



Fujitsu Siemens Computers GmbH

SM2-TOOLS (BS2000/OSD)  
Version 7.5A  
Juli 2006

Release Notice

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Release Notice SM2-TOOLS V7.5A

<b>1 General</b>	<b>2</b>
1.1 Ordering	3
1.2 Delivery	3
1.3 Documentation	3
<b>2 Technical information</b>	<b>4</b>
2.1 Resource requirements	4
2.2 Software configurations	4
2.3 Product installation	5
2.3.1 Installation of BS2000 agents	5
2.3.2 Installation of the manager	5
2.4 Product implementation	6
2.4.1 INSPECTOR	6
2.4.2 ANALYZER	7
2.5 Omitted functions	7
2.6 Incompatibilities	7
2.7 Restrictions	7
2.8 Behavior in the event of errors	7
<b>3 Software enhancements</b>	<b>8</b>
3.1 INSPECTOR	8
3.2 ANALYZER	8
<b>4 Hardware support</b>	<b>8</b>

# 1 General

SM2-TOOLS is part of openSM2 (BS2000/OSD) and consists of the components INSPECTOR for online monitoring and ANALYZER for analysis of monitoring files.

openSM2 (BS2000/OSD) offers in connection with openSM2(Solaris), openSM2 (Linux), openSM2 (Windows) and openSM2 (VMware ESX Server) an efficient solution for the monitoring of heterogeneous IT environments.

INSPECTOR allows you to monitor several BS2000/OSD hosts systems simultaneously and to display the monitored data in graphical form. Agents on the server systems are collecting the monitoring data and send them to the INSPECTOR manager on a Windows PC via TCP/IP connections.

ANALYZER is a tool for the analysis of monitoring files of the BS2000 monitor SM2. You define the type and scope of analysis in the PC-based interface of the ANALYZER Manager. The analysis request which you formulate in this way is processed by the agent on the server and the result is presented afterwards by the ANALYZER manager at the PC.

The essential operating information and dependencies of SM2-TOOLS V7.5A are described in this Release Notice in condensed form.

The content is consistent with the release date of OCTOBER 2006.

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.

You can print out the file using the command:  
/PRINT <file name>,SPACE=E  
or  
/PRINT-FILE FILE-NAME=<file name>,CON-CHARS=EBCDIC

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## 1.1 Ordering

The release unit SM2-TOOLS is not individually orderable, but is part of the supply unit openSM2 (BS2000/OSD).

## 1.2 Delivery

The SM2-TOOLS files are delivered with the delivery method SOLIS. The SOLIS2 delivery note specifies the applicable file and volume attributes.

### Overview of release items

```
-----
SYSLNK.SM2-TOOLS.075          Contains the agents
SINLIB.SM2-TOOLS.075          Contains the SNMP subagent,
                               the openSM2-MIB and procedures for
                               POSIX-Installation of the subagent
SYSSDF.SM2-TOOLS.075          Syntax file for SDF commands
SYSSPR.SM2-TOOLS.075          Procedures for SDF commands
SYSDAT.SM2-TOOLS.075.IN.CONF  Configuration file for the
                               INSPECTOR agent
SYSFGM.SM2-TOOLS.075.D        Release notice (German)
SYSFGM.SM2-TOOLS.075.E        Release notice (English)
SPCDAT.SM2-TOOLS.075.OFT      Contains the managers
                               (for transfer with openFT)
SPCDAT.SM2-TOOLS.075.FTP      Contains the managers
                               (for transfer with ftp)
```

## 1.3 Documentation

The managers are containing a comprehensive online help facility. The online help is also available as a .pdf document.

For users with little or no knowledge of SM2, the manual openSM2 (BS2000/OSD) Software Monitor, Vols. 1 and 2 may be very useful.

## 2 Technical information

### 2.1 Resource requirements

In relation to the BS2000 part, there are no restrictions on the minimum system configuration; all that is required is the configuration necessary for BS2000 to run.

When the agents are running, the following minimum memory requirements must be satisfied:

INSPECTOR	5 MB C16 memory
ANALYZER	4 MB C16 memory

To implement the managers  
Min. 256 MB main memory and  
Min. 100 MB free hard disk memory  
are required.

### 2.2 Software configurations

The following are required to run INSPECTOR and ANALYZER:

BS2000 server:

- BS2000/OSD V3.0 or higher
- BCAM V12.0 or higher
- SM2 V12.4 or higher
- SBA-BS2 V6.0 or higher (only if the SNMP subagent is used)

PC:

- MS Windows NT 4.0 (service pack 6 recommended) or MS Windows 2000 or MS Windows XP
- TCP/IP-LAN connection with Winsockets
- File transfer product (openFT, ftp,...) to transfer the PC client

## 2.3 Product installation

The standard installation of SM2-TOOLS is performed using the installation monitor IMON.

When the release unit SM2-TOOLS is installed as standard, the Manager are stored as a BS2000 file.

### 2.3.1 Installation of BS2000 agents

The commands for starting and stopping the agents are contained in the SYSSDF.SM2-TOOLS.075 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.SM2-TOOLS.075,  
SUBSYSTEM-NAME=SM2TOOLS)
```

For the INSPECTOR agent you must modify the configuration file SYSDAT.SM2-TOOLS.075.IN.CONF. Refer to the section "The BS2000 agent" in the online help of the INSPECTOR manager.

The PCs to which the agent is to transmit data must be made known to the BS2000 system by the administrator.

### 2.3.2 Installation of the manager

1. Transfer either the file SPCDAT.SM2-TOOLS.075.OFT with openFT or the file SPCDAT.SM2-TOOLS.075.FTP with ftp in binary form (!! ) to any directory on your PC.
2. Rename the file to <new name>.zip.
3. Extract the installation files with WinZip. During extraction the directories " Dokumentation " and "Manager" are created.
4. The installation of the Windows manager can take place both dialogue-led and unattended, i.e. without user inputs. The preset application directory is  
C:\Program Files\openSM2 V7.0\INSPECTOR Manager resp.  
C:\Program Files\openSM2 V7.0\ANALYZER Manager.  
During the dialogue-led installation you can change the application directory.

Dialog-led installation:

Start the installation program openSM2Manager.msi in the "Manager" directory.

Unattended installation:

Open a command prompt window and change into the "Manager" directory.

Start the installation with the command  
msiexec /i openSM2Manager.msi /qn

5. When starting the INSPECTOR manager resp. the ANALYZER manager for the first time files containing user specific data will be created in the application data directory. The name of the application data directory is e.g.  
C:\Windows\Profile\\application data\openSM2 V7.0\INSPECTOR resp.  
C:\Windows\Profile\\application data\openSM2 V7.0\ANALYZER <username> is your user name.
6. If you want to modify the setting of the language after the installation, you can do this by modifying the file "Inspector.ini" resp. "Analyzer.ini" in the application data directory.  
Please set in section "Options" "Lang=deu" for german or "Lang=eng" for english.
7. If you want to transfer settings from an old manager proceed as follows:  
  
INSPECTOR manager:  
Copy the files "Config.mdb" and "Inspector.ini" of the old manager into the application data directory of the new manager.  
Afterwards start the new manager, choose the "Settings" entry in the "Options" menu and modify the paths on the "Environment" tab.  
  
ANALYZER manager:  
Transfer the data of the old manager with the "Import Data" command in the "Extras" menu of the ANALYZER manager.

## 2.4 Product implementation

Before starting the programs for the first time you should read the section "Basics" in the operating instructions or the online help of the managers.

### 2.4.1 INSPECTOR

The server to be monitored must be known on the PC, i.e. they must be accessible via a DNS server or registered in the HOSTS file of the PC.

If you want to use the SNMP interface please read the chapter "The SNMP subagent" in the online help.

Notes on performance

-----  
If you select the time axis greater than 4 hours in the "Settings" dialog box a restriction of the performance is possible dependent on the power of your PC.

This applies particularly to the following situations:

- Opening of reports
- Updating of reports with monitored objects if "In Every Cycle" or "For Time Axis" was selected for "Set Monitored Objects By Hit List".  
The setting "Once" however does not lead to any performance problems when updating.

### **2.4.2 ANALYZER**

If the BS2000 agent is to analyze the open SM2 monitoring 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**

-

### **2.6 Incompatibilities**

-

### **2.7 Restrictions**

-

### **2.8 Behavior in the event of errors**

Detailed information you find in the chapter "Behavior in the event of error" in the operating instructions or the online help of the manager.

## 3 Software enhancements

The following provides a description of the enhancements and improvements in SM2-TOOLS V7.5A made to the previous version SM2-TOOLS V7.0A.

### 3.1 INSPECTOR

- Support of BS2000/OSD V7.0 (new measurement variables for IORM)
- Improved installation of the manager
- Conversion of the manager to an MDI application (list of windows in the menu)
- Replacement of the server buttons by the server list
- Display of the monitored servers and server groups as well as the standard reports in the server list as a tree structure
- Simplified opening of global and server reports
- Improved selection of monitored objects
- Assistant for new users

### 3.2 ANALYZER

- Support of BS2000/OSD V7.0 (new measurement variables for IORM)
- Improved installation of the manager
- Analysis of system data in the monitoring file
- Simplified definition of analysis jobs by presetting of the analysis period and the output options
- Separation of data sources and values in the analysis job
- Improved search function for data sources
- Multiple selection of measurement variables at the definition of values
- Definition of server groups
- Display of server groups, servers and monitoring files as tree view
- Creation of a server hit list during analysis of a server group
- Format of the time axis labels selectable in the chart (not as output option)
- Display of the chart (resp. several charts) instead of the result table as analysis result
- Improved selection and filter possibilities of values for the creation of charts
- Intelligent automatic creation of the title and the legend in the chart

## 4 Hardware support

BS2000

BS2000/OSD Business Server

PC

PC with INTEL Pentium processor or compatible with min. 800 MHz  
Min. 256 MB main memory  
Min. 100 MB free disk space  
Min. 1024 x 768 screen resolution  
Mouse



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