

Fujitsu Software BS2000 VM2000

Version V12.0B

November 2023



Release Notice

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1 General	2
1.1 Ordering	2
1.2 Delivery	2
1.3 Documentation	3
2 Software extensions	4
3 Technical information	5
3.1 Resource requirements	5
3.2 Software configuration	5
3.3 Product installation	5
3.4 Product use	6
3.5 Discontinued functions (and those to be discontinued)	6
3.6 Incompatibilities	6
3.7 Restrictions	6
3.8 Procedure in the event of errors	6
4 Hardware requirements	7

1 General

This Release Notice is a summary of the major extensions, dependencies and operating information with respect to VM2000 V12.0B under the BS2000 operating system.

The release level is that of: November 2023.

This and other Release Notice(s) are available online at <https://bs2manuals.ts.fujitsu.com/>.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices of the previous versions must also be noted.

VM2000 is a virtual machine system that allows different, completely encapsulated system environments to be operated simultaneously on one system with a performance comparable to the "native" mode. Depending on the type of system, up to 32 BS2000 operating systems can be used simultaneously as guest systems.

VM2000 V12.0B can run on all released server units of the / 390 architecture (SU700B, SU710, SU730) as well as the x86 architecture (SU310, SU320, SU330).

1.1 Ordering

VM2000 12.0B can be ordered from your local distributors.

This software product is made available to the customer subject to the general terms and conditions of the software product use and service agreement in return for regular payments.

1.2 Delivery

The VM2000 12.0B files are supplied via SOLIS.

The following delivery groups are part of the VM2000 12.0B delivery scope:
VM2000-MON, VM2000-HPV, VM2000-UTIL

The following delivery components are required regardless of the HSI:

SYSMES.VM2000-MON.120	Message file for VM2000
SYSPAR.VM2000-MON.120.SSP	Parameter file for VM2000 Monitor
SYSRMS.VM2000-MON.120	RMS delivery set for VM2000 Monitor
SYSSDF.VM2000-MON.120	SDF syntax file for VM2000 Monitor
SYSSSC.VM2000-MON.120	Subsystem catalog for VM2000 Monitor
SYSENT.VM2000-UTIL.120	Enter file for VMDUMP
SYSLNK.VM2000-UTIL.120	Load library for VMDUMP
SYSMES.VM2000-UTIL.120	Message file for VMDUMP
SYSPRG.VM2000-UTIL.120	Program file for VMDUMP
SYSRMS.VM2000-UTIL.120	RMS delivery set for VMDUMP
SYSSII.VM2000-MON.120	Structure and installation information
SYSSII.VM2000-UTIL.120	files for installation with IMON

The following delivery components are only required on Server Unit /390 (SU /390):

SYSLNK.VM2000-MON.120	Load library for VM2000 Monitor
SYSPRG.VM2000-HPV.120	Program file for VM2000 Hypervisor
SYSRMS.VM2000-HPV.120	RMS delivery set for VM2000 Hypervisor
SYSSII.VM2000-HPV.120	Structure and installation information file for installation with IMON

The following delivery components are only required on Server Unit x86 (SU x86):

SKMLNK.VM2000-MON.120	Load library for VM2000-Monitor
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The current file and volume characteristics are listed in the SOLIS2 delivery cover letter.

1.3 Documentation

The documentation is available on the Internet at <https://bs2manuals.ts.fujitsu.com/>. There you will find both individual manuals and (under the "Softbooks" tab) the ISO image of a DVD with the entire inventory. The current issue statuses of this and other release notes can also be accessed there.

2 Software extensions

Only the extensions and improvements over the previous version VM2000 V12.0B are described in the following section.

VM2000 V12.0B corresponds functionally to VM2000 V12.0A. In addition to bug fixes, the production environment has been adapted to BS2000 OS DX V1.0B and maintainability has been improved.

The new SE730 server line is also supported, with a new hardware base for the Management Unit (SE SERVER MU M5), HNC (SE SERVER HNC M5) and NetUnit (Juniper EX3400-48T).

3 Technical information

3.1 Resource requirements

The following memory range is required for operation:

Real address space:	static for the VM2000 Hypervisor from 4 MB upwards depending on the IO peripherals. Up to 255 MB can be set via the parameter service (SU /390)
	static for the monitor system at least 512 MB (SU /390), 1024 MB (SU x86)
	static for the main memory required by the guest systems, at least 1024 MB per guest system on SU x86
Virtual address space:	approx. 0.8 MB static (in the monitor system) approx. 0.3 MB dynamic
Static disk storage space:	less than 10 MB
Dynamic disk storage space:	up to 20 MB on the user id SYSDUMP per an automatically created VMDUMP

3.2 Software configuration

VM2000 12.0B is executable in a monitor system BS2000 V21.0(B).

The following BS2000 systems can be used as guest systems:

- BS2000 OSD/BC V11.0B
- BS2000 OS DX V1.0(B)
- Self-loading systems (e.g. SLED) of the above versions of the operating system

ONETSERV from V4.0A and REWAS from V2.0C with the latest patches are required on all guest systems.

OMNIS or a corresponding DCAM application is required for the optional connection to \$VMCONS.

VM2000 V12.0B requires X2000 V6.4A at least on SU x86.

3.3 Product installation

The installation of the product VM2000 with the installation monitor IMON is mandatory. You must follow the information concerning installation in the delivery cover letter and in the product documentation.

The necessary inputs and the sequence of the installation are described in the IMON documentation.

3.4 Product use

All activities for VM2000 12.0B are described in the VM2000 12.0B manual.

Courses for VM2000 12.0B are offered by Fujitsu ([Fujitsu Training Academy Online \(docsaas.com\)](https://www.fujitsu.com/learning/online-learning)).

3.5 Discontinued functions (and those to be discontinued)

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3.6 Incompatibilities

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3.7 Restrictions

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3.8 Procedure in the event of errors

If an error occurs, the following error documents are needed for diagnostics:

- A detailed description of the error condition, indicating whether and how the error can be reproduced.
- The error must be reported to the appropriate service provider.

The documents to be provided are listed in the VM2000 V12.0B manual in the section "Error handling in VM2000".

4 Hardware requirements

VM2000 V12.0B can be operated on all released server units of the /390 architecture as well as the x86 architecture.

A management cluster and SU cluster must be set up for a live migration.

All peripheral devices that can be connected to the hardware and are supported from BS2000 OSD/BC V11.0B are supported.