

MAINVIEW® SRM Customization Guide

Version 6.1

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Before you contact BMC Software, have the following information available so that a technical support analyst can begin working on your problem immediately:

- product information
 - product name
 - product version (release number)
 - license number and password (trial or permanent)
- operating-system and environment information
 - machine type
 - operating system type, version, and service pack or program temporary fix (PTF)
 - system hardware configuration
 - serial numbers
 - related software (database, application, and communication) including type, version, and service pack or PTF
- sequence of events leading to the problem
- commands and options that you used
- messages received (and the time and date that you received them)
 - product error messages
 - messages from the operating system, such as `file system full`
 - messages from related software

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About This Book

This book contains detailed customization information about MAINVIEW® Storage Resource Manager by BMC Software (formerly known as RESOLVE® SRM) and is intended for storage administrators.

To use this book, you should be familiar with

- OS/390 systems, job control language (JCL), and the Interactive System Productivity Facility (ISPF)

How This Book Is Organized

This book is organized as follows. In addition, an index and glossary appear at the end of the book.

Chapter/Appendix	Description
Chapter 1, "Installation Overview"	provides an overview of the BMC common install process and includes an installation checklist and worksheet
Chapter 2, "Installation Preparation"	provides information for you to use when preparing for product installation
Chapter 3, "Installation Customization"	provides task checklists for you to use when customizing MAINVIEW SRM
Chapter 4, "Customization Tasks for All MAINVIEW SRM Users"	describes tasks required for customization of any MAINVIEW SRM component
Chapter 5, "Customization Tasks for SG-Control Users"	describes tasks required for customization of MAINVIEW SRM SG-Control
Chapter 6, "Customization Tasks for StorageGUARD Users"	describes tasks required for customization of MAINVIEW SRM StorageGUARD
Chapter 7, "Customization Tasks for SG-Auto Users"	describes tasks required for customization of MAINVIEW SRM SG-Auto

Chapter/Appendix	Description
Chapter 8, "Customization Tasks for EasyHSM Users"	describes tasks required for customization of MAINVIEW SRM EasyHSM
Chapter 10, "Customization Tasks for Enterprise Storage Automation Users"	describes tasks required for customization of MAINVIEW SRM Enterprise Storage Automation
Chapter 11, "Verification Tasks for All MAINVIEW SRM Users"	describes tasks required to verify that you have successfully completed the installation of MAINVIEW SRM and that all licensed components are functional
Appendix A, "Additional Global Parameters"	provides frequently used parameters that you may want to modify in SMMSYSxx during customization
Appendix B, "Migrating from Previous Releases"	provides recommendations that will help you decide how to proceed with component customization based on your storage management priorities

Related Documentation

BMC Software products are supported by several types of documentation:

- online and printed books
- online Help
- release notes and other notices

In addition to this book and the online Help, you can find useful information in the publications listed in the following table. As "Online and Printed Books" on page xiii explains, these publications are available on request from BMC Software.

Category	Document	Description
MAINVIEW common documents	<i>OS/390 and z/OS Installer Guide</i> <i>MAINVIEW Installation Requirements Guide</i> <i>MAINVIEW Common Customization Guide</i> <i>Using MAINVIEW</i> <i>MAINVIEW Administration Guide</i> <i>Implementing Security for MAINVIEW</i>	provides instructions for installing, configuring, using, and administering MAINVIEW
MAINVIEW SRM core documents	<i>MAINVIEW SRM User Guide and Reference</i>	provides information common to all MAINVIEW SRM products and high-level navigation

Category	Document	Description
reference documents	<i>MAINVIEW SRM Reference Summary</i>	provides a listing and explanation of global system parameters, FLST/RLST parameters, and functions for all MAINVIEW SRM products
product documents	<ul style="list-style-type: none"> • <i>MAINVIEW SRM DMS2HSM User Guide and Reference</i> • <i>MAINVIEW SRM EasyHSM User Guide and Reference</i> • <i>MAINVIEW SRM EasyPOOL User Guide and Reference</i> • <i>MAINVIEW SRM EasySMS User Guide and Reference</i> • <i>MAINVIEW SRM Enterprise Storage Automation User Guide</i> • <i>MAINVIEW SRM SG-Auto User Guide and Reference</i> • <i>MAINVIEW SRM SG-Control User Guide and Reference</i> • <i>MAINVIEW SRM StopX37/II User Guide and Reference</i> • <i>MAINVIEW SRM StorageGUARD User Guide and Reference</i> 	provide product-specific information for MAINVIEW SRM products
supplemental documents	release notes, flashes, technical bulletins	provides additional information about the product

Online and Printed Books

The books that accompany BMC Software products are available in online format and printed format. If you are a Windows or Unix user, you can view online books with Acrobat Reader from Adobe Systems. The reader is provided at no cost, as explained in “To Access Online Books.” You can also obtain additional printed books from BMC Software, as explained in “To Request Additional Printed Books.”

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BMC Software provides printed books with your product order. To request additional books, go to <http://www.bmc.com/support.html>.

Release Notes and Other Notices

Printed release notes accompany each BMC Software product. Release notes provide current information such as

- updates to the installation instructions
- last-minute product information

In addition, BMC Software sometimes provides updated product information between releases (in the form of a flash or a technical bulletin, for example). The latest versions of the release notes and other notices are available on the Web at <http://www.bmc.com/support.html>.

Conventions

This section provides examples of the conventions used in this book and explains how to read ISPF panel-flow diagrams and syntax statements.

General Conventions

This book uses the following general conventions:

Item	Example
information that you are instructed to type	Type SEARCH DB in the designated field.
specific (standard) keyboard key names	Press Enter .
field names, text on a panel	Type the appropriate entry in the Command field.

Item	Example
directories, file names, Web addresses	The BMC Software home page is at www.bmc.com .
nonspecific key names, option names	Use the HELP function key. KEEPDICTIONARY option
MVS calls, commands, control statements, keywords, parameters, reserved words	Use the SEARCH command to find a particular object. The product generates the SQL TABLE statement next.
command options, database names	Use the sbacktrack program to create a backup script.
code examples, syntax statements, system messages, screen text	//STEPLIB DD The table <i>table_name</i> is not available.
emphasized words, new terms, variables	The instructions that you give to the software are called <i>commands</i> . In this message, the variable <i>file_name</i> represents the file that caused the error.
single-step procedures	»» To enable incremental backups, type y and press Enter at the next prompt.

This book uses the following types of special text:

Note: Notes contain important information that you should consider.

Warning! Warnings alert you to situations that could cause problems, such as loss of data, if you do not follow instructions carefully.

Tip: Tips contain useful information that may improve product performance or that may make procedures easier to follow.

Syntax Statements

Syntax statements appear in Courier. The following example shows a sample syntax statement:

```
COMMAND KEYWORD1 [KEYWORD2|KEYWORD3] KEYWORD4={YES|NO}
      file_name...
```

The following table explains conventions for syntax statements and provides examples:

Item	Example
Items in italic type represent variables that you must replace with a name or value. Use an underscore for variables with more than one word.	<code>dtsbackup <i>control_directory</i></code>
Brackets indicate a group of options. You can choose at least one of the items in the group, but none of them is required. Do not type the brackets when you enter the option. A comma means that you can choose one or more of the listed options. You must use a comma to separate the options if you choose more than one option.	<code>[<i>table_name, column_name, field</i>]</code>
Braces enclose a list of required items. You must enter at least one of the items. Do not type the braces when you enter the item.	<code>{<i>DBD_name table_name</i>}</code>
A vertical bar means that you can choose only one of the listed items. In the example, you would choose either <i>commit</i> or <i>cancel</i> .	<code>{<i>commit cancel</i>}</code>
An ellipsis indicates that you can repeat the previous item or items as many times as necessary.	<code><i>column_name . . .</i></code>

Chapter 1 Installation Overview

This chapter provides an overview of the installation process. The installation process is discussed in the following topics:

Introduction	1-1
Installation Checklist	1-1
Combining Checklists for Multiple Products	1-2
Products	1-2
Preparation Steps	1-3
Installation Steps	1-4
Customization Steps	1-5
Installation Planning Worksheet	1-7

Introduction

The MAINVIEW Storage Resource Manager (SRM) uses the OS/390 and z/OS Installer to install and customize MAINVIEW SRM components. The OS/390 and z/OS Installer provides a consistent distribution, installation, customization, and maintenance process for integrated BMC Software products that execute on the OS/390 platform.

Part of the installation system is the Installation Checklist Generator, which allows you to select one or more products to install and compiles an integrated, customized checklist to guide you through the installation and customization process. See the *OS/390 and z/OS Installer Guide* for instructions for the Installation Checklist Generator.

The installation checklist combined with the installation worksheet aid you in a smooth installation process.

Installation Checklist

The installation checklist outlines the steps that you must perform to install and run your product (or products). The checklist summarizes what you must do and refers you to detailed instructions.

The checklist is divided into the following sections:

- “Preparation Steps” on page 1-3
- “Installation Steps” on page 1-4
- “Customization Steps” on page 1-5

Combining Checklists for Multiple Products

The checklist is for the product (or products) that are listed in “Products” on page 1-2. You can use the Installation Checklist Generator to create a checklist that integrates the checklist in this book with checklists in other product books.

When you use the checklist generator, you select the products that you are going to install and the checklist generator produces an integrated checklist. The integrated checklist outlines all steps that you must complete for successful installation of all your products.

The checklist generator is available on your documentation CD. For information about running the checklist generator, see the *OS/390 and z/OS Installer Guide*.

Products

This checklist pertains to the following BMC Software products:

- MAINVIEW SRM DMS2HSM version 6.1.01
- MAINVIEW SRM EasyHSM version 6.1.01
- MAINVIEW SRM EasyPOOL version 6.1.01
- MAINVIEW SRM EasySMS version 6.1.01
- MAINVIEW SRM Enterprise Storage Automation version 6.1.01
- MAINVIEW SRM SG-Auto version 6.1.01
- MAINVIEW SRM SG-Control version 6.1.01
- MAINVIEW SRM StopX37/II version 6.1.01
- MAINVIEW SRM StorageGUARD version 6.1.01

Preparation Steps

The following preparation steps help you prepare for installation of your products. The steps describe the tasks that you must complete and the items that you must assemble before you start installation.

✓	Step	Task	Description	Reference
	1	assemble needed materials	Gather all installation tapes, tape cover letters, product release notes, product technical bulletins, the <i>OS/390 and z/OS Installer Guide</i> , customization guides, planning guides, and so on.	your product shipment and support page on the BMC Software Web site at http://www.bmc.com/support.html To log on, first-time users can request access by registering online; you can request temporary access from your BMC Software sales representative. On the support page, select a product to view the related documentation.
	2	review tape cover letters	The tape cover letters are shipped with your tapes. They list the materials in your shipment.	your product shipment
	3	review product release notes	The release notes describe enhancements, changes, and fixes for a product and contain important information you need to know.	your product shipment
	4	review technical bulletins and flashes	Technical bulletins and flashes contain information about problems that have been identified since the product was last released.	your product shipment and support page on the BMC Software Web site at http://www.bmc.com/support.html To log on, first-time users can request access by registering online; you can request temporary access from your BMC Software sales representative. On the support page, select a product to view the related documentation.
	5	obtain product passwords	Contact BMC Software to obtain the passwords for your products.	<i>OS/390 and z/OS Installer Guide</i> , "BMC Software Product Authorization" appendix password request form or cover letter
	6	read prerequisites	Prerequisites state the operating system version requirements, space requirements, authorization requirements, and so on.	<i>MAINVIEW SRM Customization Guide</i> , "Prerequisites" section

✓	Step	Task	Description	Reference
	7	read migration considerations	Migration considerations describe the process of migrating from a previous version of the product or from another product.	<i>MAINVIEW SRM Customization Guide</i> , "Migrating from Previous Releases" appendix
	8	read installation considerations	Installation considerations describe information about running with other products and product implementation.	<i>MAINVIEW SRM Customization Guide</i> , "Installation Considerations" section
	9	obtain system authorization to complete the installation	Reading the installation tapes or creating the installation data sets might require RACF authorization. Customization of some products might require APF authorization	contact your system administrator, security administrator, or other administrator
	10	fill out worksheets	A worksheet contains information, such as data set names and library locations, that you will need for completing installation.	<i>MAINVIEW SRM Customization Guide</i> , "Installation Planning Worksheet" section

Installation Steps

The following installation steps help you run the installation system to successfully complete installation. The installation system combines tape images, copies files to your system (Standard or SMP/E), creates installation JCL, and applies maintenance to installed products.

✓	Step	Task	Description	Reference
	1	understand the installation system	The installation system has features and functions that you should be familiar with before using it.	<i>OS/390 and z/OS Installer Guide</i> , "Introduction" chapter
	2	unload the base installation libraries from the installation tape	The base installation libraries contain the installation system.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter
	3	create the customized installation libraries	The customized installation libraries specify a site-specific installation environment.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter
	4	start the installation system	The installation system automates many installation steps.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter
	5	specify repository information	The repository profile contains installation and customization options that are used when performing subsequent installations.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter
	6	specify user options	The user options determine how the installation system runs and specify where installation JCL is stored.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter

✓	Step	Task	Description	Reference
	7	select the products to install	The installation system generates all the steps necessary for the products you want to install.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter
	8	run the JCL that was created by the installation system	The installation system presents installation JCL for your approval and helps you to run the JCL.	<i>OS/390 and z/OS Installer Guide</i> , "Running Installation JCL" chapter
	9	specify product authorization passwords	Permission to run your products is granted.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter

Customization Steps

The following customization steps describe the tasks that you must complete to run your product (for some products, additional customization options might be available once the product is running). Some tasks might be performed by using the installation system, while other tasks might be performed by using a separate utility.

✓	Step	Task	Description	Reference
	1	choose the customization option in the installation system	Customization is started through the customization option in the installation system.	<i>OS/390 and z/OS Installer Guide</i> , "Using the Installation System" chapter

✓	Step	Task	Description	Reference
	2	perform additional customization tasks for your products	Some products require additional tasks to be performed before the products are completely installed.	<p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for All MAINVIEW SRM Users” chapter</p> <p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for StorageGUARD Users” chapter</p> <p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for SG-Auto Users” chapter</p> <p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for SG-Control Users” chapter</p> <p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for EasyHSM Users” chapter</p> <p><i>MAINVIEW SRM Customization Guide</i>, “Customization Tasks for Enterprise Storage Automation Users” chapter</p>
	3	verify customization	Some products provide information to verify customization of the product.	<p><i>MAINVIEW SRM Customization Guide</i>, “Verification Tasks for All Users” chapter</p>

Installation Planning Worksheet

To plan for installation decide on, gather, and record the information specified in Table 1-1.

Tip: Print copies of the worksheet from the Acrobat Reader and use it to record your information.

Table 1-1 Installation Planning Worksheet (Part 1 of 2)

Information	Notes						
Determine the number of volumes that reside on each partition.							
Decide on the number of pools that will reside on each partition.							
Obtain the names of your DFHSM control data sets: <ul style="list-style-type: none"> • Migration Control Data Sets (multicluster?) • Backup Control Data Sets (multicluster?) • Offline Control Data Set 							
Assign target volser names for MAINVIEW SRM libraries. For DASD storage requirements, see Chapter 2 in the <i>MAINVIEW Installation Requirements Guide</i> .							
Assign prefixes for target libraries and SMP/E libraries. A prefix is a set of one or more qualifiers that precede the low-level qualifier in a data set name. The following notations are used for data set names in this manual. <table border="0" data-bbox="272 1331 867 1507"> <thead> <tr> <th data-bbox="272 1331 386 1360">Notation</th> <th data-bbox="418 1331 526 1360">Meaning</th> </tr> </thead> <tbody> <tr> <td data-bbox="272 1381 344 1411"><i>prefix</i></td> <td data-bbox="418 1381 867 1432">set of one or more qualifiers that you must assign.</td> </tr> <tr> <td data-bbox="272 1453 354 1482"><i>?prefix</i></td> <td data-bbox="418 1453 867 1503">set of one or more qualifiers that you have assigned.</td> </tr> </tbody> </table>	Notation	Meaning	<i>prefix</i>	set of one or more qualifiers that you must assign.	<i>?prefix</i>	set of one or more qualifiers that you have assigned.	
Notation	Meaning						
<i>prefix</i>	set of one or more qualifiers that you must assign.						
<i>?prefix</i>	set of one or more qualifiers that you have assigned.						

Table 1-1 Installation Planning Worksheet (Part 2 of 2)

Information	Notes						
<p>Assign names for StorageGUARD and SG-Control databases. For StorageGUARD, you will need to assign names for the following kinds of databases: account, volume, pool, VSAM, and reserved.</p> <p>Tip: Use the following names for the low-level qualifiers and assign the same prefixes to the databases that you assigned to the target libraries.</p> <table border="0"> <thead> <tr> <th data-bbox="224 520 347 548">Database</th> <th data-bbox="511 520 745 552">Low-level qualifier</th> </tr> </thead> <tbody> <tr> <td data-bbox="224 569 396 596">StorageGUARD</td> <td data-bbox="511 569 630 722">SGDACNT SGDVOL SGDPOOL SGDRSVD SGPVSAM</td> </tr> <tr> <td data-bbox="224 741 347 768">SG-Control</td> <td data-bbox="511 741 630 768">SPACEDB</td> </tr> </tbody> </table>	Database	Low-level qualifier	StorageGUARD	SGDACNT SGDVOL SGDPOOL SGDRSVD SGPVSAM	SG-Control	SPACEDB	
Database	Low-level qualifier						
StorageGUARD	SGDACNT SGDVOL SGDPOOL SGDRSVD SGPVSAM						
SG-Control	SPACEDB						
<p>If you do not have the capability to dynamically update APF lists and, optionally, linklists, decide on and schedule a date for an IPL.</p>							

Chapter 2 Installation Preparation

This chapter provides the following information:

Required Materials	2-1
Prerequisites	2-2
System Software Requirements	2-2
Space Requirements	2-2
Authorization Requirements	2-3
Product Authorization	2-3
Installation Considerations	2-3
Migrating from Other Versions	2-3
Running with Other Versions	2-4

Required Materials

To prepare for your installation, You should gather all material that you will need, including

- installation tapes
- tape cover letters

Read the tape cover letters to determine which installation tapes and which installation and customization manuals you need to gather.

- manuals

Make sure you have available the *OS/390 and z/OS Installer Guide*, *MAINVIEW Installation Requirements Guide*, *MAINVIEW Common Customization Guide* in addition to this guide. These guides work together to provide you a complete picture of the installation of MAINVIEW and MAINVIEW SRM products.

- notices

Read the product release notes and technical bulletins; they may contain important or last minute information.

- checklists

Run the checklist generator or copy and combine the checklists from individual customization guides for the products you will install.

- worksheets

Complete the “Installation Planning Worksheet” on page 1-7. You use the worksheet to record information that you will need, such as data set names and library locations.

Prerequisites

Make sure you meet the following prerequisites before installing the product.

System Software Requirements

To use MAINVIEW SRM, you need the following minimum system configuration:

- OS/390 1.3 or higher (must be an IBM® supported release)
- OS/390 1.3 DFSMS or higher
- OS/390 1.3 TSO/E or higher
- OS/390 1.3 ISPF or higher

Space Requirements

To use MAINVIEW SRM, you need the following minimum available space:

Target Libraries
100 cylinders

Distribution Libraries
70 cylinders

Total Required DASD Storage
170 cylinders

Space requirements are combined for you when running the OS/390 and z/OS Installer.

Virtual Storage Estimates for MAINVIEW SRM 6.1

without SG-Control

75K CSA

967K ECSA

with SG-Control

80K CSA

1099K ECSA

Authorization Requirements

You must grant user access to restricted programs or TSO commands as appropriate. See “Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD” on page 4-15.

Product Authorization

All MAINVIEW SRM products require password authorization. You should have received an email with your product passwords. If you did not receive your passwords, see the *OS/390 and z/OS Installer Guide* for password request information.

Installation Considerations

Consider the following issues before to installing the product:

Migrating from Other Versions

For information about migrating from an earlier version of this product, see Appendix B. Migrating customers should use *all* checklists and worksheets in this manual.

Running with Other Versions

With the exception of PSP version 115, MAINVIEW SRM should be the last product started and the first stopped. In all cases, products should be stopped in the reverse order of start; that is, if product A is started first, followed by MAINVIEW SRM, MAINVIEW SRM should be stopped first, followed by product A.

PSP versions 115 and earlier must be started after MAINVIEW SRM. Softworks has zaps with the following IDs to correct this problem:

- SWAG011.200
- SWAG012.200 (These zaps have been added to PSP 116.)

If these zaps have been applied or if you are using PSP 116 or later, MAINVIEW SRM can be started after PSP is initialized.

Note: Only one instance of SVOS can be active on a system at a time; therefore, MAINVIEW SRM cannot operate concurrently with previous versions of the SVOS started task.

Contact BMC Software Customer Support for the most current information on compatibility with other system management products.

Chapter 3 Installation Customization

This chapter provides you with the information you need to determine which customization method you will use: manual or automated.

Tip: If you have already determined that you will use the AutoCustomization method, skip to Chapter 11, “Verification Tasks for All MAINVIEW SRM Users.”

If you choose manual customization, this chapter provides you with customization checklists that guide you through the customization process. The following information is included:

Customization Methods	3-2
AutoCustomization	3-2
Manual Customization	3-2
Customization Tasks for All MAINVIEW SRM Users	3-4
Customization Tasks for SG-Control Users	3-5
Customization Tasks for StorageGUARD Users	3-5
Customization Tasks for SG-Auto Users	3-6
Customization Tasks for EasyHSM Users	3-6
Customization Tasks for PATROL SRM Users	3-6
Customization Tasks for Enterprise Storage Automation Users	3-7
Verification Tasks for All MAINVIEW SRM Users	3-7

Customization Methods

After MAINVIEW SRM has been unloaded from tape, you must prepare the MAINVIEW SRM system for use and enable basic functions to verify that they are operational. There are two methods of doing this: manually or using AutoCustomization.

AutoCustomization

AutoCustomization is an interactive ISPF dialog provided to customize installed BMC Software products. AutoCustomization is the recommended customization method because it:

- propagates information for shared customization steps
- allows you to browse steps before you perform them
- identifies the steps that you have completed
- reduces the likelihood of errors

See the *OS/390 and z/OS Installer Guide* for more information about AutoCustomization.

If you decide to use AutoCustomization follow these steps:

- Step 1** Read the critical notes in any chapter of this book that is relevant to a product that you are installing.
- Step 2** Follow the instructions in the *OS/390 and z/OS Installer Guide*.
- Step 3** Return to this book and complete the tasks described in “Verification Tasks for All MAINVIEW SRM Users” on page 3-7.

Manual Customization

If you decide to manually customize MAINVIEW SRM, complete the tasks in this chapter.

Task checklists are provided in this chapter to help you customize MAINVIEW SRM in the easiest and most efficient manner possible. Read the following overview to understand how the checklists are organized and intended to be used.

Each task in the checklists includes a page number that cross-references detailed instructions and reference material. In the online version of this manual, a cross-reference is a hyperlink.

Tip: Print copies of the checklists from the Acrobat Reader and use them to mark tasks as complete during customization.

This chapter provides checklists to be used by all MAINVIEW SRM users and specific checklists specifically for users of the following MAINVIEW SRM products:

- SG-Control
- StorageGUARD
- SG-Auto
- EasyHSM
- PATROL SRM
- Enterprise Storage Automation

The following MAINVIEW SRM products have no customization tasks associated with them other than those specified in “Customization Tasks for All MAINVIEW SRM Users” on page 3-4:

- EasySMS
- EasyPOOL
- StopX37/II

Follow these rules for using the checklists:

- Start with Checklist 1, which is for all MAINVIEW SRM users.
- Skip the checklists for products that you are not licensed to use.
- Because some tasks have dependencies, complete each task in a checklist in the order in which it is presented.

Customization Tasks for All MAINVIEW SRM Users

All MAINVIEW SRM users should complete the checklist in Table 3-1.

Table 3-1 Checklist for All MAINVIEW SRM Users

✓	Task	Description
	1.	"Task 1: (Required) Specify Jobcards and Other Operational Defaults" on page 4-2
	2.	"Task 2: (Optional) Implement Katakana Terminal Support" on page 4-3
	3.	"Task 3: (Required) Create Site Data Sets for Use with MAINVIEW Products" on page 4-4
	4.	"Task 4: (Required for Security) Create Site Security Data Set" on page 4-5
	5.	"Task 5: (Required) APF-Authorizing the BMC Software Load Library" on page 4-6
	6.	"Task 6: (Optional) Add the BMC Software Load Library to your System Link List" on page 4-8
	7.	"Task 7: (Required) Create CLIST for Invoking MAINVIEW Products" on page 4-9
	8.	"Task 8: (Optional) Reload All BBX Services" on page 4-11
	9.	"Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure" on page 4-12
	10.	"Task 10: (Optional) Create MAINVIEW Explorer Host Server Startup Procedure" on page 4-14
	11.	"Task 11: (Required) Copy BBPARM to UBBPARM" on page 4-14
	12.	"Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD" on page 4-15
	13.	"Task 13: (Optional) Update MAINVIEW SRM Global Parameters" on page 4-17
	14.	"Task 14: (Required) Customize SVOS Started Task JCL" on page 4-18
	15.	<p>Use the other checklists in this chapter to customize each of the following products of MAINVIEW SRM for which you are licensed. When you have finished customizing the products, return to this checklist and complete Task 16.</p> <ul style="list-style-type: none"> • SG-Control • StorageGUARD • SG-Auto • EasyHSM • PATROL SRM • Enterprise Storage Automation
	16.	Use "Verification Tasks for All MAINVIEW SRM Users" on page 3-7 to verify the installation.

Customization Tasks for SG-Control Users

Complete the checklist Table 3-2 only if you are licensed for SG-Control.

Table 3-2 Checklist for MAINVIEW SRM SG-Control Users

✓	Task	Description
	1.	Read the critical notes for Chapter 5. See "Task 1: Read the Critical Notes" on page 5-1.
	2.	Allocate the SG-Control database. See "Task 2: Allocate the SG-Control Database" on page 5-1.
	3.	Define an SG-Control default account. See "Task 3: Define an SG-Control Default Application" on page 5-2.
	4.	Modify values for SG-Control global parameters. See "Task 4: Customize SG-Control Global Parameters" on page 5-2.

Customization Tasks for StorageGUARD Users

Complete the checklist Table 3-3 only if you are licensed for StorageGUARD.

Table 3-3 Checklist for MAINVIEW SRM StorageGUARD Users

✓	Task	Description
	1.	Read the critical notes for Chapter 7. See "Task 1: Read the Critical Notes" on page 6-1.
	2.	Modify values for historical space and historical performance global parameters. See "Task 2: Customize StorageGUARD Global Parameters" on page 6-2.
	3.	Allocate and initialize the historical space and historical performance databases. See "Task 3: Allocate and Initialize the StorageGUARD Databases" on page 6-6.
	4.	RVA users only, allocate historical space and historical performance IXFP work files See "Task 4: Allocate IXFP Work Files" on page 6-9.
	5.	Modify the historical space and historical performance started task JCL for the data collectors. See "Task 5: Modify the StorageGUARD Started Task JCL" on page 6-9.
	6.	Modify SMF and CMF/RMF parameters for historical performance. See "Task 6: Modify SMF and CMF/RMF Parameters" on page 6-11.

Customization Tasks for SG-Auto Users

Complete the checklist Table 3-4 only if you are licensed for SG-Auto.

Table 3-4 Checklist for MAINVIEW SRM SG-Auto Users

✓	Task	Description
	1.	Read the critical notes for Chapter 7. See "Task 1: Read the Critical Notes" on page 7-1.
	2.	Modify values for SG-Auto global parameters. See "Task 2: Customize SG-Auto Global Parameters" on page 7-1.
	3.	Modify the SG-Auto started task JCL. See "Task 3: Customize the SG-Auto Started Task" on page 7-2.

Customization Tasks for EasyHSM Users

Complete the checklist Table 3-5 only if you are licensed for EasyHSM.

Table 3-5 Checklist for MAINVIEW SRM EasyHSM Users

✓	Task	Description
	1.	Read the critical notes for Chapter 8. See "Task 1: Read the Critical Notes" on page 8-1.
	2.	Modify values for EasyHSM global parameters. See "Task 2: Customize EasyHSM Global Parameters" on page 8-1.
	3.	Modify values for EasyHSM log extraction parameters. See "Task 3: Customize EasyHSM JCL for HSM Log Collection" on page 8-3.

Customization Tasks for PATROL SRM Users

Complete the checklist Table 3-6 only if you are licensed for PATROL.

Table 3-6 Checklist for PATROL SRM Users

✓	Task	Protocol	Description
	1.	N/A	Read the critical notes for Chapter 9. See "Task 1: Read the Critical Notes" on page 9-1.
	2.	TCP/IP	Modify the PATROL started task JCL for TCP/IP. See "Task 2: Customize Distributed Systems Collection Agent Started Task" on page 9-2.
	3.	TCP/IP	Modify the link-edit JCL for TCP/IP. See "Task 3: Modify the Link-Edit JCL for TCP/IP" on page 9-2.

Table 3-6 Checklist for PATROL SRM Users

✓	Task	Protocol	Description
	4.	TCP/IP	Start the TCP/IP transaction scheduler. See "Task 4: Start the TCP/IP Transaction Scheduler" on page 9-3.
	5.	N/A	Install the PATROL client software. See "Task 5: Install the PATROL Client Software" on page 9-3.

Customization Tasks for Enterprise Storage Automation Users

Complete the checklist Table 3-7 only if you are licensed for Enterprise Storage Automation.

Table 3-7 Checklist for Enterprise Storage Automation Users

✓	Task	Description
	1.	Read the critical notes for Chapter 8. See "Task 1: Read the Critical Notes" on page 10-1.
	2.	Install AutoOPERATOR. See "Task 2: Install the AutoOPERATOR Component" on page 10-2.
	3.	Set up predefined Enterprise Storage Automation solutions in AutoOPERATOR. See "Task 3: Set Up Predefined Solutions in AutoOPERATOR" on page 10-2.
	4.	Modify values for Enterprise Storage Automation global parameters. See "Task 4: Modify Enterprise Storage Automation Global Parameters" on page 10-3.
	5.	Connect to the AutoOPERATOR product. See "Task 5: Connect to the AutoOPERATOR Interface" on page 10-3.

Verification Tasks for All MAINVIEW SRM Users

All MAINVIEW SRM users complete the checklist Table 3-8. Skip tasks for products that you are not licensed to use.

Table 3-8 Checklist for Verification Tasks for All MAINVIEW SRM Users (Part 1 of 2)

✓	Task	Description
	1.	Start the SVOS started task. See "Task 1: Start the SVOS Started Task" on page 11-2.
	2.	Start the MAINVIEW SRM ISPF interface. See "Task 2: Start the MAINVIEW Interface" on page 11-2.

Table 3-8 Checklist for Verification Tasks for All MAINVIEW SRM Users (Part 2 of 2)

✓	Task	Description
	3.	Define a pool to verify the following products: EasyPOOL StorageGUARD SG-Auto See "Task 3: Define a Pool" on page 11-3.
	4.	Start SVALLOC. See "Task 4: Start SVALLOC" on page 11-4.
	5.	Verify EasyPOOL. See "Task 5: Verify EasyPOOL" on page 11-4.
	6.	Verify StopX37/II See "Task 6: Verify StopX37/II" on page 11-5.
	7.	Verify EasyHSM. See "Task 7: Verify EasyHSM" on page 11-6.
	8.	Verify StorageGUARD. See "Task 8: Verify StorageGUARD" on page 11-8.
	9.	Verify SG-Auto. See "Task 9: Verify SG-Auto" on page 11-11.
	10.	Verify SG-Control. See "Task 10: Verify SG-Control" on page 11-12.
	11.	Verify Enterprise Storage Automation. See "Task 11: Verify Enterprise Storage Automation" on page 11-13.

Chapter 4 Customization Tasks for All MAINVIEW SRM Users

The customization tasks in this chapter apply to all MAINVIEW SRM users. The following tasks are described in this chapter:

Task 1: (Required) Specify Jobcards and Other Operational Defaults . . .	4-2
Task 2: (Optional) Implement Katakana Terminal Support	4-3
Task 3: (Required) Create Site Data Sets for Use with MAINVIEW Products 4-4	
Task 4: (Required for Security) Create Site Security Data Set.	4-5
Task 5: (Required) APF-Authorizing the BMC Software Load Library .	4-6
Task 6: (Optional) Add the BMC Software Load Library to your System Link List.	4-8
Task 7: (Required) Create CLIST for Invoking MAINVIEW Products . .	4-9
Task 8: (Optional) Reload All BBX Services	4-11
Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure.	4-12
Task 10: (Optional) Create MAINVIEW Explorer Host Server Startup Procedure.	4-14
Task 11: (Required) Copy BBPARM to UBBPARM	4-14
Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD	4-15
Task 13: (Optional) Update MAINVIEW SRM Global Parameters. . . .	4-17
Task 14: (Required) Customize SVOS Started Task JCL.	4-18

Task 1: (Required) Specify Jobcards and Other Operational Defaults

Tip: If you are manually customizing MAINVIEW SRM and have previously installed and customized MAINVIEW, skip to Task 11. If you are following along with AutoCustomization, you will need to respond to each task.

In the customization steps for data set allocations, you are instructed to specify the volume serial ID and unit type. In other steps, you are requested to supply the high-level qualifier (*hilevel*) for the product libraries.

Write down the volume ID and the unit type for the product libraries, listing the following information:

```
Prefix ===>_____ (high-level qualifier used)
Unit-T ===>_____ (generic unit name for temporary data sets)
Unit-P ===>_____ (generic unit name for permanent data sets)
VSAM-P====>_____ (generic unit name for permanent VSAM data sets
                    for SMS job)**
VOLSER ===>_____ (volume ID for permanent data sets)
SYSID  ===>_____ (MVS image identifier; not to exceed 8 characters)
```

The SYSID value is used to build data set names for data sets that cannot be shared across multiple systems. In all cases where *hilevel* is referenced, this value is the *prefix* value for your MAINVIEW product libraries and the SYSID value defined above.

Note: **If a data set is SMS-managed, a volume name must be entered, but it does not have to be a valid volume

If the data set is non-SMS managed, you must include a valid volume name.

Task 2: (Optional) Implement Katakana Terminal Support

To use MAINVIEW products with a katakana terminal:

- The following data sets must be converted to all uppercase characters:
 - BBILIB for installation JCL
 - BBMLIB for messages
 - BBTLIB for tables
- CAPS=Y must be specified for the EXEC statement PARM parameter in the CAS started task procedure (see “Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure” on page 4-12).

BBILIB member @@YZZ001:

This is a utility program that translates lowercase characters to uppercase in these data sets. This utility uses ISPF Table Services to convert the BBTLIB members, executes the Terminal Monitor Program (TMP) in batch mode, and invokes ISPF.

To convert the product data sets and installation JCL to support katakana terminals:

- Step 1** Allocate new *hilevel*.BBILIB, BBMLIB, and BBTLIB data sets to store converted installation JCL, message, and table members. This preserves original distribution members so that non-katakana terminals can use them. Otherwise, messages, views, and panels are displayed in all uppercase on all terminals.

Note: The allocated output data sets must have the same blocksizes as the corresponding input data sets.

- Step 2** Modify BBILIB member @@YZZ001 to customize the utility conversion program to your site requirements. Modify the following DD statements to specify input and output data set names for the BBILIB, BBMLIB, and BBTLIB data sets:

DD Name	Description
LCBBLIB	Lowercase input data from BBILIB and BBMLIB
UCBBLIB	Uppercase translated BBILIB and BBMLIB output data
LCBBTLIB	Lowercase input tables from BBTLIB
UCBBTLIB	Uppercase translated BBTLIB output tables

Step 3 Submit the utility program for processing.

Note: You should compress the data sets before submitting the job. If the UCBBLIB and UCBRTLIB DD statements point to the same data sets as the LCBBLIB and LCBRTLIB DD statements, respectively, the original members are overwritten.

Members from the input data sets are read, translated to uppercase, and written to the output data sets. The utility program performs the translations in two stages. At the completion of each stage, the following WTO message is issued when the data translation is successful: CONVERSION SUCCESSFULLY COMPLETED.

Step 4 Check the job output for a condition code of 0 for successful job completion.

Task 3: (Required) Create Site Data Sets for Use with MAINVIEW Products

Create the following product data sets for your site:

Data Set	Description
? <i>prefix</i> .SBBVDEF	Customized view definitions
? <i>prefix</i> .SBBSDDEF	Newly created screen definitions

Note: If service needs to be applied, you are alerted when distributed versions change because PTFs that affect any members in these data sets contain the statement:

```
++HOLD SYSTEM REASON(ACTION) CLASS(library-name)
```

You can then save your modifications before replacing the members.

Task 4: (Required for Security) Create Site Security Data Set

Default security parameter and resource definition files are distributed in the BBACTDEF library. You cannot customize these defaults. To create your own customized security for MAINVIEW product resources installed at your site, you can use the Plex Manager security views. To use these views, you must define a security library with the BBSECURE DD statement in the CAS and PAS started task procedures. The same library name must be specified in the BBSECURE DD statements in both procedures. This library is used to contain site-customized security resource definitions.

This step provides instructions for creating the security parameter library. For more information about how to set up security and use the MAINVIEW Plex Manager security views, see *Implementing Security for MAINVIEW Products*.

To create a BBSECURE data set:

Step 1 Create a data set with DCB characteristics of RECFM=FB, LRECL=80, and a BLKSIZE of any multiple of 80. If you use ISPF's Data Set Utility, do not specify the PACK option. MAINVIEW product site data sets cannot be packed when allocated.

Note: Use the same *hilevel* qualifier for this data set that you used for your target libraries during the SMP process.

Step 2 Specify the data set name with the DSN parameter of the BBSECURE DD statement in the CAS started task procedure (see "Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure" on page 4-12.).

Step 3 Specify the data set name with the DSN parameter of the BBSECURE DD statement in each PAS procedure.

Task 5: (Required) APF-Authorizing the BMC Software Load Library

BBILIB Member BAIAPF:

You can use this member as a model to help you temporarily APF-authorize BBLINK programs.

For Temporary Authorization:

Use BBILIB member BAIAPF to temporarily authorize the BBLINK library.
Edit BAIAPF:

- Step 1** Create UBBSAMP member BAIAPF.
- Step 2** Copy BBILIB member BAIAPF to the new member.
- Step 3** Change the PROC statement PREFIX parameter from @PREFIX to *prefix*, where *prefix* is the high-level qualifier for the MAINVIEW product libraries.
- Step 4** Change the PROC statement LIB parameter from @BBIAPF to a previously authorized library.
- Step 5** Change the PROC statement VOL parameter from @BBIVOL to the volume where the MAINVIEW product libraries reside.
- Step 6** Submit the job.

For Permanent Authorization:

Use the Authorized Program Facility (APF). Contact a system programmer for assistance in updating either SYS1.PARMLIB member IEAAPF $_{xx}$ or, for SP 5 and above, SYS1.PARMLIB member PROG $_{xx}$

IEAAPF $_{xx}$:

where $_{xx}$ identifies the APF suffix specified in the IEASYS member used for the last MVS IPL.

An IPL is required before the SYS1.PARMLIB change can take effect.

PROG $_{xx}$:

where $_{xx}$ identifies the member in SYS1.PARMLIB that contains the parameters that define the list of APF-authorized libraries.

In `PROGxx`, you can specify multiple `PROGxx` members with the `PROG` parameter as follows:

```
PROG=(xx,...,xx)
```

where `xx` can be any two alphanumeric characters; for example:

```
PROG=( 01 , 02 )
```

Libraries are placed in the APF list as follows:

- Libraries specified in the `PROGxx` member(s).
- If you have an existing `IEAAPFxx` member and `PROGxx`, both are processed.

To use only `PROGxx`, change `IEAAPFxx` to `PROGxx` and remove the APF parameters from `IEASYSxx` and `IEASYS00`.

- If you have both `PROGxx` and `EXITxx`, `PROGxx` is processed first then `EXITxx`

To use only `PROGxx`, change `EXITxx` to `PROGxx` and remove the `EXIT` parameters from `IEASYSxx` and `IEASYS00`.

An IPL is required before the `SYS1.PARMLIB` change can take effect. Or, you can authorize the new libraries with the `MVS SET` command as follows:

```
T  PROG=xx
```

where `xx` identifies the `SYS1.PARMLIB` member.

For more information about APF-authorization, see the IBM *MVS/ESA SP V5 Initialization and Tuning Reference* manual.

Task 6: (Optional) Add the BMC Software Load Library to your System Link List

The BMC Software load library, *hilevel.BBLINK*, can be added to your system link list. BBLINK contains authorized programs.

Notes:

- OS/390 requires that any data sets added to your system link list be cataloged in the master catalog.
- If you are going to run COMMON STORAGE MONITOR as a subsystem, you must perform this step.
- If you are not adding BBLINK to your link list, you must specify a STEPLIB DD statement in your MAINVIEW startup procedures (see “Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure” on page 4-12).
- If the BMC Software load library is added to the system link list when starting IMS V5.1 and above, the AOI Exits will be dynamically invoked if MAINVIEW AutoOPERATOR is installed in the library whether or not MAINVIEW AutoOPERATOR for IMS is activated.
- For MAINVIEW AutoOPERATOR, BBLINK must be specified in the STEPLIB and BBILOAD DD statements in the JCL. To add BBLINK to your system link list:

Step 1 Add the following line to your SYS1.PARMLIB(LNKLSTxx) member:

hilevel.BBLINK,

where *hilevel* is the high-level data set qualifier you used throughout this installation for your BMC Software product data sets.

Step 2 Remove the STEPLIB DD statement for *hilevel.BBLINK* from the MAINVIEW startup procedures, such as the CAS and PAS started task procedures.

Step 3 Update your system link list dynamically.

Task 7: (Required) Create CLIST for Invoking MAINVIEW Products

BBILIB Member BAIMAINV:

Use this member as a model to help you create a MAINVIEW CLIST to access all MAINVIEW products.

The MAINVIEW CLIST allows you to invoke MAINVIEW products under ISPF. This CLIST allocates all required libraries and connects to them through the ISPF LIBDEF.

To create the MAINVIEW CLIST:

Step 1 Create a member in *hilevel*.UBBPARM called MAINVIEW.

Use of the name MAINVIEW for the CLIST is recommended, but not required. You can use any name you want. The remainder of this procedure uses the name MAINVIEW.

Step 2 Copy the sample CLIST in BBILIB member BAIMAINV into the newly created MAINVIEW member.

Step 3 Edit MAINVIEW CLIST as follows:

- Replace XXXXX in the PREFIX (' XXXXX ') parameter with the *hilevel* qualifier for your target libraries.
- Replace BBBB in the PREFIX (' BBBB ') parameter with the *hilevel*.BBLINK name for your target libraries.

Step 4 If you require optional support for GDDM high resolution graphics, add a TSO ALLOCATE statement for the GDDM symbol library using the ADMSYMBL ddname.

If your level of GDDM supports printing, add a TSO ALLOCATE statement for an optional GDDM PRINT data set using the ADMPRINT ddname. Refer to the GDDM member SYS1.GDDMSAM(ADMQFMT) for more information about how to allocate the GDDM PRINT data set.

Step 5 To invoke the CLIST to access MAINVIEW products, you can add a menu item to an ISPF menu to execute the MAINVIEW CLIST

To add a menu selection code and description to an ISPF menu:

5.A Add the following statement to the)BODY section of an ISPF menu panel of your choice:

```
% MV +MAINVIEW - Invoke MAINVIEW Products
```

5.B Add the following selection command to the)PROC section of the menu panel for the MV option:

Figure 4-1 Selection Command to Add MAINVIEW to an ISPF Menu

```
)PROC
  &ZSEL = TRANS(TRUNC(&ZCMD, '.'))
      .
      MV, 'CMD(EX 'hilevel.UBBPARM(MAINVIEW)')'
      .
      .
      X, 'EXIT'
      *, '?' )
```

Task 8: (Optional) Reload All BBX Services

BBXS service routines return data in response to specific requests from these products. BBXS is initialized the first time a product requests a service or when the COMMON STORAGE MONITOR component of MAINVIEW for OS/390 is configured to initialize at IPL.

Warning! Do not add:

```
COM= ' S BBXSINIT '
```

to the SYS1.PARMLIB member COMMNDxx unless you are running under VM.

For more information about BBXS, see the *MAINVIEW Administration Guide*.

BBILIB Member @@YZZ081:

You can use this member to re-initialize BMC Software Subsystem Services (BBXS) when a more current version of BBXS is installed.

To re-initialize BBXS:

Step 1 Follow the instructions at the top of BBILIB member @@YZZ081 to modify the JCL to your site requirements.

Note: If you are running MVS under VM, you must add the IOCDS parameter to the EXEC statement in member @@YZZ081 before submitting this job. This parameter identifies the resident IOCDS ID that BBXS uses during initialization.

The IOCDS parameter may change frequently in some environments. For the JCL in this step to be accurate, it must be modified to reflect any IOCDS changes. Contact the person responsible for IOCDS generations at your site to obtain the current IOCDS ID. For more information about initializing BBXS in MVS under VM, see the *MAINVIEW Administration Guide*.

Step 2 Submit the job.

Step 3 Check the job output for a condition code of 0 for successful job completion.

If the condition code is 4 or 12, review the job output messages. For an explanation of BBXS messages, see the MAINVIEW online message system. A condition code of 0 with message BBX600I indicates successful completion.

Task 9: (Required) Create the CAS (Coordinating Address Space) Startup Procedure

BBILIB Member @@YZZ021

You can use this member as a model to help you set up your CAS started task procedure.

To execute the CAS:

- Initiate it as a started task (STC) through an MVS IPL procedure
- Execute only one CAS per MVS image
- Execute the CAS with a dispatching priority of 255

The CAS contains functions accessed through MVS cross-memory services and should not be run as a batch job. If the CAS runs as a batch job:

- It operates correctly, but the MVS job scheduler issues messages IEF353A and IEF355A upon CAS termination
- The JES initiator running the CAS terminates

To create the CAS started task procedure:

Step 1 Create a CAS startup member in a system procedure library.

Note: AutoCustomization creates a member named BBMCAS by default.

Step 2 Copy BBILIB member @@YZZ021 to the member you created in Step 1.

Step 3 Follow the instructions at the top of this member to modify the procedure to your site requirements.

For a description of each statement in this procedure, see the Library Member for CAS section in the *MAINVIEW Common Customization Guide*.

Step 4 Optionally, define the CAS started task procedure to your IPL procedure.

You may want to modify the `COMMNDxx` member in `SYS1.PARMLIB` to add a `START` command for the CAS procedure. The `COMMNDxx` member contains MVS commands that are issued by the master scheduler upon system initialization. The `START` commands are issued in the order they appear in `COMMNDxx`

The format of the command is:

```
COM= 'S procname ,SUB=MSTR '
```

where *procname* is the name of the member you created in Step 1 on page 4-12; for example:

```
COM= 'S BBMCAS ,SUB=MSTR '
```

Required SSID Parameter:

When you create your CAS started task procedure, you must specify a subsystem ID for the CAS with the `PROC` statement `SSID` parameter. This value identifies the CAS to MVS and is used by all other applicable PASs.

The CAS subsystem ID is used:

- In the Session Control Parameters dialog when the TS starts
- In the startup procedure of the PAS that connects to this CAS

Note: The CAS and PAS started task procedures and the Session Control parameters dialog must all define the same subsystem ID.

Optional CAPS Parameter:

If you use a katakana terminal (see “Task 2: (Optional) Implement Katakana Terminal Support” on page 4-3), you must specify `CAPS=Y`, with the `EXEC` statement `PARM` parameter in your CAS started task procedure; for example:

```
//CAS EXEC PGM=BBM9ZA00,
// PARM=( 'SSID=&SSID,XDM=&XDM,COLD=&COLD,DUMP=&DUMP,EMM=&EMM',
// 'IVP=&IVP,CAPS=Y' ),
// TIME=1439,
// REGION=4096K
```

Task 10: (Optional) Create MAINVIEW Explorer Host Server Startup Procedure

MAINVIEW Explorer give you access to MAINVIEW products from a Web browser. The MIAINVIEW Host Server runs as a started task.

To use the MAINVIEW Explorer, you must create the host server startup procedure:

- Step 1** Copy member BBMXPJCL from *?prefix.BBSAMP* to *?prefix.UBBSAMP*
- Step 2** Edit member BBMXPJCL in *?prefix.UBBSAMP*
- Step 3** Specify the SSID that you specified for the CAS (string *?SSID*)
- Step 4** Specify a port number (string *?PORT*)
- Step 5** Change all *?BBLINK* to *?prefix.BBLINK*
- Step 6** Change *?SBBVDEF* to *?prefix.SBBVDEF*
- Step 7** Change all *?BBCHILV* to *?prefix*.
- Step 8** Save the modified member and copy it to a proclib in the JESx concatenation.

Task 11: (Required) Copy BBPARM to UBBPARM

Create user MAINVIEW SRM PARMLIB and SAMPLIB data sets as follows:

- Step 1** Allocate a new data set named *?prefix.UBBPARM*. Assign the same prefix that you assigned to the BBPARM MAINVIEW SRM data set.
- Step 2** Copy BBPARM into the new data set.

Note: You will modify members in UBBPARM and apply maintenance and upgrade releases of MAINVIEW SRM in BBPARM so that your modifications are not overwritten.

Step 3 Allocate a new data set named *?prefix.UBBSAMP*. Assign the same prefix that you assigned to the BBSAMP MAINVIEW SRM data set.

Note: You will copy some members in BBSAMP to UBBSAMP as you make modifications. You will modify members in UBBSAMP and apply maintenance and upgrade releases of MAINVIEW SRM in BBSAMP so that your modifications are not overwritten.

Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD

Modify SYS1.PARMLIB members using the following instructions and the information in Table 4-1.

Step 1 Add *?prefix.BBLINK* to member IEAAPF_{xx} or PROG_{xx}.

Step 2 Either add *?prefix.BBLINK* to the LNKLST_{xx} member or add it to the STEPLIB concatenation of the TSO logon proc for MAINVIEW SRM users.

RVA users, also add the SIBBATCH utility to the LNKLST_{xx} member or add it to the STEPLIB concatenation of the TSO logon proc for MAINVIEW SRM users.

Step 3 Grant user access to restricted programs or TSO commands as appropriate. Table 4-1 on page 4-16 lists all programs and TSO commands used by the MAINVIEW SRM interface that must be authorized. Specify the programs and TSO commands in member IKJT_{SOxx}.

Step 4 Refresh the in-storage copy of IKJT_{SOxx}.

Step 5 If you are using a security package to restrict use of TSO commands or programs, you must also grant security access as appropriate for the items in Table 4-1 on page 4-16. If you are licensed for StorageGUARD, grant security access to the following commands as well:

- SGCR419\$
- SGCR41B\$

Step 6 IPL the system if you do not have the capability to dynamically update APF lists and, optionally, linklists.

You *do not* need to IPL and may update the APF lists and optional linklists dynamically if you have the capability.

Table 4-1 lists all programs and TSO commands used by the MAINVIEW SRM interface that must be authorized.

Table 4-1 Authorized Programs and TSO Commands

Name	Component	Cmd/Pgm	Language	IKJTSOxx section	Description
BBSDTCPA	PATROL server	Program	Assembler	AUTHTSF	Used to check data space validity and set up RACF (or equivalent) session security for both TCP/IP and APPC users
BUDGET	SG-Control	Command	Assembler	AUTHCMD	Used to add data to and retrieve data from the SG-Control database Note: Access to the BUDGET command should be controlled. Also, consider using the Security Exit to control the various functions of this command. See the <i>MAINVIEW SRM SG-Control User Guide and Reference</i> for information about the Security Exit. MAINVIEW Security can be used to restrict access to the SG-Control views, records, and actions.
BUDDSN	SG-Control	Command	Assembler	AUTHCMD	Used to retrieve data from the SG-Control database Note: You may want to restrict access to this command.

Task 13: (Optional) Update MAINVIEW SRM Global Parameters

Modify values for global parameters in *?prefix*.UBBPARM(SMMSYSxx) using the following instructions.

Tip: For migrating customers, copy all current parmlib members that apply, to the 6.1 parmlib (SMMSYSxx, SMDIAGxx, SMPPOOLxx, SMCALSxx, SMFUNCxx, SMFLSTxx, SMRLSTxx, SMACMDxx, and SMEVNTxx). Existing passwords are still valid. Follow step 2.

Step 1 Add the BMC Software supplied passwords to the PASSWORD= parameter. A password is supplied for each component you have installed. A password for each MAINVIEW SRM component must be specified with a separate password parameter.

Step 2 Modify the default value in the BBI3_SSID= parameter to your site specifications. The value specifies the Coordinating Address Space (CAS) subsystem name to which the SVOS PAS should connect. This is a required parameter.

The CAS subsystem name is specified in the SSID= parameter on the PARM= keyword for the CAS JCL EXEC statement. The value in BBI3_SSID must match the CAS value.

Step 3 Modify the default (SYS1.LPALIB) value to the SYSLIB=parameter to suit your site specifications. The value specifies a cataloged data set name for the LPALIB library concatenations that are to be allocated at SVOS startup as a default.

These parameters can be overridden by a SYSLIB DD statement in the JCL. LPALIB data sets must be the same as they were when the system was last IPLd with a CLPA and/or an MPLA. There is a limit of three data sets that can be concatenated.

Note: You must specify either the SYSLIB global parameter or include the LPALIB in the execution JCL.

Task 14: (Required) Customize SVOS Started Task JCL

SVOS is the started task used to load MAINVIEW SRM software into OS/390. MAINVIEW SRM components run under SVOS and are started by commands to SVOS.

Tip: For migrating customers, the JCL for MAINVIEW SRM started task has changed significantly from the previous release. BMC Software recommends that you use the JCL distributed with this release rather than attempting to modify an old JCL for this release.

To modify the started task:

- Step 1** Follow the user instructions in *?prefix.BBSAMP(SVOS)*.
- Step 2** Save the modified member and copy it to a proclib in the JESx concatenation.

See the *MAINVIEW SRM User Guide and Reference* for SVOS execution JCL statement and parameter descriptions.

Note: The MAINVIEW SRM component startup commands executed automatically at completion of SVOS initialization are in *?prefix.UBBPARAM(SVSTART)*. If you want to start a system version other than 00, the SUF parameter in this member must be changed.

Chapter 5 Customization Tasks for SG-Control Users

Follow the instructions in this chapter only if you are licensed for the MAINVIEW SRM SG-Control product. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	5-1
Task 2: Allocate the SG-Control Database	5-1
Task 4: Customize SG-Control Global Parameters.	5-2
Task 3: Define an SG-Control Default Application	5-2

Task 1: Read the Critical Notes

SG-Control may be used on multiple systems and must be started on each system. All systems sharing DASD must share the same SG-Control database. The account information in the database is protected from concurrent update by enqueues with a scope of SYSTEMS. Enqueues with major names of SGC and SGCMAINT must be propagated across systems using IBM Global Resource Sharing (GRS) or an equivalent product.

Task 2: Allocate the SG-Control Database

Allocate an SG-Control database using the following instructions.

Tip: Migrating customers: see “Migration Considerations for SG-Control Users” on page B-6 for database allocation and conversion information.

Step 1 Copy *?prefix.BBSAMP(SGCINJCL)* to *?prefix.UBBSAMP(SGCINJCL)*.

Step 2 Follow the user instructions in *?prefix.UBBSAMP(SGCINJCL)* to modify the database allocation JCL.

Step 3 Save and submit SGCINJCL.

Note: Library must be APF authorized. See “Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD” on page 4-15.

Task 3: Define an SG-Control Default Application

Define an SG-Control default application using the following instructions.

Tip: For migrating customers, this default application definition is created during the conversion process if a RESOLVE SRM 5.1 SG-Control database is being brought forward.

Step 1 Copy *?prefix.BBSAMP(SGCDFACT)* to *?prefix.UBBSAMP(SGCDFACT)*.

Step 2 Follow the user instructions in *?prefix.UBBSAMP(SGCDFACT)* to modify JCL for a default account.

Step 3 Save and submit SGCDFACT.

Note: Command must be authorized. See “Task 12: (Optional) Add MAINVIEW SRM Authorized Components to AUTHTSF and AUTHCMD” on page 4-15.

Task 4: Customize SG-Control Global Parameters

Modify values for SG-Control global parameters in *?prefix.UBBPARM(SMMSYSxx)* as instructed in the following table:

Tip: For migrating customers, the parameter in Step 3 is new to this version.

Step 1 Modify the SGC_STORCLS= parameter value. The value may be YES or NO, and it specifies whether or not to retrieve storage class information. The default is NO.

Note: This parameter should only be set to YES if SMS storage class information is required for filter list or rule list processing.

Step 2 Modify the SGC_STOGRP= parameter value. The value may be YES or NO, and it specifies whether or not to retrieve storage group information. The default is NO.

Note: This parameter should only be set to YES if SMS storage group information is required for filter list or rule list processing.

Step 3 Modify the SGCDN= parameter value. The value is the SG-Control database name created in Task 2.

Chapter 6 Customization Tasks for StorageGUARD Users

Follow the instructions in this chapter only if you are licensed for the MAINVIEW SRM StorageGUARD product.

This JCL member will allocate the IXFP work fields required by the historical performance data collector when collecting RVA data in an IXFP environment. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	6-1
Task 2: Customize StorageGUARD Global Parameters	6-2
Task 3: Allocate and Initialize the StorageGUARD Databases	6-6
Task 4: Allocate IXFP Work Files	6-9
Task 5: Modify the StorageGUARD Started Task JCL	6-9
Task 6: Modify SMF and CMF/RMF Parameters	6-11

Task 1: Read the Critical Notes

As with any database, allocating StorageGUARD databases that are too large could have operating system implications.

StorageGUARD has two data collectors: one for historical *space* databases and one for historical performance databases. There is a started task for each of the data collectors.

The historical space data collector only collects information for volumes that have been assigned to a pool. The system can accommodate up to eight historical space databases.

The historical performance data collector can store data in up to 100 databases before old data is overwritten. There is never more than one active historical performance database, but at startup, previously collected data from all databases can be accessed.

When allocating the historical space database, make sure data sets occupy a single extent. Only the first physical extent is actually used.

Task 2: Customize StorageGUARD Global Parameters

Modify values for StorageGUARD global parameters in *?prefix.UBBPARAM(SMMSYS.xx)* as instructed in the following tables.

Tip: For migrating customers, only the VTOC Scan parameters are new to this version and need to be added.

For historical space:

Step 1 Modify the `SG_INITPOOL=` parameter value. The value specifies the maximum number of defined pools included in a single snapshot. The maximum number of defined pools at initialization of a new linear data set is 3,995 unless a greater value is specified on this parameter. After initialization, data is collected into a snapshot for the number of pools specified on this parameter. The value may be in the range 10–999999. The default value is 1000.

Do not modify the default value unless you must.

Step 2 Modify the `SG_INITVOL=` parameter value. The value specifies the maximum number of defined volumes included in a single snapshot. The maximum number of defined volumes at initialization of a new linear data set is 6,625 unless a greater value is specified on this parameter. After initialization, data is collected into a snapshot for the number of volumes specified on this parameter. The value may be in the range 10–999999. The default value is 3000.

Do not modify the default value unless you must.

Step 3 Modify the `SG_MAXPOOL=` parameter value. The value specifies the number of pools that can be assigned to a volume and is used by the data collector when building pool snapshots. The value may be in the range 1–8. The default value is 1.

Step 4 Modify the `SG_MAXSSDSZ=` parameter value. The value specifies the number of cylinders used for a solid state disk drive and is used to distinguish between emulated and real DASD. Any device that does not exceed the value specified on this parameter is considered a solid state device. The value must be less than 32766. The default value is 0.

Step 5 Modify the SG_READNTVL= parameter value. The value specifies the frequency at which StorageGUARD creates a snapshot in core. The value may be in the range 5–9999. The default value is 30.

Set the SG_READNTV and the SG_WRITNTVL parameters to the same value. See Step 7.

Step 6 Modify the SG_SUBTASKS= parameter value. The value specifies the number of volumes that can be read in parallel. The value may be in the range 2–10.

Step 7 Modify the SG_WRITNTVL= parameter value. The value specifies the frequency at which snapshots are written to the StorageGUARD database. The value may be in the range 1–1439. The default value is 30.

Set the SG_WRITNTVL and the SG_READNTV parameters to the same value. See Step 5.

Step 8 Modify the SGDCOLLECT= parameter value. The value may be YES or NO, and it specifies if StorageGUARD will collect pool data. This parameter may be overridden at the pool level. The default value is NO.

For historical performance:

Step 1 Modify the SGP_MAXDSNS= parameter value. The value specifies the maximum number of data sets that can be referenced during a recording interval duration. The default value is 1000.

Step 2 Modify the SGP_MAXVOLS= parameter value. The value specifies the maximum number of volumes that can be referenced during a recording interval duration. The default value is 250.

Step 3 Modify the SGP_MAXJOBS= parameter value. The value specifies the maximum number of jobs that can be referenced during a recording interval duration. The default value is 200.

Step 4 Modify the SGP_MAXSCLS= parameter value. The value specifies the maximum number of storage classes that can be referenced during a recording interval duration. The default value is 100.

Step 5 Modify the SGP_MAXPOLLS= parameter value. The value specifies the maximum number of pools that can be referenced during a recording interval duration. The default value is 100.

Step 6 Modify the SGP_MAXPTHS= parameter value. The value specifies the maximum number of channel paths that can be referenced during a recording interval duration. The default value is 256.

- Step 7** Modify the SGP_MAXLCUS= parameter value. The value specifies the maximum number of logical control units that can be referenced during a recording interval duration. The default value is 256.
- Step 8** Modify the SGP_MAXCCUS= parameter value. The value specifies the maximum number of cache control units that can be referenced during a recording interval duration. The default value is 256.
- Step 9** Modify the SGP_MAXDIRS= parameter value. The value specifies the maximum number of RAID EMC directors that can be referenced during a recording interval duration. The default value is 256.
- Step 10** Modify the SGP_MAXPVLS= parameter value. The value specifies the maximum number of RAID EMC physical volumes that can be referenced during a recording interval duration. The default value is 256.

For RVA users only:

- Step 1** Modify the SG_IXFPNTVL= parameter value. The value specifies the number of hours between refreshes of the IXFP data tables. Valid values are 1 to 24.
- Step 2** Modify the SG_SIBSTK= parameter value. The value specifies the IXFP SIBBATCH parameter member to be used by the MAINVIEW SRM IXFP services for communications with the IXFP address space
- Step 3** Modify the SGP_MAXRSFS= parameter value. The value specifies the maximum number of RVA subsystem frames for which data is to be collected. Valid values are 1 to 999. The default is 16.
- Step 4** Modify the SGP_SIBSTK= parameter value. The value specifies the IXFP SIBBATCH parameter member to be used by the MAINVIEW SRM IXFP services for communications with the IXFP address space.

For the VTOC Scan Facility:

- Step 1** Modify the VSCAN_MNTSK= parameter value. The value specifies the minimum number of tasks (TCBs) used by the VTOC scan to perform the collection. Default value is 2.
- Step 2** Modify the VSCAN_MXTSK= parameter value. The value specifies the prefix name if the VTOC scan collection data set. Default value is 8.
- Step 3** Modify the VSCAN_OINDX= parameter value. The value specifies the prefix name if the VTOC scan collection data set.

- Step 4** Modify the VSCAN_OPRI= parameter value. The value specifies the primary allocation size in cylinders for the VTOC scan collection data set. Default value is 10.
- Step 5** Modify the VSCAN_OSEC= parameter value. The value specifies the secondary allocation size in cylinders for the VTOC scan collection data set. Default value is 10.
- Step 6** Modify the VSCAN_OUNIT= parameter value. The value specifies the device type of the VTOC scan collection data set.
- Step 7** Modify the VSCAN_OVOL= parameter value. The value specifies the volume serial number of the VTOC scan collection data set.
- Step 8** Modify the VSCAN_TPRI= parameter value. The value specifies the primary allocation size in cylinders for the VTOC scan temporary data set. Default value is 10.
- Step 9** Modify the VSCAN_TSEC= parameter value. The value specifies the secondary allocation size in cylinders for the VTOC scan temporary data. Default value is 10.
- Step 10** Modify the VSCAN_TUNIT= parameter value. The value specifies the device type for the VTOC scan temporary data set.
- Step 11** Modify the VSCAN_TVOL= parameter value. The value specifies the volume serial number for the VTOC scan temporary data set.

Task 3: Allocate and Initialize the StorageGUARD Databases

Allocate the StorageGUARD historical space and historical performance databases as instructed in the next two tables.

Tip: Migrating customers: see “Migration Considerations for StorageGUARD Users” on page B-5 for database allocation and conversion information.

For the *historical space* database:

- Step 1** Estimate the size of the historical space database. A database calculation worksheet is provided for you to print and use (see Figure 6-1 on page 6-7).
- Step 2** Copy *?prefix.BBSAMP(SGDALCDB)* to *?prefix.UBBSAMP(SGDALCDB)*.
- Step 3** Follow the user instructions in *?prefix.UBBSAMP(SGDALCDB)* to modify the database allocation JCL.
- Step 4** Save and submit SGDALCDB.

For the *historical performance* database:

- Step 1** Estimate the size of the historical performance database. A database calculation worksheet is provided for you to print and use (see Figure 6-2 on page 6-8).
- Step 2** Copy *?prefix.BBSAMP(SGPALCDB)* to *?prefix.UBBSAMP(SGPALCDB)*.
- Step 3** Follow the user instructions in *?prefix.UBBSAMP(SGPALCDB)* to modify the database allocation JCL.
- Step 4** Save and submit SGPALCDB.

Figure 6-1 Historical Space Database Calculation Worksheet

Enter the number of SG-Control Accounts _____

Enter the number of Pools (Includes DFSMS Storage Groups) _____

Enter the number of volumes _____

Enter the number of RAID boxes _____

Enter the number of RAID Physical Volumes _____

Enter the number of StorageGUARD Snapshots per day _____

Enter the number of days to maintain online data _____

	Bytes	3390 Tracks
(number of Accounts) x (number of Snapshots per day) x (number of days to maintain online) x 60 = Account database size (in bytes)	_____ / 49152 =	_____
(number of pools + number of RAID boxes + number of RAID physical volumes) x (number of Snapshots per day) x (number of days to maintain online) x 45 = Pool database size (in bytes)	_____ / 49152 =	_____
(number of volumes) x (number of Snapshots per day) x (number of days to maintain online) x 85 = Volumes database size (in bytes)	_____ / 49152 =	_____

Based on CI size, the number of bytes per 3390 track is 49152.

Figure 6-2 Historical Performance Database Calculation Worksheet

	Bytes per Interval
Enter the average number of active volumes per interval _____	x 536 = _____
Enter the average number of active DSNs per interval _____	x 432 = _____
Enter the average number of active jobs per interval _____	x 324 = _____
Enter the average number of active CHPIDs per interval _____	x 432 = _____
Enter the average number of active LCUs per interval _____	x 484 = _____
Enter the average number of active Cache CUs per Interval _____	x 500 = _____
Enter the average number of active Pools per Interval _____	x 360 = _____
Enter the average number of active StorClasses per interval _____	x 524 = _____
Enter the average number of active physical volumes per interval _____	x 432 = _____
Enter the average number of active RAID Directors per interval _____	x 88 = _____
Enter the average number of active RVA Frames per interval _____	x 136 = _____
Enter the average number of active RAID Ranks per interval _____	x 80 = _____
Overhead bytes	8192
Add the numbers in the Bytes per Interval column to give you the Total Bytes Per Interval _____	
Enter the number of SMF intervals per day _____	
Enter the number of days to maintain online _____	
(Number of SMF Intervals per day) x (Number of Days maintained online) x (Total Bytes per Interval) = Total Bytes _____	
Total Bytes / 49152 = Total 3390 tracks _____	
Total Tracks / 15 = Total 3390 cylinders _____	

Task 4: Allocate IXFP Work Files

RVA users, allocate the StorageGUARD IXFP work files as instructed in the next two tables.

For the *historical space* IXFP work files:

- Step 1** Estimate the amount of storage space required for the historical space IXFP work files.
- Step 2** Copy *?prefix.BBSAMP(SGDIXFPA)* to *?prefix.UBBSAMP(SGDIXFPA)*.
- Step 3** Follow the user instructions in *?prefix.UBBSAMP(SGDIXFPA)* to modify the IXFP work file allocation JCL.
- Step 4** Save and submit SGDIXFPA.

For the *historical performance* IXFP work files:

- Step 1** Estimate the amount of storage space required for the historical performance IXFP work files.
- Step 2** Copy *?prefix.BBSAMP(SGPIXFPA)* to *?prefix.UBBSAMP(SGPIXFPA)*.
- Step 3** Follow the user instructions in *?prefix.UBBSAMP(SGPIXFPA)* to modify the IXFP work file allocation JCL.
- Step 4** Save and submit SGPIXFPA.

Task 5: Modify the StorageGUARD Started Task JCL

Modify the StorageGUARD started task JCL for the data collectors as instructed in the next two tables.

Tip: For migrating customers, the started task JCL for the historical space and historical performance data collectors has changed significantly from version 5.1. BMC Software recommends that the JCL distributed with version 6.1 be used, rather than attempting to modify version 5.1 JCL for use in version 6.1.

For the *historical space* data collector:

Step 1 Copy *?prefix.BBSAMP(SGDCOLLS)* to *?prefix.UBBSAMP(SGDCOLLS)*.

Note: If you change the name of the started task, you must also change the value on the SGD_PROCNM parameter in SMMSYSxx to correspond to the new name.

Step 2 Follow the user instructions in *?prefix.UBBSAMP(SGDCOLLS)*.

Note: **Notes:** SGDID=0 is required as a default.

Uncomment DD statements that reference RVA work files if RVA data is to be collected.

Step 3 Save the modified member and copy it to a proclib.

For the *historical performance* data collector:

Step 1 Copy *?prefix.BBSAMP(SGPPROC)* to *?prefix.UBBSAMP(SGPPROC)*.

Note: If you change the name of the started task, you must also change the value on the PERFRM_PRC parameter in SMMSYSxx to correspond to the new name.

Step 2 Follow the user instructions in *?prefix.UBBSAMP(SGPPROC)*.

Note: Uncomment DD statements that reference RVA work files if RVA data is to be collected.

Change EXITLIB in SGPPROC to point to the library that contains the exit load modules: SGPERU83 and SGPERU84.

Step 3 Save the modified member and copy it to a proclib.

Task 6: Modify SMF and CMF/RMF Parameters

SMF and CMF/RMF must be active to operate the historical performance feature of StorageGUARD. Prepare SMF and CMF/RMF using the following instructions.

Tip: For migrating customers, the following specifications have not changed from version 5.1.

- Step 1** Specify SMF IEFU83 and IEFU84 exit parameters for the areas that data collection is required. See the example in Figure 6-3 on page 6-12.
- Step 2** Synchronize SMF and CMF/RMF recording intervals. Any valid SMF recording interval is allowed.

If you are running CMF, the following parameters are the minimum required:

```
RECORD  INTERVAL=xx, RUNTIME=1440, SMF=YES
CHANNEL
DEVICE  CLASS=DASD
```

where *xx* is equal to the SMF interval

If you are running RMF, the parmlib member must specify the following measurement, timing, and recording options:

Measurement: CHAN

DEVICE(DASD)

Timing: SYNC(SMF) (synchronizes SMF/RMF intervals)

Recording: RECORD

- Step 3** Turn on type 30 and type 42 records.

Note: The actual recording in the SMF data set of type 42 records can be controlled by the SGP_SMF42 global parameter in the SMMSYS*xx* member.

Example

The following figure shows how to set up SMF for the required exits and record recording.

Figure 6-3 Example SMF Parameters

```

INTVAL(15)                /*GLOBAL INTERVAL)*/
SYNCVAL(15)              /*Synchronization value*/
ACTIVE                   /*ACTIVE SMF RECORDING*/
DSNAME(SYS1.MAN1,SYS1.MAN2,SYS1.MAN3) /* THREE DATA SETS */
NOPROMPT                /*DO NOT PROMPT OPERATOR FOR OPTIONS*
REC(PERM)               /*TYPE 17 PERM RECORDS ONLY*/
MAXDORM(3000)          /* WRITE AN IDLE BUFFER AFTER 30 MIN*
STATUS(010000)         /* WRITE SMF STATS AFTER 1 HOUR*/
JWT(0800)              /* 522 AFTER 8 HOURS */
SID(SYSG)              /* SYSTEM ID IS SYSG */
LISTDSN                /* LIST DATA SET STATUS AT IPL*/
LASTDS(MSG)           /*DEFAULT TO MESSAGE */
NOBUFFS(MSG)          /*DEFAULT TO MESSAGE */
SYS(EXITS(IEFU83,IEFU84,IEFACTRT,IEFUJV,
          IEFUSI,IEFUJI,IEFUTL,IEFU29),INTERVAL(SMF,SYNC),
      NODETAIL)
SUBSYS(STC,EXITS(IEFU29,IEFU83,IEFU84,IEFUJP,IEFUSO),
      INTERVAL(SMF,SYNC))
SUBSYS(XXXX,EXITS(IEFU29,IEFU83,IEFU84,IEFUJP,IEFUSO),
      INTERVAL(SMF,SYNC)) /*XXXXIS SUBSYSTEM CMF TASK IS USING */

```

Chapter 7 Customization Tasks for SG-Auto Users

Follow the instructions in this chapter only if you are licensed for the MAINVIEW SRM SG-Auto product. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	7-1
Task 2: Customize SG-Auto Global Parameters.	7-1
Task 3: Customize the SG-Auto Started Task.	7-2

Task 1: Read the Critical Notes

The SG-Auto started task automatically specifies *?prefix.UBBPARM* as the definition library on the DEFNLIB DD statement.

SG-Auto may be executed in batch for test purposes or report printing only. SVOS must be active for SG-Auto to be executed in batch.

Task 2: Customize SG-Auto Global Parameters

Modify values for SG-Auto global parameters in *?prefix.UBBPARM(SMMSYS.xx)* as instructed in the following table.

Tip: For migrating customers, these parameters were not changed from version 5.1 and should already be included in the SMMSYS member copied into version 6.1 from version 5.1 earlier in the customization process.

- Step 1** Modify the AUTOPROC= parameter value. The value specifies the name that you will assign to *?prefix.BBSAMP(SGAPROC)*, the cataloged procedure used to start SG-Auto (see Task 3).
- Step 2** Modify the SGACMD= parameter value. The value specifies the two-position suffix of the initial command for executing the SG-Auto started task. The suffix will be appended to SMACMD to form the member name as it exists in the MAINVIEW SRM parmlib.
- Step 3** Modify the SGA_ENQSCOP= parameter value. The value specifies the operational environment in which SG-Auto is to run. The value may be GLOBAL or LOCAL. If GLOBAL is specified, SG-Auto issues an ENQ with the SYSTEMS parameter. If you want to run SG-Auto on multiple LPARs, you must specify GLOBAL. If LOCAL is specified, SG-Auto issues an ENQ with the SYSTEM parameter. Refer to the appropriate IBM documentation for a description of the ENQ macro options.

Task 3: Customize the SG-Auto Started Task

Modify the SG-Auto started task JCL using the following instructions.

Tip: For migrating customers, BMC Software recommends that the JCL distributed with version 6.1 be used, rather than attempting to modify version 5.1 JCL for use in version 6.1.

- Step 1** Copy *?prefix.BBSAMP(SGAPROC)* to *?prefix.UBBSAMP(SGAPROC)*.
- Step 2** Follow the user instructions in *?prefix.UBBSAMP(SGAPROC)*.
- Step 3** Save the modified member and copy it to a proclib.

Chapter 8 Customization Tasks for EasyHSM Users

Follow the instructions in this chapter only if you are licensed for the MAINVIEW SRM EasyHSM product. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	8-1
Task 2: Customize EasyHSM Global Parameters.	8-1
Task 3: Customize EasyHSM JCL for HSM Log Collection	8-3

Task 1: Read the Critical Notes

A number of EasyHSM reports are based on data in the DFHSM log files. This data is extracted by MAINVIEW SRM from the log files and written to a MAINVIEW SRM data set. You can run the log-extraction program as part of MAINVIEW SRM, or you can run it in batch mode. For IVP purposes, you will run the log-extraction program in batch.

Task 2: Customize EasyHSM Global Parameters

Modify values for EasyHSM global parameters in *?prefix.UBBPARAM(SMMSYSxx)* using the following instructions.

Tip: For migrating customers, the global parameters in steps 5 through 7 are for new and should be added to the SMMSYSxx member.

Step 1 Modify the HLOGINDX= parameter value. The value specifies the *prefix* of the EasyHSM data set that will contain the records extracted from the DFHSM log file. The *prefix* may contain up to 20 characters in any number of name qualifiers. The full data set name generated for the log extract file is:

prefix.Dyymmdd.Thhmmss.SYSsystem-id

- Step 2** Modify the HLOGPRIM= parameter value. The value specifies the number of tracks to be allocated for the log extract file. One-half of the primary extent is allocated for the secondary (with a minimum of 1). The value may be a number in the range 1–999. If not specified, 15 tracks are used for primary and 10 tracks for secondary.
- Step 3** Modify the HLOGUNIT= parameter value. The value specifies the esoteric or generic unit name for allocation of the log extract file. The default value is SYSALLDA.
- Step 4** Modify the HLOGYDSN= parameter value. The value specifies the fully-qualified data set name of DFHSM logfile Y.
- Step 5** Modify the BCDS n =parameter value. The n specifies a multi-cluster number of 1-4. For a single-volume BCDS, define 1 for the n value. The parameter value specifies the backup data set name.
- Step 6** Modify the MCDS n =parameter value. The n specifies a multi-cluster number of 1-4. For a single-volume MCDS, define 1 for the n value. The parameter value specifies the migrated data set name.
- Step 7** Modify the OCDS n =parameter value. The n specifies a multi-cluster number of 1-4. For a single-volume OCDS, define 1 for the n value. The parameter value specifies the OCDS data set name.

Task 3: Customize EasyHSM JCL for HSM Log Collection

Modify values for EasyHSM log extraction parameters using the following instructions.

Tip: For migrating customers, these parameters have not been modified in this version.

- Step 1** Copy *?prefix.BBSAMP(JCLHSMLX)* to *?prefix.UBBSAMP(JCLHSMLX)*.
- Step 2** Follow the user instructions in *?prefix.UBBSAMP(JCLHSMLX)*.
- Step 3** Save and submit the modified member.

Chapter 9 Customization Tasks for PATROL SRM Users

Follow the instructions in this chapter only if you are licensed for PATROL SRM and MAINVIEW SRM. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	9-1
Task 2: Customize Distributed Systems Collection Agent Started Task .	9-2
Task 3: Modify the Link-Edit JCL for TCP/IP	9-2
Task 4: Start the TCP/IP Transaction Scheduler	9-3
Task 5: Install the PATROL Client Software	9-3

Task 1: Read the Critical Notes

The PATROL server component supports the following communication protocols:

- IBM TCP/IP 3.1 or later
- APPC/LU6.2

You can install support for one or both of these protocols on a single OS/390 system.

You must install the PATROL server component before installing the MAINVIEW SRM client component because important configuration parameters for the client software are defined during installation.

The PATROL server task services online user requests in much the same way that TSO services online user requests. The PATROL server must be assigned to a dispatching priority/job class that is high enough to allow it to get service time ahead of batch and other user work that is not interactive.

The TCP/IP server component started task (SVWTCPIP) must be assigned security authority equal to the sum of authority for all MAINVIEW SRM users. When a user connects to the server, the user logon ID and password are used to build a secured environment restricting the user to authorized activities. Under no circumstances does a user have more authority using PATROL than the MAINVIEW SRM for OS/390 interface.

Task 2: Customize Distributed Systems Collection Agent Started Task

Modify the PATROL started task JCL for TCP/IP using the following instructions.

- Step 1** Copy *?prefix.BBSAMP(SVWTCPIP)* to *?prefix.UBBSAMP(SVWTCPIP)*.
- Step 2** Follow the user instructions in *?prefix.UBBSAMP(SVWTCPIP)*.
- Step 3** Save the modified member and copy it to a proclib.

Task 3: Modify the Link-Edit JCL for TCP/IP

Modify the link-edit JCL using the following instructions.

- Step 1** Copy *?prefix.BBILIB(SVWSASL1)* to *?prefix.UBBSAMP(SVWSASL1)*.
- Step 2** Follow the user instructions in *?prefix.UBBSAMP(SVWSASL1)* to modify the link-edit JCL.
- Step 3** Save and submit the modified member.

Task 4: Start the TCP/IP Transaction Scheduler

Start the TCP/IP transaction scheduler using the following instructions.

- Step 1** Start the TCP/IP communication software.
- Step 2** Start SVWTCPIP.
- Step 3** Watch for the following activation messages to appear at the OS/390 console:

GT001I - MAINVIEW SRM 6.1 TCP/IP Gateway
BGT002I - Gateway initialization completed
BGT003I - Gateway ready for client access

These messages indicate that the MAINVIEW SRM transaction scheduler started successfully.

Note: To stop the MAINVIEW SRM transaction scheduler, type the following command on a console command line:

```
C SVWTCPIP
```

Task 5: Install the PATROL Client Software

Refer to the *PATROL Application-Centric Storage Management Solutions Getting Started Guide* to install the client software.

Chapter 10 Customization Tasks for Enterprise Storage Automation Users

Follow the instructions in this chapter only if you are licensed for the MAINVIEW SRM Enterprise Storage Automation product. The following tasks are described in this chapter:

Task 1: Read the Critical Notes	10-1
Task 2: Install the AutoOPERATOR Component.	10-2
Task 3: Set Up Predefined Solutions in AutoOPERATOR.	10-2
Task 4: Modify Enterprise Storage Automation Global Parameters.	10-3
Task 5: Connect to the AutoOPERATOR Interface	10-3

Task 1: Read the Critical Notes

You must install the AutoOPERATOR component of Enterprise Storage Automation first.

Although not required, BMC Software recommends that you start the AutoOPERATOR component of Enterprise Storage Automation *before* you start Enterprise Storage Automation.

Task 2: Install the AutoOPERATOR Component

Install AutoOPERATOR according to the instructions in the following books. Refer only to those sections of the books that pertain to AutoOPERATOR.

- *OS/390 and z/OS Installer Guide*
- *MAINVIEW Installation Requirements Guide*
- *MAINVIEW Common Customization Guide*
- *Implementing Security for MainView Products*

Tip: If AutoOPERATOR is already installed on your system, no new installation or customization is necessary for that product.

Task 3: Set Up Predefined Solutions in AutoOPERATOR

After the AutoOPERATOR component is installed, set up predefined Enterprise Storage Automation solutions in AutoOPERATOR using the following instructions.

Tip: For migrating customers, these rules have not changed from version 5.1.

Step 1 Copy the following members from MAINVIEW SRM *?prefix*.BBSAMP to the AutoOPERATOR *?prefix*.UBBPARM. These members must be placed in the first library in the BBIPARM concatenation of the AutoOPERATOR BBISS started task.

- RULSRS
- SRSVARG
- SRSVARH
- SRSVARW
- SRSVARD

Step 2 Issue the following AutoOPERATOR console command to execute the SETVAR EXEC that initializes parameters for the predefined solutions:

```
%SETVAR SRSVARG SRSVARH SRSVARW SRSVARD SRSVARA
```

Once you issue this command, SETVAR will run automatically when AutoOPERATOR is started.

Step 3 Add the RULSRS rule set to the rule set parameter in AutoOPERATOR *?prefix*.UBBPARM (AAOPRM00).

Once you add RULSRS to the rule set parameter, RULSRS will be enabled automatically when AutoOPERATOR is started

Task 4: Modify Enterprise Storage Automation Global Parameters

Modify values for Enterprise Storage Automation global parameters in *?prefix*.UBBPARM(SMMSYS*xx*) as instructed in the following table.

- Step 1** Modify the EVNT= parameter value. The value specifies the suffix you assign to the name of the SMEVNT*xx* event definition member. This parameter is not required for system events that you are not overriding. The default value is 00.
- Step 2** Modify the AOO_SUBSYS= parameter value. The value specifies the AutoOPERATOR subsystem(s) to receive events for viewing on an AutoOPERATOR console. You can specify up to three AutoOPERATOR subsystems. This value corresponds to the value specified on the SS= parameter in the AutoOPERATOR JCL.

Task 5: Connect to the AutoOPERATOR Interface

Set up the connection to the AutoOPERATOR interface using the following instructions.

Tip: For migrating customers, these parameters have not changed from version 5.1. See “Migration Considerations for Enterprise Storage Automation Users” on page B-5 for changes to the SMEVNT member.

- Step 1** Create a data set named *?prefix*.BBPROF (if you do not already have one) where *?prefix* is the data set name you specified on the SVAOPREF= parameter.
- Step 2** Create a new member named *?prefix*.BBPROF(BBITSP00) (if you do not already have one).
- Step 3** Add the following statement to *?prefix*.BBPROF(BBITSP00):

```
PRIMAPPL=AO
TARGET=xxxx, TYPE=AO
```

where *xxxx* is the name of an AutoOPERATOR subsystem. This value corresponds to the value specified on the SS= parameter in the AutoOPERATOR JCL.

Chapter 11 Verification Tasks for All MAINVIEW SRM Users

You should verify that you have successfully completed the installation of MAINVIEW SRM and that all licensed products are functional. If you followed the customization tasks in previous chapters, you have already added global parameters required for verification. However, a quick reference guide for commonly-used parameters is provided in Appendix A, “Additional Global Parameters” if you would like to add them before you verify the installation.

Note: There are currently no IVPs for EasySMS or PATROL.

The following verification tasks are described in this chapter:

Task 1: Start the SVOS Started Task.	11-2
Task 2: Start the MAINVIEW Interface	11-2
Task 3: Define a Pool	11-3
Task 4: Start SVALLOC	11-4
Task 5: Verify EasyPOOL.	11-4
Task 6: Verify StopX37/II.	11-5
Task 7: Verify EasyHSM	11-6
Task 8: Verify StorageGUARD.	11-8
Task 9: Verify SG-Auto	11-11
Task 10: Verify SG-Control	11-12
Task 11: Verify Enterprise Storage Automation	11-13
Where to Go from Here	11-14

Task 1: Start the SVOS Started Task

From a system console, issue the following command to start SVOS:

```
S SVOS
```

If SVOS fails to start, check for the following:

- Is the SVOS JCL in a PROCLIB in the JESx PROCLIB concatenation?
- Are all data set names correctly spelled in the JCL?
- Is *?prefix.BBLINK* APF authorized?

Contact BMC Software Customer Support if you need further assistance.

Task 2: Start the MAINVIEW Interface

From the ISPF command shell, issue the following command:

```
TSO mainview clist
```

If the ISPF interface fails to start or if you receive error messages, check for the following:

- Is *?prefix.BBLINK* APF authorized?
- Has *?prefix.BBLINK* been added to the LNKLIST or the STEPLIB concatenation for the TSO logon PROC?
- Have all of the entries in Table 4-1 on page 4-16 been added to SYS1.PARMLIB(IKJTSOxx)?

Contact BMC Software Customer Support if you need further assistance.

Task 3: Define a Pool

If you are not licensed for any of the following MAINVIEW SRM products, skip this task:

- EasyPOOL
- SG-Auto
- StorageGUARD

If you are licensed for any of these products, define a pool using the following instructions.

Step 1 Copy *?prefix.BBSAMP(SMPOOLIV)* to *?prefix.UBBPARAM(SMPOOLIV)*.

Step 2 If you haven't already started MAINVIEW SRM, do so now.

Step 3 From the EZSRM Menu, select **Parmlib Members**. The Parmlib Members menu is displayed.

Step 4 Select **Pools**, from the Parmlib Members menu.

Step 5 Type **E** in the line command field of the **CMD** column next to SMPOOLIV, then press **Enter**.

Step 6 Follow the user instructions in *?prefix.UBBPARAM(SMPOOLIV)*.

Step 7 Press **PF3** to save and exit the member.

Step 8 Type **R** in the line command field of the **CMD** column next to SMPOOLIV, then press **Enter**. The member is refreshed.

Note: By refreshing SMPOOLIV, you have made it the active pool list. It will remain active until SVOS is stopped or until you refresh another pool member. See the *MAINVIEW SRM User Guide and Reference* for instructions on how to change pool lists permanently.

Task 4: Start SVALLOC

If you are not licensed for any of the following MAINVIEW SRM products, skip this task:

- EasyPOOL
- EasySMS
- StopX37/II

If you are licensed for any of these products, start SVALLOC using the following instructions.

Step 1 From a system console, issue the following command:

```
F SVOS,S SVALLOC
```

Step 2 Look for the following message in the syslog to find out if SVALLOC starts successfully:

```
SVO0610 MAINVIEW SRM/ALLOC Re1 6.1.0 HAS BEEN STARTED ON  
ETIS
```

If SVALLOC fails to start, check to make sure that you used a valid password. Contact BMC Software Customer Support if you need further assistance.

Task 5: Verify EasyPOOL

If you are not licensed for the EasyPOOL product, skip this task. If you are licensed for EasyPOOL, follow the instructions in the next table.

Step 1 Copy *?prefix.BBSAMP(SMFLSTDP)* to *?prefix.UBBPARM(SMFLSTDP)*.

Step 2 Copy *?prefix.BBSAMP(SMRLSTDP)* to *?prefix.UBBPARM(SMRLSTDP)*.

Step 3 Copy *?prefix.BBSAMP(IVPEZP01)* to *?prefix.UBBSAMP(IVPEZP01)*.

Step 4 In *?prefix.UBBPARM(SMFLSTDP)*, follow the user instructions.

Step 5 In *?prefix.UBBPARM(SMRLSTDP)*, follow the user instructions.

Step 6 From the EZSRM Menu, select **Functions**.

Step 7 Type **C** in the line command field of the **CMD** column next to DASDPOOL, then press **Enter**. The MAINVIEW SRM Functions Modifications pop-up panel is displayed.

Step 8 In the **Filter list suffix** field, type **DP**.

Step 9 In the **Resource list suffix** field, type **DP**.

Note: The suffix changes for the DASDPOOL function will remain in effect only until SVOS is stopped. See the *MAINVIEW SRM User Guide and Reference* for instructions on permanently changing function suffixes.

Step 10 Press **Enter**.

Step 11 Type **A** in the line command field of the **CMD** column next to DASDPOOL, then press **Enter**. The DASDPOOL function is activated.

Step 12 In *?prefix*.UBBSAMP(IVPEZP01), follow the user instructions, then save and submit the member.

Step 13 The data sets in DD1 and DD2 are allocated to volumes in the IVPPOOL. The data set in DD3 is allocated to the volume specified in the JCL. If the allocations failed, check for the following:

- Did you use a valid password?
- Is SMPOOLIV the active pool list?
- Is SMFLSTDP the active filter list for the DASDPOOL function?
- Is SMRLSTDP the active resource list for the DASDPOOL function?
- Does the jobname specified in the filter and resource lists match the jobname used in the IVP job?

Contact BMC Software Customer Support if you need further assistance.

Task 6: Verify StopX37/II

If you are not licensed for the StopX37/II product, skip this task. If you are licensed for StopX37/II, follow the instructions in the next table.

Step 1 Copy *?prefix*.BBSAMP(SMFLSTSP) to *?prefix*.UBBPARM(SMFLSTSP).

Step 2 Copy *?prefix*.BBSAMP(SMRLSTSP) to *?prefix*.UBBPARM(SMRLSTSP).

Step 3 Copy *?prefix*.BBSAMP(IVPX3701) to *?prefix*.UBBSAMP(IVPX3701).

Step 4 In *?prefix*.UBBPARM(SMFLSTSP), follow the user instructions.

Step 5 In *?prefix*.UBBPARM(SMRLSTSP), follow the user instructions.

Step 6 From the EZSRM Menu, select **Functions**.

Step 7 Type **C** in the line command field of the **CMD** column next to SPACPRIM, then press **Enter**. The MAINVIEW SRM Functions Modifications pop-up panel is displayed.

Step 8 In the **Filter list suffix** field, type **SP**.

Step 9 In the **Resource list suffix** field, type **SP**, then press **Enter**.

Note: The suffix changes for the SPACPRIM function will remain in effect only until SVOS is stopped. See the *MAINVIEW SRM User Guide and Reference* for instructions on permanently changing function suffixes.

Step 10 In *?prefix*.UBBSAMP(IVPX3701), follow the user instructions, then save and submit the member.

Step 11 The space for data set DD1 will be reduced in 10 percent increments until it fits on the designated volume. If the data set allocation fails, check for the following:

- Did you use a valid password?
- Is SMFLSTSP the active filter list for the SPACPRIM function?
- Is SMRLSTSP the active resource list for the SPACPRIM function?
- Does the jobname specified in the filter and resource lists match the jobname used in the IVP job?
- Is there any space at all on the selected volume?

Contact BMC Software Customer Support if you need further assistance.

Task 7: Verify EasyHSM

If you are not licensed for the EasyHSM products, skip this task:

If you are licensed for any of these products, start SVHSM using the following instructions.

Step 1 From a system console, issue the following command:

```
F SVOS,S SVHSM
```

Step 2 Look for the following message in the syslog to find out if SVHSM starts successfully:

```
SVO0610 MAINVIEW SRM/SVHSM Re1 6.1.0 HAS BEEN STARTED ON  
ETIS
```

If SVHSM fails to start, check to make sure that you used a valid password. Contact BMC Software Customer Support if you need further assistance.

If you are not licensed for the EasyHSM product, skip this task. If you are licensed for EasyHSM, you must verify the CDS query and the log extraction.

To verify the CDS query:

- Step 1** Set the **TIME** command to include the time period for which you wish to retrieve data. To set the **TIME** command, type **TIME** on the command line. Type **HELP TIME** for complete instructions.
- Step 2** From the EZSRM Menu, select the **EasyHSM**.
- Step 3** From the EZHSM Menu, select **Migrated data set view**. The MAINVIEW SRM HSM Migrated Data Set Options pop-up panel is displayed.
- Step 4** In the **Data set name level** parameter field, type a DSN mask for data sets that you know are migrated. For example:
- TEST/**
- for all data sets beginning with TEST
- Step 5** In the **Data set type** parameter field, type **AI I**.
- Step 6** In the **Migration level** parameter field, type **A**.
- Step 7** In the **Include catalog information** parameter field, type **Yes**.
- Step 8** Press **Enter**. The MAINVIEW SRM HSM Migrated data set report is displayed.

If the data set report is not displayed, check for the following:

- Did you use a valid password?
- Did you correctly specify the DFHSM CDSs in SMMSYS.xx?
- Did you correctly specify the DSN mask?
- Is the SVHSM product started?

Contact BMC Software Customer Support if you need further assistance.

To verify the log extraction:

- Step 1** Set the **TIME** command to include the time period for which you wish to retrieve data. To set the **TIME** command, type **TIME** on the command line. Type **HELP TIME** for complete instructions.
- Step 2** From the EZSRM Menu, select the **EasyHSM**.
- Step 3** From the EZHSM Menu, select **Error summary**. The Error Summary View options panel is displayed.
- Step 4** In the **Data set name** field, type **/**.
- Step 5** Press **Enter**. The EasyHSM Error Summary report is displayed. Use **PF11** to scroll right, and use **PF10** to scroll left.

This report should contain data, even if all migrations, recalls, backups and recoveries completed successfully. If the report does not display data, check for the following:

- Did you use a valid password?
- Was there any DFHSM activity on this system?
- Did the job (JCLHSM LX) create an output data set?
- Was there any data in the DFHSM LOGY file?

Contact BMC Software Customer Support if you need further assistance

Note: Some systems use automation to backup and clear the DFHSM log files as soon as DFHSM swaps the logs. If your system backs up and clears the DFHSM log files, see the *MAINVIEW SRM EasyHSM User Guide and Reference* for instructions on how to extract log data from the backup files.

Task 8: Verify StorageGUARD

If you are not licensed for the StorageGUARD product, skip this task. If you are licensed for StorageGUARD, you must verify

- the historical space data collector started task and databases
- the historical performance data collector started task and databases

To verify the historical space data collector started task:

- Step 1** From a system console, issue the following command:

```
F SVOS ,S SVSGD
```

Step 2 Look for the following message in the syslog to find out if the historical space data collector starts successfully:

```
SVO0610 MAINVIEW SRM/SGD Rel 6.1.0 HAS BEEN STARTED ON
ETIS
```

- If the historical space data collector fails to start, check for the following:
- Did you use a valid password?
- Was the historical space data collector started task copied to a JESx PROCLIB?
- Is the JCL correct?
- Does the PROC name match what is specified in the SGD_PROCNM= parameter in *?prefix*.UBBPARM(SMMSYSxx)?

Contact BMC Software Customer Support if you need further assistance.

To verify the historical space databases:

Step 1 From the EZSRM Menu, select **Historical Space**. The MVSRRMSGD

Menu displays.

Step 2 Select **Pool Utilization**. The SPPOOL view is displayed.

Step 3 Type **V** in the line command field of the **CMD** column next to the IVPPOOL pool name.

Step 4 Press **Enter**. The Volume Report is displayed and shows the volumes you specified in SMPOOLIV.

If you are unable to verify the databases, wait for one interval to complete (as specified in the SG_WRITNTVL global parameter), then try again. If you are still unable to verify the databases after waiting, check for the following:

- Did you use a valid password?
- Were the data set names correctly entered in COSSINIT?

Contact BMC Software Customer Support if you need further assistance.

To verify the historical performance data collector started task:

Step 1 From a system console, issue the following command:

```
F SVOS,S SVSGP
```

Step 2 Look for the following message in the syslog to find out if the historical performance data collector starts successfully:

```
SVO0610 MAINVIEW SRM/SGP Re1 6.1.0 HAS BEEN STARTED ON  
ETIS
```

If the historical performance data collector fails to start, check for the following:

- Did you use a valid password?
- Was the historical performance data collector started task copied to a JESx PROCLIB?
- Is the JCL correct?
- Does the PROC name match what is specified in the SGD_PROCNM= parameter in *?prefix*.UBBPARM(SMMSYSxx)?

Contact BMC Software Customer Support if you need further assistance.

To verify the historical performance databases:

Step 1 From the EZSRM Menu, select **Historical Performance**. The EZSRMSGP Menu displays.

Step 2 Select **Pools**. The PRPOOL view is displayed.

Step 3 Type **V** in the line command field of the **CMD** column next to the IVPPool pool name.

Step 4 Press **Enter**. The Volume view is displayed and shows the volumes you specified in SMPOOLIV.

If you are unable to verify the databases, wait for one interval to complete (as specified in the SG_WRITNTVL global parameter), then try again. If you are still unable to verify the databases after waiting, check for the following:

- Did you use a valid password?
- Were the data set names correctly entered in SMMSYSxx?

Contact BMC Software Customer Support if you need further assistance.

Task 9: Verify SG-Auto

If you are not licensed for the SG-Auto product, skip this task. If you are licensed for SG-Auto, follow the instructions in the next table.

Step 1 Copy *?prefix.BBSAMP(SMACMDIV)* to *?prefix.UBBPARAM(SMACMDIV)*.

Step 2 In *?prefix.UBBPARAM(SMACMDIV)*, follow the user instructions.

Step 3 From the MVWRM Menu, select **Parmlib Members**. The Parmlib Members menu is displayed.

Step 4 Select **System** from the Parmlib Members menu.

Step 5 Type **E** in the line command field of the **CMD** column next to SMMSYS00, then press **Enter**. The SMMSYS00 member is displayed.

Step 6 Change the value on the SGACMD parameter from **01** to **IV**.

Step 7 Press **PF3** to save and exit the member.

Step 8 Type **R** in the line command field of the **CMD** column next to SMMSYS00, then press **Enter**. The member is refreshed.

Step 9 From a system console, issue the following command:

```
F SVOS,S SVSGA
```

Step 10 Look for the following message in the syslog to find out if SG-Auto starts successfully:

```
SVO0610 MAINVIEW SRM/SGA Rel 6.1.0 HAS BEEN STARTED ON
ETIS
```

Step 11 Check to see if the SG-Auto started task is running. After approximately 10 minutes, you should begin receiving messages that IVPPOOL exceeds threshold. If the SG-Auto started task fails to start or you do not receive any messages, check for the following:

- In the syslog, look for related messages issued after the start command for SG-Auto was issued.
- Was the SG-Auto started task copied to a JESx PROCLIB?
- Are the global parameters correct?

Contact BMC Software Customer Support if you need further assistance.

Task 10: Verify SG-Control

If you are not licensed for the SG-Control product, skip this task. If you are licensed for SG-Control, follow the instructions in the next table.

- Step 1** Copy *?prefix.BBSAMP(SMFLSTSC)* to *?prefix.UBBPARM(SMFLSTSC)*.
- Step 2** Copy *?prefix.BBSAMP(SMRLSTSC)* to *?prefix.UBBPARM(SMRLSTSC)*.
- Step 3** Copy *?prefix.BBSAMP(IVPSGC01)* to *?prefix.UBBSAMP(IVPSGC01)*.
- Step 4** In *?prefix.UBBPARM(SMFLSTSC)*, follow the user instructions.
- Step 5** In *?prefix.UBBPARM(SMRLSTSC)*, follow the user instructions.
- Step 6** From a system console, issue the following command:
- ```
F SVOS,S SVSGC
```
- Step 7** From the EZSRM Menu, select **Functions**.
- Step 8** Type **C** in the line command field of the **CMD** column next to SGCONTRL, then press **Enter**. The MAINVIEW SRM Functions Modifications pop-up panel is displayed.
- Step 9** In the **Filter list suffix** field, type **SC**.
- Step 10** In the **Resource list suffix** field, type **SC**, then press **Enter**.
- Note:** The suffix changes for the SGCONTRL function will remain in effect only until SVOS is stopped. See the *MAINVIEW SRM User Guide and Reference* for instructions on permanently changing function suffixes.
- Step 11** Type **A** in the line command field of the **CMD** column next to SGCONTRL, then press **Enter**. The SGCONTRL function is activated.
- Step 12** In *?prefix.UBBSAMP(IVPSGC01)*, follow the user instructions, then save and submit the member.
- Note:** Use the same *?prefix* qualifier that you assigned to SMFLSTSC and SMRLSTSC in steps 4 and 5.
- Step 13** Review the output from the IVPSGC01 job. The job should:
- Allocate a data set
  - display information about account IVPPERM

- Delete the data set
- Again display information about account IVPPERM

Contact BMC Software Customer Support if you have any problems running IVPSGC01.

## Task 11: Verify Enterprise Storage Automation

If you are not licensed for the Enterprise Storage Automation, skip this task. If you are licensed for Enterprise Storage Automation, follow the instructions in the next table.

**Note:** These instructions describe how to generate an event from the StopX37/II SPACPRIM function. If you are not licensed for StopX37/II, select a function for a product that you are licensed to use.

- Step 1** AutoOperator users, create a rule for an external event in AutoOperator that looks for text ID SV\* and sends a message to your TSO user ID.
- Step 2** Copy *?prefix.BBSAMP(SMEVNTxx)* to *?prefix.UBBPARM(SMEVNTxx)*.
- Step 3** Copy *?prefix.BBSAMP(SMRLSTSP)* to *?prefix.UBBPARM(SMRLSTSP)*.
- Step 4** Copy *?prefix.BBSAMP(IVPESA01)* to *?prefix.UBBSAMP(IVPESA01)*.
- Step 5** From a system console, issue the following command:
- ```
F SVOS,S SVESA
```
- Step 6** From the MVWRM Menu, select **Parmlib Members**. The Parmlib Members menu is displayed.
- Step 7** Select **System** from the Parmlib Members menu.
- Step 8** Type **E** in the line command field of the **CMD** column next to SMMSYS00 then press **Enter**. The SMSYS00 member is displayed.
- Step 9** Verify that there is an **EVNT** parameter with a value of **00** in SMMSYS00, then press **F3** to exit the member.
- Step 10** From the selection list on the menu, select **Option 10, Events**. The MAINVIEW SRM Global Administration panel is displayed.
- Step 11** Type **E** in the line command field of the **CMD** column next to SMEVNT00, then press **Enter**. The SMEVNT00 member is displayed.

- Step 12** Verify that there is an **EVNTID** parameter with a value of **U0001** in **SMEVNT00**, then press **F3** to exit the member.
- Step 13** From the **MVWRM** Menu, select **Parmlib Members**. The **Parmlib Members** menu pops up in the center of the panel.
- Step 14** Select **FLST/RLST**.
- Step 15** Type **E** in the line command field of the **CMD** column next to **SMRLSTSP**, then press **Enter**. The **SMRLSTSP** member is displayed.
- Step 16** Verify that there is an **EVNTID** parameter with a value of **U0001** in **SMRLSTSP**, then press **F3** to exit the member.
- Step 17** In *?prefix*.**UBBSAMP(IVPESA01)**, follow the user instructions, then save and submit the member.

The **U0001** event is displayed at the specified destinations if event generation is successful.

Contact BMC Software Customer Support if you need further assistance.

Where to Go from Here

The instructions thus far have been limited to the purpose of allowing you to verify that **MAINVIEW SRM** has been successfully installed to run on your system(s). Complete information for customizing **MAINVIEW SRM** beyond installation verification is contained in the following manuals.

- *MAINVIEW SRM User Guide and Reference*
- *MAINVIEW SRM DMS2HSM User Guide and Reference*
- *MAINVIEW SRM EasyHSM User Guide and Reference*
- *MAINVIEW SRM EasyPOOL User Guide and Reference*
- *MAINVIEW SRM EasySMS User Guide and Reference*
- *MAINVIEW SRM SG-Auto User Guide and Reference*
- *MAINVIEW SRM SG-Control User Guide and Reference*
- *MAINVIEW SRM Enterprise Storage Automation User Guide*
- *MAINVIEW SRM StopX37/II User Guide and Reference*
- *MAINVIEW SRM StorageGUARD User Guide and Reference*

Appendix A Additional Global Parameters

You may also want to modify the following frequently used parameters in SMMSYSxx during implementation. The column headings specify which components use the parameters. For a complete list of global system parameters, see the *MAINVIEW SRM Reference Summary*.

Table A-1 Frequently Used Optional Global Parameter Quick Reference

Parameter	EasyPOOL	EasyHSM	SG-Auto	SG-Control	StopX37/II	StorageGUARD
DMYUNIT=	X					
DP_RENAME	X					
HLOGAUTH=						
HLOGCOLL=		X				
HLOGTASK=		X				
JCLEXT=	X					
PERFRM_PRC=						X
SGA_ENQSCOP=			X			
SGD_SMFID=				X		
SGP_EXITLIB=						X
SGP_SMF42=						X
TRKCYL=	X					
VSAMPRIM=					X	

DMYUNIT=	
Purpose:	Defines the conversion of a nonexistent UNIT parameter to a valid UNIT parameter only if JCLEXT=YES.
Syntax:	DMYUNIT=(xxxxxxxx,zzzzzzz,...xxxxxxxx,zzzzzzz) where the first xxxxxxxx is the invalid UNIT parameter to be converted to the valid UNIT parameter zzzzzzzz. Multiple pairs of DMYUNITs can be specified.
Required:	No
Default:	None

DP_RENAME=	
Purpose:	Specifies to EasyPOOL that during DADSM RENAME, DASDPOOL will be driven to verify that the POOL containing the volume on which the data set currently resides is also a POOL that would be assigned to the renamed data set. If the first POOL in which the current volume is found does not match a POOL that would be assigned to the renamed data set, the RENAME will be denied.
Syntax:	DP_RENAME=YES/NO
Required:	No
Default:	DP_RENAME=NO
Note: The new FLST/RLST parameter DADSM_FUNC should be used to limit the data sets processed by enabling this option.	

HLOGAUTH=	
Purpose:	Specifies the <i>hours</i> component of the duration between automatic logfile switching. EasyHSM reporting extracts records from the DFHSM logfiles. If HLOGCOLL=YES is specified, MAINVIEW SRM will switch the DFHSM logfile and extract the required records for EasyHSM automatically. The switching interval is specified in hours and minutes by the parameters HLOGAUTH and HLOGAUTM.
Syntax:	HLOGAUTH= <i>nn</i> where <i>nn</i> specifies a number of hours in the range 0–24.
Required:	Yes
Default:	HLOGAUTH=00

HLOGCOLL=	
Purpose:	Specifies whether MAINVIEW SRM will perform DFHSM logfile switching and record extraction for EasyHSM automatically. EasyHSM reporting requires certain records from the DFHSM logfiles. If HLOGCOLL=YES is specified, MAINVIEW SRM will switch the DFHSM logfiles and run a record extraction program automatically at the interval specified by the HLOGAUTH/M parameters. For more information on DFHSM logfile switching and extraction, see the <i>MAINVIEW SRM EasyHSM User Guide and Reference</i> .
Syntax:	HLOGCOLL=YES/NO
Required:	No
Default:	HLOGCOLL=NO

HLOGTASK=	
Purpose:	Specifies the name of the procedure to be run following the EasyHSM DFHSM logfile switch program execution. EasyHSM reporting extracts records from the DFHSM logfiles. If HLOGCOLL=YES is specified, MAINVIEW SRM will switch the DFHSM logfile and extract the required records for EasyHSM automatically. HLOGTASK may be used to run a task associated with the logfile switch performed by the MAINVIEW SRM utility.
Syntax:	HLOGTASK=xxxxxxx
Required:	No
Default:	None

JCLEXT=	
Purpose:	Specifies if EasyPOOL will obtain volume and unit information after MVS accessed the catalog.
Syntax:	JCLEXT=YES/NO
Required:	No
Default:	JCLEXT=YES
Note: If JCLEXT=YES is specified, all non-valid unit names must be specified in DMYUNIT; otherwise, MVS will fail the allocation. Also, JCLEXT=YES should be used carefully if PROCOLD=YES is also specified, because JCLEXT will find a unit and volume from the catalog, whereas PROCOLD=YES will allow the existing data set to be reprocessed, possibly assigning a different (and invalid) volume. JCLEXT=NO is primarily supplied for compatibility with the POOLDASD product. Under MAINVIEW SRM, there is no significant benefit to specifying JCLEXT=NO.	

PERFRM_PRC=	
Purpose:	Specifies the name of the procedure used to start the historical performance data collector. The procedure is distributed in <i>?prefix</i> .BBSAMP as member SGPPROC.
Syntax:	PERFRM_PRC=xxxxxxx where xxxxxxxx is an 8-character string.
Required:	No
Default:	None

SGA_ENQSCOP=	
Purpose:	Specifies the operational environment in which SG-Auto is to run. If GLOBAL is specified, SG-Auto issues an ENQ with the SYSTEMS parameter. If LOCAL is specified, SG-Auto issues an ENQ with the SYSTEM parameter. Refer to the appropriate IBM documentation for a description of the ENQ macro options.
Syntax:	SGA_ENQSCOP=GLOBAL/LOCAL
Required:	Required for SG-Auto
Default:	GLOBAL

SGD_SMFID=	
Purpose:	Controls the generation of SMF records for StorageGUARD.
Syntax:	SGD_SMFID= <i>nnn</i> where <i>nnn</i> is a value in the range 0–255
Required:	No
Default:	0

SGP_EXITLIB=	
Purpose:	Specifies the default library where the StorageGUARD Performance collector SMF exits reside.
Syntax:	SGP_EXITLIB= <i>xxxxxxxx</i>
Required:	No
Default:	SGP_EXITLIB=SYS1.LINKLIB

SGP_SMF42=	
Purpose:	Determines if the SMF 42 record is written to the SMF data set. If set to NO, SG-Perform does not allow the record to be written.
Syntax:	SGP_SMF42= <i>YES/NO</i>
Required:	No
Default:	SGP_SMF42=NO

TRKCYL=	
Purpose:	Specifies the number of tracks per cylinder for the default device type. The value specified for 3380/3390/9345 devices should be 15. (Note that this specification is the same as the SCDS base configuration DEFINE under ISMF for DFSMS.) TRKCYL and TRKLEN are used by the DASDPOOL and FRAGCNTL functions to convert allocations in tracks or cylinders to megabytes for volume selection based on available space; for example, VOLSEL=BESTFIT. The information specified on these two parameters should reflect the devices that are most prevalent in your environment.
Syntax:	TRKCYL= <i>nnnnn</i> where <i>nnnnn</i> is a 1 to 5 digit number.
Required:	Yes
Default:	None

VSAMPRIM=	
Purpose:	Specifies that volume additions to a VSAM file (by SPACVOLA) will use the primary allocation size instead of the secondary.
Syntax:	VSAMPRIM= <i>YES</i> Use the <i>primary</i> allocation size. VSAMPRIM= <i>NO</i> Use the <i>secondary</i> allocation size.

VSAMPRIM=	
Required:	No
Default:	VSAMPRIM=NO

Appendix B Migrating from Previous Releases

This appendix explains migration considerations for users who are upgrading from earlier releases of MAINVIEW SRM products. This appendix contains the following topics:

Migration Considerations for All Users	B-2
Migration Considerations for Sysplex Users	B-2
Migration Considerations for HIPER-CACHE Users	B-4
Migration Considerations for Enterprise Storage Automation Users	B-5
Migration Considerations for EasyHSM Users	B-5
Migration Considerations for StorageGUARD Users	B-5
Migration Considerations for SG-Control Users	B-6
Migration Considerations for RESOLVE SRM Explorer Users	B-7

Migration Considerations for All Users

To ensure a smooth transition from RESOLVE SRM 5.1 to MAINVIEW SRM 6.1, please complete all checklists, worksheets, and customization steps in this guide.

Migration tips are included where appropriate. The migration tips

- point you to migration considerations for a product
- tell you whether you can skip a task
- tell you which steps have changed
- describe specific procedures recommended by BMC Software.

In the migration process, you will create a new MAINVIEW SRM parmlib; however, parmlib members from the previous release will be copied into this the new parmlib. Thus, current system, pool, rule list, filter list, calendar, SMS pool, function, event, critlist, and other definitions will be brought forward.

Of particular interest to migration customers is the new global parameter, BBI3_SSID, which must be added to the SMMSYSxx member in the order specified in “Task 13: (Optional) Update MAINVIEW SRM Global Parameters” on page 4-17. This parameter specifies the Coordinating Address Space (CAS) subsystem name to which the SVOS Product Address Space (PAS) should connect. Since the BBI3 connection occurs during SVOS startup, SVOS will not start if BBI3_SSID is not specified. To update the value of BBI3_SSID, SVOS must be stopped and restarted; it cannot be refreshed. The CAS subsystem name is specified in the SSID= parameter on the PARM= keyword for the CAS JCL EXEC statement.

Migration Considerations for Sysplex Users

MAINVIEW SRM 6.1 uses BBI-3 architecture and supports sysplex. The information in this section will help you understand the migration from a single-system environment to a shared parmlib environment.

In a shared parmlib environment, you can implement and maintain MAINVIEW SRM systems by coding statements in a shared OS/390 partitioned data set (PDS). MAINVIEW SRM parmlib members support new INC/EXC parameters to the SET statement and a new override capability to certain SET statements.

You may choose to share SMMSYS_{xx} but not SMPOOL_{xx} or other member(s). Sharing parmlib members requires a well thought out naming convention to prevent pools from having the same name and different characteristics on different systems.

Sysplex Parameters

The same parameters used in the nonshared environment are supported in the shared environment. To accommodate a shared parmlib environment, three INC/EXC keywords, FORSYSID, FORSMFID, and FORPLEXNAME are valid in the following members:

- SMMSYS_{xx}
- SMFUNC_{xx}
- SMPOOL_{xx}
- SMFLST_{xx}
- SMRLST_{xx}
- SMDIAG_{xx}
- SMEVNT_{xx}
- SMCRT_{xx}
- SMCALS_{xx}
- SMSPOL_{xx}
- SMVARS_{xx}

The SET statement can be overridden, which means that you can code an initial SET statement in the shared SMMSYS_{xx}, SMFUNC_{xx}, SMPOOL_{xx}, SMDIAG_{xx}, SMEVNT_{xx} and SMCRT_{xx} members, followed by INC/EXC parameters for each image in the sysplex.

The last INC/EXC statement coded in a SET statement is accepted as the override value. Previously coded INC/EXC statements are ignored.

Syntax Considerations for the Shared Parmlib Environment

If no INC FORSYSID= is coded on a SET statement, the SET statement applies to all systems in the sysplex, ensuring that you do not have to change all of your definitions to migrate from previous releases to 6.1.

If multiple SET POOLNAME= parameters are found in a shared member for the same POOLNAME, the last value coded for the parameter overrides all other values. INC/EXCs cannot be overridden, that is, they are not allowed on multiple SET statements. For example:

```
SET POOLNAME=DOUG SGDCOLLECT=NO
INC VOL=BAB/
INC VOL=SHK/
INC SYSID=*
SET POOLNAME=DOUG SGDCOLLECT=YES
INC SYSID=SJSG
```

In this example, only the SET parameters are overridden, assuming that all volumes in a given pool should be the same on all images in a sysplex. You cannot define pools with the same name but with different volumes on different images.

Selection Criteria Ordering

The order of selection criteria has not changed; however, INC FORSYSID=, FORSMFID=, and FORPLEXNAME default to the current image unless an include statement for one of the three is coded. In the later, the include statements determine the selection. For example:

INC FORSYSID=SYSG	results in the selection of system SYSG only
EXC FORSYSID=SYSG	results in the selection of all images in the sysplex, except SYSG.

Migration Considerations for HIPER-CACHE Users

The HIPER-CACHE product is not supported under the MAINVIEW SRM version 6.1 Loader subsystem (SVOS). Contact your sales representative to upgrade to Batch Optimizer.

However, if you want to continue to use the HIPER-CACHE product, you may run the Loader subsystem version that was supplied with the HIPER-CACHE product on the same OS/390 platform as MAINVIEW SRM version 6.1. The HIPER-CACHE product *can* be started using that Loader subsystem.

Migration Considerations for Enterprise Storage Automation Users

In this release of the product, Enterprise Storage Automation events can only be routed to the MAINVIEW AutoOPERATOR console. Therefore, you should update SMEVNTxx to remove the ETS value from the DEST=(AOO,ETS) keyword parameter in the member. Any ETS specification will be ignored. If DEST=(ETS) is specified, DEST=(AOO) will be assumed. If ETS is found anywhere in the DEST= keyword, the SVM0767I message is issued. This message is issued only once, regardless of the number of times the ETS value is found.

Migration Considerations for EasyHSM Users

In this release of the product, the EasyHSM component identifier, SVHSM, and has been removed from the SVALLOC component identifier. SVHSM is used to start and stop the EasyHSM component.

The allocation and deallocation of the MCDS, OCDS, and BCDS files has been moved to the SVHSM component startup process. Three new global parameters, MCDS, OCDS, and BCDS, have been added that allow you to specify the HSM CDS data sets to be defined and allocated during EasyHSM startup.

Migration Considerations for StorageGUARD Users

Historical Space Database

No conversion is necessary to upgrade from release 4.1 and higher. But, if you want to use a different set of databases, you can use the Copy/Merge utility. See the *MAINVIEW SRM StorageGUARD User Guide and Reference*.

Historical Performance Database

Upgrading from 4.1 Use the SGPCNVD1 conversion utility member in *?prefix.BBSAMP* to convert the historical performance database to the 5.1 format. Follow the steps described. Then follow the steps for upgrading from 5.1 to 6.1.

Upgrading from 5.1

In release 6.1 the historical performance database changed to a multiple file structure. Use the SPC51T61 conversion utility member in *?prefix.BBSAMP* to convert the 5.1 historical performance database file(s) to the 6.1 historical performance database structure. Follow the steps described.

Before you start the conversion, it is imperative to know that

- each LPARs historical performance database file(s) must be converted in a single conversion run
- historical performance database file(s) from *different* LPARs cannot be intermixed
- the historical performance database file structure must be newly allocated/initialized on an LPAR prior to a conversion run

StorageGUARD Automation Facility (SGAF)

As was noted in the earlier release of StorageGUARD, SGAF is no longer supported. You should remove the following global parameters from your SMMSYSxx member:

```
SG_EXITVOL  
SG_EXITPOOL  
SG_EXITACCT  
SG_PROCVOL  
SG_PROCPPOOL
```

Migration Considerations for SG-Control Users

In this release of the product, the SG-Control database data set name is specified in a new global parameter, SGCDSN, rather than in the SGCDB DD statement of the SVOS started task JCL in release 5.1. Be sure to add the SGCDSN global parameter to the SMMSYSxx member.

No conversion is required to migrate *from* releases 4.1 or 5.1 *to* release 6.1.

Application records, known as **account** records in previous releases, are automatically converted to the release 6.1 format the first time they are updated. Release 3.1 is *not* supported.

Tip: To enable the use of an SG-Control database for release 3.1, the database must first be converted to a compatible format. If you are using release 3.1 and want to upgrade to release 6.1, you will need to use the SGCMAINT initialization utility.

SGCMAINT is described in the *MAINVIEW SRM SG-Control User Guide and Reference*, “Initializing and Updating the Database.” To create a new database using SGCMAINT, use the “INIT FILE(UPDATE) FROMDB(<old-data-base-name>)” format as documented. Follow the instructions for initializing a database, filling in parameters as necessary. Any parameters not specified will be carried over from the old database.

An application record should not be used by a *prior* release once it has been migrated to the release 6.1 format. If you want to delay altering programs and procedures that produce reports from data read directly from an SG-Control database, you can use the **SGCDBCNV** SG-Control Conversion Utility. The output of the conversion process is a sequential file to be used in batch reporting and is unsuitable for collection.

SGCDBCNV copies an SG-Control 6.1 database and converts the records back to 5.1 format during the copy. You may then execute the procedures and programs against the copy of the database to produce reports.

A copy database created by SGCDBCNV should be used only for purposes of reporting, and it should *not* be updated by SG-Control. Also SGCDBCNV should *not* be used to make a back-up copy of a database.

A sample of the SGCDBCNV utility is provided in *?prefix.BBSAMP*. Carefully follow the user instructions in the utility.

Migration Considerations for RESOLVE SRM Explorer Users

The graphical interface for MAINVIEW SRM is MAINVIEW Explorer. Refer to the *MAINVIEW Explorer Implementation and User Guide* for more information.

MAINVIEW SRM is also capable of connecting to PATROL SRM to pass StorageGUARD data to the PATROL Storage DataStore. Refer to the *PATROL Application-Centric Storage Management Solutions Getting Started Guide* for connectivity information.

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Glossary

This glossary defines BMC Software terminology. Other dictionaries and glossaries may be used in conjunction with this glossary.

Since this glossary pertains to BMC Software-related products, some of the terms defined may not appear in this book.

To help you find the information you need, this glossary uses the following cross-references:

Contrast with indicates a term that has a contrary or contradictory meaning.

See indicates an entry that is a synonym or contains expanded information.

See also indicates an entry that contains related information.

action	Defined operation, such as modifying a MAINVIEW window, that is performed in response to a command. <i>See</i> object.
active window	Any MAINVIEW window in which data can be refreshed. <i>See</i> alternate window, current window, window.
administrative view	Display from which a product's management tasks are performed, such as the DSLIST view for managing historical data sets. <i>See</i> view.
ALT WIN field	Input field that allows you to specify the window identifier for an alternate window where the results of a hyperlink are displayed. <i>See</i> alternate window.
Alternate Access	<i>See</i> MAINVIEW Alternate Access.
alternate form	View requested through the FORM command that changes the format of a previously displayed view to show related information. <i>See also</i> form, query.

alternate window	(1) Window that is specifically selected to display the results of a hyperlink. (2) Window whose identifier is defined to the ALT WIN field. <i>Contrast with</i> current window. <i>See</i> active window, window, ALT WIN field.
analyzer	(1) Online display that presents a snapshot of status and activity data and indicates problem areas. (2) Component of CMF MONITOR. <i>See</i> CMF MONITOR Analyzer.
application	(1) Program that performs a specific set of tasks within a MAINVIEW product. (2) In MAINVIEW VistaPoint, combination of workloads to enable display of their transaction performance data in a single view.
application trace	<i>See</i> trace.
ASCH workload	Workload comprising Advanced Program-to-Program Communication (APPC) address spaces.
AutoCustomization	Online facility for customizing the installation of products. AutoCustomization provides an ISPF panel interface that both presents customization steps in sequence and provides current status information about the progress of the installation.
automatic screen update	Usage mode wherein the currently displayed screen is refreshed automatically with new data at an interval you specify. Invoked by the ASU command.
batch workload	Workload consisting of address spaces running batch jobs.
BBI	Basic architecture that distributes work between workstations and multiple OS/390 targets for BMC Software MAINVIEW products.
BBI-SS PAS	<i>See</i> BBI subsystem product address space.
BBI subsystem product address space (BBI-SS PAS)	OS/390 subsystem address space that manages communication between local and remote systems and that contains one or more of the following products: <ul style="list-style-type: none"> • MAINVIEW AutoOPERATOR • MAINVIEW for CICS • MAINVIEW for DB2 • MAINVIEW for DBCTL • MAINVIEW for IMS Online • MAINVIEW for MQSeries (formerly Command MQ for S/390) • MAINVIEW for VTAM • MAINVIEW VistaPoint (for CICS, DB2, DBCTL, and IMS workloads)
BBPARM	<i>See</i> parameter library.

BBPROC	<i>See</i> procedure library.
BBPROF	<i>See</i> profile library.
BBSAMP	<i>See</i> sample library.
BBV	<i>See</i> MAINVIEW Alternate Access.
BBXS	BMC Software Subsystem Services. Common set of service routines loaded into common storage and used by several BMC Software MAINVIEW products.
border	Visual indication of the boundaries of a window.
bottleneck analysis	Process of determining which resources have insufficient capacity to provide acceptable service levels and that therefore can cause performance problems.
CA-Disk	Data management system by Computer Associates that replaced the DMS product.
CAS	Coordinating address space. One of the address spaces used by the MAINVIEW windows environment architecture. The CAS supplies common services and enables communication between linked systems. Each OS/390 image requires a separate CAS. Cross-system communication is established through the CAS using VTAM and XCF communication links.
CFMON	<i>See</i> coupling facility monitoring.
chart	Display format for graphical data. <i>See also</i> graph.
CICSplex	User-defined set of one or more CICS systems that are controlled and managed as a single functional entity.
CMF MONITOR	Comprehensive Management Facility MONITOR. Product that measures and reports on all critical system resources, such as CPU, channel, and device usage; memory, paging, and swapping activity; and workload performance.
CMF MONITOR Analyzer	Batch component of CMF MONITOR that reads the SMF user and 70 series records created by the CMF MONITOR Extractor and/or the RMF Extractor and formats them into printed system performance reports.
CMF MONITOR Extractor	Component of CMF that collects performance statistics for CMF MONITOR Analyzer, CMF MONITOR Online, MAINVIEW for OS/390, and RMF postprocessor. <i>See</i> CMF MONITOR Analyzer, CMF MONITOR Online, MAINVIEW for OS/390.

CMF MONITOR Online

Component of CMF that uses the MAINVIEW window interface to present data on all address spaces, their use of various system resources, and the delays that each address space incurs while waiting for access to these resources. *See* CMF MONITOR, MAINVIEW for OS/390.

CMF Type 79 API

Application programming interface, provided by CMF, that provides access to MAINVIEW SMF-type 79 records.

CMFMON

Component of CMF MONITOR that simplifies online retrieval of information about system hardware and application performance and creates MAINVIEW SMF-type 79 records.

The CMFMON *online facility* can be used to view data in one or more formatted screens.

The CMFMON *write facility* can be used to write collected data as MAINVIEW SMF-type 79 records to an SMF or sequential data set.

CMRDETL

MAINVIEW for CICS data set that stores detail transaction records (type 6E) and abend records (type 6D). Detail records are logged for each successful transaction. Abend records are written when an abend occurs. Both records have the same format when stored on CMRDETL.

CMRSTAT

MAINVIEW for CICS data set that stores both CICS operational statistic records, at 5-minute intervals, and other records, at intervals defined by parameters specified during customization (using CMRSOPT).

column

Vertical component of a view or display, typically containing fields of the same type of information, that varies by the objects associated in each row.

collection interval

Length of time data is collected. *See also* delta mode, total mode.

command delimiter

Special character, usually a ; (semicolon), used to stack commands typed concurrently on the COMMAND line for sequential execution.

COMMAND line

Line in the control area of the display screen where primary commands can be typed. *Contrast with* line command column.

Command MQ Automation D/S

Command MQ agents, which provide local proactive monitoring for both MQSeries and MSMQ (Microsoft message queue manager). The Command MQ agents operate at the local node level where they continue to perform functions regardless of the availability of the MQM (message queue manager) network. Functionality includes automatic monitoring and restarts of channels, queue managers, queues and command servers. In cases where automated recovery is not possible, the agents transport critical alert information to a central console.

Command MQ Automation S/390

Command MQ component, which monitors the MQM (message queue manager) networks and intercedes to perform corrective actions when problems arise. Solutions include:

- Dead-Letter Queue management
- System Queue Archival
- Service Interval Performance solutions
- Channel Availability

These solutions help ensure immediate relief to some of the most pressing MQM operations and performance problems.

Command MQ for D/S

Command MQ for D/S utilizes a true client/server architecture and employs resident agents to provide configuration, administration, performance monitoring and operations management for the MQM (message queue manager) network.

Command MQ for S/390

See MAINVIEW for MQSeries.

COMMON STORAGE MONITOR

Component of MAINVIEW for OS/390 that monitors usage and reconfigures OS/390 common storage blocks.

composite workload Workload made up of a WLM workload or other workloads, which are called *constituent workloads*.

constituent workload

Member of a composite workload. Constituent workloads in a composite usually belong to a single workload class, but sometimes are mixed.

contention

Occurs when there are more requests for service than there are servers available.

context

In a Plex Manager view, field that contains the name of a target or group of targets specified with the CONTEXT command. *See* scope, service point, SSI context, target context.

CONTEXT command Specifies either a MAINVIEW product and a specific target for that product (*see* target context) or a MAINVIEW product and a name representing one or more targets (*see* SSI context) for that product.

control statement (1) Statement that interrupts a sequence of instructions and transfers control to another part of the program. (2) Statement that names samplers and other parameters that configure the MAINVIEW components to perform specified functions. (3) In CMF MONITOR, statement in a parameter library member used to identify a sampler in the extractor or a report in the analyzer, or to describe either component's processing requirements to the operating system.

coupling facility monitoring (CFMON)

Coupling facility views that monitor the activity of your system's coupling facilities.

CPO

Customized Product Offering. Delivery and installation technique that allows any combination of BMC Software SMP/E-maintainable products to be distributed on a product tape to a customer and installed quickly. The CPO product tape contains libraries required for product customization and execution, plus SMP distribution libraries and data sets needed for application of SMP maintenance.

current data

Data that reflects the system in its current state. The two types of current data are realtime data and interval data. *Contrast with* historical data. *See also* interval data, realtime data.

current window

In the MAINVIEW window environment, window where the main dialog with the application takes place. The current window is used as the default window destination for commands issued on the COMMAND line when no window number is specified. *Contrast with* alternate window. *See* active window, window.

DASD

Direct Access Storage Device. (1) A device with rotating recording surfaces that provides immediate access to stored data. (2) Any device that responds to a DASD program.

DASD ADVISOR

An interactive software tool that diagnoses DASD performance problems and makes recommendations to reduce overall service time. This tool measures and reports on the operational performance of IBM and IBM-compatible devices.

data collector

Program that belongs to a MAINVIEW product and that collects data from various sources and stores the data in records used by views. For example, MAINVIEW for OS/390 data collectors obtain data from OS/390 services, OS/390 control blocks, CMF MONITOR Extractor control blocks, and other sources. *Contrast with* extractor.

delta mode	(1) In MAINVIEW for DB2 analyzer displays, difference between the value sampled at the start of the current statistics interval and the value sampled by the current analyzer request. <i>See also</i> statistics interval. (2) In CMFMON, usage mode wherein certain columns of data reflect the difference in values between one sample cycle and the next. Invoked by the DELta ON command. <i>See also</i> collection interval, sample cycle, total mode.
DFSMS	(Data Facility Storage Management System) Data management, backup, and HSM software from IBM for OS/390 mainframes.
DMR	<i>See</i> MAINVIEW for DB2.
DMS	(Data Management System) <i>See</i> CA-Disk.
DMS2HSM	Component of MAINVIEW SRM that facilitates the conversion of CA-Disk, formerly known as DMS, to HSM.
DSO	Data Set Optimizer. CMF MONITOR Extractor component that uses CMF MONITOR Extractor data to produce reports specifying the optimal ordering of data sets on moveable head devices.
EasyHSM	Component of MAINVIEW SRM that provides online monitoring and reporting to help storage managers use DFHSM efficiently.
EasyPOOL	Component of MAINVIEW SRM that provides control over data set allocation and enforcement of allocation and naming standards. EasyPOOL functions operate at the operating system level to intercept normal job processing, thus providing services without any JCL changes.
EasySMS	Component of MAINVIEW SRM that provides tools that aid in the conversion to DFSMS and provides enhancement to the DFSMS environment after implementation. EasySMS consists of the EasyACS functions, the SMSACSTE function, and the Monitoring and Positioning Facility.
element	(1) Data component of a data collector record, shown in a view as a field. (2) Internal value of a field in a view, used in product functions.
element help	Online help for a field in a view. The preferred term is <i>field help</i> .
Enterprise Storage Automation	Component of MAINVIEW SRM that integrates powerful event management technology and storage monitoring technology to provide significant storage automation capabilities and solutions. Storage occurrences are defined to generate events in the form of messages that provide an early warning system for storage problems and are routed to MAINVIEW AutoOPERATOR to be viewed.

Event Collector	Component for MAINVIEW for IMS Online, MAINVIEW for IMS Offline, and MAINVIEW for DBCTL that collects data about events in the IMS environment. This data is required for Workload Monitor and optional for Workload Analyzer (except for the workload trace service). This data also is recorded as transaction records (X'FA') and program records (X'F9') on the IMS system log for later use by the MAINVIEW for IMS Offline components: Performance Reporter and Transaction Accountant.
expand	Predefined link from one display to a related display. <i>See also</i> hyperlink.
extractor	Program that collects data from various sources and keeps the data control blocks to be written as records. Extractors obtain data from services, control blocks, and other sources. <i>Contrast with</i> data collector.
extractor interval	<i>See</i> collection interval.
fast path	Predefined link between one screen and another. To use the fast path, place the cursor on a single value in a field and press Enter. The resulting screen displays more detailed information about the selected value. <i>See also</i> hyperlink.
field	Group of character positions within a screen or report used to type or display specific information.
field help	Online help describing the purpose or contents of a field on a screen. To display field help, place the cursor anywhere in a field and press PF1 (HELP). In some products, field help is accessible from the screen help that is displayed when you press PF1.
filter	Selection criteria used to limit the number of rows displayed in a view. Data that does not meet the selection criteria is not displayed. A filter is composed of an element, an operator, and an operand (a number or character string). Filters can be implemented in view customization, through the PARM/QPARM commands, or through the Where/QWhere commands. Filters are established against elements of data.
fixed field	Field that remains stationary at the left margin of a screen that is scrolled either right or left.
FOCAL POINT	MAINVIEW product that displays a summary of key performance indicators across systems, sites, and applications from a single terminal.
form	One of two constituent parts of a view; the other is query. A form defines how the data is presented; a query identifies the data required for the view. <i>See also</i> query, view.
full-screen mode	Display of a MAINVIEW product application or service on the entire screen. There is no window information line. <i>Contrast with</i> windows mode.

global command	Any MAINVIEW window interface command that can affect all windows in the window area of a MAINVIEW display.
graph	Graphical display of data that you select from a MAINVIEW window environment view. <i>See also</i> chart.
hilevel	For MAINVIEW products, high-level data set qualifier required by a site's naming conventions.
historical data	(1) Data that reflects the system as it existed at the end of a past recording interval or the duration of several intervals. (2) Any data stored in the historical database and retrieved using the TIME command. <i>Contrast with</i> current data, interval data and realtime data.
historical database	Collection of performance data written at the end of each installation-defined recording interval and containing up to 100 VSAM clusters. Data is extracted from the historical database with the TIME command. <i>See</i> historical data.
historical data set	In MAINVIEW products that display historical data, VSAM cluster file in which data is recorded at regular intervals.
HSM	(Hierarchical Storage Management) Automatic movement of files from hard disk to slower, less-expensive storage media. The typical hierarchy is from magnetic disk to optical disk to tape.
hyperlink	<p>(1) Preset field in a view or an EXPAND line on a display that permits you to</p> <ul style="list-style-type: none"> • Access cursor-sensitive help • Issue commands • Link to another view or display <p>The transfer can be either within a single product or to a related display/view in a different MAINVIEW product. Generally, hyperlinked fields are highlighted. (2) Cursor-activated short path from a topic or term in online help to related information. <i>See also</i> fast path.</p>
Image log	<p>Collection of screen-display records. Image logs may be created for both the BBI-SS PAS and the BBI terminal session (TS).</p> <p>The BBI-SS PAS Image log consists of two data sets that are used alternately: as one fills up, the other is used. Logging to the BBI-SS PAS Image log stops when both data sets are filled and the first data set is not processed by the archive program.</p> <p>The TS Image log is a single data set that wraps around when full.</p>

IMSPlex System Manager (IPSM)

MVIMS Online and MVDBC service that provides Single System Image views of resources and bottlenecks for applications across one or more IMS regions and systems.

interval data

Cumulative data collected during a collection interval. Intervals usually last from 15 to 30 minutes depending on how the recording interval is specified during product customization. *Contrast with* historical data.

Note: If change is made to the workloads, a new interval will be started.

See also current data and realtime data.

InTune

Product for improving application program performance. It monitors the program and provides information used to reduce bottlenecks and delays.

IRUF

IMS Resource Utilization File (IRUF). IRUFs can be either detailed (one event, one record) or summarized (more than one event, one record). A detailed IRUF is created by processing the IMS system log through a program called IMFLEEDIT. A summarized IRUF is created by processing one or more detailed IRUFs, one or more summarized IRUFs, or a combination of both, through a sort program and the TASCOSTR program.

job activity view

Report about address space consumption of resources. *See* view.

journal

Special-purpose data set that stores the chronological records of operator and system actions.

Journal log

Collection of messages. Journal logs are created for both the BBI-SS PAS and the BBI terminal session (TS).

The BBI-SS PAS Journal log consists of two data sets that are used alternately: as one fills up, the other is used. Logging to the BBI-SS PAS Journal log stops when both data sets are filled and the first data set is not being processed by the archive program.

The TS Journal log is a single data set that wraps around when full.

line command

Command that you type in the line command column in a view or display. Line commands initiate actions that apply to the data displayed in that particular row.

line command column

Command input column on the left side of a view or display. *Contrast with* COMMAND line.

Log Edit

In the MAINVIEW for IMS Offline program named IMFLEDIT, function that extracts transaction (X'FA') and program (X'F9') records from the IMS system log. IMFLEDIT also extracts certain records that were recorded on the system log by IMS. IMFLEDIT then formats the records into a file called the IMS Resource Utilization File (IRUF).

MAINVIEW

BMC Software integrated systems management architecture.

MAINVIEW Alarm Manager (MV ALARM)

In conjunction with other MAINVIEW products, notifies you when an exception occurs. MAINVIEW Alarm Manager is capable of monitoring multiple systems simultaneously, which means that MAINVIEW Alarm Manager installed on one system keeps track of your entire SYSPLEX. You can then display a single view that shows exceptions for all MAINVIEW performance monitors within your OS/390 enterprise.

MAINVIEW Alternate Access

Enables MAINVIEW products to be used without TSO by providing access through EXCP and VTAM interfaces.

MAINVIEW AutoOPERATOR

Product that uses tools, techniques, and facilities to automate routine operator tasks and provide online performance monitoring, and that achieves high availability through error minimization, improved productivity, and problem prediction and prevention.

MAINVIEW control area

In the MAINVIEW window environment, first three lines at the top of the view containing the window information line and the COMMAND, SCROLL, CURR WIN, and ALT WIN lines. The control area cannot be customized and is part of the information display. *Contrast with* MAINVIEW display area, MAINVIEW window area.

MAINVIEW Desktop Version of the MAINVIEW window interface designed to run on OS/2 and Windows workstations.

MAINVIEW display area

See MAINVIEW window area.

MAINVIEW Explorer Product that provides access to MAINVIEW products from a Web browser running under Windows. MAINVIEW Explorer replaces MAINVIEW Desktop.

MAINVIEW for CICS Product (formerly MV MANAGER for CICS) that provides realtime application performance analysis and monitoring for CICS system management.

MAINVIEW for DB2 Product (formerly MV MANAGER for DB2) that provides realtime and historical application performance analysis and monitoring for DB2 subsystem management.

MAINVIEW for DBCTL (MVDBC)

Product that provides realtime application performance analysis and monitoring for DBCTL management.

MAINVIEW for IMS (MVIMS) Offline

Product with a Performance Reporter component that organizes data and prints reports used to analyze IMS performance and a Transaction Accountant component that produces cost accounting and user charge-back records and reports.

MAINVIEW for IMS (MVIMS) Online

Product that provides realtime application performance analysis and monitoring for IMS management.

MAINVIEW for IP

Product that monitors OS/390 mission-critical application performance as it relates to IP stack usage. Collected data includes: connections, response time statistics, application availability, application throughput, and IP configuration.

MAINVIEW for MQSeries (formerly known as Command MQ for S/390)

Delivers comprehensive capabilities for configuration, administration, performance monitoring and operations management for an entire MQM (message queue manager) network.

MAINVIEW for OS/390

System management application (formerly MAINVIEW for MVS (prior to version 2.5)). Built upon the MAINVIEW window environment architecture, it uses the window interface to provide access to system performance data and other functions necessary in the overall management of an enterprise.

MAINVIEW for UNIX System Services

System management application that allows you to monitor the performance of the Unix System Services from a MAINVIEW window interface.

MAINVIEW for VTAM

Product that displays application performance data by application, transaction ID, and LU name. This collected data includes connections, response time statistics, application availability, and application throughput.

MAINVIEW Selection Menu

ISPF selection panel that provides access to all MAINVIEW windows-mode and full-screen mode products.

MAINVIEW Storage Resource Manager (SRM)

Suite of products that assist in all phases of OS/390 storage management. MAINVIEW SRM consists of components that perform automation, reporting, trend analysis, and error correction for storage management in OS/390.

MAINVIEW SYSPROG Services

See SYSPROG services.

MAINVIEW VistaPoint

Product that provides enterprise-wide views of performance. Application and workload views are available for CICS, DB2, DBCTL, IMS, and OS/390. Data is summarized at the level of detail needed; e.g., reports may be for a single target, an OS/390 image, or an entire enterprise.

MAINVIEW window area

Portion of the information display that is not the control area and in which views are displayed and windows opened. It includes all but the first three lines of the information display. *Contrast with* MAINVIEW control area.

monitor

Online service that measures resources or workloads at user-defined intervals and issues warnings when user-defined thresholds are exceeded.

MV MANAGER for CICS

See MAINVIEW for CICS.

MV MANAGER for DB2

See MAINVIEW for DB2.

MV MANAGER for MVS

See MAINVIEW for OS/390.

MVALARM

See MAINVIEW Alarm Manager.

MVCICS

See MAINVIEW for CICS.

MVDB2

See MAINVIEW for DB2.

MVDBC

See MAINVIEW for DBCTL.

MVIMS

See MAINVIEW for IMS.

MVMQ

See MAINVIEW for MQSeries.

MVMVS

See MAINVIEW for OS/390.

MVSRM

See MAINVIEW Storage Resource Manager (SRM).

MVSRMHSM	<i>See</i> EasyHSM.
MVSRMSGC	<i>See</i> SG-Control.
MVSRMSGD	<i>See</i> StorageGUARD.
MVSRMSGP	<i>See</i> StorageGUARD.
MVUSS	<i>See</i> MAINVIEW for UNIX System Services.
MVScope	MAINVIEW for OS/390 application that traces both CPU usage down to the CSECT level and I/O usage down to the channel program level.
MVVP	<i>See</i> MAINVIEW VistaPoint.
MVVTAM	<i>See</i> MAINVIEW for VTAM.
MVWEB	<i>See</i> MAINVIEW for WebSphere.
nested help	Multiple layers of help pop-up windows. Each successive layer is accessed by hyperlinking from the previous layer.
object	<p>Anything you can manipulate as a single unit. MAINVIEW objects can be any of the following: product, secondary window, view, row, column, or field.</p> <p>You can issue an action against an object by issuing a line command in the line command column to the left of the object. <i>See</i> action.</p>
OMVS workload	Workload consisting of OS/390 OpenEdition address spaces.
online help	Help information that is accessible online.
OS/390 and z/OS Installer	BMC Software common installation system for mainframe products.
OS/390 product address space (PAS)	Address space containing OS/390 data collectors, including the CMF MONITOR Extractor. Used by MAINVIEW for OS/390, MAINVIEW for USS, and CMF MONITOR products. <i>See</i> PAS.
parameter library	<p>Data set comprised of members containing parameters for specific MAINVIEW products or a support component. There can be several versions:</p> <ul style="list-style-type: none"> • The distributed parameter library, called BBPARM • A site-specific parameter library or libraries

These can be

- A library created by AutoCustomization, called UBBPARAM
- A library created manually, with a unique name

PAS Product address space. Used by the MAINVIEW products. Contains data collectors and other product functions. *See* OS/390 product address space (PAS), BBI subsystem product address space (BBI-SS PAS).

performance group workload

MVS/SP-defined collection of address spaces. *See* service class workload, workload definition.

PERFORMANCE MANAGER

MAINVIEW for CICS online service for monitoring and managing current performance of CICS regions.

Performance Reporter (MVIMS)

MVIMS Offline component that organizes data and prints reports that can be used to analyze IMS performance.

Performance Reporter

Product component that generates offline batch reports. The following products can generate these reports:

- MAINVIEW for DB2
- MAINVIEW for CICS

Plex Manager

Product through which cross-system communication, MAINVIEW security, and an SSI context are established and controlled. Plex Manager is shipped with MAINVIEW window environment products as part of the coordinating address space (CAS) and is accessible as a menu option from the MAINVIEW Selection Menu.

pop-up window

Window containing help information that, when active, overlays part of the window area. A pop-up panel is displayed when you issue the HELP command.

PRGP workload

In MVS/SP 5.0 or earlier, or in compatibility mode in MVS/SP 5.1 or later, composite of service classes. MAINVIEW for OS/390 creates a performance group workload for each performance group defined in the current IEAIPStt member.

procedure library

Data set comprised of members containing executable procedures used by MAINVIEW AutoOPERATOR. These procedures are execute command lists (EXECs) that automate site functions. There can be several versions:

- The distributed parameter library, called BBPROC

-
- A site-specific parameter library or libraries

These can be

-A library created by AutoCustomization, called UBBPROC

-A library created manually, with a unique name

The site-created EXECs can be either user-written or customized MAINVIEW AutoOPERATOR-supplied EXECs from BBPROC.

product address space

See PAS.

profile library

Data set comprised of members containing profile information and cycle refresh definitions for a terminal session connected to a BBI-SS PAS. Other members are dynamically created by MAINVIEW applications. There can be several versions:

- The distributed profile library, called BBPROF
- A site-specific profile library or libraries

These can be

-A library created by AutoCustomization, called SBBPROF

-A library created manually, with a unique name

The site library is a common profile shared by all site users. The terminal session CLIST creates a user profile automatically if one does not exist; it is called `userid.BBPROF`, where `userid` is your logon ID. User profile libraries allow each user to specify unique PF keys, CYCLE commands, target system defaults, a Primary Option Menu, and a unique set of application profiles.

query

One of two constituent parts of a view; the other is form. A query defines the data for a view; a form defines the display format. *See also* form, view.

realtime data

Performance data as it exists at the moment of inquiry. Realtime data is recorded during the smallest unit of time for data collection. *Contrast with* historical data. *See also* current data and interval data.

Resource Analyzer

Online realtime displays used to analyze IMS resources and determine which are affected by specific workload problems.

Resource Monitor

Online data collection services used to monitor IMS resources and issue warnings when defined utilization thresholds are exceeded.

row	(1) Horizontal component of a view or display comprising all the fields pertaining to a single device, address space, user, etc. (2) Horizontal component of a DB2 table consisting of a sequence of values, one for each column of the table.
RxD2	Product that provides access to DB2 from REXX. It provides tools to query the DB2 catalog, issue dynamic SQL, test DB2 applications, analyze EXPLAIN data, generate DDL or DB2 utility JCL, edit DB2 table spaces, perform security administration, and much more.
sample cycle	<p>Time between data samples.</p> <p>For the CMF MONITOR Extractor, this is the time specified in the extractor control statements (usually 1 to 5 seconds).</p> <p>For realtime data, the cycle is not fixed. Data is sampled each time you press Enter.</p>
sample library	<p>Data set comprised of members each of which contains one of the following:</p> <ul style="list-style-type: none"> • Sample JCL that can be edited to perform specific functions • A macro that is referenced in the assembly of user-written services • A sample user exit routine <p>There can be several versions:</p> <ul style="list-style-type: none"> • The distributed sample library, called BBSAMP • A site-specific sample library or libraries <p>These can be</p> <ul style="list-style-type: none"> -A library created by AutoCustomization, called UBBSAMP -A library created manually, with a unique name
sampler	Program that monitors a specific aspect of system performance. Includes utilization thresholds used by the Exception Monitor. The CMF MONITOR Extractor contains samplers.
SBBPROF	<i>See</i> profile library.
scope	Subset of an SSI context. The scope could be all the data for the context or a subset of data within the context. It is user- or site-defined. <i>See</i> SSI context, target.
screen definition	Configuration of one or more views that have been stored with the SAVEScr command and assigned a unique name. A screen includes the layout of the windows and the view, context, system, and product active in each window.

selection view	In MAINVIEW products, view displaying a list of available views.
service class workload	<p>OS/390- or MAINVIEW for OS/390-defined collection of address spaces.</p> <p>If you are running MVS Workload Manager (WLM) in goal mode, MAINVIEW for OS/390 creates a service class workload for each service class that you define through WLM definition dialogs.</p> <p>If you are running MVS 4.3 or earlier, or MVS/SP 5.1 or later with WLM in compatibility mode, OS/390 creates a performance group workload instead of a service class. <i>See</i> performance group workload.</p>
service objective	Workload performance goal, specified in terms of response time for TSO workloads or turnaround time for batch workloads. Performance group workloads can be measured by either objective. Composite workload service objectives consist of user-defined weighting factors assigned to each constituent workload. There are no OS/390-related measures of service for started task workloads.
service point	<p>Specification, to MAINVIEW, of the services required to enable a specific product. Services may be actions, selectors, or views. Each target (e.g., CICS, DB2, or IMS) has its own service point.</p> <p>The PLEX view lists all the defined service points known to the CAS to which the terminal session is connected.</p>
service request block (SRB)	Control block that represents a routine to be dispatched. SRB mode routines generally perform work for the operating system at a high priority. An SRB is similar to a task control block (TCB) in that it identifies a unit of work to the system. <i>See also</i> task control block.
service select code	Code entered to invoke analyzers, monitors, and general services. This code is also the name of the individual service.
session	Total period of time an address space has been active. A session begins when monitoring can be performed. If the product address space (PAS) starts after the job, the session starts with the PAS.
SG-Auto	Component of MAINVIEW SRM that provides early warning notification of storage anomalies and automated responses to those anomalies based on conditions in the storage subsystem.
SG-Control	Component of MAINVIEW SRM that provides real-time monitoring, budgeting, and control of DASD space utilization.

single system image (SSI)

Feature of the MAINVIEW window environment architecture that allows you to view and perform actions on multiple OS/390 systems as though they were a single system. The rows of a single tabular view can contain rows from different OS/390 images.

SRB *See* service request block.

SSI *See* single system image.

SSI context Name created to represent one or more targets for a given product. *See* context, target.

started task workload

Address spaces running jobs that were initiated programmatically.

statistics interval For MAINVIEW for DB2, cumulative count within a predefined interval (30-minute default set by the DB2STATS parameter in the distributed BBPARM member BBIISP00) for an analyzer service DELTA or RATE display. Specifying the DELTA parameter displays the current value as the difference between the value sampled by the current analyzer request and the value sampled at the start of the current interval. Specifying the RATE parameter displays the current value by minute (DELTA divided by the number of elapsed minutes).

StopX37/II Component of MAINVIEW SRM that provides enhancements to OS/390 space management, reducing the incidence of space-related processing problems. The StopX37/II functions operate at the system level to intercept abend conditions or standards violations, thus providing services without any JCL changes.

StorageGUARD Component of MAINVIEW SRM that monitors and reports on DASD consumption and provides historical views to help control current and future DASD usage.

summary view View created from a tabular view using the Summarize option in view customization. A summary view compresses several rows of data into a single row based on the summarize criteria.

SYSPROG services Component of MAINVIEW for OS/390. Over 100 services that detect, diagnose, and correct OS/390 system problems as they occur. Accessible from the OS/390 Performance and Control Main Menu. Note that this is also available as a stand-alone product MAINVIEW SYSPROG Services.

system resource *See* object.

target	Entity monitored by one or more MAINVIEW products, such as an OS/390 image, IMS or DB2 subsystem, CICS region, or related workloads across systems. <i>See</i> context, scope, SSI context.
target context	Single target/product combination. <i>See</i> context.
TASCOSTR	MAINVIEW for IMS Offline program that summarizes detail and summary IMS Resource Utilization Files (IRUFs) to be used as input to the offline components.
task control block (TCB)	Address space-specific control block that represents a unit of work that is dispatched in the address space in which it was created. <i>See also</i> service request block.
TCB	<i>See</i> task control block.
terminal session (TS)	Single point of control for MAINVIEW products, allowing data manipulation and data display and providing other terminal user services for MAINVIEW products. The terminal session runs in a user address space (either a TSO address space or a standalone address space for EXCP/VTAM access).
TDIR	<i>See</i> trace log directory.
threshold	Specified value used to determine whether the data in a field meets specific criteria.
TLDS	<i>See</i> trace log data set.
total mode	Usage mode in CMFMON wherein certain columns of data reflect the cumulative value between collection intervals. Invoked by the DELta OFF command. <i>See also</i> collection interval, delta mode.
trace	(1) Record of a series of events chronologically listed as they occur. (2) Online data collection and display services that track transaction activity through DB2, IMS, or CICS.
trace log data set (TLDS)	Single or multiple external VSAM data sets containing summary or detail trace data for later viewing or printing. The trace log(s) can be defined as needed or dynamically allocated by the BBI-SS PAS. Each trace request is assigned its own trace log data set(s).
trace log directory (TDIR)	VSAM linear data set containing one entry for each trace log data set. Each entry indicates the date and time of data set creation, the current status of the data set, the trace target, and other related information.

transaction	Specific set of input data that initiates a predefined process or job.
Transaction Accountant	MVIMS Offline component that produces cost accounting and user charge-back records and reports.
TS	<i>See</i> terminal session.
TSO workload	Workload that consists of address spaces running TSO sessions.
UAS	<i>See</i> user address space.
UBBPARM	<i>See</i> parameter library.
UBBPROC	<i>See</i> procedure library.
UBBSAMP	<i>See</i> sample library.
user address space	Runs a MAINVIEW terminal session (TS) in TSO, VTAM, or EXCP mode.
User BBPROF	<i>See</i> profile library.
view	Formatted data within a MAINVIEW window, acquired from a product as a result of a view command or action. A view consists of two parts: query and form. <i>See also</i> form, job activity view, query.
view definition	Meaning of data that appears online, including source of data, selection criteria for data field inclusion and placement, data format, summarization, context, product, view name, hyperlink fields, and threshold conditions.
view command	Name of a view that you type on the COMMAND line to display that view.
view command stack	Internal stack of up to 10 queries. For each command, the stack contains the filter parameters, sort order, context, product, and timeframe that accompany the view.
view help	Online help describing the purpose of a view. To display view help, place the cursor on the view name on the window information line and press PF1 (HELP).
window	Area of the MAINVIEW screen in which views and resources are presented. A window has visible boundaries and can be smaller than or equal in size to the MAINVIEW window area. <i>See</i> active window, alternate window, current window, MAINVIEW window area.

window information line

Top border of a window. Shows the window identifier, the name of the view displayed in the window, the system, the scope, the product reflected by the window, and the timeframe for which the data in the window is relevant. *See also* window status field.

window number

Sequential number assigned by MAINVIEW to each window when it is opened. The window number is the second character in the window status field. *See also* window status field.

window status

One-character letter in the window status field that indicates when a window is ready to receive commands, is busy processing commands, is not to be updated, or contains no data. It also indicates when an error has occurred in a window. The window status is the first character in the window status field. *See also* window information line, window status field.

window status field

Field on the window information line that shows the current status and assigned number of the window. *See also* window number, window status.

windows mode

Display of one or more MAINVIEW product views on a screen that can be divided into a maximum of 20 windows. A window information line defines the top border of each window. *Contrast with* full-screen mode.

WLM workload

In goal mode in MVS/SP 5.1 and later, a composite of service classes. MAINVIEW for OS/390 creates a workload for each WLM workload defined in the active service policy.

workflow

Measure of system activity that indicates how efficiently system resources are serving the jobs in a workload.

workload

(1) Systematic grouping of units of work (e.g., address spaces, CICS transactions, IMS transactions) according to classification criteria established by a system administrator. (2) In OS/390, group of service classes within a service definition.

workload activity view

Tracks workload activity as the workload accesses system resources. A workload activity view measures workload activity in terms of resource consumption and how well the workload activity meets its service objectives.

Workload Analyzer

Online data collection and display services used to analyze IMS workloads and determine problem causes.

workload definition

Workload created through the WKLIST view. Contains a unique name, a description, an initial status, a current status, and selection criteria by which address spaces are selected for inclusion in the workload. *See* Workload Definition Facility.

Workload Definition Facility

In MAINVIEW for OS/390, WKLIST view and its associated dialogs through which workloads are defined and service objectives set.

workload delay view Tracks workload performance as the workload accesses system resources. A workload delay view measures any delay a workload experiences as it contends for those resources.

Workload Monitor Online data collection services used to monitor IMS workloads and issue warnings when defined thresholds are exceeded.

workload objectives Performance goals for a workload, defined in WKLIST. Objectives may include measures of performance such as response times and batch turnaround times.



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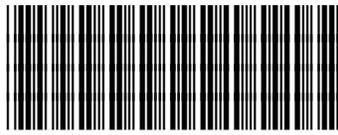
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