MVS/QuickRef Invocation Commands

Depending upon how it is installed, there are two ISPF commands which can be 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:

```
QW Main Menu

Main Menu:
  * MVS/QuickRef - Main Menu

Please enter one of the options listed below:
  1. Request Reference Information by Name
  2. List Vendors, Products, and Releases
  3. Request DASD Free Space Information
  4. What’s New with MVS/QuickRef
  5. 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 [/Lname] [/Fv = V, P = P1, R = R1, D = D1] /Lx = L
```

- **Lname** - where itemname represents the desired item name to look up. The L= keyword is optional and is usually not needed.
- **V, P1, R1, D1** - operands as described above
- **Lx** - must be specified as:
  - **V** for a list of products in Vendor sequence, or P for a list of products in product sequence, or O for a list of vendors only
  - **P** for a list of products in Vendor sequence, or O for a list of vendors only

For example:

```
QW Lx = V - will list all products in vendor name order
QW Lx = P - lists all products in product name order
QW Lx = O - lists only the names of vendors in the data base
QW Lx = CA Technologies - will list all products in data base vendor CA Technologies
QW Lx = IBM - will list all products in data base whose names begin with 'C' in vendor name order
QW Lx = IBM P=Z/OS R=V1R13 L= will list 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:

```
QW /QWCA Technologies L=V /P=IBM P=Z/OS R=V1R13 L= will list 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:

```
QW /QWCA Technologies L=V /P=IBM P=Z/OS R=V1R13 L= will list all IBM products in the data base for Z/OS V1R13
```

For example:

```
QW = ('would display information on the z/OS Job statement.
QW = (maybe) would display information on the ISPF utility.
QW = PRDINFO =F4 = displays syntax for the COSDL MVS statement.
QW = SPP = I would list all item names beginning with the character 'I'.
QW = SP = I 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 = V = will display product number 'V' only.
```

For example:

```
QW = IBM P=Z/OS R=V1R13 /L = will list all IBM products in the data base for Z/OS V1R13
```

**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 screen, press the PF 0 key. MVS/QuickRef will use that character string as the item name to look up.

If you have an ISPF PF key entered 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=ss (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 using recoverable SMS)
```

For example:

```
QW = (would display all 3390 volumes
QW = (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 = NVolser (Where Volser represents the volume serial which is to be listed.)
```

For example:

```
QW = PUB101 will display all datasets on volume PUB101.
```

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

Example:

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

Note: DASD volser 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 'x' to represent any single character.

Example: (R7.7 or higher):

```
QW = S=TH*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 column(s) from display by preceding the volser specification with a backslash character (\).

Example:

```
QW = S=TV - displays information for all online DASD volumes whose volser 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 =IBM P=2/Z/OS FTP SUB-COMDS 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 an entry in the 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 =CHICAGO-SOFT P=TOOBOX R=V1R1 IDAMS-PRINT
```
to see example 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 POS member and type the command
IPASTE

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

Syntax: HELP

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

Syntax: (SEARCH | SE) V=vendor

P=product R=release I=filename

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 (CLASS) COPIES (nnn)

FORM (fffffff) WRITER (wwwwww)

FCM (cccc) DEST (ddddd.dd,uuuuuuuu)

CHARS (cccc,c,c,c,c,c)

(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 sub-list associated with a code found by the previous FINDCODE command.

Syntax: (FINDSUBCODE | FAC) code

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

Syntax: (CUT | C) {ALL | nnn} {APPEND}