BMC Subsystem Optimizer for zEnterprise

Version 1.0.00
July 15, 2015
Tracking number QM001882385, BPJ1088: After you apply IBM PTFs for APAR OA46291, S0C4-3B abends might occur in programs that are running in AMODE(64)

BMC is alerting users to a problem in the BMC Subsystem Optimizer for zEnterprise product.

Issue

After applying IBM PTFs for APAR OA46291 (part of z/OS PUT1504 maintenance) and PTF’s UA90974, UA90975, and UA90976, BMC Subsystem Optimizer for zEnterprise might abend in various modules with a S0C4-3B error.

The abend occurs because after a storage obtain, the high half of register 15 contains residual data where previously the high half of register 15 was left clear. As a result, AMODE(64) programs using R15 for addressing data might have an invalid 64bit address due to this residual data.

Prior to applying these IBM PTFs, the high half of R15 contained zeros and the low half contained only a return code.

IBM has opened APAR OA48273 to address the S0C4-3B issue introduced by APAR OA46291.

Resolution

PTF BPJ1088 will resolve this problem by ensuring the high half of register 15 is set to zeros after returning from z/OS Storage Obtain service. BMC intends to make the PTF available in August. If you have questions or need a fix sooner than the expected release, please contact BMC Customer Support.

BMC recommends using BMC Internet Service Retrieval (ISR) to obtain PTFs. For information about ISR, see the maintenance information in the Installation System Reference Manual.
You can also obtain PTFs from eFix PTF Distribution Services (eFix). You can access eFix directly at [http://apps.bmc.com/support/efix.cgi](http://apps.bmc.com/support/efix.cgi) or from the support site. For information about eFix, see the online Help.

**Note**

If you have questions, contact Customer Support at 1 800 537 1813 (United States or Canada) or call your local support center.

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**Where to get the latest product information**

To view the latest BMC documents, see the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support).

Notices such as flashes, technical bulletins, and release notes are available on the website. You can subscribe to proactive alerts to receive e-mail messages when notices are issued or updated. For more information about proactive alerts, see the Support Central website.