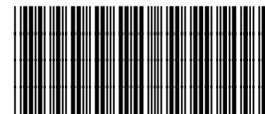


MAINVIEW[®] for DB2[®]

Release Notes

Version 7.1.00

April 30, 2001



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MAINVIEW for DB2 version 7, release 1 contains many new and improved features and functions. This document summarizes these enhancements so you can quickly see what's new.

If you are using MAINVIEW for DB2 for the first time, you might want to read this document to get an idea about the latest features this product offers.

If you are currently using MAINVIEW for DB2 6.1 or earlier, you should read this document to learn about what's new or changed.

If you are upgrading to MAINVIEW for DB2 7.1 from an earlier release, you should read this document and “Part 1. Preparing for Customization” in the *MAINVIEW[®] for DB2[®] Customization Guide*.

The following topics are discussed:

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Documentation Guide

A complete set of product manuals is shipped with your MAINVIEW for DB2 products. Table 1 and Table 2 are provided to help you decide when to use each of these documents. Table 1 shows you which documents to use when performing administrative tasks and Table 2 on page 3 summarizes documentation for user tasks. Figure 1 on page 4 summarizes graphically how to use all the books in the MAINVIEW library.

If you need to perform administrative tasks, such as product installation, customization, or security implementation, use Table 1 as a guide.

Table 1 Administrator Documentation

| Task | Name of Book |
|--|--|
| Install products | <ul style="list-style-type: none"> • <i>MAINVIEW® for DB2® Release Notes</i> • <i>Installation Checklist Generator</i> • <i>OS/390 and z/OS Installer Guide</i> • <i>MAINVIEW® Installation Requirements Guide</i> |
| Prepare MAINVIEW environment | <ul style="list-style-type: none"> • <i>MAINVIEW® Common Customization Guide</i> |
| Customize products | <ul style="list-style-type: none"> • <i>MAINVIEW® for DB2® Customization Guide</i> • <i>RxD2™ User Guide</i> |
| Optional: Customize MAINVIEW Alternate Access and prepare Alarm Manager environment | <ul style="list-style-type: none"> • <i>MAINVIEW® Alternate Access Implementation and User Guide</i> • <i>MAINVIEW® Alarm Manager User Guide</i> |
| Optional: Set up Web browser on a Windows workstation | <ul style="list-style-type: none"> • <i>MAINVIEW® Explorer Implementation and User Guide</i> |
| Optional: Establish SAF security for MAINVIEW products | <ul style="list-style-type: none"> • <i>Implementing Security for MAINVIEW® Products</i> |
| Maintain MAINVIEW environment | <ul style="list-style-type: none"> • <i>MAINVIEW® Administration Guide</i> |

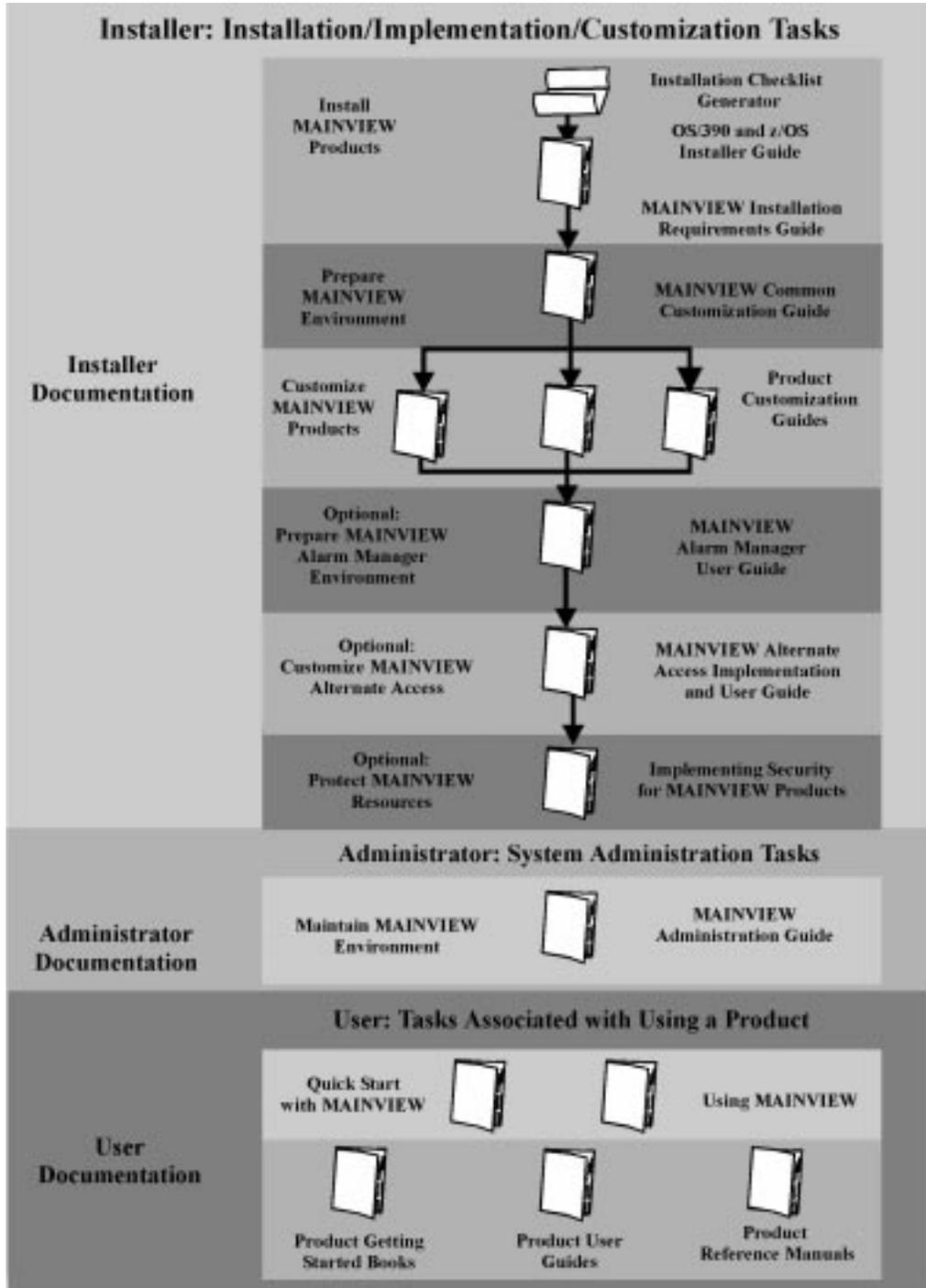
To make it easier to use your MAINVIEW for DB2 products, use Table 2 as a guide.

Table 2 User Documentation

| Task | Name of Book |
|---|--|
| See what's new | <ul style="list-style-type: none"> • <i>MAINVIEW® for DB2® Release Notes</i> |
| Learn how to use the products | <ul style="list-style-type: none"> • <i>Quick Start with MAINVIEW®</i> • <i>Using MAINVIEW®</i> • <i>Getting Started with MAINVIEW® for DB2® and RxD2™</i> |
| Use MAINVIEW for DB2: Views Online displays Application traces Batch reports Catalog/Explain tools | <ul style="list-style-type: none"> • <i>MAINVIEW® for DB2® User Guide Volume 1: Views</i> • <i>MAINVIEW® for DB2® User Guide Volume 2: Analyzers/Monitors</i> • <i>MAINVIEW® for DB2® User Guide Volume 3: Traces</i> • <i>MAINVIEW® for DB2® Performance Reporter User Guide</i> • <i>RxD2™ User Guide</i> |
| Use MAINVIEW products from a Web browser running on a Windows workstation | <ul style="list-style-type: none"> • <i>MAINVIEW® Explorer Implementation and User Guide</i> |

Figure 1 summarizes how to use all the books in the MAINVIEW library.

Figure 1 Organization of MAINVIEW



MAINVIEW for DB2 Changes

MAINVIEW for DB2 7.1 provides support for DB2 version 7, in addition to DB2 4.1, 5.1, and 6.1. It also supports IMS 6.1 and 7.1 and CICS/TS 1.3, as well as earlier supported releases of IMS and CICS.

A BBI-SS PAS can connect to DB2 subsystems at two release levels if the proper Call Attach (CAF) compatibility level is available in the DB2 load library used in the PAS.

The following enhancements are included in this release:

Version 7 Support

DB2 Version 7 Support

All existing areas of MAINVIEW for DB2 (views, analyzers, monitors, background exceptions, application traces, and Performance Reporter) provide full support of new DB2 7.1 features.

- All new statistics values are available in windows mode for the DB2 subsystem, the buffer pools, and the group buffer pools. New ZPARM and lockout values are also available.
- Monitors are updated to provide exception monitoring for DB2 7.1 features.
- Performance Reporter tables and reports include new DB2 7.1 information.

Pending DB2 7.1 Updates

BMC Software is continuing to monitor the IBM changes to DB2 7.1 and will provide PTFs as they become necessary.

Installation System

New Process Provides for Installation of Integrated BMC Software Solutions

MAINVIEW for DB2 version 7.1.00 is now installed by using the BMC Software OS/390 and z/OS Installer. This installation system provides the combined benefits of IEBCOPY and SMP/E.

- IEBCOPY loads all the required elements from tape but does not create a change management environment.
- SMP/E performs the actions of IEBCOPY and implements a change management environment.

The installation system combines tape images, copies files to your system (IEBCOPY or SMP/E), and creates installation JCL. The installation system delivers the speed and simplicity of IEBCOPY *and* the control and flexibility of SMP/E, enabling a fast customization path for customers who require a rapid installation and the ability to view each customization step.

The installation system provides the following options for installing your BMC Software products:

- Standard installation:
 - IEBCOPY unload (required)
 - SMP/E library creation (optional)
- Full SMP/E installation

The installation system provides a consistent distribution, installation, customization, and maintenance process for installing BMC Software solutions on OS/390 and z/OS platforms.

Note

The CPO installation process available with previous versions of MAINVIEW for DB2 is no longer available.

For more information about installing MAINVIEW for DB2, refer to the *OS/390 and z/OS Installer Guide* and the *MAINVIEW Installation Requirements Guide*.

Installation Checklist Generator

New Program Makes It Easier to Install Multiple BMC Software Products

The Installation Checklist Generator is now available on your documentation CD (BBDOC-33), and the most current version is on the BMC Software Web site at http://www.bmc.com/support/bmcsoftware_install. Using the checklist generator, you can select a set of products available in the installation system and produce an integrated checklist that lists each step you must complete for successful installation of multiple BMC Software products.

The checklist provides

- a list of pre installation tasks to complete and items to assemble
- the specific installation tasks to help you run the installation system and successfully complete the installation
- a list of the customization tasks necessary to run your product
- references to where you can find additional or supporting information

Note

The Installation Checklist Generator runs with Microsoft Internet Explorer 4 and later. Future versions of the Installation Checklist Generator will support Netscape Navigator.

Authorization Passwords

New Passwords Are Required

BMC Software has implemented an enhanced version of its Product Authorization utility. This enhanced version provides BMC Software customers with additional analysis tools and a standardized customer interface.

You now need to obtain an authorization password before installing MAINVIEW for DB2 7.1.00. A *Password Request Form* is included in the shipment with your product tapes. Fax this form to BMC Software to obtain your new passwords.

Additional information can be found in the *OS/390 and z/OS Installer Guide*.

Product Entry

Choose Where You Want to Start Working

You can now choose whether you want to start working in windows mode or full-screen mode when you first access MAINVIEW for DB2.

The new default begins with the DB2 SSI Easy Menu (EZDSSI) and a context of all active DB2 subsystems. This menu is a good starting point for working in windows mode. It provides direct access to context-oriented services for groups of DB2 subsystems.

However, if you expect to make more use of the full-screen services for a single DB2 target, you can choose to have the MAINVIEW for DB2 Primary Option Menu displayed when you first access the product, as before.

New Views

Dynamic SQL Cache Activity

Eleven new views show Dynamic SQL Cache activity:

- **WZCACHE** (Dynamic SQL Cache Menu) provides a few key statistics about the dynamic SQL cache usage and performance. You can hyperlink from this view to see the complete statistics about the dynamic SQL cache as well as several views of the statements currently in the cache.
- **STCACHE** (Dynamic SQL Cache Statistics) and **STCACHED** (Dynamic SQL Cache Statistics—Detail) provide an overview of the current usage of the cache, whether in the EDM pool or the SQL cache data space. They provide all the DB2 statistics concerning both global and local cache usage, including hit ratios.
- **SCSETF** (SQL Cache Statement Filters) allows you to specify filters to determine which SQL statements are returned.
- **SCFTOTZ** (SQL Cache Statement Filter Totals) summarizes the number of statements selected and provides hyperlinks to each of the statement-related tabular views.
- **SCSQL** (SQL Cache Statement List) lists the SQL statements in the cache with the available identifiers, current usage, and the first part of the SQL text.
- **SCSTATS** (SQL Cache Statement Statistics) is a tabular list of the statements in the cache showing the collected statistics.
- **SCWAITS** (SQL Cache Statement Waits) is a tabular list of statements in the cache showing the available wait time totals.
- **SCLIST** (SQL Cache Statement Elements List) is provided to make it easy for you to create a customized view of all the elements that you want to see about the SQL statements in the cache.

- SCSQLD (SQL Cache Statement—Detail) provides the complete information available about a selected SQL statement, including identifiers, execution statistics, and wait time totals.
- SCSTMTD (SQL Cache Statement Text) displays the SQL statement text.

Group Buffer Pool Page P-Lock Activity

Two new views show page P-Lock activity for group buffer pools:

- GBPLOCKM (Group Buffer Pool P-Lock Activity) provides statistics about group buffer pool P-Lock activity per pool for each DB2 member currently connected to it. You can use it to analyze group buffer pool P-Lock activity for each individual DB2 member.
- GBPLOCKZ (Group Buffer Pool P-Lock Activity—Summary) provides statistics about group buffer pool P-Lock activity. It is a summary of activity from each DB2 data sharing member currently connected to one or more pools. You can use it to analyze group buffer pool P-Lock activity from the viewpoint of the DB2 members.

Revised Views**Windows Mode Views Show New DB2 7.1 Values**

- Several ZPARAM views, including ZPTRACED, ZPTHDD, ZPIRLMLD, ZPSTGD, ZPDSETD, ZPAUTHD, ZQPARD, and ZPHDECP, show more than 15 new installation parameter values.
- Several Status views show new DB2 subsystem statistics values.
- A few Buffer Pool views show new values for buffer pool and group buffer pool activity.
- The detail Lockout view, LKEVD, shows new values for lockout events.

Monitors**Monitors Provide Detailed Exception Warnings for DB2 7.1**

- Several monitors are updated to include new DB2 7.1 SQL counts.
- Windows mode monitor plot views now hyperlink to other windows mode views, showing status or statistics information related to the exception.

Performance Reporter Tables

New Tables and Column Definitions

New accounting and statistics tables must be created to enable complete DB2 version 7 reporting:

- New DMRABDTL, DMRABSUM, and DMRABSM2 tables provide detail and summary accounting data per individual buffer pool.
- Many new columns are available in the accounting and statistics tables to provide DB2 version 7 data.
- New columns in all the accounting and statistics tables improve reporting and query capabilities:
 - day of the week
 - relative day of the week
 - relative week number
- Accounting columns are increased from INTEGER to REAL in order to support larger numbers during summarization.
- New index options are added to ensure unique keys:
 - IFCIDSEQ# is a new optional key in the accounting summary tables. This key allows you to load data at intervals during the day without duplicate keys messages and missing data.
 - CONSISTOKEN is a new optional key for the package accounting tables to preserve uniqueness of different package versions during summarization.
- If you choose to create new tables, a table migration aid is available to help you migrate your Performance Reporter tables from MVDB2 release 6.1 to release 7.1.

Additional Summarization Options

The accounting tables can now be summarized by week or month, in addition to minutes, hours, or days.

Performance Reporter Reports

Improved Reporting Capabilities

- You can now summarize report data from the DB2 tables by hour, day, week, month, work week, or weekend.
- You now have the option to use calculated relative dates to specify the date range for reported data from the DB2 tables. Use of the calculated relative dates is highly recommended and results in index usage with significant performance advantages over using the DB2 CURRENT DATE special register (which is still supported).

New and Revised Reports

- New accounting reports (ACBFXAA, ACBFXAP, ACBFXTA, ACBFXTP, SABFXAA, SABFXAP, SABFXTA, and SABFXTP) display data per individual buffer pool.
- The batch reports produced by Performance Reporter from SMF and from DB2 tables now include the new DB2 7.1 fields.

Documentation Changes

The following changes have been made to the documentation libraries for MAINVIEW for DB2 release 7.1 and RxD2 release 2.1:

- Installation Checklists

Installation checklists can now be merged to create a combined installation checklist for multiple products. See “Installation Checklist Generator” on page 7.

- Installation Manuals

The *Product Installation and Maintenance Guide* has been replaced with the following documents:

- *OS/390 and z/OS Installer Guide*
- *MAINVIEW Installation Requirements Guide*

- Customization Guides

- The *MAINVIEW® Implementation Guide* has been renamed the *MAINVIEW Common Customization Guide*.
- The *MAINVIEW for DB2 Customization Guide* is updated. Be sure to review the instructions about “Preparing for Customization” in Part 1.

- User Guides

The following volumes of the *MAINVIEW for DB2 User Guide* are updated and reorganized for this release:

- Volume 1: Views (formerly Volume 3)
- Volume 2: Analyzers/Monitors (formerly Volume 1)
- Volume 3: Traces (formerly Volume 2)

The *MAINVIEW for DB2 Performance Reporter User Guide* is also updated, with extensive changes to the “Performance Data Tables” section in Part 4 and to the “Using Performance Reporter” section in Part 1.

The *RxD2 User Guide* remains unchanged.

- Release Notes

This document is updated to give you a quick overview of the new features of MAINVIEW for DB2, release 7.1.

It replaces the former document, *MAINVIEW® for DB2® New Release Information*.

- Getting Started

Getting Started with MAINVIEW for DB2 and RxD2 provides updated tutorials that guide you through many of the new features of MAINVIEW for DB2, RxD2, and the hyperlinks between them. It also provides scenarios to help you use the new windows-mode views to solve problems and maximize performance.

Product Trials and Product Authorization

BMC Software licenses its products for use on individual CPUs. You must have a password to run most BMC Software products. For a CPU to be authorized, you must install the appropriate password. Permanent passwords are issued for BMC Software products you purchase. Temporary passwords are issued for BMC Software product trials.

Product Trials and Licenses

BMC Software can distribute its products on a trial basis. To arrange for a product trial or permanent license and appropriate password, contact the BMC Software Customer Password Team at 800 841 2031. Outside of the USA and Canada, contact your local BMC Software office or agent.

Product Authorization

Additional information can be found in the *OS/390 and z/OS Installer Guide*.

Installation

The BMC Software OS/390 and z/OS Installer process is documented in the *OS/390 and z/OS Installer Guide*.

Use the B1S or B1P tape to upgrade to MAINVIEW for DB2 7.1.00. For complete instructions on the installation and implementation of MAINVIEW for DB2, refer to the *OS/390 and z/OS Installer Guide* and the *MAINVIEW Installation Requirements Guide*.

How to Access Product Documentation

To view the latest BMC Software documents, visit the Customer Support page on the BMC Software Web site at <http://www.bmc.com/support.html>. Log on and select a product to access the related documentation. (To log on if you are a first-time user and have purchased a product, you can request a permanent user name and password by registering at the Customer Support page. To log on if you are a first-time user and have *not* purchased a product, you can request a *temporary* user name and password from your BMC Software sales representative.)