

R E L E A S E   N O T I C E

S M 2 R 1 - P C   V2.0A

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1 General  
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SM2R1-PC is a client/server application for the analysis of output files of the monitor SM2 in BS2000/OSD \*) and the program SM2ONLINE-PC in Reliant UNIX or Solaris on a Windows-PC.

The user can request the values of any measurement variables - also of different hosts - for an analysis period determined by him. The result data are supplied in tabular form and displayed graphically. For BS2000/OSD systems the user can perform an automatic bottleneck analysis and display the configuration graphically. The long-term files of SM2R1-PC offer the possibility of storing measurement values of selected measurement variables during longer periods in compressed form on the PC in order to create trend analyses.

SM2R1-PC V2.0A consists of the components "PC client" (SM2R1-PC-CL), "BS2000 server" (SM2R1-PC) and "UNIX server" (SM2R1-PC-X), each of which is available as a separate release unit.

The client is installed on a PC and provides the user interface. Analysis jobs are compiled and transmitted to the server via this interface. The client is also used to present the results of the analysis job.

The server, on the other hand, simply processes the jobs of one or more clients. It does not have a user interface.

The essential operating information and dependencies of SM2R1-PC V2.0A are described in this Release Notice in condensed form.

The content is consistent with the release date of MARCH 2003.

\*

This Release Notice is supplied in file form only with uppercase and lowercase letters. Any subsequent amendments will be updated in this file and passed on.

This Release Notice is supplied only for the release unit SM2R1-PC and is also valid for the release units SM2R1-PC-CL and SM2R1-PC-X.

You can print out the file using the command:

```
/PRINT <filename>,SPACE=E  
or  
/PRINT-FILE FILE-NAME=<filename>  
,CON-CHARS=EBCDIC
```

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\*) BS2000/OSD (R) is a trade mark of Fujitsu Siemens Computers

## 1.1 Ordering

SM2R1-PC V2.0A consists of the release units SM2R1-PC, SM2R1-PC-CL and SM2R1-PC-X. These release units are not individually orderable, but belong to the release unit SM2.

\* The release unit SM2R1-PC-X is supplied for compatibility  
\* reasons only. The release items of the release unit  
\* SM2R1-PC-X are now release items of the new product  
\* openSM2 (Unix).

## 1.2 Delivery

The files for SM2R1-PC are supplied for all release units with the delivery procedure SOLIS. The applicable file and data medium attributes are listed in the SOLIS2 delivery documentation.

Overview of components supplied with the release unit SM2R1-PC ("BS2000 server")

SYSLNK.SM2R1-PC.020	Contains the BS2000 server
SYSSDF.SM2R1-PC.020	Syntax file for commands
SYSSPR.SM2R1-PC.020.START	Procedure for START-SM2R1-PC
SYSSPR.SM2R1-PC.020.STOP	Procedure for STOP-SM2R1-PC
SYSENT.SM2R1-PC.020	Contains the BS2000 enter for starting the server
SYSFGM.SM2R1-PC.020.E	Release Notice (English)
SYSFGM.SM2R1-PC.020.D	Release Notice (German)

Overview of components supplied with the release unit SM2R1-PC-X ("UNIX server")

SUXDAT.SM2R1-PC-X.020.RU	Contains the UNIX server for Reliant Unix
SUXDAT.SM2R1-PC-X.020.SOL	Contains the UNIX server for Solaris

Overview of components supplied with the release unit SM2R1-PC-CL ("PC client")

SPCDAT.SM2R1-PC-CL.020.OFT	Contains the PC client (for transfer with openFT)
SPCDAT.SM2R1-PC-CL.020.FTP	Contains the PC client (for transfer with ftp)

### 1.3 Documentation

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The PC client contains a comprehensive online help facility.

The online help is also available as a WORD document in the runtime directory of the PC client once the PC client has been installed.

For users with scant knowledge of SM2, the manual

SM2 (BS2000/OSD)  
Software Monitor  
User Guide

may prove very useful.

## 2 Technical information

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### 2.1 Resource requirements

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There are no minimum system configuration restrictions with respect to the BS2000 component; the configuration must simply be sufficient for the BS2000 to operate.

To implement the PC client, you will need  
min. 32 MB main memory and  
min. 15 MB free hard disk space.

To run SM2R1-PC, you will need at least the following memory space:

BS2000	4 MB C16 memory
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### 2.2 Software configuration

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To run SM2R1-PC you will need:

BS2000 host:

- \* - BS2000/OSD V3.0 or later
- \* - SM2 V12.4 or later
- \* - BCAM V12.0 or later

UNIX host:

- Reliant UNIX V5.4x or later or  
Solaris V2.7 or later

PC:

- MS Windows NT V4.0 (service pack 6 recommended) or MS Windows 2000 or MS Windows XP
- TCP/IP-LAN connection with winsockets
- File transfer product (openFT, ftp,...) to download the PC client and the UNIX server component

## 2.3 Product installation

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The standard installation of SM2R1-PC is performed for all release units using the product IMON.

When the release units SM2R1-PC-CL and SM2R1-PC-X are installed as standard, the PC client resp. the UNIX server is stored under your BS2000 login as a BS2000 file.

### 2.3.1 Installation of BS2000-Server:

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The commands for starting and stopping the server are contained in the SYSSDF.SM2R1-PC.020 syntax file. In order to make these commands available to each user, this syntax file must be activated with the following command:

```
/MODIFY-SDF-PARAMETER SCOPE=*PERMANENT,  
    SYNTAX-FILE-TYPE=*SUBSYSTEM(NAME=SYSSDF.SM2R1-PC.020,  
    SUBSYSTEM-NAME=SM2R1-PC)
```

For compatibility reasons the SYSENT.SM2R1-PC.020 enter for starting the server is supplied additionally.

### 2.3.2 Installation of PC client:

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If a PC client is already installed it must be deinstalled first. Please save the files "host.mdb", "groesdef.mdb", "auswert.mdb" and "sm2rlpc.ini" from the application directory before deinstallation.

Proceed as follows when installing the PC client:

1. Transfer either  
the file SPCDAT.SM2R1-PC-CL.020.OFT with openFT or  
the file SPCDAT.SM2R1-PC-CL.020.FTP with ftp  
in binary form (!! ) to any directory on your PC  
(referred to below as the installation directory).  
The name of the installation directory must not contain  
a dash.
2. Rename the PC client file to <NEW-NAME>.EXE.

3. Start <NEW-NAME>.EXE on your PC by double-clicking on it.  
The installation files are thereby extracted from the <NEW-NAME> archive.
4. Execute the installation program SETUP.EXE.  
C:\Programs\SM2R1-PC V2.0 is preset as the application directory.  
You can change the application directory during the installation process.  
The application directory must not (!!) be the same as the installation directory.
5. If an old PC client was deinstalled before the installation of the new client copy the saved files "host.mdb", "groesdef.mdb", "auswert.mdb" and "sm2r1pc.ini" to the application directory.
6. If you want to modify the setting of the language after the installation, you can do this by modifying the file "sm2r1pc.ini" in the application directory.  
Please set in section "Options" "Lang=deu" for german or "Lang=eng" for english.

### 2.3.3 Installation of the UNIX server:

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1. Transfer the file SUXDAT.SM2R1-PC-X.020.RU to your RM host resp. the file SUXDAT.SM2R1-PC-X.020.SOL to your Solaris host in binary form with a file transfer product.  
This archive contains the package that you need to install the UNIX server.
  2. Read in the package from the archive with the following command:  
tar xvf SUXDAT.SM2R1-PC-X.020.RU  
resp.  
tar xvf SUXDAT.SM2R1-PC-X.020.SOL  
This procedure extracts the SM2R1PC package from the archive.
  3. Install the package under the system administrator ID "root" with the command  
pkgadd -d <path>  
<path> must be the complete path name of the directory in which the SM2R1PC package is located.  
At the beginning of the installation you are asked for the user ID under which installation is to take place.  
After installation, the directory SM2R1-PC-X is located in the home directory of the user ID you specified.  
This directory contains the following files:  
- sm2r1pc (the server program)  
- start.sm2r1pc (a shell script for starting the server)  
- stop.sm2r1pc (a shell script for stopping the server)

## 2.4 Product implementation

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Before implementing the product for the first time, you are advised to read the section entitled "Working with the SM2R1-PC" in the PC client Online Help.

If the BS2000 server analyzes the open SM2 output file

- this file must be legible under the user ID under which it was started
- and must have the attributes ACCESS-METHOD=UPAM, SHARED-UPDATE=YES.

## 2.5 Omitted functions

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## 2.6 Incompatibilities

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With the definition of values for long-term files only "Single Measurement Variable" and "Mean Values" can be specified for "Composition Of Value" resp. "Analysis Mode". During the Analysis of the long-term file however it can be selected between "Single Measurement Variable" and "Formula" resp. "Mean Values" and "Frequencies". Old long-term files from versions < V2.0A50 can be further augmented and analyzed. Values defined with "Formula" and/or "Frequencies" however are not augmented any longer. For these values new values for each variable of the formula resp. the same value with analysis mode "Mean Values" are defined automatically during conversion of the long-term file. During analysis of the long-term file only the defined composition and analysis mode can be selected for values with composition "Formula" and/or analysis mode "Frequencies".

## 2.7 Restrictions

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## 2.8 Behavior in the event of error

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As diagnostic documentation, supply the log file SYSLOG.SM2R1-PC.020 of the server and, if necessary, the SM2 monitoring files which were being analyzed when the error occurred.

3 Software enhancements  
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The list below describes the extensions and improvements compared with the previous version:

- Analysis of monitoring files in Reliant UNIX
- Execution of an automatic bottleneck analysis for BS2000/OSD systems
- Output of the configuration of BS2000/OSD systems
- Storing of measurement data in compressed form on the PC in long-term files
- Improved parameterizing of macros
- Extended selection possibilities in the result table for the overlay of different time periods in the chart
- New chart "correlation" and new diagram types
- Extended editing possibilities for the chart
- Storing of the chart in JPEG format
- Directory for data bases adjustable
- Name of monitoring file with variable date

The correction level SM2R1-PC V2.0A10 contains the following main new features over the release version SM2R1-PC V2.0A00:

- New interval sizes 1 minute and 5 minutes for long-term files
- Extended possibilities for using variables  
There are no longer specific host and file variables, but only general variables. These variables and the date variable can be used in an analysis for the specification of the title, the host name and the monitoring file as well as the file names for storing the result table and the chart.

The correction level SM2R1-PC V2.0A20 contains the following main new features over the release version SM2R1-PC V2.0A10:

- Support of Solaris
- New CPU report with processor splitting
- Improvements of automation of Excel and Word

The correction level SM2R1-PC V2.0A30 contains the following main new features over the release version SM2R1-PC V2.0A20:

- New macro option -x to specify an Excel macro to be executed when the result table is saved as Excel file
- Analysis period \*START to \*STOP can be specified for the evaluation of several monitoring files
- Show function for contents of a long-term file
- Delete function for intervals of a long-term file





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