TIBCO FOCUS® for Mainframe Compatibility Information

March 2022

View compatibility information for TIBCO FOCUS® for Mainframe.

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End of Life Statement for FOCUS for Mainframe

FOCUS for Mainframe is currently supported at all release levels from FOCUS 7.0.8R to the current FOCUS 8207.27.0 release without planned end-of-life dates.

This level of support includes:

- Certification of FOCUS on new IBM operating systems.
- Certification of FOCUS with new versions of supported databases.

Extensive customer support for FOCUS issues and FOCUS related systems issues, including installation and migration.

We will continue to provide this support until operating system or database requirements force us to restrict our support level.

In addition, FOCUS for Mainframe versions 7.6.13M, FOCUS 7.7.09M, and FOCUS 8207.27.0 are in active development and new service pack releases are provided as needed.

Certification Status of FOCUS for Mainframe With IBM Operating Systems

The following charts indicate the certification status of FOCUS for Mainframe with IBM's z/OS, z/VM and MSO/FOCUS with z/OS and CICS.

z/OS (updated March 2022)

z/OS Operating System	FOCUS for Mainframe Release									
	8207[6]	7709[6]	7706	7703	76	73	72	711	709	708R
V2R5[1, 2, 3, 4, 5]	Certified	Certified	Certified	Certified	Certified	Certified [7]	Certified	Certified	Certified	Certified
V2R4[1, 2, 3, 4, 5]	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
V2R3[1, 2, 3, 4]	n/a	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified
V2R2[1, 2, 3]	n/a	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified	Certified

Note 1: BPX.DEFAULT.USER Advisory:

IBM has modified the way that a system service, BPX.DEFAULT USER, is implemented on the z/OS platform. The update which was originally intended to be released starting in z/OS 2.1 has been extended by way of PTFs to two (2) other operating systems, z/OS 1.12 and 1.13, to help those using BPX.DEFAULT.USER convert to BPX.UNIQUE.USER before migrating to z/OS V2.1.

Information Builders recommends that our customers (who utilize MSO and other Information Builders products which call the BPX.DEFAULT.USER macro via our use of the IBM LE compiler to obtain USS (Unix System Services) utilities like TCP/IP) read the IBM documentation on the following APARS and PTFs:

```
IBM z/OS 2.1    APAR      OA42554
IBM z/OS 1.13   PTF       UA69991
IBM z/OS 1.12   PTF       UA69990
```

The documentation instructs IBM customers how to implement RACF rules for those users who need to gain access to USS services using the new BPX.UNIQUE.USER macro. Failure to implement the new RACF rules or IBM maintenance may result in FOCUS error messages being issued.

Note 2: For z/OS release 2.2 and higher:

There are two FOCUS features that require APF authorization:

The FOCUS zIIP feature in FOCUS releases 7.6.10 and higher, 7.7.03M, 7.7.06M, and 7.7.09M.

The FOCUS MSO environment in FOCUS releases 7.6.13 and lower.

If your libraries are APF authorized via TSO, you may get the following message when issuing the FOCUS DYNAM COPY command:

```
(FOC870)  UNABLE TO COPY USER1.FOCEXEC.DATA, RFFFF-01
```

If you have the new z/OS maintenance, you will also get the following message when using DYNAM COPY from FOCUS running unauthorized via PGM=FOCUS:

```
(FOC942)  COPY/COMPRESS FAILED, IEBCOPY REQUIRES APF AUTHORIZATION
```

FOCUS for Mainframe has a fix for these issues included in FOCUS 7709M gen 1544, FOCUS 7.7.06M gen 941, 77.03M gen 787, and FOCUS 7.6.13 gen 538 and higher releases.	

Note 3: For z/OS releases 2.2 and higher:
Issue: The FOCUS ? PTF command, used in FOCUS releases 7.08R - 7.613 to determine the level of FOCUS maintenance, no longer works in a CLIST or batch JCL run "above the line."
Since the ? PTF command is used infrequently, Information Builders has decided not to distribute a PTF or Hotfix to remediate this issue because doing so could introduce instability in otherwise stable FOCUS releases.
Solution: When moving to IBM z/OS release 2.2 or higher, either retain an existing, or define a new, JES batch class that contains the parameter SWA=BELOW. With this parameter, a FOCUS batch job with the ? PTF command placed within the //SYSIN DD allocation will produce output in the JESLOG that reports the FOCUS maintenance level. Information Builders does not suggest changing your site's TSO environment in order to run this command from a CLIST.
Note 4: If you upgrade your IBM operating system release to z/OS 2.3 or higher, you must apply maintenance to your FOCUS release. This maintenance (distributed as Information Builders PTF 322396) is required for FOCUS releases 7.0.8R, 7.0.9, 7.1.1, 7.2.1 through 7.2.11, 7.3.1 through 7.3.12, and 7.6.1 through 7.6.13 when run on z/OS 2.3 or higher. For details about the issue, and instructions for ordering the required PTF, see *Required Maintenance for FOCUS When Upgrading to IBM z/OS 2.3 or Higher*.
Note 5: As of zOS 2.4, IBM no longer allows the use of ALLOWUSERKEYCSA = YES. This represents a potential security hole. As of zOS 2.4, the only allowable setting is NO. This requires the installation of the latest IB FOCUS subsystem, which was made available as a PTF in the 76 release. The subsystem is used by the sink machine. Failure to upgrade will result in an abend. This new subsystem is totally compatible with previous FOCUS versions and can be installed and used prior to zOS 2.4 upgrade. For more information, see *TM8062: Required IBI Subsystem Maintenance for z/OS 2.4*.
Note 6: Please note that unlike previous versions, FOCUS 7709 is a full 64-bit release. It is delivered in extended format. Please review the Summary of New Features and the Release Notes for additional information.
Note 7: TIBCO FOCUS 7.3.0 through 7.3.12 require a PTF zap to prevent an abend. Please contact TIBCO support to receive this zap.

z/VM (updated March 2022)

z/VM Operating System	FOCUS for Mainframe Release					
	7.6	7.3	7.2	7.1.1	7.0.9	7.0.8R
	Current Release					
V7R1	Pending	Pending	Pending	Pending	Pending	Pending
V6R4	Certified	Certified	Certified	Certified	Certified	Certified
V6R2	Certified	Certified	Certified	Certified	Certified	Certified

MSO/FOCUS z/OS and CICS (updated March 2022)

This chart indicates the certification status specific to MSO/FOCUS with IBM's operating systems. All requirements for FOCUS versions indicated above pertain to the following FOCUS product releases as well.

			CICS/MSO/FOCUS Release					
			7.6	**7.3**	**7.2**	**7.1.1**	**7.0.9**	**7.0.8R**
			Current Release					
CICS Transaction Server	5.2	z/OS V2R1 and z/OS V1R13	Certified	Certified	Certified	Certified	Certified	Certified
	5.1	z/OS V2R1 and z/OS V1R13	Certified	Certified	Certified	Certified	Certified	Certified

		MSO/FOCUS Release					
Operating System		**7.6**	**7.3**	**7.2**	**7.1.1**	**7.0.9**	**7.0.8R**
		Current Release					
z/OS	V2R2, V2R3, V2R4, and V2R5	Certified for Releases 7.6.5 and higher	Certified for Release 7.3.12	Certified for Release 7.3.11	Certified	Release 7.0.9 is certified when using APF authorized MSO libraries. Release 7.0.9 requires PTF 263006 when using non-APF authorized libraries.	Release 7.0.8R is certified when using APF authorized MSO libraries. If you intend to use non-APF authorized MSO libraries, please contact Customer Support to request that a PTF be created.
MSO/FOCUS does not take advantage of z/OS 64-bit processing. This support is being investigated for a future release.							

Database Adapter Compatibility for FOCUS for Mainframe (updated October 2019)

This chart indicates database adapters available for FOCUS for Mainframe for all supported FOCUS releases, unless otherwise noted.

Platform	Adapter	Maximum Version	Notes
MVS z/OS	ADABAS	8	
	Db2	12	7703M and 7706M are shipped for Db2 up to v10 and v11 respectively. To access Db2 v12, configure with the latest version shipped and run the IDB2BIND using the Db2 v12 load libraries.
	DATACOM	15	
	IDMS	19	
	IMS	14	
	IMS	15	DBCTL - 7.2.x and higher
	INFOMAN	7.1	
	MODEL 204	All Relevant	
	MILLENIUM	3	
	NOMAD	6.05A	
	ORACLE	10	
	SUPRA	All Relevant	
	TERADATA	All Relevant	
	TOTAL	All Relevant	
	VSAM	All Relevant	
VM z/VM	ADABAS	8	
	Db2	12	
	IDMS	19	
	NOMAD	6.05A	
	ORACLE	10	