BMC is releasing version 12.1.00 of the MainView for DB2 product.

MainView for DB2 is available as a stand-alone product and as a component of the BMC MainView for DB2 Management solution.

Note
Before you begin installation, BMC recommends that you check the Support Central website at http://www.bmc.com/support for:
- Updated product documentation (for example, flashes and technical bulletins)
- Product downloads, patches, and fixes (PTFs)
- Product availability and compatibility data

These release notes supplement and supersede the product documentation and discuss product enhancements and resolved problems.

The following topics are discussed:

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What's new

These topics describe the changes or new features in this release.

Support of IBM updates to accounting and statistics records

MainView for DB2 now supports changes to the following records:
- Accounting records that use IFCID 03 and 239
- Statistic records that use IFCIDs 01 and 02
- Monitor records that use IFCID 148

Support for IBM DB2 Version 12

This release adds support for DB2 Version 12. This release supports:
- DB2 Version 12
- DB2 Version 11
- DB2 Version 10 in new-function mode (NFM) only

Support for new IFI accounting and statistics fields

MainView for DB2 now supports the new IBM instrumentation facility interface (IFI) accounting and statistics fields that IBM introduced with the In-Database Transformation (IDT) feature.

The following views support the new accounting fields:
- Thread History Traces (HTLOGS)
- Thread intervals
- Thread query
- DB2 trace entries (LTRAC)
- Trace package
- Summary trace (STRAC)
- Trace statistics (TSTAT)
- Batch print (DZTBPRINT)
Thread detail (DUSER)
- Users (THDACTV)

In addition, the Accounting Summary report also supports the new accounting fields.

The following new views support the new statistics fields:
- AASQL
- AASQLD

**Update to the DB2 Analytics Accelerator Statistics (AASTATS) views**

The AASTATS views now display accelerator activity with key statuses. From AASTATS, you can hyperlink to the following new views:
- AASERV—accelerator status
- AASQL—SQL statistics

From these views, you can also hyperlink to detail views.

**Ability to display object data for long-running SQL statements**

MainView for DB2 now displays data from the BMC APPTUNE product on the APPSTOBJ view.

APPSTOBJ displays object data for a currently executing SQL statement for an active thread, and other metrics that APPTUNE collects (such as GETPAGES and I/O data).

You can access APPSTOBJ from the THDACTV view by hyperlinking on the In DB2 CPU Time column for a thread with SQL activity.

To display this view, the following conditions must exist:
- You must have a license for APPTUNE.
- APPTUNE must be active on the DB2 subsystem where the thread is running.
- Object collection should be enabled.
Support of NGT Load for loading Performance Reporter tables

You can now use the BMC Next Generation Technology Load for DB2 for z/OS (NGT Load) utility to load Performance Reporter tables.

The NGT Load utility loads DB2 tables by placing each table in its own table space, in order to improve performance and manageability.

You can use the following utilities to load Performance Reporter tables:

- NGT Load
- IBM LOAD
- BMC LOADPLUS

NGT Load is the preferred table load utility. Future releases of MainView for DB2 will not support the BMC LOADPLUS utility.

New control statement for refining the scope of a report

You can use the new FILTERDATA control statement to specify filtering criteria to refine the scope of Data Collector batch reports.

This enhancement lets you produce reports based on specific report fields (such as Class 1 CPU and elapsed times), without having to request customized batch reports.

Increased DB2 partition number

MainView for DB2 now supports the IBM DB2 partition number change from 4096 to a five-byte number. This change affects selectors, views, and Data Collector reports.

End of support for the USERS Analyzer Service

Starting with this release, MainView for DB2 does not support the USERS Analyzer Service. Earlier releases of MainView for DB2 will continue to support this service.
Installation System changes

Beginning with version 3.1.00 of the Installation System, new product releases necessitate a new Installation System FMID. Before installing any products, always ensure that you have the most recent version of the Installation System installed and that you have refreshed its runtime environment.

This change enables PTF maintenance for individual levels of the Installation System. The change also eliminates the requirement to provide the Installation Maintenance Value, which simplifies the installation process.

For more information, see the release notes for the most current version of the Installation System.

Installation, maintenance, and migration

You install MainView for DB2 by using the Installation System.

Installing the Installation System or a product

The Installation System is installed and maintained by using SMP/E. Installing the Installation System creates the required SMP/E environment. Use the following procedures to install the Installation System or products.

Before you begin

If you need more information, see these sources:

- For software, hardware, and other requirements, see the Installation System documentation.

- For information about installation changes, see the Installation System release notes.

If you prefer physical installation media instead of downloaded images, request physical media from your BMC sales representative. Contact information is available on the BMC website.
To install the Installation System

1 Review the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central.

2 Go to http://www.bmc.com/support/downloads-patches/mainframe-installation.html, or select Mainframe Installation from the Downloads & Products menu on Support Central.

3 Click Installation System.

4 Click the method you want to use to obtain the Installation System, and follow the provided procedures.

--- WARNING ---
The Installation System must be installed into its own SMP/E zone. You should not install anything else into this zone.

To install a product

1 Ensure that you have the most recent version of the Installation System installed and that it has any required PTFs applied.

   To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

2 Start the Installation System.

3 Follow the on-screen prompts.

   For more information, see the Installation System documentation.

Maintaining the Installation System or a product

Use the following procedures to maintain the Installation System or products.

To maintain the Installation System

1 Perform one of the following actions:
   - If you have the most recent version of the Installation System installed, apply any required PTFs.
Install the most recent version of the Installation System, and apply any required PTFs.

To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

2. Refresh the Installation System runtime data sets by running the $205RTEC and $206RTEC jobs (in order).

3. Restart the Installation System.

To maintain a product

1. Check Support Central for product notices, such as technical bulletins about fixes and Recommended Service Level (RSL) availability.

2. Use BMC ISR (recommended) to obtain product PTFs and RSLs.

3. Run the $176APLF installation job to ensure that all required FMIDs are applied.

4. Apply the product maintenance to the product’s SMP/E environment.

For more information, see Installation System Reference Manual.

FMID and version information

MainView for DB2 uses version 3.1.00 (or more recent) of the Installation System.

Note

Always use the most recent version of the Installation System and ensure that it has any required PTFs applied.

To determine the most recent version number, see the most recent Installation System release notes on any product page from the A-Z Supported Product List on Support Central. To determine the version number of your current Installation System, see the title line on the Installation System Main Menu. Required PTFs are announced in technical bulletins.

Installation installs the following versions and SMP/E FMIDs:

<table>
<thead>
<tr>
<th>FMID</th>
<th>Product</th>
<th>Version</th>
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</thead>
<tbody>
<tr>
<td>ASAR71C</td>
<td>SAS_C and SAS_C++ V71</td>
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<tr>
<td>FMID</td>
<td>Product</td>
<td>Version</td>
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<td>----------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>ASAR71D</td>
<td>SAS_C V71 7.1</td>
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<tr>
<td>BBACM20</td>
<td>COMMON release elements</td>
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<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
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<td>BBBBX16</td>
<td>BBX Subsystem Services</td>
<td>1.6.00</td>
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<tr>
<td>BBGAD41</td>
<td>DYNAMIC AREA MANAGER</td>
<td>4.1.00</td>
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<tr>
<td>BBIIS25</td>
<td>BBQ Interval Services</td>
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<tr>
<td>BBISS26</td>
<td>BBI SUBSYSTEM</td>
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<td>BBLBQ11</td>
<td>MainView VP Common Code</td>
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<tr>
<td>BBTTC11</td>
<td>MainView TCP/IP Interface</td>
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</tr>
<tr>
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<td>BASE TECHNOLOGY STUBS</td>
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<td>LOSZ120</td>
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<td>SAS_C V5</td>
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<td>ZACSC10</td>
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<td>Install Execution Code</td>
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<td>ZBBA220</td>
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<td>ZBBM620</td>
<td>MainView Infrastructure</td>
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<td>MainView for DB2 - Windows Mode</td>
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<tr>
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<td>MainView for DB2 - Monitors</td>
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<tr>
<td>ZBDSC1Z</td>
<td>MainView for DB2 - Analyzer Services</td>
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<td>ISR External Routines</td>
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<td>ZDASC10</td>
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<td>IMZ Release FMID</td>
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<td>ZMCV100</td>
<td>Customization Generation</td>
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<tr>
<td>ZMRE110</td>
<td>Rules Engine &quot;e&quot; code</td>
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<td>NGL Common Code</td>
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<td>ZOSZ210</td>
<td>RTCS Kernel</td>
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<td>ZPSSC10</td>
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<td>ZZIO180</td>
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</tr>
</tbody>
</table>

The preceding table contains the FMIDs for MainView for DB2 only. You can also obtain product, solution, and component information (FMIDs, codes, and versions) in the following ways:

- View the generated installation JCL member $176APLF.
  To search the file, search on the word `FORFMID`.

- View one of the following reports:
  - Optimization products, common products, and common components
  - BMC products for IBM DB2
  - BMC products for IBM IMS
  - MainView products

To access the reports on Support Central, take the following steps:


2. Click **Product codes and FMIDs**.

3. Click one of the listed reports.
Migration considerations

When you migrate the software, consider the following items:

- If you are using MainView Customization, or manually updating the UBBParm member BBINJT00, you must define a DB2 Version 12 subsystem as follows:
  
  ```
  TARGET=XXXX,TYPE=DB2,SUBSYS=YYYY,RELEASE=1210
  ```

  — `XXXX` is the DB2 subsystem SSID.

  — `YYYY` is the BBI-SS PAS SSID for MainView for DB2 12.1.

  **Note**

  You can optionally specify the ALIAS keyword.

Support status

You can find the support status for specific product versions on the Support Central website. Selecting a product from the “A – Z Supported Product List” shows:

- All versions of the product and their current support levels (full or limited)
- Dates on which support ends

For more information about the latest support policies, see the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support).

Product documentation

From the Support Central website ([http://www.bmc.com/support](http://www.bmc.com/support)), you can:

- Link to the BMC Documentation Center to browse documentation sets ([http://www.bmc.com/available/documentation-center.html](http://www.bmc.com/available/documentation-center.html) or, for secured documentation sets, [http://www.bmc.com/available/documentation-center-secure.html](http://www.bmc.com/available/documentation-center-secure.html))

- View Quick Course videos (short overviews of selected product concepts, tasks, or features), which are available from the following locations:
  - Documentation Center (primary center and secured center)
—Support Central (at http://www.bmc.com/support/mainframe-demonstrations)

—BMC Mainframe YouTube channel (https://www.youtube.com/user/BMCSoftwareMainframe)

View individual product documents (books and notices) within the “A – Z Supported Product List” (https://webapps.bmc.com/support/faces/az/supportlisting.jsp)

You can order hardcopy documentation from your BMC sales representative or from the support site. You can also subscribe to proactive alerts to receive e-mail messages when notices are issued.

Customer support

If you have problems with or questions about a BMC product, see the support website at http://www.bmc.com/support. 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 1 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.