

CA SOLVE:FTS

Release Notes

r12



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CA Product References

This document references the following CA products:

- CA Mainframe Software Manager (CA MSM)

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Contact Technical Support

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- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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Chapter 1: New Features

This topic describes new features added to CA SOLVE:FTS.

This section contains the following topics:

[New Features in r12](#) (see page 7)

[New Features in r11.7](#) (see page 7)

[New Features in r11.6](#) (see page 8)

New Features in r12

This section describes the new features introduced with r12.

Mixed Case Password

Support is added for mixed case passwords. The following JCL parameter for the product region enables the support:

```
XOPT=PMIX
```

If you enable this support, consider the following important points:

- Do not share a UAMS database with a region that does not support mixed case passwords, and is not using a full or partial security exit.
- Ensure that all regions in a multisystem environment have this support enabled.

New Features in r11.7

This section describes the new features introduced with r11.7.

CA Mainframe Software Manager

You can use CA Mainframe Software Manager (CA MSM) to install CA SOLVE:FTS. CA MSM is an application that simplifies and unifies the management of CA mainframe products on z/OS systems. As products adopt the services provided by CA MSM, you can acquire, install, and maintain them in a common way.

CA MSM provides a Product Acquisition Service and Software Installation Services that make it easier for you to acquire and install products, and obtain and apply corrective and recommended maintenance. These services enable you to manage your software easily 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 using Electronic Software Delivery (ESD) from CA Support Online.

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

Electronic Software Delivery (ESD)

Electronic Software Delivery (ESD) has been enabled for this product. You can now download product and maintenance releases over the Internet directly to your system from the CA Support website. When you order the product, you receive the authorizations and instructions to access, download, and prepare the installation files without the need for a physical tape.

Health Checker

The CA Health Checker Common Service lets CA SOLVE:FTS integrate with IBM health checker, and checks for the following CA SOLVE:FTS conditions:

- Configuration option errors
- The features to activate to gain maximum benefit from the product
- The best settings to optimize the product's performance

Note: For more information, see the *Administration Guide*.

New Features in r11.6

This section describes the new features introduced with r11.6.

Internet Protocol Version 6

CA SOLVE:FTS is enhanced to support Internet Protocol Version 6 (IPv6):

- Inter-Network Management Connection (INMC) can use IPv6.
- New operands are added to OCS commands.
- New operands are added to NCL built-in functions.

SOCKETS Parameter Group

The SOCKETS parameter group has the following changes:

- The TCP/IP Software Type field has a new value, IBMV6, indicating IBM's Communications Server with IPv6.
- The Domain Name Resolutions fields let you change the values that affect domain name resolution.

IBM zIIP Support

If IBM System z Integrated Information Processors (zIIPs) are available, CA SOLVE:FTS can use them. You can elect to use zIIP processors when you set up your region by using the XM region JCL parameter.

Using zIIPs provides the following benefits:

- Reduction of execution time on the normal central processor, providing savings in billable CPU time
- Freeing up processing cycles from the central processor to other work
- Exploiting the processing power of zIIPs

Note: For information about the XM parameter, see the *Reference Guide*.

Persistent Global Variables

You can preserve selected global variables between restarts of the region. The facility ensures that stored Persistent Global Variables (PGVs) are automatically loaded when the region is started. You can also save PGVs using process macros or calls to the PGV procedure \$CAGLBL.

SHOWGLBL provides the means of displaying global variables, including persistent variables, with different levels of detail.

Note: For more information, see the *Network Control Language Reference Guide*, *Network Control Language Programmer Guide*, *Reference Guide*, and *Administration Guide*.

Chapter 2: Changes to Existing Features

This section contains the following topics:

[Changes to Existing Features in r12](#) (see page 11)

[Changes to Existing Features in r11.7](#) (see page 12)

[Changes to Existing Features in r11.6](#) (see page 16)

Changes to Existing Features in r12

This section describes the changes to existing features introduced with r12.

NETINFO

The reserved category numbers in NETINFO have changed from 1 through 11 to 1 through 31. If you have created any categories using category numbers 12 through 31 and want to keep them, migrate them to numbers above 31. The Install Utility helps you perform the migration during region setup.

CA MSM

This product is packaged to support the Software Deployment Service in CA MSM.

Data Set Names

The following data set names have changed to be compatible with other CA Mainframe products.

r11.7 Name	New Name
AC11OPTN	No longer required
AC17OPTN	AC17SAMP
AC2AOPTN	AC2ASAMP
AC2DLOAD	AC2DMOD
AC2DOPTN	AC2DSAMP
AC2DPLD	AC2DMODE
CC11OPTN	No longer required
CC17OPTN	CC17SAMP
CC2AOPTN	CC2ASAMP
CC2DOPTN	CC2DSAMP

Note: For more information, see the *Reference Guide*.

UTIL0028

The UTIL0028 utility is replaced by the NETMASTR program distributed in object code. The region started task executes this program, alias SOLVE, which reads parameters from the ddname, NMDRVCTL, for the RUNSYSIN member.

Changes to Messages

Messages have been added, deleted, or updated in this release. For a list of the affected messages, see the *Message Reference Guide*.

Changes to Existing Features in r11.7

This section describes the changes to existing features introduced with r11.7.

Install Utility

The Install Utility is now unloaded into the CAIJCL data set.

Note: For more information, see the *Installation Guide*.

Data Set Names

The data set names are now compatible with other CA Mainframe products.

Original Name	New Name
AS1EXEC	AC2DEXEC
AS1SAMP	AC2DOPTN
ASICON.S	CC2DVSMI
ASMODS.S	CC2DVSMI
ASOSCN.S	CC2DVSMI
ASPANL.S	CC2DVSMI
ASRAM.S	CC2DVSMI
ASSAMP	CC2DOPTN
ASTEXEC	CC2DEXEC
AU1EXEC	AC18EXEC
AUMODS.S	CC18VSMI
AUOSCN.S	CC18VSMI
AUPANL.S	CC18VSMI
AUTEXEC	CC18EXEC
DS1CLIB	ADEMCLS0
DS1EXEC	ADEMEXEC
DS1MLIOB	ADEMMSG0
DS1PLIB	ADEMPNL0
DSMODS	CDEMVSMI
DSOSCN	CDEMVSMI
DSPANL	CDEMVSMI
DSTCLIB	CDEMCLS0
DSTEXEC	CDEMEXEC

DSTMLIB	CDEMMSG0
DSTPLIB	CDEMPNL0
FT1EXEC	AC17EXEC
FT1LOAD	AC2DLOAD
FT1MACLB	AC17MAC
FT1SAMP	AC17OPTN
FTLOAD	CC2DLOAD
FTMACROS	CC17MAC
FTMODS.S	CC17VSMI
FTOSCN.S	CC17VSMI
FTPANL.S	CC17VSMI
FTSAMP	CC17OPTN
FTTEXEC	CC17EXEC
IP1EXEC	AC11EXEC
IP1LOAD	AC2DLOAD
IP1SAMP	AC11OPTN
IPLOAD	CC2DLOAD
IPMODS.S	CC11VSMI
IPOSCN.S	CC11VSMI
IPPANL.S	CC11VSMI
IPSAMP	CC11OPTN
IPTEXEC	CC11EXEC
ME1LOAD	AC2DPLD
MELOAD	CC2DPLD
MS1DCMLD	AC2DLOAD
MS1EXEC	AC2DEXEC
MS1LOAD	AC2DLOAD
MS1MACLB	AC2DMAC
MS1SAMP	AC2DOPTN
MSCMDLIB	CC2DLMD0
MSDCMLD	CC2DLOAD

MSLNKLST	CAILINK
MSLOAD	CC2DLOAD
MSLPLOAD	CAILPA
MSMACROS	CC2DMAC
MSMODS.S	CC2DVSMI
MSNET.S	CC2DVSMI
MSNVLOAD	CAILINK
MSOSCN.S	CC2DVSMI
MSPANL.S	CC2DVSMI
MSSAMP	CC2DOPTN
MSTEXEC	CC2DEXEC
SN1EXEC	AC2AEXEC
SN1LOAD	AC2DLOAD
SN1MACLB	AC2AMAC
SN1SAMP	AC2AOPTN
SNCNTL.S	CC2AVSMI
SNLOAD	CC2DLOAD
SNMACROS	CC2AMAC
SNMODS.S	CC2AVSMI
SNOSCN.S	CC2AVSMI
SNPANL.S	CC2AVSMI
SNSAMP	CC2AOPTN
SNTEXEC	CC2AEXEC
WHMODS.S	CC2DVSMI
WR1HFS1	AC2DHFSR
WRTHFS1	CC2DHFSR
WS1HFS1	AC2DHFSS
WSTHFS1	CC2DHFSS

Note: For more information, see the *Reference Guide*.

Function Modification Identifiers (FMID) Names

The FMID names are now compatible with other CA Mainframe products.

Component	Original Name	New Name
Automation Services	C2DnnAS	Merged into Management Services (CC2Dnn0)
File Transfer Services	C17nnFT	CC17nn0
FTS Services	DEMnnDS	CDEMnn0
Health Checker	New	CC2DnnH
Management Services	C2DnnMS	CC2Dnn0
PDSE Services	C2DnnME	CC2DnnE
ReportCenter	C2DnnWR	CC2DnnR
SNA Automation Services	C18nnAU	CC18nn0
SNA Services	C2AnnSN	CC2Ann0
TCP/IP Services	C11nnIP	CC11nn0
WebCenter SDK	C2DnnWS	CC2DnnS

Note: For more information see the *Installation Guide*.

Changes to Existing Features in r11.6

This section describes the changes to existing features in r11.6.

3270 Lists

In previous releases, the input fields to the left of the lists are not shown. In this release, those input fields are underlined as indicated in the following example:

```

PROD44----- UAMS : User Definition List -----
Command ==>                                     Scroll ==> CSR
                                           S/B=Browse F=Force U=Update D=Delete C=Copy
  User ID  User Name      Location      Phone Number  Type
  USER003 User 3         Sydney        12334         User
  USER004 User 4         Sydney        12323         User
  USER005 User 5         Sydney        11779         User
    
```

Commands

As part of the IPv6 enhancement, the syntax of a number of commands has changed.

More information:

[DOMAIN Command](#) (see page 17)

[TCPIP START Command](#) (see page 17)

DOMAIN Command

The DOMAIN command has the following new operand:

IPPROXY

(Optional) Specifies a proxy server through which a remote region is to be contacted. The operand is available when you use the TCP/IP access method (IP=YES).

```
DOMAIN ...  
    [IPPROXY=({ip_address|host_name},port_number)]
```

Note: For more information about the command, see the online command help.

TCPIP START Command

The TCPIP START command can start an IPv6 interface on IBM stacks.

Note: For more information about the command, see the online command help.

Timer Commands

Enhancement to time management enables timer commands to determine what to do when time changes, for example, because of daylight saving. If a time change causes a specified time to be skipped, you can specify whether the timed action be done immediately or skipped. If a time change causes a specified time to be repeated, you can specify whether the timed action be repeated or skipped.

The following commands are affected by this enhancement:

- AT
- AFTER (new)
- EVERY
- SYNCTIME (new)

Note: For more information about the commands, see the online command help.

NCL Built-in Functions

As part of the IPv6 enhancement, the following NCL built-in functions have changed:

- ZTCPSUPP has the following new operands:

IPV6

Determines whether the region's sockets interface supports IPv6 addresses and sockets in the AF_INET6 address family.

Note: A positive indication does not necessarily mean that an IPv6 interface has been started for the region.

SSL

Determines whether the region's sockets interface supports SSL.

Note: A positive indication does not necessarily mean that SSL is enabled in the region.

- TYPECHK has the following new type value:

IP6ADDR

Specifies that the character string be verified as an IPv6 address in IPv6 textual form.

Command Entry

The command stack is retained across invocations and supports up to 99 entries. You can type ? in the command field and press F6 to display the command stack.

Function key display is now controlled by the user profile, and the KEYS command is supported for controlling the display. You can define actions for the function keys F13 to F24 to enter commands.

A prompt list for the System field is now supported. You can enter ? for a list of linked systems.

Note: For more information, see the online help.

Initialization File

If you have an existing region initialization (INI) file from r11.5 or r11, you can migrate that file for use in this release. However, you must review and update the file to ensure that names such as ACBs, data sets, and interfaces are suitable for the new region.

Note: For information about how to migrate an initialization file, see the *Installation Guide*.

z/OS Symbols in NCL

This product contains new NCL procedures for reading and substituting z/OS symbols.

Note: For more information, see the *Network Control Language Reference Guide*.

Print Services Manager

Print Services Manager (PSM) now supports dynamic allocation of the output data set. You can email the message body as a text attachment.

Note: For more information, see the *Administration Guide*.

Install Utility

The following improvement has been made to the Install Utility to help you install and set up the product more easily.

- Ability for regions to share a PARMLIB data set, with region specific members suffixed by the domain ID of the region:
 - *IIAdomain_id* (replacing IIAPARMS)
 - *SXPdomain_id* (replacing SXPARMS)

Note: For more information, see the *Installation Guide*.

Changes to Messages

Messages have been added, deleted, or updated in this release. For a list of the affected messages, see the *Message Reference Guide*.

Chapter 3: Published Fixes

The complete list of published fixes for this product can be found through Published Solutions at the CA Support Download Center.

If you have CA MSM, use it to download the fixes.

Chapter 4: Documentation

This section contains the following topics:

[Delivery](#) (see page 23)

[Changes Introduced with r11.7](#) (see page 23)

[Changes Introduced with r11.6](#) (see page 24)

Delivery

The documentation is available through Documentation at Technical Support.

The documentation is delivered in PDF, and is also available in both HTML and PDF formats in a zip file.

You can download the zip file and extract the documentation onto your own server. After extraction, open the bookshelf to access the documentation.

Changes Introduced with r11.7

The *Best Practices Guide* has been added with this release.

Changes Introduced with r11.6

Some of the documentation has changes in structure and names. The following list shows the documentation in this release:

- *Release Notes* (formerly *Release Summary*)
- *Installation Guide* (formerly *Getting Started*)
- *Administration Guide* (formerly *Administrator Guide*)
- *User Guide*
- *Reference Guide*
- *Security Guide*
- *Network Control Language Programmer Guide*
- *Network Control Language Reference Guide*
- *Managed Object Development Services Programmer and Administrator Guide*
- *Message Reference Guide* (formerly *Messages Guide*)
- *Glossary*