



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

Intel Technical Advisory

TA-1061-01

5200 NE Elam Young Parkway
Hillsboro, OR 97124

June 30, 2014

Systems based on the Intel® Server Board S1200V3RP may hang with POST code 0x96 when recovering from a backup BIOS that is a different version than the primary BIOS

Products Affected

Product Name	Product Code
Intel® Server Board S1200V3RPL	S1200V3RPL
Intel® Server Board S1200V3RPS	S1200V3RPS
Intel® Server Board S1200V3RPO	S1200V3RPO
Intel® Server Board S1200V3RPM	S1200V3RPM
Intel® Server System R1304RPOSHBN	R1304RPOSHBN
Intel® Server System R1304RPSSFBN	R1304RPSSFBN
Intel® Server System R1304RPMSHOR	R1304RPMSHOR
Intel® Server System R1208RPOSHOR	R1208RPOSHOR
Intel® Server System R1208RPMSHOR	R1208RPMSHOR
Intel® Server System P4308RPLSHDR	P4308RPLSHDR

Description

Intel has found that systems based on the Intel® Server Board S1200V3RP may hang with POST code 0x96 when recovering from a backup BIOS that is a different version than the primary BIOS.

Root Cause

The issue has been root caused to some changes in the BIOS variable structure. The BIOS goes into recovery mode with an incorrect variable input.

Corrective Action / Resolution

Make the primary BIOS and the backup BIOS the same version before the BIOS goes into recovery mode.

For the instructions on how to update the backup BIOS, refer to the BIOS release notes in the Firmware Update Package which can be downloaded from:

https://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&ProdId=3703&DwnldID=23897

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 Corporation