Intel® SNMP Subagent v8.0

Release Notes

Release Date: June 2017

Build # 22

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1. Package Contents

- Intel SNMP Subagent v8.0.1722

2. Supported Operating Systems

- Microsoft Windows* Server 2012 R2 64-bit
- Microsoft Windows* Server 2016 x64-bit
- Red Hat* Enterprise Linux 6.5 64-bit
- Red Hat* Enterprise Linux 6.6 64-bit
- Red Hat* Enterprise Linux 6.7 64-bit
- Red Hat* Enterprise Linux 6.8 64-bit
- Red Hat* Enterprise Linux 7.0 64-bit
- Red Hat* Enterprise Linux 7.1 64-bit
- Red Hat* Enterprise Linux 7.2 64-bit
- Red Hat* Enterprise Linux 7.3 64-bit
- SUSE* Linux Enterprise Server 11.x 64-bit
- SUSE* Linux Enterprise Server 12.x 64-bit

The below OSes are not supported after Build 12:

- Windows* Server 2012 Enterprise
- Windows* Server 2008 Enterprise
- SLES* 11.x (32 bit)
- RHEL6.x* (32 bit)

3. Supported Server Platforms

- Intel® Server Board based on Intel® Xeon® processor E5-1600/2600/4600 v2 product family
- Intel® Server Board based on Intel® Xeon® processor E5-2400 v2 product family
- Intel® Server Board based on Intel® Xeon® processor E5-2600 v3/v4 product family
- Intel® Server Board based on Intel® Xeon® processor E3-1200 v5 product family
- Intel® Server Board based on Intel® Xeon® processor E3-1200 v2/v3/v4 product family

4. Supported Languages

- Supported languages for Intel® SNMP Subagent
  - English
  - Brazilian Portuguese
  - Chinese Simplified
  - Chinese Traditional
  - French

- German
- Italian
- Japanese
- Korean
- Russian
- Spanish

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 32 bit Windows server, double click Intel SNMP Subagent-x86.exe from SNMP_SA_i386 folder and follow the instructions
- 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.

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® 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 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 are not available.

- Threshold value 2147483647 (0X7FFFFFFF) denotes unknown or not available (N/A).

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 RHEL7, RHEL 7.1 & SLES12)

- Restart the master agent by entering the following command:
    /etc/init.d/snmpd* restart or systemctl restart snmpd (for RHEL7, RHEL7.1 & SLES12)

- Start the subagent by entering the following command:
    /etc/init.d/snmpsa start or systemctl start snmpsa (for RHEL7, RHEL7.1 & SLES12)

    *If snmpd file is missing in the path /etc/init.d for Linux OS (esp if RHEL 7 and above) 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. Build 22

- SNMPSA Fan status mismatch with BMC is fixed in-reference with Platform ID
- SNMPSA Fan Redundancy status mismatch with BMC when more than one Fan is removed is fixed

9.2. Build 21

- SNMPSA Fan status mismatch with BMC is fixed in-reference with Platform ID

9.3. Build 20

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

9.4. Build 19

- Added RHEL 7.3 OS support.
- Integrated with Cacheriver 7.0 Build 16.

9.5. Build 18

- SNMP Temperature Threshold for lnr, unr trap OID mismatch for Front temp Sensor is fixed.

9.6. Build 17

- 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.

9.7. Build 16

- SNMP Fan Status mismatch is fixed.

9.8. Build 15

- SNMP Temperature Threshold trap OID mismatch for Front temp Sensor is fixed.
- SNMP Fan Threshold trap OID mismatch for Fan Sensor is fixed.

9.9. Build 14

- EPSD100254720:[Grantley] SNMP-SA Build 13 - Fan trap are not generated as expected in Linux
- Integrated with Cacheriver 7.0 Build 14

- Updated the snmpsubagentinstall.sh to copy the uninstallation script [uninstall.sh] into the path /usr/local/snmpsa/bin
- Updated the build number with 1614 [16: Year and 14: Build Number]

9.10.   Build 13

- EPSD100253201: [Greenlow] SNMP build 8.0.12 - snmpsubagentinstall.sh: line 112: [: missing '] is fixed

9.11.   Build 12

- Added RHEL 7.2 OS support.
- Integrated with Cacheriver 7.0 Build 11.

9.12.   Build 11

- Integrated with code defense flags.
- Integrated with Cacheriver 7.0 Build 10.

9.13.   Build 10

- Integrated Cacheriver 7.0 Build 09.

9.14.   Build 9

- Integrated Cacheriver 7.0 Build 08.

9.15.   Build 8

- EPSD100249574 on SNMP-SA Show HEX value / word missing when query in mibbrowser on Linux OS (Legacy and UEFI) is fixed.

9.16.   Build 7

- Integrated Cacheriver 7.0 Build 07.
- Integrated Klocwork code fixes.
- EPSD100249574 on SNMP-SA user guide outdated is fixed.

9.17.   Build 6

- Integrated Cacheriver 7.0 Build 06.

9.18.   Build 5

- Integrated Cacheriver 7.0 Build 05.
- Fixed RHEL7.1 OS SNMPSA installation Issue.

9.19.   Build 4

- Integrated Cacheriver 7.0 build4.

9.20. Build 3

- Integrated Cacheriver 7.0 build3.
- EPSD100248302 tracker on SNMP version show build 1 on Mibbrowser is fixed.
- EPSD100248295 tracker on SNMP Cannot get fan trap is fixed.

9.21. Build 2

- Integrated Cacheriver 7.0 build2 to enable UEFI OS.

9.22. Build 1

- Integrated Cacheriver 7.0 build1.