BMC CDB/Auto-Online Reorg for DB2 for z/OS and BMC Next Generation Technology Reorg for DB2 for z/OS

July 10, 2015

Tracking number QM001881132: NGT Reorg writes an incorrect header page value to an index that contains non-key columns, resulting in a potential for data corruption

A serious problem in the following products requires immediate attention:

- Versions 9.3.00 and 9.4.00 of BMC CDB/Auto-Online Reorg for DB2 for z/OS
- Version 11.2.00 of BMC Next Generation Technology Reorg for DB2 for z/OS (NGT Reorg)

Note

With version 11.2.00, the name of BMC CDB/Auto-Online Reorg for DB2 for z/OS changed to BMC Next Generation Technology Reorg for DB2 for z/OS (abbreviated as NGT Reorg).

Also, note that BMC previously announced this problem in a flash dated June 12, 2015. A PTF to correct the problem is now available.

Issue

When reorganizing an index that contains non-key columns (INCLUDE columns) or a table space that contains one of these indexes, NGT Reorg writes an incorrect value to the index header page but completes without an indication of the problem.

During subsequent operations, DB2 might insert duplicate rows into the corresponding table space, resulting in data corruption.

Resolution

The following table lists the PTFs that resolve this issue:
For BMC CDB/Auto-Online Reorg, use your standard method for obtaining fixes. If you need assistance, contact BMC Customer Support.

For NGT Reorg, 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.

Applying the PTF does not correct any indexes or table spaces that have already been affected. To correct objects that have been affected, complete the following steps:

1. Run a check index utility against any current indexes that contain non-key columns.
   
   A structure error indicates that the index might have been affected by this problem.

2. Remove any duplicate rows manually from the corresponding table space.

3. Use your standard procedure to rebuild the affected index.

   **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.

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