BMC is releasing version 6.1.01 of the MainView Infrastructure product.

**Note**
Before you begin installation, BMC recommends that you check the Support Central website at [http://www.bmc.com/support](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.

The following topics are discussed:

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**What's new**

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

Version 6.1.01 of the MainView Infrastructure product provides an updated version of the MainView Logger facility.

The MainView Logger refers to a facility that logs important messages or events in a centralized repository for any BMC product (or product running with the MainView Infrastructure).

The following components are new to the MainView Infrastructure product and support the updated MainView Logger:

- DB2 Component Services (DBC)
- BMC Next Generation Logger (NGL)

In earlier versions, the MainView Logger ran as a started task, supporting multiple tasks within the same address space. The updated MainView Logger now runs as a service within DB2 Component Services (DBC) without its own address space and supports greatly increased amounts of data produced by IBM zArchitecture systems by storing the information in the BMC Next Generation Logger (NGL).

The DBC subsystem is a long-running-service address space that remains active for the life of an IPL and provides the following benefits:

- Uses 64-bit storage
- Accommodates IBM System zIntegrated Information Processors (zIIPs)
- Avoids ASN reuse issues
- Uses XML-based initialization
- Is API-driven (build independent)
- Supports dynamic product registration and installation
- Facilitates concurrent use by many products
- Allows recycling products without recycling the subsystem

The NGL logs and retrieves data based on application-defined keys and a time span. Running as a service within the DBC subsystem, NGL relies on the BMC Runtime Component System (RTCS) for registry services. DBC can support one or more instances of NGL. Each NGL instance can support multiple log sets, which are groups of IBM z/OS linear data sets (or log files) in which NGL stores data records.

Configuration considerations using the BMC Installation System

Installing MainView Infrastructure now includes steps for installing the DBC, which NGL uses. Use the BMC Installation System and its configuration applications to install and set up the DBC and NGL components. For more information, see the
Installation System Reference Manual or the MainView Customization Reference guide.

If you do not have another BMC product that has the DBC and NGL components already installed, you must use the $904ALC1 job to allocate the required MainView Logger version 6.1.01 data sets for every LPAR selected in the sysplex. The INSTALL PDS members, $CJCKLST and $$$$READ, provide a list of considerations and steps for the deployment activity. These members describe any additional jobs to set up another DBC and NGL instance on an LPAR.

**Note**

If you have another BMC product that has the DBC and NGL components already installed, you should use the same BMC Installation System profile repository when you install version 6.1.01 of MainView Infrastructure. Information about the configuration of DBC and NGL is stored in the profile repository; if you do not reuse the existing repository, you will have to specify that information again when you install the new version of MainView Infrastructure.

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**Requirements**

MainView Infrastructure 6.1.01 must run in a system with the following infrastructure components and versions:

- Version 2.1.00 of the BMC Runtime Component System (RTCS)
- Version 10.3.00 of the Next Generation Logger (NGL)

After installing MainView Infrastructure 6.1.01, you must download and apply the following PTF from BMC ISR before starting MainView Infrastructure:

- BQY1123

In addition, if you are using the following versions of MainView for IMS and Energizer for IMS Connect, you must apply the following PTFs after installing MainView Infrastructure 6.1.01:

- PTF BPK2900 for version 5.2.00 of MainView for IMS
- PTF BPK2901 for version 5.1.00 of MainView for IMS
- PTF BQQ2008 for version 1.7.00 of Energizer for IMS Connect

For more information regarding these PTFs and other items, see the Technical Bulletins dated September 22, 2016 for Mainview for IMS and Energizer for IMS Connect.
Migration considerations

After MainView Infrastructure 6.1.01 is installed, MainView products will start sending their logging data to the 6.1.01 version of the MainView Logger. In addition, you should be aware of the following migration considerations:

- MainView Infrastructure 6.1.01 is downward compatible with MainView products.
- MainView products will start using version 6.1.01 of the MainView Logger as soon as the new MainView Logger is started.
- You can no longer start the MainView Logger version 6.1.00 (or earlier) from the libraries that have MainView Infrastructure version 6.1.01 installed.
- You can use your existing LOGGERxx members without modifications with version 6.1.01 of the MainView Logger.
  One exception is you cannot use the same value from the LOGSSID as the NGL product instance identifier (PIID). The NGL PIID must have its own unique value for the DBC environment.

**WARNING**

To revert back to the earlier logspaces from version 6.1.01, you must perform an IPL to use the earlier MainView Infrastructure libraries.

MainView Logger 6.1.01 can use the MainView Logger 6.1.00 (or earlier) environment and update it during startup. The installation process provides a migration utility that can copy the data from the earlier versions of the MainView Logger to MainView Logger version 6.1.01 repositories. You can also choose to manually run the migration JCL at anytime by following the procedure in “Migrating earlier versions of the MainView Logger data to version 6.1.01” on page 4.

Migrating earlier versions of the MainView Logger data to version 6.1.01

You can manually migrate MainView Logger version 6.1.00 (or earlier) log spaces to MainView Logger version 6.1.01 log spaces by retaining access to the earlier version's REGISTER file and log files and performing the procedure below.

The MainView Logger conversion utility is an optional utility to copy the MainView Logger records from version 5.0 BDAM files to the version 6.1.01 Media Manager file systems. The conversion allows you to have either online or batch access from version 6.1.01 to data records written in version 5.0.
Note

If you don't need online or batch access to the version 5.0.00 files, then you do not need the conversion utility for those files.

You must ensure that the amount of data you want to convert from version 5.0.00 BDAM files does not exceed the amount of data that the version 6.1.01 Media Manager files can store. If the amount of version 5.00 data exceeds the version 6.1.01 file space, the conversion process automatically overwrites converted older 5.0.00 data with newer 5.0.00 data until all of the data is processed. Therefore, if the 5.00 data exceeds what version 6.1.01 file spaces can hold, you will not have access to the older 5.0.00 data.

BBSAMP member MVLOGCV provides JCL that migrates MainView Logger data from earlier versions of the MainView Logger to MainView Logger running on MainView Infrastructure version 6.1.01. The following shows an example of the JCL:

```plaintext
//CONVERT EXEC PGM=BBM9ZLCV,REGION=4M
//STEPLIB DD DISP=SHR,DSN=hlq..BBLINK
//                   DD DISP=SHR,DSN=hlq..XXLINK
//-- DD DISP=SHR,DSN=hlq..DBLINK
//SYSPRINT DD
//SYSOUT=*  
//REGISTER DD DISP=SHR,DSN=hlq..REGISTER
//SYSIN * 

DBCID=xxxx
NGLID=yyyy
LOGSET=logSetName
```

To view a Quick Course about converting log records, use the link below:

For more information, view the Quick Course "Converting log records"

To complete the migration JCL

1. Find the earlier version's MainView Logger REGISTER file by reviewing its BBPARM member LOGGERxx. Locate the REGISTERDSN= keyword and value. Enter the value on the ddname REGISTER line.

2. Identify the DBCID and the NGLID from the current DBC started task by reviewing the message BBMZL449I CONNECTED TO DBCID=xxxx AND NGLID=yyyy Enter the DBCID and NGLID into the JCL for DBCID= and NGLID= values.

3. Locate the log set name from the current DBC Started Task by reviewing the message BBMZL450I GENERATED LOGSET=NMIxxxx FOR SSID=xxxx.
Enter the logset name into the JCL for the LOGSET= value.

Submit the job.

Once the job is complete, check the ddname SYSPRINT for the logs and number of records converted; an example follows:

<table>
<thead>
<tr>
<th>Logset</th>
<th>Total records written</th>
<th>Total records skipped</th>
</tr>
</thead>
<tbody>
<tr>
<td>DYCOA.DYCL08RJ.DYCL.DSLSI.A1606101</td>
<td>00000028</td>
<td>00000000</td>
</tr>
<tr>
<td>DYCOA.DYCL08RJ.DYCL.DSLSI.A1605801</td>
<td>00116487</td>
<td>00000000</td>
</tr>
</tbody>
</table>

**Installation and maintenance**

MainView Infrastructure is installed by using the Installation System.

The Installation System is installed and maintained by using SMP/E. Installing the Installation System creates the required SMP/E environment. Subsequently, you maintain this environment by applying PTFs. You will need to install the Installation System again only when BMC releases a new version of it.

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. Obtain the most recent Installation System release notes from any product page on the Support Central website. You will need the Installation System release and maintenance numbers.


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.

**To install a product**

1. Ensure that the Installation System is up-to-date.

2. Start the Installation System.

3. Follow the on-screen prompts.
   For more information, see the Installation System documentation.

**Maintenance**

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

**To maintain the Installation System**

1. Obtain the most recent Installation System release notes from any product page on the Support Central website.
   Depending on how you perform the update, you will need the maintenance PTF number, the release number, and the maintenance number.

2. Use one of the following methods to obtain the maintenance PTF:
   - BMC Internet Service Retrieval (BMC ISR), which is the recommended method
     For information about BMC ISR, see the maintenance information in the *Installation System Reference Manual*.
   - eFix PTF Distribution Services (eFix)

3. Apply the maintenance to the Installation System SMP/E environment.

4. Refresh the Installation System runtime data sets.
   You can use the $205RTEC and $206RTEC jobs to:
   - Rebuild the runtime environment after applying maintenance
   - Build a new runtime environment (for example, if you want environments that differ based on the maintenance applied)

5. 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 PTFs and RSLs.

3. Successfully 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 the Installation System documentation.

FMID and version information

MainView Infrastructure uses version 3.0.00 of the Installation System. The maintenance version (used in the Installation System setup utility) is 3030. The maintenance PTF is BPJ1505, which updates the Installation System if already installed.

Note

If you have a later version of the Installation System, use that version to install the solution, product, or component.

During installation, the following versions and SMP/E FMIDs are installed:

<table>
<thead>
<tr>
<th>FMID</th>
<th>Product or component</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASAR71C</td>
<td>SAS_C and SAS_C++ V71</td>
<td>71</td>
</tr>
<tr>
<td>ASAR71D</td>
<td>SAS_C V71</td>
<td>71</td>
</tr>
<tr>
<td>BBAAA20</td>
<td>Global Installation &amp; Customization</td>
<td>20</td>
</tr>
<tr>
<td>BBACM20</td>
<td>COMMON release elements</td>
<td>20</td>
</tr>
<tr>
<td>BBASC70</td>
<td>SAS_C V70B</td>
<td>70</td>
</tr>
<tr>
<td>BBBBX16</td>
<td>BBX Subsystem Services</td>
<td>16</td>
</tr>
<tr>
<td>BBGAD41</td>
<td>DYNAMIC AREA MANAGER</td>
<td>41</td>
</tr>
<tr>
<td>BBIIS25</td>
<td>BBQ Interval Services</td>
<td>25</td>
</tr>
<tr>
<td>BBISS26</td>
<td>BBI SUBSYSTEM</td>
<td>26</td>
</tr>
<tr>
<td>BBLBQ11</td>
<td>Mainview VP Common Code</td>
<td>11</td>
</tr>
<tr>
<td>ZIMZ74M</td>
<td>Integration Manager for z/OS</td>
<td>74</td>
</tr>
<tr>
<td>ZIMZ740</td>
<td>IMZ RELEASE FMID</td>
<td>74</td>
</tr>
</tbody>
</table>
The preceding table contains the FMIDs for MainView Infrastructure 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.

**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.

**Product documentation**

From the Support Central website (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 or, for secured documentation sets, 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.

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