
FOCUS RELEASE 7.0 STATISTICS

Release 7.0.8 was created on 12/15/1997 and has no expiration date.

The installation guides for CMS and MVS/TSO have the following document numbers:

CMS	DN# 1000993.1294
MVS	DN# 1000994.1097

INSTALLATION AND OPERATIONAL CHANGES

In FOCUS Release 7.0, the following changes are noted relative to Release 6.8. All of these changes are described in detail in the new CMS and MVS installation guides.

CMS NOTES

- The NSS sizes for FOCUS, HLI and the DLL segments has been increased. The following increases have taken place for the non-shared portion (EW). The FOCUS non-shared part is now 4M. The HLI non-shared part is now 2M. The DLL non-shared part is now 6M. Please disregard the NSS definitions in the FOCDFSEG EXEC published in the CMS Install Guide, step 2.3, page 2-4. Please use the FOCDFSEG EXEC supplied on the distribution tape.
- VM/ESA 370 mode is not supported.
- FOCUS Release 7.0 CMS disk resource requirements have increased.
- A new NSS called DLLSEG loads modules from FOCLIB.LOADLIB into a saved segment, significantly reducing user storage requirements.
- The following storage matrix may be used for CMS FOCUS storage requirements:

	FOCUS	Maintain
Minimum	2700K	5200K
Recommended	5000K	6500K

MAINTAIN application developers using the WINFORM Painter should increase storage by approximately 1M.

Larger region sizes will be needed under the following conditions:

- For high-resolution graphics if GDDM is not installed in NSS, add about 512K.
- If you use FOCUS to access databases other than FOCUS databases.

CMS NOTES (cont'd)

- The Web390/VM Server is installed from a standalone tape which can be ordered through your local IBI Branch office. The Web390/VM Server is the Web server component of the VM Web Interface product. Refer to the *Web Interface User's Manual and Installation Guide* (DN1001038.1097) for usage and installation instructions.
- The FOCDFSEG install EXEC has changed. The NSS variable name and the variable for it's addresses has changed to TRWNAME and TRWADDR. Please see TM7948 for complete details.

MVS/TSO NOTES

- Release 7.0 MVS allocations have changed for FOCUS libraries.
- For National Language Support in this release, we document that the ERRORS pds be allocated with SPACE=(CYL, (20, 2, 30)). This SPACE allocation should be increased to SPACE=(CYL, (33, 2, 40)). If you intend to copy ERRNLS.DATA into the ERRORS pds, the allocation for the ERRORS pds must increase accordingly.
- Installation of FOCUS under MVS/SP Version 1 (MVS/370), VS1, or earlier versions of OS is no longer supported.
- The MVS installation was significantly changed for release 7.0.1. You may now install many more reentrant modules along with F\$ROOT in the Extended Link Pack Area (XLP A). Chapter 2 of the MVS Install Guide contains instructions on how to load these other modules into XLP A.
- The following storage matrix may be used for MVS FOCUS storage requirements:

		MVS		MSO	
		FOCUS	MAINTAIN	FOCUS	MAINTAIN
Minimum	(above)	4700K	7500K	3900K	4100K
	(below)	486K	486K	85K	85K
	Allres				
Recommended	(below)	310K	310K		
	Transient				
	(above)	5000K	8300K	5200K	6800K
	(below)	486K	486K	100K	100K
	Allres				
	(below)	310K	310K		
	Transient				

MAINTAIN application developers using the WINFORM Painter to create WINFORMs should increase storage by approximately 1M.

Larger region sizes are needed under the following conditions:

- If you use high-resolution graphics that require GDDM.
- If you use FOCUS Interfaces to access DB2, IDMS, ADABAS, IMS, etc.

The new linkage editor in MVS SP/5.1, BINDER, generates additional diagnostic messages which may be ignored. These messages have no negative impact on the link edit operation and should produce a condition code of 0. Examples of these messages are IEW2646I 4B07 ESD RMODE(24) CONFLICTS WITH USER-SPECIFIED RMODE(ANY) FOR SECTION xxxx and IEW2651I 511C ESD AMODE 24 CONFLICTS WITH USER-SPECIFIED AMODE 31 FOR ENTRY POINT xxxx.

This new BINDER has the same program name, IEWL, as the old linkage editor. If you don't want to use this version, the old linkage editor is available by executing HEWLKED.

IDMS Read Only Interface Installation Procedure - Please refer to Tech Memo 7902.4 when installing the IDMS Read Only Interface.

IDMS/SQL Interface Installation Procedure - Tech Memo 7927 replaces Appendix D of the IDMS/SQL Interface Read/Write Interface Users Manual. Please refer to Tech Memo 7927 when installing the IDMS/SQL Interface.

The Web390 MVS Server is installed from a standalone CD which can be ordered through your local IBI Branch Office. The Web390 MVS Server is the Web server component of the MVS Web Interface product. Refer to the *Web390 Developer's Guide and Installation Manual* (DN1001035.0597) for installation instructions for the server. Refer to the *Web Interface User's Manual and Installation Guide* (DN1001038.1097) for usage instructions.

MSO Installation Guide - Errata

The following changes should be applied to the MSO Installation and Technical Reference Guide Release 7.0 (DN1000966.0195).

Page 7-7, the JCL example in the middle of the page now reads:

```
//MSOGET DD DSN=PROD.MSO.MSOGET,DISP=SHR
//MSOPUT DD DSN=PROD.MSO.MSOPUT,DISP=SHR
```

Page 7-8, the bullet titled 'Change the CICS JCL' item number 4, now reads:

4. Add the MSOGET/MSOPUT DDnames. These are the communications datasets created above. The actual DDnames used should be the transaction id used for the MSO transaction, with "GET" and "PUT" appended to the name. For example, if you use transaction id "FOC," you would use DDnames "FOCGET" and "FOCPUT".

Page 7-8, the bullet titled 'Change the CICS JCL' item number 5, now reads:

5. If using a version of CICS which uses the OSCOR parameter, ensure that it is set to a large enough value. MSO needs at least 165K above current needs. Thus, the following might be added to the CICS JCL:

```
//DFHRPL DD DSN=prefix.MSO.LOAD,DISP=SHR,DCB=BLKSIZE=23476
//FOCLIB DD DSN=prefix.FOCLIB.LOAD,DISP=SHR
//ERRORS DD DSN=prefixERRORS.DATA,DISP=SHR
//MSOPUT DD DSN=prefix.MSO.MSOPUT,DISP=SHR
//MSOGET DD DSN=prefix.MSO.MSOGET,DISP=SHR
```

Page 7-11, the first JCL example in the middle of the page now reads:

```
//MSOPUT DD DSN=prefix.MSO.MSOPUT,DISP=SHR
//MSOGET DD DSN=prefix.MSO.MSOGET,DISP=SHR
```

Installation Instructions for the IDMS Interface in MVS

Please refer to Technical Memo 7902.4 for the complete installation instructions.

Update to the CA-IDMS/SQL Interface Installation procedure

Technical memo 7927 replaces APPENDIX D of the IDMS/SQL Read/Write Interface User's Manual and Installation Guide Release 7.0. Please use TM7927 to install the IDMS/SQL Interface which is available with FOCUS release 7.0.6

Increasing the Maximum Number of SU Users in MVS FOCUS

A sink machine has a table which contains the count of the number of active FOCUS users accessing it. The default maximum is 127 users. To increase the 127-user limit, edit member SESSCM of the dataset FOCCTL.DATA, and change the line that reads:

```
NUMSES EQU 256
```

Replace the number 256 using the following formula:

```
(maximum number of users * 2) + 1
```

For example, to enable a maximum of 200 FOCUS users, replace 256 with $(200 * 2) + 1$, or 401. Note that each number you add to the value 256 increases the virtual storage requirement of the sink machines by about 220 bytes. Each additional user increases the virtual storage requirement by about 440 bytes.

Do not change any other lines in this program. Save the edited member SESSCM in FOCCTL.DATA.

Assemble SESSCM from FOCCTL.DATA. Sample JCL follows:

```
//ASSEM EXEC PGM=IEV90,PARM='LIST,OBJ,NOALIGN'  
//SYSLIB DD DISP=SHR,DSN=SYS1.MACLIB  
//SYSUT1 DD UNIT=SYSDA,SPACE=(TRK,(30,10))  
//SYSUT2 DD UNIT=SYSDA,SPACE=(TRK,(30,10))  
//SYSUT3 DD UNIT=SYSDA,SPACE=(TRK,(30,10))  
//SYSPRINT DD SYSOUT=*  
//SYSPUNCH DD DUMMY  
//SYSLIN DD DISP=SHR,DSN=prefix.OBJ(SESSCM)  
//SYSIN DD DISP=SHR,DSN=prefix.FOCCTL.DATA(SESSCM)
```

Link SESSCM into FOCUS. Sample JCL follows:

```
//LINKFOC EXEC PGM=IEWL,PARM='LET,NCAL,SIZE=1024K'  
//SYSPRINT DD SYSOUT=*  
//SYSUT1 DD UNIT=SYSDA,SPACE=(CYL,(10,1))  
//SYSLMOD DD DISP=OLD,DSN=prefix.FOCLIB.LOAD <- FOCUS  
//MAINTAIN DD DISP=SHR,DSN=prefix.FOCCTL.DATA <- FOCCTL  
//OBJECT DD DISP=SHR,DSN=prefix.OBJ <- Assembled code  
//SYSLIN DD *  
INCLUDE OBJECT(SESSCM) <----- Assembled SESSCM  
INCLUDE SYSLMOD(HLISNK) <----- Module to be Changed  
INCLUDE MAINTAIN(HLISNK) <----- Linkedit Control Statements  
NAMES HLISNK(R) <----- New Module  
/*
```

NOTE: When the number of source machines has reached the maximum allowed by SESSCM, the source machine will receive the error:

```
(FOC528) SU. TOO MANY FILES OPEN ON THE CENTRAL DATABASE MACHINE.
```

Increasing the Maximum Number of SU Users for CMS FOCUS

A sink machine has a table which contains the count of the number of active FOCUS users accessing it. The default maximum is 127 users. To increase the 127-user limit, edit the file SESSCM ASSEMBLE on the FOCUS maintenance disk, and change the line that reads:

```
NUMSES EQU 256
```

Replace the number 256 using the following formula:

```
(maximum number of users * 2) + 1
```

For example, to enable a maximum of 200 FOCUS users, replace 256 with $(200 * 2) + 1$, or 401. Note that each number you add to the value 256 increases the virtual storage requirement of the sink machines by about 220 bytes. Each additional user increases the virtual storage requirement by about 440 bytes.

Do not change any other lines in this program. After you make the change to NUMSES, file SESSCM ASSEMBLE back onto the FOCUS maintenance disk.

Assemble SESSCM with the CMS command:

```
ASSEMBLE SESSCM.
```

NOTE: When the number of source machines reaches the maximum allowed, the source machine will get the error message:

```
(FOC542) SU. COMMUNICATION NOT AVAILABLE TO CENTRAL DATABASE MACHINE.
```

The HLIPRINT file will contain the message:

```
(FOC528) SU. TOO MANY FILES OPEN ON THE CENTRAL DATABASE MACHINE.
```

04/24/96

IBI Subsystem Requirements for MVS 5.2

This is to advise you of a problem that can occur with your version of FOCUS in the MVS environment.

Affected Software/Hardware Combination

MVS 5.2
IBI Subsystem

Problem

All FOCUS 7.0.1 and higher products using the IBI Subsystem under MVS 5.2 experience an Abend OC1 when initializing. The failing PSW is in low storage.

Problem analysis

The IBI Subsystem dynamically initializes its Subsystem name when the supplied module SUBSYSI is run. MVS 5.2 has a new feature for dynamically initializing subsystems. This new feature invalidates the mechanism used by SUBSYS1 to initialize its subsystem name. FOCUS servers that use the IBI Subsystem fail on startup when they attempt to communicate with the IBI Subsystem.

Problem Solution

Define the IBI Subsystem name to MVS 5.2 at initial IPL by adding the IBI Subsystem name, IBIS to the SYS1.PARMLIB member, IEFSSNnn. Below is an example of such an entry:

```
/*---+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6
IBIS                               /* IBI SYSTEM NAME */
```

The SUBSYSI utility still has to be run the START option to load and activate the IBI Subsystem.

Summary

Customers moving to MVS 5.2 using the IBI Subsystem or first time IBI Subsystem customers in an MVS 5.2 system can expect to experience the above described problem. Applying the solution completely overcomes the problem.

Installing the Personal Agent Host Interface from the MVS FOCUS tape

Step1

Use the JCL below to unload the SASC runtime library from the FOCUS tape:

```
JobCard
//COPYFPA4 EXEC PGM=IEBCOPY,REGION=4096K
//O1 DD DSN= prefix.IBISASC.C550.LINKLIB,DISP=(,CATLG,DELETE),
// DCB=(LRECL=0,RECFM=U,BLKSIZE=6144),
// UNIT=SYSDA,SPACE=(CYL,(5,1,25))
//I1 DD DSN=IBISASC.C550.LINKLIB,DISP=(OLD,KEEP),UNIT=CART,
// VOL=SER=tapename,LABEL=(5,SL)
```

```
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
COPY OUTDD=01,INDD=( ( I1,R ) )
/*
```

Step2

Change the FPAFOCUS member which has already been installed from the 7.0.7 tape in the production.qualifier.FOCCTL.DATA dataset. EDIT the FPAFOCUS member and change two things:

1. the prefix. to your HighLevelQualifier
2. the userid. to your User's LOGON ID, &SYSUID, or &SYSPREF

This FPAFOCUS member is the one that will be executed on the Procedure line of the Remote Connect window in FOCUS Personal Agent. In essence, this member will be starting a FOCUS session behind the scenes. If you require any other allocations at your site (such as specific MASTER or FOCEXEC PDS libraries) for run-time execution, concatenate or replace the dataset names in STEP2 of this member.

An example of the Procedure line in FOCUS Personal Agent:

```
ex 'production.qualifier.FOCCTL.DATA(FPAFOCUS)' 'client(%client%)'
```

See the FOCUS Personal Agent User's Manual for more information about FPAFOCUS and the direct TCP/IP connection.