

Intel® SNMP Subagent v8.1

Release Notes

Release Date: March 2021

Build # 19

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1. Package Content

- Intel SNMP Subagent v8.1.2119

2. Supported Operating Systems

- Windows* Server 2012 Enterprise and 2012 R2 EM64T
- Windows* Server 2016 EM64T
- Windows Server 2019 Datacenter RTM (LTSC)
- Windows 10 Enterprise 2019 LTSC
- RHEL6*update5 (EM64T)
- RHEL7 (EM64T)
- RHEL7.1 (EM64T)
- RHEL7.2 (EM64T)
- RHEL7.3 (EM64T)
- RHEL7.4 (EM64T)
- RHEL7.5 (EM64T)
- RHEL7.6 (EM64T)
- RHEL8.1 (EM64T)
- SLES* 11 SP4 (EM64T)
- SLES* 12 SP5 (EM64T)
- SLES* 15 SP1 (EM64T)

3. Supported Server Platforms

Intel® Server Systems supporting the Intel® Xeon® processor E5-2600 v3 / v4 product family

- Intel® Server Board S2600WT/S2600WTR family
- Intel® Server Board S2600KP/S2600KPR family
- Intel® Server Board S2600TP/S2600TPR family
- Intel® Server Board S2600CW/S2600CWR family

Intel® Server Board based on Intel® Xeon® processor E5-2600 v5 product family

- Intel® Server Board S2600BP/ S2600BPR family
- Intel® Server Board S2600WF/S2600WFR family
- Intel® Server Board S2600ST/ S2600STR family

3rd Gen Intel® Xeon® Scalable processors family.

- Intel® Server Board D50TNP
- Intel® Server Board M50CYP

4. Supported Languages

- Supported languages for Intel® SNMP Subagent
 - English

5. Features

Through basic SNMP GETs and TRAPs, the Intel® SNMP Subagent provides the following functionality for managing servers:

- Accessing sensor data
- Viewing threshold settings
- Reading the SMBIOS tables
- Providing overall system health status

6. Installation & Uninstallation

6.1.1. Installation using standalone installer

- To Install Intel® SNMP Subagent for 64-bit Windows server, double click Intel SNMP Subagent-x86_64.exe from SNMP_SA_64 folder and follow the instructions
- To install SNMP Subagent in Linux, run `snmpsubagentinstall.sh`.

6.1.2. Upgrade

No upgrade available. Uninstall the previous Utilities before installing.

6.1.3. Uninstallation

- Use control panel Add / Remove programs to un-install the Intel® Server Management SNMP Subagent.
- In Linux, run `snmpsubagent_uninstall.sh` or run `uninstall.sh` in the path `/usr/local/snmpsab/bin`

7. Known Issues

- Windows* version of Intel® SNMP Subagent may give a warning "*Windows can't verify the publisher of this driver software*" during installation for three drivers that are part of Intel® SNMP Subagent package. User must select the option "*Install this driver software anyway*" to proceed with installation. Once installed, the drivers will show up as not digitally signed in the properties page of the driver. However, the drivers are digitally certified by Microsoft*. The Microsoft "[sigverif](#)" utility will show up the three drivers (`flashud.sys`, `ibsmutil.sys` and `imbdrv.sys`) as WHQL certified.
- Intel® SNMP subagent is not completely supported in GPT style partitioned OS. The `smbios` and `bios` queries will fail.
- The SNMPSA installer may show these message during installation: "`insserv: Script jexec is broken: incomplete LSB comment`" and "`insserv: missing 'Required-Stop:' entry: please add even if empty`" due to there is no `'Required-Stop:'` in `java's jexec` script. User may need to install latest `java rpm` or add `'Required-Stop:'` right below the `'Required-Start:'` in `\etc\init.d\jexec` script.
- Intel® SNMP Subagent may not work properly if Intel® IASB is installed on the same system.
- The Intel® SNMP subagent requires that the IPMI driver be started.

To start the IPMI service

Enter "`modprobe ipmi_devintf`" and "`modprobe ipmi_si`" in a linux terminal

*These commands works only if the openIPMI package has been installed in the OS.

- Net-snmp may record all the successful connections in log file and cause the disk space to be consumed quickly on some Linux OS.

To turn off this logging on SuSE*

- Change `SNMPD_LOG_SUCCESSFUL_CONNECTIONS="yes"` to "no" in "`/etc/sysconfig/net-snmp`" file
- Restart `snmpd` and `snmpsa` services.
- Cooling unit sensors, Discrete cooling device table sensors, Drive slot, Power supply, current probe sensors are not available.
- Traps are tested for only Power and Fan. And intermittent traps generation is observed in which case trap messages are not seen continuously.

8. Trouble shooting Instructions

If the Intel® SNMP Subagent or Master locks up, you must restart both agents. Use the following steps from the command line to restart the agents, depending on your operating system. For information on setting services or daemons to start at system boot, see your operating system documentation.

Linux* Operating System

- Stop the subagent by entering the following command:
`/etc/init.d/snmpsa stop` or `systemctl stop snmpsa` (for RHEL6.x, RHEL7.x, RHEL 8.x, SLES11, SLES12 & SLES15)
- Restart the master agent by entering the following command:
`/etc/init.d/snmpd* restart` or `systemctl restart snmpd` (for RHEL6.x, SLES11 & SLES12)
- Start the subagent by entering the following command:
`/etc/init.d/snmpsa start` or `systemctl start snmpsa` (for RHEL6.x, RHEL7.x, RHEL 8.x, SLES11, SLES12 & SLES15)

*If `snmpd` file is missing in the path `/etc/init.d` for Linux OS OS (esp if RHEL7.x, RHEL8.x and SLES15) please use "`systemctl restart snmpd`" or "`service snmpd restart`" commands in linux terminal.

Windows* Operating System

In Windows* Operating System, choose Start > Control Panel > Administrative Tools > Services, then stop and restart the SNMP Service.

9. Release change logs

9.1. Build19

- Updated copyright information and new Intel logo in User Guide and Release Notes.
- Power Unit Status capture trap event issue fixed.
- Power Unit Redundancy status walk issue fixed.
- Temperature sensor health status issue fixed for Windows.

9.2. Build18

- Support added for 3rd Gen Intel® Xeon® Scalable processors family. (Intel® Server Board D50TNP and M50CYP).
- Added support for RHEL8.x and SLES* 15 Operating systems.
- Decoding Temperature sensor health status issue fixed.
- Linux non privileged user installation incorrect message issue fix.
- Uninstall on Windows OS removes the folders and files content.

9.3. Build 17

- Static scan vulnerabilities fixed.
- SNMP Trap issues on Linux.
- Memory leak issue.

9.4. Build 16

- Static scan vulnerabilities fixed
- SNMPSA Power Redundancy OID mismatch issue fixed
- SNMPSA Fan Redundancy OID mismatch issue fixed

9.5. Build 15

- SNMPSA Windows Security issue fixed
- Release Note Document updated

9.6. Build 14

- MIB Browser SNMPSA version issue fixed
- Release Note Document updated
- RHEL 7.6 and SLES 12 issue fixed

9.7. Build 13

- Copyright year update in document
- SLES Installation issue fixed

9.8. Build 12

- Memory Leak issue is fixed
- Improper NULL Termination issues is fixed

9.9. Build 11

- SNMPSA Power supply status mismatch with BMC is fixed.
- SNMPSA Fan Discrete status mismatch with BMC is fixed.
- SNMPSA Fan status mismatch with BMC is fixed.
- SNMPSA Fan Redundancy status mismatch with BMC is fixed.
- SNMPSA Power Unit status mismatch with BMC is fixed.