



Intel® SNMP Subagent v8.1 – Build #20

Release Notes

July 2021

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1. Overview

1.1 Package Content

- Intel SNMP Subagent v8.1.2120

1.2 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)
- RHEL8.* (EM64T)
- SLES* 11 SP4 (EM64T)
- SLES* 12 SP5 (EM64T)
- SLES* 15 SP1 (EM64T)

1.3 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
- Intel® Server Board S9200WK family

Intel® Server Systems supporting the Intel® Xeon® processor E-2278G product family

- Intel® Server Board M10JNP family

3rd Gen Intel® Xeon® Scalable processor family

- Intel® Server Board D50TNP family
- Intel® Server Board M50CYP family
- Intel® Server Board D40AMP family

1.4 Supported Languages

- Supported languages for Intel® SNMP Subagent
 - English

1.5 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

2. Installation and Uninstallation

2.1 Installation using Standalone installer

- To Install Intel® SNMP Subagent for 64-bit Windows server, double click Intel_SNMP_Subagent-8.1-*x86_64.exe from Windows folder and follow the instructions
- To install SNMP Subagent in Linux*, run `snmpsubagentinstall.sh`.

2.2 Upgrade

No upgrade available. Uninstall the previous utilities before installing.

2.3 Uninstallation

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

3. Known Issues

- Windows* version of Intel® SNMP Subagent may provide 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 messages during installation: “insserv: Script jexec is broken: incomplete LSB comment” and “insserv: missing ‘Required-Stop:’ entry: 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® IASC 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 work 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 operating systems.
- To turn off this logging on SuSE*
 - Change `SNMPD_LOG_SUCCESSFUL_CONNECTIONS="yes"` to “no” in “`/etc/sysconfig/net-snmp`” file
 - Restart `snmpd` and `snmps` 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.

4. Troubleshooting 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.

4.1.1 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 (esp if RHEL7.x, RHEL8.x and SLES15), use “`systemctl restart snmpd`” or “`service snmpd restart`” commands in Linux terminal.

4.1.2 Windows* Operating System

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

5. Release Change Logs

Build 20

- In Linux, reduced the log trace when utility executed in release mode.
- Fixed installation script to support all RHEL 8.x OSes.
- Fixed issues during walk and trap for few sensors.
- Fix to show updated status for "Pwr Unit Redundant" sensor when walk is done.
- Static scan code vulnerabilities fixed.

Build 19

- 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.
- Support added for Intel® Server Board D40AMP.

Build 18

- Support added for 3rd Gen Intel® Xeon® Scalable processor family. (Intel® Server Board D50TNP and M50CYP).
- Intel® Server Systems supporting the Intel® Xeon® processor E-2278G product family (Intel® Server Board M10JNP)
- 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 fixed.
- Uninstall on Windows OS removes the folders and files content.

Build 17

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

Build 16

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

Build 15

- SNMPSA Windows Security issue fixed
- Release Note Document updated

Build 14

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

Build 13

- Copyright year update in document
- SLES Installation issue fixed

Build 12

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

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.

Build 10

- Integrated Cacheriver 7.1 build 14.

Build 9

- Integrated Cacheriver 7.1 build 13.
- Added RHEL 7.3 stable version OS support in the snmpsa install script snmpsubagentinstall.sh.

Build 8

- SNMP Temperature Threshold for lnr, unr trap OID mismatch for Front temp Sensor is fixed.
- SNMP Temperature Threshold for lnc, unc, ucr trap OID mismatch for Front temp Sensor is fixed.
- SNMP Voltage Threshold for lcr, lnc, unc, ucr trap OID mismatch for Voltage Sensor is fixed.
- SNMP Fan Threshold for lcr, lnc trap OID mismatch for Fan Sensor is fixed.

Build 7

- Integrated Cacheriver 7.1 build 12.
- Temperature threshold trap OID mismatch for the Front Temp sensor is fixed.
- Fan threshold trap OID mismatch for fan is fixed.

Build 6

- Integrated Cacheriver 7.1 build 9.
- Added RHEL 7.3 OS support in the snmpsa install script snmpsubagentinstall.sh

Build 5

- EPSD100254517: [BKC WFP - SLES 12.1 takes more time to shutdown/reboot when SNMPSA utility is installed] is fixed.
- EPSD100254633: [Purley][Sawtooth Pass] [SNMP-SA Build 4 - Fan trap are not generated as expected] is fixed.
- Integrated Cacheriver 7.1 build 8.
- Updated the snmpsubagentinstall.sh to copy the uninstallation script [uninstall.sh] into the path /usr/local/snmpsa/bin.

Build 4

- Integrated Cacheriver 7.1 build 7.
- Integrated Klocwork code fixes.

Build 3

- Fixed SNMP_SA code for SNMP service hung issue

Build 2

- Added RHEL 7.2 OS support.

Build 1

- Integrated Cacheriver 7.1 build2.