BMC Software is releasing version 4.1.00 of the Recovery Utility for VSAM (RUV) product.

These release notes provide information about the enhancements and resolved problems in this release. The information in this document supplements and supersedes information in the Recovery Utility for VSAM product manuals.

**NOTE**
Details about recent patches, zaps, or PTFs for this product are available from the BMC Software Customer Support website at [http://www.bmc.com/support_home](http://www.bmc.com/support_home). Before installation, BMC Software recommends that you check the website to determine whether patches or zaps are available for this product.

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What’s new

These topics describe the major new features of this product.

Product name

The product name has been changed from VSAM Recovery Services (VRS) by Defining the Moment to its original name of Recovery Utility for VSAM (RUV).

Product licensing

When migrating from Recovery Utility for VSAM version 2.1.02 to RUV 4.1.00, there is no change in the license key validation procedures. Contact BMC Contracts or Customer Support if you need new license keys.

When migrating from VSAM Recovery Services by Defining the Moment version 3.0.00 or 3.1.00 to RUV 4.1.00, the license key encryption software has changed. Your existing VRS license keys will not work with RUV 4.1.00. Refer to the RUV 4.1.00 Installation and Customization Guide for information about applying new license keys that can be obtained through BMC Contracts or by contacting Customer Support.

New commands

The SET and SET DEFAULT commands for RECOVERY_MODE have been added.

In addition, RECOVER START_TIME and STOP_TIME keywords can now be set with up to 5 positions after the decimal in seconds. This change allows a time stamp similar to ones used in DB2.

Rebuilding paths on a RECOVER FORWARD

Alternate indexes (AIXs) with UNIQUEKEY that are NOUPGRADE no longer cause all PATHs to be rebuilt when a RECOVER FORWARD command is issued.

The AIXs with UNIQUEKEY that are UPGRADE will still cause the PATHs to be rebuilt.
Corrected problems

The problems listed in Table 1 were reported in earlier releases of the product and have been corrected in this release:

Table 1  Corrected problems in RUV 4.1.00

<table>
<thead>
<tr>
<th>Issue number</th>
<th>RFE / Defect number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>QM000431891</td>
<td>allows RECOVER START_TIME and STOP_TIME keywords to be set with up to 5 positions after the decimal in seconds</td>
</tr>
<tr>
<td></td>
<td>QM000568237</td>
<td>This change allows a time stamp similar to ones used in DB2.</td>
</tr>
<tr>
<td>ISS03425583</td>
<td>QM001607570</td>
<td>adds SET and SET DEFAULT commands for RECOVERY_MODE</td>
</tr>
<tr>
<td>ISS03449016</td>
<td>QM001612726</td>
<td>stops AIXs with UNIQUEKEY that are NOUPGRADE from causing all PATHs to be rebuilt on a RECOVER FORWARD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The AIXs with UNIQUEKEY that are UPGRADE will still cause the PATHs to be rebuilt.</td>
</tr>
<tr>
<td>ISS03466326</td>
<td>QM001618790</td>
<td>modifies code to correct length due to C compiler default change</td>
</tr>
</tbody>
</table>

Product documents

The following documents support the product:

- *Recovery Utility for VSAM Installation and Customization Guide*
- *Recovery Utility for VSAM User Guide*
- *Recovery Utility for VSAM Messages Manual*

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

RUV 4.1 supports all current IBM-supported releases of z/OS and CICS TS at the time of this publication.

Currently supported releases are listed in http://www-01.ibm.com/software/support/lifecycle/index_c.html.

Support for subsequent new releases of z/OS and CICS TS will be advised through technical bulletins and product updates.

NOTE
For more information about the latest support policies, see the Customer Support website at http://www.bmc.com/support_home.

Customer support

If you have problems with or questions about a BMC product, see the Customer Support website at http://www.bmc.com/support_home. You can view or download product documents, find answers to frequently asked questions, and download products and maintenance. If you do not have access to the web and you are in the United States or Canada, contact Customer Support at 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.