

FOCUS Version 7.2 Statistics

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

CMS	DN# 1000993.1101
MVS	DN# 1000994.1101

Installation and Operational Changes

In FOCUS Version 7.2, the following changes are noted relative to prior releases of the product.

CMS Notes

- The License Management Facility (described in Tech Memo 7947.6) requires the version number of the model on which you will install FOCUS, and it also requires your site code. The version number is obtained by issuing '? CPUID' from the FOCUS prompt. FOCUS must be installed first because the CP command 'Q CPUID' doesn't display the model's version number. The site code can be found on the packaging containing your installation tapes. Contact Customer Support Services at 800-736-6130 for your site's installation zap string.
- The FOCUS EXEC distributed on the tape has been changed. We have removed support for the following options:
 - 'EX FOCUS PRINT 133'. This created a FILEDEF for ddname OFFLINE to the printer with LRECL 133. This must be done manually now via the FOCUS command OFFLINE CLOSE and CMS FILEDEF OFFLINE PRINTER (LRECL 133 RECFM UA BLOCK 133. The default LRECL for OFFLINE remains at 130 if no FILEDEF is provided.
 - 'FOCUS PGM'. Calling the FOCUS program from a user EXEC.
 - 'FOCUS RELEASE'. Release notes on current release. 'EX READMEF' instead for release notes.
 - 'FOCUS INFO <subject>'. Where subject is the filename and the filetype is MEMO. This would display the contents of the SUBJECT MEMO file on the screen.
 - 'FOCUS DESCRIBE CAR MASTER A'. This option would start FOCUS and create a report from the CAR Master File.
 - All the EDA related communication options.
 - 'FOCUS EXTENDER BEGIN/END'. This was used for the SQL/DS extender environment.

- Version 7.2 automatically sends a file named IBISNAP DUMP to your reader when an abend occurs in CMS FOCUS. This file should be sent to Information Builders when reporting a problem. It contains trace information that will be useful in debugging your problem.
- The NSS sizes for FOCUS, HLI and the DLL segments have 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 use the FOCDFSEG EXEC supplied on the distribution tape. The NSS variable name and the variable for its addresses have changed to TRWNAME and TRWADDR. Please see Tech Memo 7948 for complete details.
- VM/ESA 370 mode is not supported.
- FOCUS Version 7.2 CMS disk resource requirements have increased. The recommended size for the FOCUS production disk is now 75 CYLS.
- A new NSS called DLLSEG loads modules from FOCLIB.LOADLIB into a saved segment, significantly reducing user storage requirements.
- It is recommended that a storage region between 8 to 14 megabytes should be available to CMS FOCUS. 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.
- The Web390/VM Server is installed from a standalone CD, 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 *Web390/VM Developer's Guide and Installation Manual* (DN1001093.0799) for installation instructions for the server. Refer to the *Web Interface User's Manual and Installation Guide* (DN1001038.1097) for usage instructions.
- IUCV processing for the Simultaneous Usage facility in CMS has been enhanced as described in Tech Memo 7974, *Enhancements to IUCV processing in CMS SU*.

OS/390 and MVS Notes

- The License Management Facility (described in Tech Memo 7947.5) requires the version number of the model on which you will install FOCUS, and it also requires your site code. The version number is obtained by issuing '? CPUID' from the FOCUS prompt. FOCUS must be installed first because the MVS operator command, 'D M=CPU' doesn't display the model's version number. The site code can be found on the packaging containing your installation tapes. Contact Customer Support Services at 800-736-6130 for your site's installation zap string.
- The FOCUS SVC is no longer supported as a communications protocol for SU, MSO, and the BMP extension of the IMS/DB Data Adapter. The only supported protocol is the IBI Subsystem. Please refer to Tech Memo 7963.1 for details.
- Version 7.2 is shipped with the SAS C V6.5 runtime libraries. This data set is unloaded from the FOCUS tape at standard label 59. The space allocation for this dataset should be SPACE=(15476,(245,10,28)).
- The allocation for data set FOCLIB.LOAD must be changed prior to installing the transient version of the SAS C library. The number of directory blocks should be increased to 135. This change avoids any IEB148I errors during the IEBCOPY step of TRLIB JCL.
- The TRLIB JCL shipped with FOCUS 7.0.9 and above uses COPYMOD instead of COPY to copy and re-block the contents of SAS C library.
- Version 7.2 MVS allocations have changed for FOCUS libraries.
- For National Language Support (ERRNLS.DATA) the SPACE allocation should be increased to SPACE=(CYL,(40,5,90)).
- 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 Version 7.0 Release 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 OS/390 and 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) Allres	486K	486K	85K	85K
	(below) Transient	310K	310K		
Recommended	(above)	5000K	8300K	5200K	6800K
	(below) Allres	486K	486K	100K	100K
	(below) Transient	310K	310K		

MSO Notes

- Instructions for installing and using MSO are documented in the new *MSO Installation and Technical Reference Guide Version 7.2* (DN1000966.1101). Please see the section titled *MSO Installation and Technical Reference Guide - Errata* for corrections that should be applied to the manual.

Maintain Notes

- Maintain does not support the euro conversion functions.
- YRTHRESH and DEFCENT are now supported in Maintain at the file and field level.
- The following Date Subroutines are not supported in Maintain: CHGDAT, JULDAT, GREGDAT, YMD, MDY, DMY, AYMD, AYM, DA, DT, DOWK, and DOWKL.
- Maintain treats all date fields as Smart Dates. Specifically, FORMAT=I6YMD, which is an old date, will get changed internally to a Smart Date format of YMD.
- 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 Data Adapters 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.

Data Adapter Notes

- **Installation Recommendation** - When installing a data adapter, we recommend that you *do not* copy the data adapter load modules to FOCLIB.LOAD. The reason for this recommendation is that maintenance (patches or PTFs) must be applied to the original libraries. The PTF JCL is written for the original libraries, and copying the members of one library into another will cause the PTF installation to fail. Therefore, please concatenate the data adapter load library with FOCLIB.LOAD in the allocation for ddname FOCLIB or USERLIB in your FOCUS CLIST or in the allocation for ddname STEPLIB in your FOCUS JCL.
- **Adabas Data Adapter Installation Procedure** - The updated process for creating the FADALINK module to be reentrant when installing the Adabas Data Adapter with MSO or EDA is described in Tech Memo 7973.
- **Teradata Data Adapter Installation** - The REL parameter on the GENFDBC installation job has been modified to accept a Teradata version as well as the release. Please refer to Tech Memo 7953 for details. Also, an update to the AUTODBC installation on VM for Teradata V2R3 is described in Tech Memo 7971.
- **CA-IDMS Read Only Data Adapter Installation Procedure** - Please refer to the *FOCUS for S/390 CA-IDMS Data Adapter Installation Guide Version 7.0* (DN1001108.1299) when installing the CA-IDMS Read Only Data Adapter. Note that the data adapter now runs above the line. This is appropriate for customers running CA-IDMS 12.0 and above. CA-IDMS 10.2 will no longer be supported.
- **CA-Datacom Read Only Data Adapter Installation Procedure** - Please refer to the *FOCUS for S/390 CA-Datacom Data Adapter Installation Guide Version 7.0* (DN1000970.0400) when installing the CA-Datacom Read Only Data Adapter.
- **IDMS/SQL Data Adapter 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 Data Adapter.
- Please refer to Tech Memo 7976 for information about Oracle Data Adapter stored procedure support.
- The **Web390 MVS Server** is installed from a standalone CD that 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* (DN1001035.0600) for installation instructions for the server. Refer to the *Web Interface User's Manual and Installation Guide* (DN1001038.1097) for usage instructions.

- The **Web390/VM Server** is installed from a standalone CD, 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 *Web390/VM Developer's Guide and Installation Manual* (DN1001093.0799) for installation instructions for the server. Refer to the *Web Interface User's Manual and Installation Guide* (DN1001038.1097) for usage instructions.
- As part of the Year 2000 Project, date support in the **Model 204** and **IDMS Data Adapters** has been enhanced to include all valid FOCUS date formats and date literals.
- The **AUTOADBS** product has been enhanced in Version 7.0 Release 8R to support PREDICT Rel.3.4.1, and the main screen has been modified for easier readability. Several performance enhancements have also been made to the product; please refer to the new *ADABAS User's Manual and Installation Guide* (DN1001041.0698).
- **DB2 Data Adapter**, TSO ATTACH method only. FOCLIB.LOAD allocation to ddname STEPLIB is now required. Please check with product management for further details.
- If **DB2 Data Adapter** users get the following error message, make sure that the 'prefix.FUSELIB.LOAD' data set is allocated to ddname USERLIB in the FOCUS CLIST:

```
ERROR AT OR NEAR LINE nn IN AUTODB2  
(FOC283) IMPROPER USE OF 'GOTO'
```

DB2 and SQL/DS Interface Installation Guide - Errata

The following changes should be applied to the *DB2 and SQL/DS Read/Write Interface Installation Guide* Release 7.0 (DN1000937.0997).

- On page 2-3, the first line of the LOADIN DD card now reads:

```
//LOADIN DD DSN=FOCSQL.LOAD,DISP=SHR,
```

and the first line of the DATAIN DD card now reads:

```
//DATAIN DD DSN=FOCSQL.DATA,DISP=SHR,
```

MSO Installation and Technical Reference Guide - Errata

The following changes should be applied to the *MSO Installation and Technical Reference Guide* Version 7.2 (DN1000966.1101):

- On page 1-7, the first sentence of the last bullet now reads:
In the JCL used to start MSO, the partitioned data set allocated to ddname FOCEXEC has a member SHELPROF that will be executed for all users who log on.
- On page 5-2, the description of the EXTSEC parameter should now read as follows:

`EXTSEC = {YES|NO}`

where:

YES

Specifies the use of an external security system for validating access to MSO and to MVS data sets and resources. User Exit MSIDVER can effectively bypass External Security Verification. Each user receives a separate security profile. The MSO library FOCLIB.LOAD must be APF-authorized.

NO

Bypasses User Exit MSIDVER. All users inherit the security profile of the MSO region itself.

See Chapter 12, *MSO Security*, for further information. This command is mandatory in the configuration file; it does not default.

APF authorization is required for YES.

Default: None.

EXTSEC must be specified.

- On page 5-9, the userid lists for CONSOPER and CONSDTL are of the following form. Spaces are not allowed between userids:

`CONSOPER = userid,userid...`

`CONSDTL = userid,userid...`

DB2 and SQL/DS Interface User's Manual - Errata

The following changes should be applied to the *DB2 and SQL/DS Read/Write Interface User's Manual* Version 7.0 (DN1000048.0299):

On pages 8-19 and 11-9, the syntax for SQLJOIN OUTER should read:

```
SQL target_db SET SQLJOIN OUTER {ON|OFF}
```

where:

target_db

Indicates the target RDBMS. Valid values are DB2 or SQLDS. Omit if you issued the SET SQLENGINE command.

ON

Enables outer join optimization.

OFF

Disables outer join optimization. OFF is the default value.

Fusion User's Manual - Errata

The latest version of the *Fusion User's Manual for EDA 4.3 and FOCUS 7.1* (DN3700041.0800) is an online document contained on the FOCUS for S/390 Documentation CD Version 7.2 (DN1001066.1101). The following changes should be applied to the manual:

Loading Fusion Databases

The loading of a multi-partitioned Fusion database can be somewhat tricky in that CREATE FILE, MODIFY, and MAINTAIN are only able to utilize the top partition in the Fusion Access File. If you have only one partition for your database, there is no problem. If your database has several partitions, and each one has selection criteria specified on it, then the SmartLoad feature may be used to load the database (see documentation on SmartLoad below). For the database that has several partitions, but does not have selection criteria on all of them, the user has 2 choices for the load process. First, you can load the top partition without making any changes (since MODIFY/MAINTAIN will do this by default), then for subsequent partitions, the user can comment out the prior partitions using "-" in the Fusion Access File, which will make it seem as though the first uncommented partition is the "top" or "first" partition, which MODIFY/MAINTAIN will then load. The second choice is to have separate Fusion Access Files, each naming one partition and then you edit the Fusion Master File to specify the Fusion Access File that contains the partition you wish to load.