Adabas System Coordinator

Adabas System Coordinator 8.2.2 Release Notes

Version 8.2.2

March 2013

Adabas System Coordinator

This document applies to Adabas System Coordinator Version 8.2.2.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Adabas System Coordinator 8.2.2 Release Notes

This document describes the changes and enhancements provided with Adabas System Coordinator Version 8.2.2

Adabas System Coordinator is the required interface for the following Adabas products:

- Adabas Fastpath Version 8.2
- Adabas Vista Version 8.2
- Adabas SAF Security Version 8.2
- Adabas Transaction Manager Version 8.2

Prerequisites
New Features
Enhancements
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Installation
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2 Prerequisites

See Adabas System Coordination Install documentation, section Prerequisites.

3 New Features

- XML Tool for EXPORT and IMPORT 6
- Alternate Console 6
- Security protection for online administration 7
- Unified Trace 7
- Support for Natural zIIP 8
- Daemon Support for the z/OS Resource Manager 8
- Continuous Operation 8

The following features are new for Version 8.2.2:

XML Tool for EXPORT and IMPORT

A new tool for exporting and importing XML is introduced. Configuration objects can be exported from one configuration file and imported to another. This tool covers configuration for all products that use System Coordinator such as Adabas Fastpath, Adabas Vista and Adabas Transaction Manager. See the section Tools for more information.

Alternate Console

Console messages may be issued by System Coordinator in client jobs, in databases and in daemons. Until now the console has been the only place where you can see them but now you can direct them to an alternate destination. You can accumulate messages as they have been in the past or you can now accumulate them in a file associated with individual client jobs or collect messages for all client jobs into a file in the Coordinator daemon.

- System Coordinator Client Message Alternates
- System Coordinator Database Message Alternates
- System Coordinator Daemon Message Alternates

System Coordinator Client Message Alternates

The new Adabas System Coordinator Runtime messages client runtime control allows client messages to be routed to:

- The console.

  This is compatible with previous releases.
- A local DDMSG file in the client job.

  The JCL for the job must be altered to accommodate this option.
- Both the console and a local DDMSG file.
- A DDMSG defined by the System Coordinator daemon.

  The daemon JCL must be altered.

System Coordinator Database Message Alternates

The new Adabas System Coordinator daemon group setting Runtime messages – databases allows messages to be routed to:

- The console.

  This is compatible with previous releases.
- A local DDMSG file in the database job.

  The JCL for the job must be altered to accommodate this option.
- Both the console and a local DDMSG file.

System Coordinator Daemon Message Alternates

The new Adabas System Coordinator daemon group setting Runtime messages – daemon allows messages to be routed to:

- The console.

  This is compatible with previous releases.
- A local DDMSG file in the daemon job.

  The JCL for the job must be altered to accommodate this option.
- Both the console and a local DDMSG file.

Security protection for online administration

Adabas SAF Security sites can now secure the use of System Coordinator online administration. For more information, refer to the Adabas SAF Security documentation.

Unified Trace

Adabas System Coordinator 8.2.2 provides a unified trace feature that allows consistent diagnosis of client, database and daemon jobs configured to use Adabas System Coordinator and any of its related products: Adabas Fastpath, Adabas Transaction Manager, Adabas Vista and Adabas SAF Security.

Support for Natural zIIP

Compliance for running in z/OS zIIP mode is introduced. This also requires use of the base Adabas maintenance ADA824.LX08 (or equivalent for other releases of Adabas).

Daemon Support for the z/OS Resource Manager

The System Coordinator daemon introduces support for the z/OS Resource Manager. This allows the daemon to shutdown correctly even when its normal termination routines are bypassed in extraordinary circumstances.

Continuous Operation

The System Coordinator daemon introduces support for continuous operation. This allows the daemon to tolerate failure by terminating and restarting the component(s) affected by the failure automatically.

4 Enhancements

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The following features have been enhanced for Version 8.2.2:

Daemon Network Node Number Included in Messages

Messages issued by Adabas System Coordinator daemon have been enhanced. They now include as a prefix the node (in the Adabas network) of the daemon. This enables messages from different daemons to be easily distinguished.

Online Fix Description

The fix display in SYSCOR has been enhanced to include a short description of each fix that is applied which helps you to get a better understanding of each fix that is in use.

Activity display for jobs

You can now display all System Coordinator activities for every job in the system whether running local, pulsing or daemon mode. This allows you to see exactly what is happening in each job in the system. All you have to do is configure the client runtime controls to make the activity details available to the System Coordinator group running in your system. Refer to the section Maintain Client Runtime Controls in the *Adabas System Coordinator Online Services* documentation for more information. For information about the activity displays, please refer to Adabas Client Activities.

Activity display for client sessions

You can now display all System Coordinator activities for every Adabas client session in the system whether running local, pulsing or daemon mode. This allows you to see exactly what is happening in each Adabas client session in the system. All you have to do is configure the client runtime controls to make the activity details available to the System Coordinator group running in your system. Refer to the section Maintain Client Runtime Controls in the *Adabas System Coordinator Online Services* documentation for more information. For information about the activity displays, please refer to Adabas Client Activities.

New memory management options, removing usage of user-key ECSA

System Coordinator offers new options for memory management. These options reduce the amount of memory consumed and also allow advanced crash-recovery capabilities for compliant TP systems such as CICS. They also remove the usage of user-key ECSA, which was a requirement for DTR client jobs in previous System Coordinator versions.

Additionally, there is no longer a need to define a System Coordinator group cache structure; this option has been removed from the online services Daemon Group Parameters maintenance.

Support for CICS threadsafe operation

At version 8.2 CICS threadsafe operation is the default. In threadsafe mode, all load modules required by System Coordinator and its sibling products must reside in the CICS RPLLIB, with appropriate definitions (or autoinstall). Also, the Debug Event Monitor and local DDMSG files are disabled when running in threadsafe mode. If you wish to use either of these facilities, set the "Threadsafe operation" runtime control to N and then set it back after you have finished.

Optional use of latency file

A System Coordinator group can be configured to use a latency file to contain "at rest" sessions.

Optional use of dataspaces

Adabas System Coordinator daemons and client jobs can be configured to use dataspaces for latent ("at rest") sessions or for current activity displays in addition to private or common memory.

Daemon COLD start option

If you have configured the daemon to use common memory, it will automatically recover that common memory when restarting. If you wish to discard the memory and start afresh, specify `START=COLD` in the daemon's `DDCARD` input file. This replaces the former Automatic pool recovery group configuration option.

Enhanced online services

The SYSCOR Natural application has been enhanced:

- Better handling of configuration modification. All configuration modification screens now allow PF5 to commit changes and if you make any changes without pressing PF5 you are prompted to commit them with PF5 or exit with PF3.
- The Display line command has been removed. Use Modify to view configuration objects. If you use SAF security to protect SYSCOR, you will need READ access to enter the modify screen and UPDATE access to commit modifications.
- PF6 (Top) and PF9 (Bot) have been removed. Their functionality is replaced by entering m on the command line and pressing PF7 or PF8 respectively.
- PF9 (More) is now used to access additional configuration screens for those objects such as runtime controls and daemon groups which have more than one configuration screen.
- PF11 (Prods) has been enhanced so that it automatically cycles around the available products.
- Current activity displays have been enhanced to make them easier to use; to provide more dynamic information; and to offer unified trace displays for client jobs, databases and daemons.
- A new current activity display option has been introduced to show Adabas activity across all jobs, by login id. For more information refer to Adabas Client Activities.

Enhanced support for BS2000 and UTM

Adabas System Coordinator's use of common memory pools has been revised to give greater flexibility and reliability:

- The daemon memory pool attributes are now defined for the individual daemon rather than the group. When you first logon to the SYSCOR Natural library and enter the main menu, the daemon definitions are automatically populated from their group.
- Each UTM service now has its own common memory pool. Specify the fixed address (the same fixed address must be used by the daemon and by all jobs in the same UTM service). Also specify the size if the fixed pool in the UTM service's runtime control. As a guide, the size should allow 100kb for each job in the service.

5 Discontinued Support

There are no features discontinued with this release.

6 Installation

Install Adabas System Coordinator before any Adabas add-on options are installed. Refer to the section Adabas System Coordinator Installation for more information.

The Adabas System Coordinator product supplied with Adabas is in demonstration mode. In this mode, the only components installed are those required to support the Adabas Fastpath AFPLOOK tool and the Adabas Vista AVILOOK tool. The full product is supplied when any add-on product is purchased, and Adabas System Coordinator switches automatically to full execution mode.

7 Required Maintenance

During the final certification stages of this release fixes are produced after the final freeze of the installation kit. Depending upon timing some or all of the available fixes may be supplied with the kit in an "all zaps" dataset. These fixes, and any others that also appear in SL24, should be applied during the installation process. The following fixes are currently known to be required:

Fixes Required For Adabas System Coordinator

```
none
```

8 Restrictions

Adabas client-based products are not compatible with the Adabas DBID/SVC routing feature. If you wish to use multiple SVCs in the same client job you should implement the COR versioning feature instead.

9 General Considerations

- Increased UQE usage from CICS 22

Increased UQE usage from CICS

There is an increase in the number of UQE in the database containing the System Coordinator configuration file for CICS jobs. These UQE are transient (during the existence of in-flight CICS tasks) so it is highly likely they are not noticed at all. However, where long-running CICS tasks (non-terminal background tasks usually) are running these transient UQE remain longer than usual so it may require an increase for the NU setting in the configuration file database.

10 Considerations for z/VSE

Login and stepname runtime control overrides are not supported.

11 Considerations for BS2000

None.