



This Technical Advisory describes an issue that may or may not affect the customer's product.

Intel Technical Advisory

TA-1145

5200 NE Elam Young Parkway
Hillsboro, OR 97124

May 5, 2019

Intel® Management Engine (Intel® ME) update failure is reported on Intel® Server Board S2600BP when using Intel® One Boot Flash Update (Intel® OFU) to update SFUP between R0013/14/15/16.

Products Affected

Product Type	Product Name	MM#
Intel® Server Board	BBS2600BPB	948899
	BBS2600BPQ	948900
	BBS2600BPS	952609
Intel® Compute Module	HNS2600BPB	976668
	HNS2600BPQ	976669
	HNS2600BPS	976670
	HNS2600BPB24	976671
	HNS2600BPQ24	976675
	HNS2600BPS24	976676
	HNS2600BPBLC	961401
	HNS2600BPBLC24	977207
	HNS2600BPBRX	986123
	HNS2600BPB24RX	986124

Description

On Intel® Server Board S2600BP, the Intel® ME configuration file parsing error is reported when the Intel® OFU utility attempts to update the SFUP between R0013/14/15/16. BIOS and BMC may be updated successfully, but SDR and Intel ME may or may not be. This issue can be seen with at least the following software and operating system versions:

- Intel OFU utility version 14.1 build 17 or version 14.1 build 19
- Red Hat Enterprise Linux* 7.5 or SUSE Linux Enterprise Server* 12 SP3

Failure information is below:

```
One Boot Flash Update Utility Version 14.1 Build 17
  Copyright (c) 2018 Intel Corporation

Update file Configuration: XXX S2600BPB:S2600BPL:S2600BPQ:S2600BPS,1.0

Processing capsule file - /root/fw-
intel/bios_0014/R0014_Production_ACM_TXT_BOOT.signed.cap

Processing capsule file - /root/fw-
intel/bios_0014/R0014_Production_ACM_TXT_ME.signed.cap

Processing capsule file - /root/fw-
intel/bios_0014/R0014_Production_ACM_TXT_FD.signed.cap
Update file Configuration: Revision S2600BP_137
FRU & SDR Update Package for Intel(R) Server Board S2600BPx (S2600BP_137)
Copyright (c) 2018 Intel Corporation

Intel(R) Server Board S2600BPB detected
Entering BMC Update Mode...
Using USB Interface...
Transferring BMC Firmware Image:
100% Done
BMC Firmware Update Status:
100% Done
BMC Firmware Update Successful
This may take up to 50 seconds to exit. Please wait...

BIOS Update In Progress: 100%
Primary Update completed, Backup BIOS update will be completed in next boot.
BIOS has been updated successfully.

Please restart the server for the update to take effect.

ME Update In Progress:
Error : Error while parsing the cfg file
```

Root Cause

The root cause is under investigation and will be communicated in a future Technical Advisory.

Workaround

If the described problem is encountered, run the following command (with root permissions) to reset the Intel ME firmware and then re-run the SFUP update.

```
# ipmitool -b 6 -t 0x2c raw 0x06 0x02
```

Please contact your Intel Sales Representative if you require more specific information about this issue.

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

A "Mission Critical Application" is any application in which failure of the Intel Product could result, directly or indirectly, in personal injury or death. SHOULD YOU PURCHASE OR USE INTEL'S PRODUCTS FOR ANY SUCH MISSION CRITICAL APPLICATION, YOU SHALL INDEMNIFY AND HOLD INTEL AND ITS SUBSIDIARIES, SUBCONTRACTORS AND AFFILIATES, AND THE DIRECTORS, OFFICERS, AND EMPLOYEES OF EACH, HARMLESS AGAINST ALL CLAIMS COSTS, DAMAGES, AND EXPENSES AND REASONABLE ATTORNEYS' FEES ARISING OUT OF, DIRECTLY OR INDIRECTLY, ANY CLAIM OF PRODUCT LIABILITY, PERSONAL INJURY, OR DEATH ARISING IN ANY WAY OUT OF SUCH MISSION CRITICAL APPLICATION, WHETHER OR NOT INTEL OR ITS SUBCONTRACTOR WAS NEGLIGENT IN THE DESIGN, MANUFACTURE, OR WARNING OF THE INTEL PRODUCT OR ANY OF ITS PARTS.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.