Adabas Vista

Adabas Vista Version 8.1.2 Release Notes

Version 8.1.2

June 2014

Adabas Vista

This document applies to Adabas Vista Version 8.1.2.

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

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Document ID: AVI-RELNOTES-812-20140626

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1 Adabas Vista Version 8.1.2 Release Notes

This document describes the changes and enhancements provided with Adabas Vista Version 8.1.2.

Prerequisites

New Features and New Terminology

Removed Features

Enhancements

Installation Changes

Required Maintenance

Conversion Requirements

Considerations for z/OS

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2 Prerequisites

See Adabas Vista Install documentation, section Prerequisites.

3 New Features / Terminology

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- File Translation Pages 6
- Generations and Deltas 7
- Support For Alternate Configuration File 7

This section provides an overview of new features and terminology for Adabas Vista Version 8.1.

Client Runtime Controls

Client Runtime Controls are the Version 8.1 replacement for Job Parameters. These controls define the behavior of all client sessions within a job. A job's default runtime controls are referred to as "base level controls". These base level controls can be subject to overrides at the following level:

- Job step name
- Transaction code
- Logon ID

This allows different client sessions within the same job to use different controls.

The following new runtime controls have been introduced at Version 8.1 (See Parameters for more information):

- Pages: Pages contain translation rules and influence the translation capabilities of Adabas Vista enabled jobs.
- Mask RSP148 on `OP` commands: Avoid `OP` command suppression

Vista Inactive Until Controls Are Defined

Adabas Vista can be installed in all client jobs, but will remain inactive until a Vista runtime control is defined for the job. This enables an installation to deploy Vista in advance of their actual use in a job. It also enables the use of a common library set between jobs that use Vista and those that do not.

File Translation Pages

File Translation Pages are the Version 8.1 replacement for client Profile IDs.

Each page can contain one or more translation rules. Any number of pages can be defined and any job which is configured for Adabas Vista can specify up to 8 of these pages in that particular job's runtime controls. At runtime, Vista will merge these pages into a single set of rules.

If you wish not to use multiple pages, defining a "mandatory page" will ensure all rules defined in that page will automatically be available for each job configured for Adabas Vista. Such a mandatory page is referred to as the *site page.

The new API function PAGE replaces the previous API function PROFID.

Generations and Deltas

Adabas Vista file definitions are managed online as generations. Translation and partition definitions are managed online as generations. You can keep old generations, and reintroduce them as you wish. You can activate only one generation. Generations are maintained by building up delta modifications to them and, when the delta is ready, applying the delta to the generation. This means you can use a delta modification to introduce multiple rule changes simultaneously rather than one at a time. You can construct as many as 254 delta modifications to a generation in parallel. In normal circumstances it is recommended to avoid changing the same rules in more than one delta at the same time, if you decide to do this you must make sure the order of application does not reintroduce a deleted rule from one delta when a subsequent one is activated, for example.

Please note that partitioned file definitions, which tend to be static in comparison to translation rules, are not currently subject to generations and generation deltas. Generation and delta support is planned for partitioned files. When it is introduced, you will select a generation and delta to work with, in the same way as translation rules.

Support For Alternate Configuration File

Adabas Vista allows you to use an alternate configuration file. This allows you to run your systems constantly while taking carefully scheduled (or unplanned) outage for one of your configuration files. Switchover to the alternate (and back) is dynamic and immediate on a session by session basis. For more details please refer to the Adabas System Coordinator documentation.

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- Source Name for Translation Rules 10
- Published/Draft 10
- API function PROFID 11
- Parameter Profile ID Validation 11

This section provides information regarding Adabas Vista features which have been removed with Version 8.1.

Job Profile Overrides

Job Profile Overrides have been replaced by File Translation Pages. Enabling jobs to use different translation targets can now be done simply by ensuring the appropriate page is included in the Runtime Controls for that job.

Parameter Source Profile ID

This parameter has been replaced with File Translation Pages. You can ensure a job runs with a particular set of translation rules by ensuring the appropriate page is included in the runtime controls for that job.

Source Name for Translation Rules

A source name can no longer be attributed to a translation rule as a means of identifying the source file.

Note: This means the API function TRTARG will no longer accept a source name as a means of identifying a source file - a source database and file number must now be specified.

Published/Draft

The Published/Draft mechanism to activate Adabas Vista partitioning and translation files has been replaced by the use of Generations and Generation deltas.

API function PROFID

The API function PROFID has been replaced with the new API function PAGE.

Parameter Profile ID Validation

This setting is no longer necessary and has been removed. The page-list is now automatically validated and missing/invalid pages are automatically ignored. Plus, the conversion (if upgrading) automatically creates valid page lists. In addition, you can now use the (new) PF9 facility when maintaining page-lists to check validity.

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This section provides an overview of the enhancements provided with Adabas Vista Version 8.1.

Adabas Vista Online Services

Adabas Vista Online Services (SYSAVI) has been enhanced to provide appropriate support for the new features provided with Version 8.1.

Runtime Control: Error Reporting

The default value for Error Reporting has been changed from Yes to No in order to avoid unnecessary writes to the job log and console.

Target Categories

The maximum number of Target Categories has been capped at 8. This enables easier online services navigation and maintenance of those translation rules defined to multiple target categories.

Read-ahead

Previous settings for read-ahead processing control are no longer necessary. This is now automated internally.

Updating the Partitioning Field

Prior to Version 8.1 it has only been possible to modify a record's partition criteria if it means the result does not cause the record to move partitions. With Adabas Vista Version 8.1 it is possible to allow a record to move from one partition to another. However, there are some special considerations. First, movement of such a record inevitably means the ISN will change, which is absolutely not a normal programming situation, requiring you to consider some application design issues. Second, in order to enable such a feature you need to activate a specific exit that defines how the record movement is to take place, for the named partitioned files – contact Software AG in order to proceed in this area. In addition, moving from one partition to another may require a distributed transaction which will only be safe if you use Adabas Transaction Manager.

Distributed Transaction Processing

Adabas Vista Version 8.1 now generates transaction directives (`END TRANSACTION`, etc) in accordance with standard distributed transactions making it compliant with the use of Adabas Transaction Manager.

ETID

Software AG strongly recommends that the use of ETID is consistent (identical) across all databases used for a client session.

CID Handling

Translation and partitioning features mean that CID commands may be re-directed to other databases/files which can cause inadvertent clashing of CIDs inside Adabas databases. Consequently the CID handling in Adabas Vista has now been strengthened to avoid this happening.

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This section provides an overview of the installation changes for Adabas Vista Version 8.1.

Using Natural Security

You will need to define the libraries SYSAVI and SYSMV81x to Natural Security.

New Configuration File Layout

The layout for partitioned and translation files has changed for Adabas Vista Version 8.1.

Adabas Vista Online Services (SYSAVI) Version 8.1 will detect if the currently defined configuration file has not already been converted, and will prompt you with the option of running the conversion process. The prompt will remind you to back up the configuration file before proceeding with the conversion.

Use of Unmodified ADALNK

As in previous releases, there is a requirement to use an unmodified ADALNK in certain areas. With Version 8.1 this has been reduced to unmodified ADALNK being needed to run standalone Adabas utility jobs only.

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 should be applied during the installation process. The following fixes are currently known to be required:

```
AV812001, AV812002, AV812003, AV812004
```

8 Conversion

Adabas Vista Version 8.1 requires a new configuration file, empty. When you first enter the online adminstration center you will be guided through the process to make the configuration file ready for purpose. This will include conversion from an existing Version 7.4 configuration file if you wish. This is done in conjunction with a general conversion for System Coordinator, which you will also be guided through.

9 Considerations for z/OS

No additional considerations are required.

10 Considerations for z/VSE

No additional considerations are required.

11 Considerations for BS2000

No additional considerations are required.