



MVS/QuickRef Batch Commands

Like all good commercial ISPF software, MVS/QuickRef® can also be run in batch. And not in the TSO-in-batch mode where PGM=IKJEFT01 (or one of its entry points) is needed. Instead, use PGM=QWIKREF1.

When QuickRef® is executed as a batch job under z/OS, you can specify that any of the following QuickRef® commands be executed:

Command	Resulting Information Display in Batch
QINFO	Same information as QINFO command in ISPF environment
SORT	DASD free space information sorted as requested
GETNEXT	Next item in "content" sequence
GETPREV	Previous item in "content" sequence
HELP	Item selection list showing items belonging to the MVS/QuickRef help product
SEARCH	Item selection list showing items containing the specified character string
QPRINT	Immediate printing of the information currently available (based on either the fast-path string specified or other commands which may have been specified)

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Below is an example of the JCL used to execute MVS/QuickRef® in batch along with one or more batch commands:

```
//JS10 EXEC PGM=QWIKREF1, // REGION=0K,  
// PARM='fast-path-string' <-- optional fast-path string  
//STEPLIB DD DSN=quickref.linklib.dsn, <-- MVS/QuickRef linklib  
// DISP=SHR  
//QWPRINT DD SYSOUT=*, <-- optional printed output file  
// DCB=(RECFM=VBA,LRECL=133,BLKSIZE=6000)  
//QWREFDD DD DSN=quickref.database.dsn, <-- MVS/QuickRef main data base  
// DISP=SHR  
//QWREFDDU DD DSN=quickref.user.database.dsn, <-- optional user database  
// DISP=SHR  
//QWPARMS DD DSN=quickref.override.parmdsn, <-- optional overrides data set  
// DISP=SHR  
//SYSHELP DD DSN=SYS1.HELP, <-- optional TSO SYSHELP data set  
// DISP=SHR  
//QWCMDSDDD DD * <-- batch commands DD statement  
batch command 1  
batch command 2
```

As shown above, one or more batch commands can be specified (one per in-stream record) via the QWCMDSDDD DD statement. Each command and any required parameters should be formatted just as they would be if the command were being entered on the ISPF command line.

When a single command is specified, the information returned is the information relating to that specific command. When multiple commands are specified, the information returned is the information relating to the last specified command. The only exception to this rule is the QPRINT command; it causes immediate printing of the “currently available” information.

As an example of using batch commands, suppose you want to retrieve DASD free space information for all online DASD volumes and you want three different listings of the information sorted three different ways as indicated by the following three SORT commands:

- SORT 4 D (sorted by free DASD extent count, descending)
- SORT 4 A (sorted by free DASD extent count, ascending)
- SORT 5 A (sorted by free track count, ascending)

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MVS/QUICKREF®

The Key Solution to z/OS Problems

Here is an example of the JCL required to accomplish this:

```
//JS10 EXEC PGM=QWIKREF1,  
// REGION=0K,  
// PARM='S=*' <-- fast-path string requesting all DASD volumes  
//STEPLIB DD DSN=quickref.linklib.dsn, <-- MVS/QuickRef linklib  
// DISP=SHR  
//QWPRINT DD SYSOUT=*, <-- printed output file  
// DCB=(RECFM=VBA,LRECL=133,BLKSIZE=6000)  
//QWREFDD DD DSN=quickref.database.dsn, <-- MVS/QuickRef main data base  
// DISP=SHR  
//QWCMDSDDD DD *  
SORT 4 D  
QPRINT  
SORT 4 A  
QPRINT  
SORT 5 A
```

In this case, the first QPRINT command would print the listing resulting from the first SORT command. The second QPRINT command would print the listing resulting from the second SORT command. There is no need for a third QPRINT command because, as a default, batch processing always outputs the results of the last batch command in the QWCMDSDDD file.

For more information on batch commands, see the section on “Batch Commands” in Chapter Three of the MVS/QuickRef® User’s Guide.