



Fujitsu Siemens Computers GmbH

VM2000-Linux (BS2000/OSD)  
Version 9.0  
October 2007

Release Notice

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Release Notice VM2000-Linux V9.0

<b>1 General</b>	<b>2</b>
1.1 Ordering	2
1.2 Delivery	2
1.3 Documentation	3
<b>2 Software functions</b>	<b>3</b>
<b>3 Technical information</b>	<b>3</b>
3.1 Resource requirements	3
3.2 Software configuration	3
3.2.1 Required environment	3
3.3 Product installation	4
3.4 VM2000 administration restrictions	4
3.5 Restrictions in Linux-S	4
3.6 Procedure in the event of error	4
<b>4 Hardware support</b>	<b>4</b>

# 1 General

This Release Notice is a summary of the major extensions, requirements and operating information with regard to VM2000-Linux V9.0 under VM2000 V9.0A and BS2000/OSD V7.0/V6.0.\*)

The release level is that of October 2007

This Release Notice is supplied as a file in uppercase and lowercase. Customers will receive an updated version of this file should any subsequent changes be made. To print this file, use /PRINT-DOCUMENT SYSFGM.VM2000-L.090.D,DOC-FORM=\*TEXT(LINE-SPACING=\*BY-EBCDIC-CONTROL)  
(German).

or  
/PRINT-FILE SYSFGM.VM2000-L.090.E,CONTROL-CHARACTER=EBCDIC.  
(English)

This Release Notice is also available online  
<http://manuals.fujitsu-siemens.com>.

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

## 1.1 Ordering

VM2000-Linux V9.0 can be ordered from your local distributors and is subject to the general terms and conditions of the software product use and service agreement.

## 1.2 Delivery

The VM2000-Linux V9.0 files are supplied via SOLIS.

The following release items are needed:

- SYSFGM.VM2000-L.090.D           Release Notice (German)
- SYSFGM.VM2000-L.090.E           Release Notice (English)
- SYSPRC.VM2000-L.090            Procedure for SYSRMS takeover
- SYSRMS.VM2000-L.090            RMS file (contains REP)
- SYSSII.VM2000-L.090            IMON installation file

The current file and volume characteristics are listed in the SOLIS2 delivery cover letter.

\*) BS2000/OSD (R) is a registered trademark of Fujitsu Siemens Computers

The delivery contains the following additional parts for installing Linux under VM2000-Linux:

- Installation Guidelines for Linux-S, Linux for BS2000/OSD mainframe V2.0A
- Installation DVD with prepared installation base
- CD set comprising
  - 3 CDs with Linux-S V2.0A SP3 Linux for BS2000 mainframe
  - 6 CDs with SLES9

### 1.3 Documentation

No special manual is required for operating VM2000-Linux. VM2000 administers Linux guest systems in the same way as BS2000 guest systems. Please refer to the VM2000 V9.0A manual with the following order number:

VM2000 V9.0A	Order no.:	U5183-J-Z125-10	German
VM2000 V9.0A	"	: U5183-J-Z125-10-76	English

Please note the restrictions described in section 1.8 for VM2000 administration of Linux guest systems.

## 2 Software functions

VM2000-Linux V9.0 is an add-on product to VM2000 V9.0A and extends the virtual machine system with functions that are required for operating Linux as a guest system. It is not possible to operate Linux as a monitor system.

## 3 Technical information

### 3.1 Resource requirements

VM2000-Linux itself does not require any resources beyond those required by VM2000 V9.0A. However, for operating Linux under VM2000-Linux, the Linux guest system must be assigned appropriate resources (CPU quota, main memory, disk storage, HNC devices, magnetic tape cartridge devices, virtual console via OMNIS or a control console via SKP-X). 512 MB main memory is required for installing Linux. The main memory required for operating Linux depends on the nature and intensity of Linux use and cannot be described in more detail here. At least 2 GB disk storage space should be available for installing Linux with the standard selection of software packages. Operation with at least 3 disk storage devices is recommended.

### 3.2 Software configuration

#### 3.2.1 Required environment

VM2000 V9.0A with the latest correction level is absolutely mandatory for using VM2000-Linux V9.0. Any BS2000/OSD-BC versions that are permitted under VM2000 V9.0A can be used as the monitor system. To operate Linux under VM2000-Linux, either a control console via SKP-X/SKP 3970-40 or a virtual console via OMNIS is required for each Linux guest system.

Correction level SINIX-2000-Z V9.1A EKS818.4 is required for SKP-X.  
Since Linux requires uppercase/lowercase, OMNIS as of version 8.3 is required for virtual console.

### **3.3 Product installation**

Please refer to the instructions included in the delivery for the VM2000-Linux installation procedure.  
The procedure SYSPRC.VM2000-L.090 allows running LINUX-S, for more information see inline documentation of the procedure.  
Installing Linux under VM2000-Linux is described in the Installation Guidelines for Linux for BS2000/OSD mainframes.

### **3.4 VM2000 administration restrictions**

The main memory size of Linux guest systems cannot be changed while Linux is running.  
i.e. the VM2000 commands  
- REDUCE-VM-MEMORY  
- EXTEND-VM-MEMORY  
are not supported for the Linux guest systems. If these commands are input while Linux is running, they are rejected by VM2000.

### **3.5 Restrictions in Linux-S**

Migration of Linux-S from version V1.x to Version 2.0 is not supported by update-installation.

### **3.6 Procedure in the event of errors**

If VM2000 administration problems occur, error documentation can be generated in the usual way for VM2000.  
Please refer to the VM2000 V9.0A Release Notice and manual for details (see also section 1.3 "Documentation").  
The installation guidelines for LINUX-S also contain information on Linux-S Autodump.

## **4 Hardware support**

VM2000-Linux V9.0 supports the following hardware:

- Type S120, S140, S145, S155, S165, S170, S180, S190 and S200.  
Central units
- Symmetrix Disk storage types D3490-10, -20, -30, -40 and D3435.  
D3435 also via fibre channel (FCP channel).
- Magnetic tape cartridge devices types 3580, 3590 and 3590E.  
Restriction: channel connection via fibre channel (FCP channel) is not supported.
- HNC types 91850, 91851, 91852 and 91853. Only HNC network connections via Ethernet, Fast Ethernet (100BaseTX) and Gigabit Ethernet (1000BaseSX) are supported. FDDI connections in particular are not supported.



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and the user documentation at <http://manuals.ts.fujitsu.com>.

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