DB2 Component Services (DBC)
Version 10.1.00
June 16, 2016
DBC: An improved locking mechanism enables DBC to better support the multi-use runtime operation

BMC is announcing enhancements and fixes to the DB2 Component Services (DBC) technology. The enhancements and fixes affect the following products:
- APPTUNE for DB2
- MainView for DB2 - Data Collector
- MainView for Java Environments
- MainView for WebSphere MQ
- MainView Infrastructure
- MainView Transaction Analyzer
- PACLOG for DB2
- Pool Advisor for DB2
- Recovery Management for DB2
- RECOVERY MANAGER for DB2
- SQL Performance for DB2
- BMC Subsystem Optimizer for zEnterprise (Subzero)
- BMC System Performance for DB2
- BMC Workbench for DB2

Overview of the enhancements and fixes

These topics describe the enhancements and fixes.

Locking mechanism enhancement

The internal DBC mechanism that obtains locks on database objects can now obtain locks at a more granular level. For example, instead of obtaining a lock for an entire list in order to lock a particular item in the list, DBC can now lock the specific item. This enhancement will help prevent problems during DBC shutdown.
**Additional enhancements**

The following additional enhancements were made for the products:

<table>
<thead>
<tr>
<th>Tracking number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QM001820861</td>
<td>Removed extraneous quote marks from messages</td>
</tr>
<tr>
<td>QM001989860</td>
<td>Sped up shutdown time</td>
</tr>
<tr>
<td>QM002000724</td>
<td>Send APF-authorized error messages for agents to the joblog</td>
</tr>
</tbody>
</table>

**Corrected problems**

The following problems have been corrected:

<table>
<thead>
<tr>
<th>Tracking number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>QM001891603</td>
<td>When unsubscribing from a nonexistent event, release the exclusive lock.</td>
</tr>
<tr>
<td>QM001904021</td>
<td>Requests received through the cross-system coupling facility (XCF) might send a return code of 8 with a reason code of 0 during shutdown.</td>
</tr>
<tr>
<td>QM001909400</td>
<td>After a failure to set up socket communication, the STOP command does not shut down DBC.</td>
</tr>
<tr>
<td>QM001921026</td>
<td>The task control block (TCB) statistics summary reports the DBCMCS00 CPU as &quot;UNKNOWN&quot;.</td>
</tr>
<tr>
<td>QM001925836</td>
<td>An invalid JOBNAME value in the STPARMS for an external agent is not detected.</td>
</tr>
<tr>
<td>QM001944058</td>
<td>After an authorization failure, do not attempt another activation of an MCS console.</td>
</tr>
<tr>
<td>QM001969242</td>
<td>The INITPROD does not accept a lowercase DSN.</td>
</tr>
<tr>
<td>QM001971171</td>
<td>Add support for JOBLIB usage.</td>
</tr>
<tr>
<td>QM001971371</td>
<td>Do not report that the product is unable to connect to SSID=&quot;&quot; when we fail to connect with a group name.</td>
</tr>
<tr>
<td>QM001996661</td>
<td>If the TERMPROD command specifies the WAIT parameter and the product is not terminated by the time the WAIT time expires, do not resubmit the command internally.</td>
</tr>
</tbody>
</table>

**Implementing the enhancements and fixes**

To implement the enhancements and fixes, obtain and apply PTF BPU8933.
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://efix.bmc.com](http://efix.bmc.com) 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.

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