BMC originally issued these release notes on December 5, 2014. They are being reissued to add information about known issues. Revision bars in these release notes denote differences from previous editions.

BMC is releasing version 2.4.00 of the Installation System.

**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 (PAC) 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.

For a short video describing what’s new in this release, see "BMC Installation System - Installation System Release Highlights." In the BMC Documentation Center, you can access videos via Quick Course Library in the Contents pane on the left.

Delineated installation and configuration

The installation process and the configuration process (formerly known as customization) are now separated from each other. This separation makes it easier for one person to perform installation tasks and another person to perform configuration tasks.

Streamlined user interface

The redesigned Installation System has fewer panels, significantly reducing installation and configuration times. Also, the redesigned user interface features:

- Menus that present tasks in sequential order
- Consistent navigation and function keys
- Highlighting for available options
- Improved online Help

Installation System repository

A new Installation System repository replaces the installation profile repository and stores information about:

- Installation projects
- Site wide default values

The Runtime Component System (RTCS) hosts the repository. Consequently, RTCS must be active on the system on which you run the Installation System. All systems configured to use this RTCS share the same Installation System repository.
Projects

In this release, projects have replaced installation profiles. Projects encompass the actions needed to install and configure one or more products. Each project completes these actions:

- Accumulates the information needed to generate the JCL to install and configure a product
- Enables you to install and configure one or more products, solutions, families, and components

Using projects offers these advantages:

- You can exit and resume the installation and configuration at any time.
- Multiple people can use the same project—although only one person can access the project at a time.
- You can reuse and copy projects (for example, for subsequent installations).
- Projects are stored in the installation repository and remain there unless manually deleted.

Runtime data sets and user libraries

The Installation System now configures products to execute from runtime data sets. (BMC no longer supports executing from SMP/E target data sets.) During configuration, you specify the runtime data sets to use for the project. You can use an existing runtime library or a new one.

By default, all products use the same low-level qualifiers (LLQs) for runtime data sets. Using this recommended default accommodates product maintenance and provides a consistent deployment, regardless of the product involved.

As products move toward delivering granular DDDEFs, more of the SMP/E target libraries will appear as non-merged. As a result, you will see an increase in the
number of files being created for target and distribution libraries. Other runtime options allow you to copy the SMP/E target content using BB/DB/IM/XX as the LLQs, or you can customize your own LLQs.

This release also streamlines user libraries to support one user library per data set type. For example, instead of having UBBPLIB, UXXPLIB, and UDBPLIB, you will have HLQ.UBMCPLIB. An exception is the MainView product line, which will continue to use UBBPLIB.

**Deployment-ready JCL**

This release replaces the deployment feature with deployment-ready installation and configuration JCL. Using include files, you can easily modify the generated JCL for use on multiple systems. To deploy the products in a project, copy the generated JCL to where you want to run it and update the include files.

**Site-wide default values**

To eliminate repetitious entry of required information, the redesigned Installation System uses site-wide default values for common installation and configuration activities. All Installation System users use the default values. When a user creates a new project, the project inherits the defaults. However, users can override these values in the project as needed.

**Redesigned documentation**

The Installation System redesign includes enhanced and updated documentation:

- **Books**
  
  The new *Installation System Quick Start* book briefly introduces the installation and configuration processes and takes you through the basic steps. You can find detailed information in the *Installation System Reference Manual* (formerly the *Installation System User Guide*).

- **Online Help**
  
  New and updated online Help explains:
  
  — The purpose of each panel
  
  — Each panel field
Quick Courses
The following new and updated Quick Courses are available:

- BMC Installation System - Installation System Release Highlights
- BMC Installation System - Installation System Overview
- BMC Installation System - Installation System Setup
- BMC Installation System - Distributed FTP Physical Media
- BMC Installation System - Installation System Software Updates
- BMC Installation System - Installation Projects
- BMC Installation System - Installation System Repository
- BMC Installation System - Set up bootstrap RTSC
- BMC Installation System - Site Wide Defaults
- BMC Installation System - Infrastructure Configuration
- BMC Installation System - DB2 Configuration
- BMC Installation System - IMS Configuration
- BMC Installation System - MainView Configuration
- BMC Installation System - Multiple Subsystem ID (MSSID) Installs
- BMC Installation System - Streamlined Installation and Configuration JCL
- BMC Installation System - Non-VSAM Userlib Data Sets
- BMC Installation System - Runtime Library Options
- BMC Installation System - Product Deployment
- BMC Installation System - BMC Maintenance Offerings

Known issues
This section describes issues that remain open in this release.
MainView product data sets appear not to merge into runtime data sets

The Installation System appears not to merge the MainView product data sets into the runtime data sets when the following conditions exist:

- You are using version 2.4.00 of the Installation System.
- You have not run the configuration jobs.

To correct the issue, generate and run the installation and configuration jobs.

When generating the configuration jobs, select one of the following options for the Change Values field in the Low Level Qualifiers section on the Runtime & Other Data Sets panel:

- If you do not have a Mainview product installed or you want to use the new runtime library structure, specify option 1.
- If you already have a MainView product installed, specify option 2.

Missing JCL skeletons prevent building the JCL for setting up the bootstrap RTCS

Version 2.4.00 of the Installation System is missing the JCL skeleton required to build the JCL for setting up a bootstrap Runtime Component System (RTCS). The installation system builds the $000$* bootstrap RTCS jobs but the members are empty with a size of zero (0) bytes.

RTCS hosts the Installation System repository and must be active on the system on which you run the Installation System.

**Note**
Use the bootstrap RTCS only if RTCS services are not present on any of your IBM zSeries systems.

To correct the issue, use the following procedure to download and decompress a file that contains the JCL skeletons:

1. Use the following sample job to download the file:

```bash
//<JOB_NAME> JOB ((<ACCOUNT>),'USER COMMENT',
// CLASS=<JOB_CLASS>,MSGCLASS=<MSG_CLASS>,
// TIME=1440,REGION=0M,NOTIFY=&SYSUID
//*
/****************************************************************************
//* DESCRIPTION:
/* This job downloads the terse file containing JCL skeletons
```
for the installation system RTCS bootstrap job build.

** STEPS:

** 1. Customize the jobcards to comply with your site requirements

** PARAMETER TO OVERRIDE/CHANGE:

**  Job Name - Change <JOB_NAME> to a valid job name for your site.
**  Job Account - Change <ACCOUNT> to a valid job account for your site.
**  Job Class - Change <JOB_CLASS> to a valid job class for your site.
**  Message Class - Change <MSG_CLASS> to a valid message class for your site.

** 2. Modify the FTPGET step parameters to comply with your site requirements. Remove any parms that are not needed. The syntax in the input DD is case sensitive.

** PARAMETER TO OVERRIDE/CHANGE:

**  UNIT - Change <unit> to a valid DASD unit for your site.
**  VOLUME - Change <volume> to a valid VOLUME serial number for YOUR SITE.
**  SMS storage class - CHANGE <smsStorageClass> to a valid SMS storage class for your site.
**  SMS management class - CHANGE <smsManagementClass> to a valid SMS management class for your site.
**  SMS data class - Change <smsDataClass> to a valid SMS data class for your site.
**  Terse file - Change <Terse_HLQ> to allocate terse file on your host system.

** 3. Make any additional changes that your site requires, such as providing proxy information to get outside firewall.

** 4. Submit this JOB to FTP requested files.

/FTPGET EXEC PGM=FTP,REGION=5120K,PARM='epddownload.bmc.com (timeout 720 exit=8'
/SYSDUMP DD SYSOUT=*
/SYSPRINT DD SYSOUT=*
/SYSOUT DD SYSOUT=*
/OUTPUT DD SYSOUT=* 
/INPUT DD *
mainframe Boxing01
cd /bmc/esd/ozi
binary
locsite rec=fb lr=1024 blk=6144
locsite cy pri=1 sec=1
locsite u=<unit>
locsite vol=<volume>
locsite stor=<smsStorageClass>
locsite mg=<smsManagementClass>
2 Use the following sample job to decompress the downloaded file:

```bash
//<JOB_NAME> JOB (<ACCOUNT>), 'USER COMMENT',
// CLASS=<JOB_CLASS>, MSGCLASS=<MSG_CLASS>,
// TIME=1440, REGION=0M, NOTIFY=&SYSUID
/*
** DESCRIPTION:
** This job will unterse the skeleton file to a PDS.
**
** STEPS:
**
** 1. Customize the jobcards to comply with your site requirements
**
**   PARAMETER TO OVERRIDE/CHANGE:
**
**   Job Name - Change <JOB_NAME> to a valid job name for your site.
**
**   Job Account - Change <ACCOUNT> to a valid job account for your site.
**
**   Job Class - Change <JOB_CLASS> to a valid job class for your site.
**
**   Message Class - Change <MSG_CLASS> to a valid message class for your site.
**
** 2. Modify the TRSOUT step parameters to comply with your site requirements.
**
**   PARAMETER TO OVERRIDE/CHANGE:
**
**   Terse file - Change <Terse_HLQ> for file names to unterse on your system
**
** 3. Submit this JOB to unterse file.
*/
```

3 Copy the skeletons from the decompressed file to the `hilevel.BMC.INSTALL` data set.

4 Start the Installation System by entering the following command:

```bash
EX 'hilevel.BMC.INSTALL(BMCINSTDL)'```
5 Continue with the procedure for building the JCL for the bootstrap RTCS.
   For more information, see the Installation System documentation.

**Installation**

The Installation System is obtained and installed the first time you install a BMC product. From time to time, BMC upgrades the Installation System, and you can install the new version at any time. However, installing or upgrading a particular product might require the upgraded Installation System. In that case, the Installation System indicates that you need to upgrade it.

**Note**

To download the latest version of the Installation System, complete these steps:

1. Go to [http://www.bmc.com/support/reg/installation-system.html](http://www.bmc.com/support/reg/installation-system.html), or navigate to the “BMC data management for DB2 and IMS, MainView, and cost optimization products installation and maintenance” section of the BMC Support Central website.
   A BMC support user ID and password are required.

2. Click **Installation**.

3. Follow the procedures.

To request physical shipments, contact your BMC sales representative. Contact information is available on the BMC website.

The Installation System includes the following utilities and installs them when you install a product:

- BMC Internet Service Retrieval (BMC ISR)
  Use BMC ISR to request, retrieve, and apply product maintenance.

- BMC Support Tool
  Use this tool to provide diagnostics information to BMC Customer Support.

For complete information about using the Installation System, see the *Installation System Reference Manual*. 
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 (https://webapps.bmc.com/infocenter/index.jsp) to browse documentation sets

- View Quick Course videos (short overviews of selected product concepts, tasks, or features), which are available from the following locations:
  - Documentation 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”

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.