

# CA Spool™

## Release Notes

Release 11.7



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## CA Technologies Product References

This document references the following CA Technologies products:

- CA ACF2®
- CA Bundl®
- CA Deliver™
- CA Dispatch™
- CA Mainframe Software Manager (CA MSM)
- CA Top Secret®
- CA View®

## Contact CA Technologies

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- Online and telephone contact information for technical assistance and customer services
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# Chapter 1: New Features

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This section contains the following topics:

[CA Mainframe Software Manager](#) (see page 7)

[CA OPS/MVS System State Manager](#) (see page 7)

## CA Mainframe Software Manager

CA MSM is an application that simplifies and unifies the management of CA Technologies mainframe products on z/OS systems.

CA MSM provides services that make it easier for you to do the following:

- Acquire, install, deploy, and configure products
- Automatically obtain and apply maintenance

These services enable you to easily manage your software based on industry accepted best practices. A web-based interface makes the look and feel of the environment friendly and familiar, enabling you to install and maintain your products faster and with less chance of error.

You can acquire CA MSM from the CA Support website.

**Note:** For more information, see your product's installation instructions and the CA Mainframe Software Manager online help.

## CA OPS/MVS System State Manager

Your product can automatically communicate active status events and heart beat events to CA OPS/MVS EMA. The communication is established through a generic active status or heartbeat event API call that CA OPS/MVS EMA provides. With this feature, other products can communicate events consistently to CA OPS/MVS EMA.



# Chapter 2: Enhancements to Existing Features

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This section contains the following topics:

[CA MSM](#) (see page 9)

[Environment](#) (see page 9)

[Installation](#) (see page 11)

[Configuration](#) (see page 13)

[Documentation](#) (see page 15)

[Parameter and Setting Changes](#) (see page 17)

[Changes to Data Set Names](#) (see page 22)

## CA MSM

The Software Configuration Service (SCS) has been added for CA MSM Version 4.0. Use this service to configure CA Technologies mainframe products from the software inventory of the driving system to your target enterprise systems.

The SCS guides you through the configuration creation process, and through the manual steps to implement the configuration. The SCS also includes an address space communications service running on each targeted z/OS system.

**Note:** For more information, see the *CA Mainframe Software Manager User Guide*.

## Environment

This section discusses the current operating systems supported, scalability, and the security interfaces.

## Supported Operating Systems

z/OS 1.10 or higher.

## Scalability, Availability, and Prior Versions

CA Spool Release 11.7 has the same scalability as the previous versions.

Availability is 24x7, except for periodic maintenance which can vary in frequency for each customer.

## Backward Compatibility

CA Spool Release 11.7 can read prior version report data found on disk and tape.

**Important!** CA Spool Release 11.7 encryption does not provide backward compatibility to allow previous releases to access encrypted data. Once you start to use encryption, you cannot read the encrypted disk or tape datasets in a prior release.

If you have CA Spool Release 11.7 encrypted reports and have to revert to any previous CA Spool release where reports were not encrypted, do the following:

1. Run the ESFSPTP utility with ENCRYPT=NO against the CA Spool Release 11.7 system to unload all reports.
2. Restart any previous CA Spool system with a COLD start.
3. Reload the ESFSPTP backup to any previous CA Spool system.

**Note:** If you have no CA Spool Release 11.7 encrypted reports and have to revert to any previous CA Spool release, restart the previous CA Spool release on the same spool configuration.

## Security and Privileges

Reports are secure after encryption. We are using AES encryption with 256-bit or 128-bit keys.

External security interface is provided to CA Top Secret, CA ACF2, and IBM RACF.

# Chapter 3: Installation

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For installation of CA Spool Release 11.7, see the *Installation Guide*.

This section contains the following topics:

[Installation Procedure](#) (see page 11)

## Installation Procedure

To install CA Spool Release 11.7, do the following as documented in the *Installation Guide*:

1. Prepare for the installation by confirming that your site meets all installation requirements.
2. Acquire the product using one of the following methods:
  - CA MSM  
**Note:** If you do not have CA MSM, you can download it from the Download Center at CA Support Online. Follow the installation instructions in the CA Mainframe Software Manager Product Guide, available on the Documentation page of <https://support.ca.com/>.
  - PAX-Enhanced ESD
  - Tape
  - DVD
3. Install your product based on your acquisition method.
4. Apply maintenance, if applicable.
5. Configure the minimum settings to start your product.
6. Start your product.



# Chapter 4: Configuration

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This section provides information about the new initialization parameters and how to configure CA Spool Release 11.7 for encryption.

This section contains the following topics:

[Initialization Parameters and Options](#) (see page 13)

## Initialization Parameters and Options

The following parameters are added to CA Spool.

### New LOADEXIT parameter statement

LOADEXIT

#### Syntax

```
LOADEXIT UEX000=esfu000,  
         UEX003=esfu003,  
         UEX006=esfu006,  
         UEX007=esfu007,  
         UEX008=esfu008,  
         UEX009=esfu009,  
         UEX010=esfu010,  
         UEX011=esfu011  
         UEX012=esfu012  
         UEXPRI0=esfprio  
         UEXMSG0=esfmsg0  
         UEXSEP=esfsepa0  
         UEXSEC4=esfsecu4  
         UEXSEC5=esfsecu5
```

#### LOADEXIT Parameters

This section defines the LOADEXIT parameters.

##### **UEX000=esfu000**

Defines the name of a user defined standalone exit that is called by ESFU000X.

**Default:** None.

##### **UEX003=esfu003**

Defines the name of a user defined standalone exit that is called by ESFU003X.

**Default:** None.

**UEX006=esfu006**

Defines the name of a user defined standalone exit that is called by ESFU006X.

**Default:** None.

**UEX007=esfu007**

Defines the name of a user defined standalone exit that is called by ESFU007X.

**Default:** None.

**UEX008=esfu008**

Defines the name of a user defined standalone exit that is called by ESFU008X.

**Default:** None.

**UEX009=esfu009**

Defines the name of a user defined standalone exit that is called by ESFU009X.

**Default:** None.

**UEX010=esfu010**

Defines the name of a user defined standalone exit that is called by ESFU010X.

**Default:** None.

**UEX011=esfu011**

Defines the name of a user defined standalone exit that is called by ESFU011X.

**Default:** None.

**UEX012=esfu012**

Defines the name of a user defined standalone exit that is called by ESFU012X.

**Default:** None.

**UEXPRIO=esfprio**

Defines the name of a user defined standalone exit that is called by ESFPRIOX.

**Default:** None.

**UEXMSG0=esfmsg0**

Defines the name of a user defined standalone exit that is called by ESFMSG0X.

**Default:** None.

**UEXSEP=esfsepa0**

Defines the name of a user defined standalone exit that is called by ESFSEPAX.

**Default:** None.

**UEXSEC4=esfsecu4**

Defines the name of a user defined standalone exit that is called by ESFSEC4X.

**Default:** None.

**UEXSEC5=esfsecu5**

Defines the name of a user defined standalone exit that is called by ESFSEC5X.

**Default:** None.

## Documentation

This section contains topics that are related to documentation enhancements.

### Installation Guide

The Installation Guide has been restructured and describes the following methods of installing your product:

- CA MSM
- Electronic Software Delivery (ESD)
- Tape
- DVD

### Best Practices Guide

The Best Practices Guide provides a brief introduction to CA Technologies Mainframe 2.0 strategy and functionality, and describes the best practices for installing and configuring CA Spool.

These best practices represent years of product experience, much of which is based on customer experience reported through interviews with development, technical support, and technical services. Therefore, many of these best practices are truly a collaborative effort stemming from customer feedback.

### Java Transformers Administration Guide

The documentation set now includes *Java Transformers Administration Guide*.

This guide provides installation and configuration information for CA Spool Java Transformers.

## CA HTML Bookshelf

This release contains the CA HTML bookshelf, which is an HTML help system that provides access to all deliverables in the product documentation set in both HTML and PDF. HTML provides robust online viewing and search capabilities, while PDF provides a print-friendly option.

The HTML bookshelf features include:

- A single help screen that displays all documentation for this release.
- An all-in-one search tool that searches the entire documentation set and returns matches found in both the HTML and PDF formatted documentation, without the need for a specialized .PDX index file.
- Additional links for using the bookshelf, downloading Acrobat Reader, and contacting CA Technologies.

**Note:** You must have Adobe Reader 8 or above to view the PDF files in the bookshelf.

## Search the Bookshelf

The bookshelf includes a search facility that helps you locate information throughout the set.

### To search the bookshelf

1. Enter your search criteria in the Search field in the upper right corner of the bookshelf and press Enter.

The search returns HTML results listed by topic and PDF results listed by guide. The results are sorted by date so that the most recently updated topics or PDFs appear at the top of the list. To find a topic in a PDF, open the PDF and view the list of topics within the PDF that match the search criteria.

2. (Optional) Click Sort by Relevance.

The list is reordered so that the HTML topics or PDFs that contain the most matches appear at the top of the list.

# Chapter 5: Parameter and Setting Changes

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This section contains the following topics:

[Overview of the Changes to the CA Spool Guides](#) (see page 17)

[CA Spool AFP Transformers Administration Guide - Chapter 3](#) (see page 18)

[CA Spool Customization Guide Chapter 1 – Customization](#) (see page 18)

[CA Spool Customization Guide Chapter 2 – System Modifications](#) (see page 19)

[CA Spool Customization Guide Chapter 3 - Initialization](#) (see page 19)

[CA Spool Operations, Commands, Messages Guide](#) (see page 21)

## Overview of the Changes to the CA Spool Guides

This Release Notes document presents changes to CA Spool parameters and settings that are described in full in the following CA Spool Release 11.7 documents:

- The CA Spool AFP Transformers Guide has a change in Chapter 3.

The CA Spool Customization Guide has changes in the following chapters:

- Chapter 1
- Chapter 2
- Chapter 3

The CA Spool Operations, Commands, and Messages Guide has changes in the following chapters:

- Chapter 3
- Additional messages

The CA Spool Best Practices Guide is updated with the addition of Health Checker information.

The CA Spool System Guide has changes in the following chapters:

- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5

## CA Spool AFP Transformers Administration Guide - Chapter 3

The following sections describe changes that have been made for CA Spool Release 11.7 and are for the CA Spool AFP Transformers Administration Guide.

### Global Changes to JCL and Modules

In the AFP Transformers Administration Guide, note the following:

- IQB6 is changed to CBQ4
- CAIGEN is changed to CBQ4GEN

### SAS/C Runtime Library

Change the following text:

The SAS/C Runtime Library is distributed on the CA Spool installation tape. This software might already be installed at your site; if it is not, see your CA Spool documentation for installation information.

to

The SASC runtime library has been changed to CSARLOAD and is allocated and populated during the SMP/E install.

## CA Spool Customization Guide Chapter 1 – Customization

References to the following have been removed:

- PC Download support
- CMA Connection interface
- SASWTR replacement interface
- PSO (Process Sysout) interface
- VM/CMS menu interface
- Support under SDSF
- Natural Release 2.3.x

The following topics have been added:

- Data Encryption
- CA Spool Health Checker Interface

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## CA Spool Customization Guide Chapter 2 – System Modifications

Support for user exits that are not link-edited into the ESFMAIN module has been added.

References to ESFU001, ESFU002, ESFU004 and ESFU005 have been removed.

ESFSVC section has been moved to the Installation Guide.

## CA Spool Customization Guide Chapter 3 - Initialization

The following sections describe changes that have been made for Release 11.7 and MSM, and are for the CA Spool Customization Guide.

### Global Changes to JCL and Modules

In the Customization Guide, be aware of the following:

- IQB6 is changed to CBQ4
- CAIJCL is changed to CBQ4JCL
- CAIGEN is changed to CBQ4GEN
- SAS/C is changed to CSARLOAD

### DESTID

The following enhancement has been added:

- New DCC and FCC to set a default CC attribute or force a CC attribute if A or M on any file.

## NODE

The following enhancements have been added:

- New X2YY=cccccc parameter specifies that the transformation must be performed by the Transformer functional subsystem with the name ccccccc.
- New VFC6 for nodes using the SMTP driver to add an extra linefeed at the end of each page in a .txt attachment.
- New VFC7 for TCP/IP nodes to add new vertical form control sequence x'0D0A0C'. Line feed sequence X'0A' is used when VFC7 parameter is defined instead of default line feed sequence X'0D0A'.
- New VPSOPT=23 to allow all blank lines written to an LU3 Virtual printer to be written into the resulting Spool file.
- New TCPDRIV option g - Automatic include of existing FCB, Form and Chars PCLLIB resource members before the actual print file, and the RESET member after the print file. Commands are entered in EBCDIC. An asterisk or blank in column 1 indicates a comment line. A blank terminates the command string on each line. Data after the first blank is ignored. DEVICE statements are supported. PCL and Non PCL commands can exist in the same PCLLIB member.

## USEALIAS

The following USEALIAS option has been added:

- ALL—In addition to the actions that are taken for USEALIAS=YES, CA Spool also uses the alias name of the printer in the CA Spool subtype 11 and JES type 6 SMF records.

## XEQOPT

The following XEQ processing option has been added:

- 28 - allows CICS applications to write files with record lengths up to the size of the CA Spool BUFSIZE.
- 30 - sets the Irecl to the largest possible value that the BUFSIZE parameter permits when the PRMODE for incoming files is blank or equal to LINE. That value is equal to the BUFSIZE minus the fixed portion of each Spool buffer that is used by CA Spool to store information about its format and contents. This option takes precedence over XEQOPTs 9, 10, 13 and 14.

## XFEROPT

The following XFER processing option has been added:

- 22 - set OUTDISP=HOLD if XFEROPT=11 is also set.
- 23 - when the FORM name passed from JES to the SAPI interface is equal to the DEFFORM in the ESFPARM file, do not use that form name on the open request for the file. This allows either a DESTID or the NODE FORM parameter to provide the default FORM name. If no DESTID or NODE FORM is defined, the DEFFORM value is used.

## XFERSAPI

The default for XFERSAPI is YES.

## Removed content

The following statements and parameters have been removed:

- DEFSID
- The SVC parameter of the MODULES statement
- SASCLAS

## Added content

- LOADEXIT initialization statement to define the name of a user-defined standalone exit.
- X2YYDEF initialization statement to specify the characteristics of a X2YY functional subsystem (FSS).

## CA Spool Operations, Commands, Messages Guide

The following sections describe changes that have been made for Release 11.7 and MSM, and are for the CA Spool Operations, Commands, and Messages Guide.

## Global Changes to JCL and Modules

In the Operations, Commands, and Messages Guide, be aware of the following:

- IQB6 is changed to CBQ4
- CAIJCL is changed to CBQ4JCL

## Changes to Data Set Names

The names of the [data sets/libraries] have changed. We recommend that you review the following table to determine the impact this may have to your installation:

Original Name	New Name	Description
AIQCLS0	ABQ4CLS0	CLIST library
AIQGEN	ABQ4GEN	GENLIB library
AIQHFS	ABQ4HFS	HFS library
AIQJCL	ABQ4JCL	JCL library
AIQLOAD	ABQ4MOD	Load library
AIQMAC	ABQ4MAC	Macro library
AIQNATU	ABQ4NATU	Natural Menu library
AIQOPTN	ABQ4OPTN	Options library
AIQPARM	ABQ4PARM	Parameter library
AIQPNL0	ABQ4PNL0	ISPF Panel library
AIQPROC	ABQ4PROC	Procedure library
AIQSASC	ASARLOAD	Load library
AIQSRC	ABQ4SRC	Source library
AIQXML	ABQ4XML	CA MSM Deployment and Configuration Services
ALPLOAD	ACSRMOD	Load library
ALPMAC	ACSRMAC	Macro library
ALPPARM	ACSRPARM	Parameter library
ALPPROC	ACSRPROC	Procedure library
ALPSRC	ACRSRC	Source library
CAICLS0	CBQ4CLS0	CLIST library

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<b>Original Name</b>	<b>New Name</b>	<b>Description</b>
CAIGEN	CBQ4GEN	GENLIB library
CAIJCL	CBQ4JCL	JCL library
CAILIB	CBQ4LOAD	Load library
CAIMAC	CBQ4MAC	Macro library
CAINATU	CBQ4NATU	Natural Menu library
CAIOPTN	CBQ4OPTN	Options library
CAIPARM	CBQ4PARM	Parameter library
CAIPNLO	CBQ4PNLO	ISPF Panel library
CAIPROC	CBQ4PROC	Procedure library
CAISASC	CSARLOAD	SAS/C runtime library
CAISRC	CBQ4SRC	HFS directory
CAIXML	CBQ4XML	CA MSM Deployment and Configuration Services

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# Appendix A: Messages

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This section lists the new messages in Release 11.7.

**Note:** For information about each message, see the Message Reference Guide.

This section contains the following topics:

[ESF068](#) (see page 25)

## ESF068

**ESF068 USER EXIT aaaaaaa / nnnnnnnn LOAD < SUCCESSFUL / FAILED>**

**Reason:**

During initialization, a LOADEXIT parameter aaaaaaa was found. A load was attempted for user exit nnnnnnnn. The status of the attempted load is reported.

**Action:**

If the load failed, a module with the name nnnnnnnn was not found in the CA Spool STEPLIB or link-library list. Make the module available to the CA Spool task and restart.



# Appendix B: Known Issues

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## Published Fixes for Release 11.7

All published fixes are available at Published Solutions on CA Support.



# Appendix C: Third-party Acknowledgements

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For more information about handling third-party licenses, follow the TIS instructions at:

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