how it is installed, there are two ISPF commands which are used to invoke MVS/QuickRef:

### QW and QWS

The **QW** command invokes MVS/QuickRef as a "pop-up" application over the top of the current ISPF application and panel, and, when it terminates, the current ISPF application and panel are restored. The QW command can be entered on any ISPF panel. The **QWS** command invokes MVS/QuickRef on a new logical screen split.

## MVS/QuickRef Invocation Methods

There are three basic ways to invoke MVS/QuickRef:

**Method 1 - Menu-driven invocation:** Type **QW** or **QWS** with no operands and the cursor on a blank character to display the MVS/QuickRef main menu:

```
          * MVS/QuickRef - Main Menu *
Command ==>
```

Please enter one of the options listed below:

```
C - Request Reference Information by Category
R - Request Reference Information by Name
L - List Vendors, Products, and Releases
S - Request DASD Free Space Information
? - What's New with MVS/QuickRef?
X - Exit MVS/QuickRef
```

### Method 2 - Fast-path invocation:

Uses the **QW** or **QWS** command with a fast-path string to go directly to a display of the requested information, bypassing the menus.

The fast-path string invocation method is formatted as follows:

**QW I=**itemname

where itemname represents the desired item name to look up. The I= keyword is optional and is usually not needed.

For example:

**QW IEC145I** -would display information on system message id IEC145I

**QW S0C7** - would display information on system abend code 0C7

**QW P=JCL\* I=JOB** - would display information on the JCL JOB statement

**QW IEBCOPY** would display information on the IEBCOPY utility

**QW P=COB\* I=MOVE** - displays syntax for the COBOL MOVE statement

**QW IEC\*** - would list all item names beginning with the characters 'IEC'

**QW P\*** - would list all item names beginning with the character 'P'

You can refine the list of matching item names with these additional fast-path string components:

**V=vvv P=ppp R=rrr D=d**

where vvv is the vendor name  
ppp is the product name  
rrr is the release number  
d is the data base, with 'M' designating the main data bas or the digits 1 through 9 indicating a user data base  
Each fast-path string component is optional and may be specified in any order.

To request a vendor or product selection list, the fast-path string is formatted as:

**V=vvv P=ppp R=rrr D=d L=x**

where the V=, P=, R=, and D= components are as described above and L= must be specified as:

**V** for a list of products in **V**endor sequence, or **P** for a list of products in product sequence, or **O** for a list of vendors only

For example:

**QW L=V** - would list all products in vendor name order

**QW L=P** - lists all products in product name order

**QW L=O** - lists only the names of vendors in the data base

**QW V='CA Technologies' L=P** - lists all products in data base from vendor CA Technologies

**QW P=C\* L=V** - lists all products in data base whose names begin with 'C' in vendor name order

**QW V=IBM P=Z/OS\* R=V1R13 L=P** lists all IBM products in the data base for z/OS V1R13

To request a product category code display, the fast-path string is formatted as:

**C=ccc** - where ccc represents the product category code data; category codes are pre-defined by Chicago-Soft

For example:

**QW C=PROGLANG** would display the list of products in the data base that are associated with product category code PROGLANG

**QW C=\*** would display a list of all defined product category codes

### Method 3 - Cursor-driven invocation:

When you are using the QW command, if you place the cursor underneath any character string shown on any ISPF output display and press the QW PF key, MVS/QuickRef will use that character string as the item name to look up.

If you have an ISPF PF key equated to the 'QW' command, then all you have to do is place the cursor underneath the non-blank string on the ISPF output display screen and press your 'QW' PF key.

## MVS/QuickRef DASD FREE SPACE FACILITY

MVS/QuickRef has the ability to generate and display lists of online DASD volumes based on various selection and sorting criteria. Each DASD volume serial listed on a DASD free space display shows certain DASD characteristics for that volume (mount attribute, device type, density, etc.) as well as the number of free cylinders and tracks on that volume.

To request a DASD free space display, the fast-path string is formatted as:

**S=sss** (where sss represents a full or generic DASD volume serial, or a valid generic or esoteric unit name, a storage group name, a generic storage group name prefix ending in a colon, or the mount attributes PUBLIC, PRIVATE, or STORAGE, or SMSVOLS for only SMS managed volumes, or NONSMS for only volumes

For example:

**QW S=SCR101** - would produce a free space display for DASD volume SCR101

**QW S=SCR\*** would display information for all volume serials starting with 'SCR'

**QW S=3390** (would display all 3390 volumes

**QW S=PUBLIC** (would display all public volumes)

**QW S=\*** (displays free space information for ALL online DASD; use with caution!)

To request a list of all data sets on a particular DASD volume, the fast-path string is formatted as:

**QW N=volser** (Where volser represents the volume serial which is to be listed.)

For example:

**QW N=PUB101** would display all datasets on volume 'PUB101'

Once the DASD volume or data set list is displayed, you can sort it ascending or descending on any column number using the SORT command:

Example:

**SORT S 5 D** - sorts DASD volume display in descending order on column 5, the total free tracks on volume column

**Note:** DASD volsers can also be specified as a generic prefix (up to five characters ending in '\*',) and beginning with MVS/QuickRef R7.7, they can also contain the character '%' to represent any single character:

Example (R7.7 or higher):

**QW S=T%0%\*** - displays free space information for all DASD volumes whose volser start with T, contain any characters in the second and fourth positions, contain a zero in position two, and contain any characters in the fifth and sixth positions.

For MVS/QuickRef R7.7 and higher, you can exclude volume(s) from display by preceding the volser specification with a backslash character ('\').

Example:

**QW S=\T\*** - displays information for all online DASD volumes whose volsers do NOT begin with the letter 'T'.

### Setting a 'Textmark' Placeholder

MVS/QuickRef supports a 'Textmark' facility that lets you save a pointer to any location in the data base so that you can return to it for rapid display later. This feature is ideal

for use with those data base items you find yourself referring to often.

A Textmark is set using the command **SM n**, where 'n' is a number from 1 through 8 . MVS/QuickRef will save the current data base location inside your ISPF profile data set for later retrieval. If the display is within the text of an item or item list, the current scroll location within that item or item list is also saved.

Example:

Invoke MVS/QuickRef like this:

**QW V=IBM P='Z/OS FTP SUB-CMDS' R=V1R13**

to get a list of the valid FTP subcommands for z/OS V1R13; then enter the command **SM 1** to save a pointer to that location in the MVS/QuickRef data base for subsequent rapid retrieval.

At any point in the future, you can invoke MVS/QuickRef like this:

**QW T=1**

to go straight to the list of FTP subcommands you saved earlier.

If you forget what textmarks you have set, you can type the **LM** command to get a list of your current textmarks; you can then choose one from that list or delete a textmark in the list.

### Cut and Paste

You can CUT any item or item fragment that you are viewing with MVS/QuickRef and PASTE that cut text into any file you can edit with ISPF EDIT.

Example:

Invoke MVS/QuickRef like this:

**QW V=CHICAGO-SOFT P=TOOLBOX R=V1R1 IDCAMS-PRINT**

to see sample JCL you can use to PRINT a data set with IBM Access Method Services; while viewing that JCL, type

**CUT**

to cut the JCL, then go into ISPF edit on a PDS member and type the command

## !PASTE

to invoke the MVS/QuickRef program form edit macro that will PASTE that JCL into the PDS member.

### The QPRINT Command

You can print all or part of any MVS/QuickRef display using the **QPRINT** command. When the item or item list you want to print is on display, type **QPRINT** on the command line to print that item to the JES SPOOL. Type **QW QPRINT** to get a list of all the operands of the QPRINT command.

### Restoring the Previous Display

The END command (or a PF key equated to 'END') generally restores the previous MVS/QuickRef display (i.e., "backs up" one screen)

For example, from any one of the display request panels that are accessed from the main menu, the END command will take you back to the main menu. From the display which results when a selection is made from a selection list, the END command will return you to the display of that selection list.

### Terminating/Exiting MVS/QuickRef

You can terminate the current instance of MVS/QuickRef, no matter how it was invoked, and no matter which MVS/QuickRef panel is on display, by using the RETURN command (or a PF key equated to 'RETURN').

You can also terminate and exit the current invocation of MVS/QuickRef, when the main menu is on display:

- by using the END command
- by entering option 'X' on the main menu

### Using The Help Facility

Help for MVS/QuickRef is requested by specifying the HELP command, which can be specified on any MVS/QuickRef panel.

When specified, the HELP command displays a list of all the "help" items which are available for review.

You can select any item on the list produced by the HELP command in order to review the help information provided by that item.

Select the item named USING-HELP and it will provide a complete explanation of how to use the help facility.

### Batch Execution

```
//JS10 EXEC PGM=QWIKREF1,
// REGION=0K,
// PARM='fast-path
string'
//STEPLIB DD DSN=QUICKREF.LINKLIB,
// DISP=SHR
//QWPRINT DD SYSOUT=*,
// DCB=(RECFM=VBA,
// LRECL=300,
// BLKSIZE=6000)
//QWREFDD DD DSN=QUICKREF.DATABASE,
// DISP=SHR
//QWLICKEY DD DSN=LICENSE.KEY.DSN,
// DISP=SHR
//SYSHELP DD DSN=SYS1.HELP,DISP=SHR
//QWCMDSDD DD * (optional file)
```

The commands which are supported in batch and are read in from the QWCMDSDD file in the JCL are the following:

Command	Abbreviation
QINFO	QINFO
SORT	SO
GETNEXT	GN
GETPREV	GP
SEARCH	SE
QPRINT	QP

### List of all MVS/QuickRef Commands

The syntax for each valid MVS/QuickRef command is shown below:

**QINFO** - Obtain information about MVS/QuickRef:

Syntax: **QINFO**

**SORT** – Sort DASD free space display or DASD volume data set name list:

Syntax: **{SORT | SO}** col# {A|D}

**Get Previous** – retrieve previous item in table of contents order

Syntax: **GETPREV | GP**

**Get Next** – retrieve next item in table of contents order

Syntax: **GETNEXT | GN**

**Help** – Obtain help/tutorial information on MVS/QuickRef features and functions

Syntax: **HELP**

**Search** – Build item selection list showing items containing the specified character string

Syntax: **{SEARCH | SE} V=vendor P=product R=release I=itemname D=database**

**QPRINT** - immediate print all or part of item, item list, or QINFO output being displayed:

Syntax:

Format 1: **{QPRINT | QP} PROFILE**

Format 2:

**{QPRINT | QP} CLASS(c) COPIES(nnn) FORM(ffff) WRITER(wwwwwwww) FCB(bbbb) DEST(dddddddd,uuuuuuuu) CHARS(ccc1,ccc2,ccc3,ccc4) {HOLD|NOHOLD} {FOLD|NOFOLD}**

**FIND** – find text string in displayed output

Syntax: **{FIND | F}** 'string'

**RFIND** – repeat find for string previously specified by FIND command:

Syntax: **RFIND SETMARK** – establish textmark for subsequent retrieval later

Syntax: **SETMARK n | SM n**

Where 'n' is a number 1 through 8

**LISTMARK** – Display list of previously set Textmarks

Syntax: **LISTMARK | LM**

**FINDCODE** – locate a numeric code within an error message

Syntax: **{FINDCODE | FC}** code

**FINDSUBCODE** – locate a numeric code within a sublist associated with a code found by the previous FINDCODE command

Syntax: **{FINDSUBCODE | FSC}** code

**CUT** – Cut lines of text from MVS/QuickRef display

Syntax: **{CUT | C} {ALL | nnn} {APPEND}**

**PASTE** – Paste previously CUT text into file under ISPF Edit

Syntax: **{!}PASTE {KEEP}**

Note: Preceding exclamation point is needed if NOT LIBDEF'ing MVS/QuickRef PASTE command; type QW PASTE for more information.

**SLPROFILE** – Display your personal data base selection list profile definition panel

Syntax: **{SLPROFILE | SLP}**

Type QW cmdname for help with any of the above commands, e.g. **QW QINFO** or **QW GETNEXT**.

MVS/QuickRef © 2012 Chicago-Soft, Ltd.