

FOCUS Version 7.1 and higher  
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### Setting the FOCUS TEMP Disk on CMS

FOCUS will, by default, always use a real minidisk over a Shared File System (SFS) directory. Past experience has demonstrated that real minidisk performance is almost always better than SFS performance. However, SFS may perform better under certain conditions, for example when using RAID DASD or a dedicated shared file server, or when minidisk placement on the volume is not optimal.

Under these conditions, you may want to change the FOCUS default behavior. This technical memo discusses two ways to change the default behavior.

#### Using the QUERY DISK MAX Command to Choose the TEMP Disk

The following PROFILE FOCEXEC defines a variable &TEMP as 1 byte long, then calls the MAXDISK FUSREXX exec, passing this variable.

MAXDISK FUSREXX issues the QUERY DISK MAX command, using a simple pipe to capture the result in a variable and return the data back to FOCUS. The PROFILE FOCEXEC then issues the SET TEMP command using the value returned from MAXDISK FUSREXX.

The following is the PROFILE FOCEXEC:

```
-* PROFILE FOCEXEC is automatically executed at STARTUP
-SET &TEMP = 'A' ;
-SET &TEMP = MAXDISK(1,'A1') ;
SET TEMP = &TEMP
```

The following is the MAXDISK FUSREXX:

```
/* FusRexx exec which will return the mode of the minidisk with the */
/* largest amount of disk space available. */
/* Create a FUSREXX exec on any accessed disk which looks like this: */
```

```
Address 'COMMAND'
Trace 'N'
```

```
'PIPE COMMAND QUERY DISK MAX | DROP 1 | SPLIT | DROP 2 | TAKE 1 | ' ,
'VAR MAXMODE'
```

```
Return maxmode
```

#### Enabling QUERY DISK MAX in FOCUS

The original FOCUS routine used to determine which disk has the largest amount of free space was written before the QUERY DISK MAX command was implemented on CMS. This routine has been updated for Shared File System directories. When *no writeable real minidisk* can be found, the largest writeable Shared File System directory will be used. CSL routines are used to determine which writeable disk has the largest amount of free space. Each disk is checked in A thru Z order. If you would like FOCUS to use the QUERY DISK MAX command rather than determining this information for itself, the following GLOBALV command should be issued before entering FOCUS:

```
GLOBALV SELECT IBIPARM SET[P] QDISKMAX 1
```

Use SETP rather than SET in the GLOBALV command to make the setting permanent.

This GLOBALV command can be placed in:

- The SYSPROF EXEC to allow all users to use the new setting.

- Users' own PROFILE EXECs to make the setting local to their own virtual machines.
- The FOCUS EXEC. Starting with FOCUS Version 7.2, this command will be placed, as a comment, toward the top part of the EXEC. You will then be able to edit the FOCUS EXEC and uncomment the GLOBALV command if you want to issue it from this EXEC.

Issue the HELP GLOBALV command for information on the GLOBALV command. The permanent GLOBALV settings are saved in a file on the user's A disk named LASTING GLOBALV.