



Intel® System Information Retrieval Utility (sysinfo)

User Guide

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1 Introduction

The Intel® System Information Retrieval Utility (hereinafter referred to as sysinfo) is used for collecting system information.

1.1 Document Scope

The purpose of this document is to help you install and use the Intel® System Information Retrieval Utility. It provides you detailed information on the features of Intel® System Information Retrieval Utility and how to use them. It describes the software requirements, supported operating systems and the supported platforms. It also explains the installation and un-installation process.

1.2 Overview

Intel® System Information Retrieval Utility dumps the following information either to a console or to a log file:

- Platform Firmware Inventory
- Sensors
- Sensor Data Records
- BMC SEL (IN HUMAN READABLE FORM)
- BMC SEL (IN HEX FORM)
- Baseboard FRU
- System BMC Boot Order
- BMC User Settings
- BMC LAN Channel Settings
- BMC SOL Channel Settings
- BMC Power Restore Policy Settings
- BMC channel settings
- SMBIOS Type 1, Type 2, Type 3
- Memory
- Processor
- SATA
- IDESCSI

- HARD Drive
- Operating System Information
- Device Manager Information (aka drivers)
- List Of Software Installed
- Operating System Event Log
- PCI Bus Device Information
- RAID settings and RAID log
- BIOS Settings (per BIOS SETUP F2 Screen)

1.3 System Requirements

This section details the supported operating systems and the supported platforms for the Intel® System Information Retrieval Utility.

1.3.1 Supported Operating Systems

- Windows 2003 R2 SP2 (32 bit and EM64T)*
- Windows 2008 (32 bit and EM64T)*
- Windows 2008 R2 (EM64T)*

1.3.2 Supported Platforms

- S5000 platform series
- S5500 and S5520 platform series
- S3420 platform series
- S5400SF, S7000FC4UR, S3200SH platforms

1.4 Related Information

The following table lists the related information:

Document/ Information	Source
Intel Support	http://support.intel.com

1.5 Terminology

The following table lists the terminology used in this document and the description:

Term	Description
SATA	Serial ATA. A computer bus technology for connecting hard disks and other devices

2 Getting Started

This section provides some basic steps on how to install and use the Intel® System Information Retrieval Utility.

2.1 Prerequisites

Following are the Prerequisites to install and use the Intel® System Information Retrieval Utility:

1. Boot to Windows 2003* R2 SP2 or Windows 2008* (32 bit or EM64T) with WMI enabled.
2. All RAID drivers for the corresponding platform to be installed. Otherwise, utility will not display RAID information.

2.2 Installing Intel® System Information Retrieval Utility

This section explains the steps to install the Intel® System Information Retrieval Utility:

1. Copy the compressed ZIP file into your local directory (e.g. C:\sysinfoT)
2. Unzip the folder that contains a main folder with ReleaseNotes.txt, Drivers, Binaries, and License as follows:
|----ReleaseNote.txt
|----Drivers
|----Binaries
|----License
|----Intel_System_Information_Retrieval_Utility_v1_2.pdf
3. GOTO Binaries\ folder
4. Run install.bat (for installing sysinfo)
5. Run sysinfo.exe
6. sysinfo.exe logs system information in 3 different log files
 - a. sysinfo_log.txt

Platform Firmware Inventory, Sensors, Sensor Data Records, BMC SEL (IN HUMAN READABLE FORM), BMC SEL (IN HEX FORM), Base Board FRU, System BMC Boot Order, BMC User Settings, BMC LAN Channel Settings, BMC SOL Channel Settings, BMC Power Restore Policy Settings, BMC channel settings, SMBIOS Type 1, Type 2, Type 3, Memory, Processor, SATA, IDE/SCSI,

HARD Drive, Operating System Information, Device Manager Information (aka drivers), List Of Software Installed, BIOS Settings (per BIOS SETUP F2 Screen).

- b. RAID_NVRAMlog.txt (RAID settings and RAID log)
- c. OS_Eventlog.txt (Operating System Event Log)
- d. SATA_log.txt (SATA information)
- e. PCI_log.txt (PCI Bus information).

2.3 Uninstalling Intel® System Information Retrieval Utility:

This section explains the steps to uninstall the Intel® Active System Console.

1. Go to Binaries\ folder in the main folder
2. Run uninstall.bat (for un-installing sysinfo).

3 Using Intel® System Information Retrieval Utility

This section details how to use the Intel® System Information Retrieval Tool.

- Command line Interface

sysinfo.exe [Options] [File Name]

- To view the command-line help page:
 - sysinfo.exe -h or -?
- sysinfo logs system information in 3 different log files (sysinfo_log.txt, RAID_NVRAMlog.txt, OS_Eventlog.txt).
 - sysinfo.exe [followed by ENTER key]
- sysinfo logs SATA and PCI bus information in 2 log files (SATA_log.txt, PCI_log.txt)
 - sysinfo.exe -sata -pci

Important Notes:

- sysinfo does not log HDD information if backplane is installed.
- To collect PCI / SATA info, SIT uses memrwd.sys driver. This driver is not WHQL certified.
- To display sensor information, user needs to install Intel IMB driver (** if only Microsoft IPMI driver is installed on the system **).
 - a. To install Intel IMB driver
run install-imbdriver.bat on console. install-imbdriver.bat is available in Binaries\ folder.
 - b. To un-install Intel IMB driver
run uninstall-imbdriver.bat on console. uninstall-imbdriver.bat is available in Binaries\ folder.