9 software AG

Adabas Vista

Adabas Vista Online Services

Version 8.1.2

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Adabas Vista



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1 Adabas Vista Online Services

This document describes the online administration tool Adabas Vista Online Services.

The following topics are provided:

- Using Adabas Vista Online Services
- System Settings
- Maintenance
- Session Monitoring
- Special Services
- Adabas Access Analysis (AVILOOK)

2 Using Adabas Vista Online Services

Online Services Main Menu	
Navigation	
Using PF Keys	
Help Information	

The Adabas Vista Online Services application is accessible from Adabas Online System (AOS), either the demo AOS version supplied with Adabas, or the full AOS version.

Online Services Main Menu

To invoke Adabas Vista Online Services

■ Either select Adabas Vista from the AOS main menu

Or:

log on to SYSAVI and enter the command MENU.

The Main Menu screen appears:

```
09:29:50 ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                  2006-05-29
                        - Main Menu -
                                                                   V1MAINM1
                    Service
               Code
               ----
                      _____
               0
                      System Settings
                    Maintenance
               1
               2
                     Session Monitoring
               3
                     Special Services
                     Avilook
                     About Adabas Vista
                     Exit
        Code..: _
You can easily switch around the tools for Fastpath, Vista etc by use of the
PF Keys shown, or use the codes COR, AFP, AVI, AAF, ATM as commands - anytime.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
```

The following options are available:

Option	Description
System Settings	Maintain Adabas Vista configuration file setting.
Maintenance	Maintain Adabas Vista rules and client runtime controls.
Session Monitoring	Monitor the current session.
Special Services	Provide installation and applied ZAP information for the Adabas Vista components.
Avilook	File analysis tool.
About Adabas Vista	Display product information.

Navigation

You can access screens in two ways:

- sequentially by selecting a menu service and entering it in the Code field; or
- directly by typing a numerical command on the command line.

For example, entering the command 1.1 on the command line directly accesses the Maintain Generations screen within the Rule maintenance function without first accessing the Maintenance menu.

Function	Object	Command
System Settings	Menu	0
	LFILE 152 Maintenance	0.1
Maintenance	Menu	1
	Partitioned Files	1.1
	Translation Rules	1.2
	Client Runtime Controls	1.3
Session Monitoring	Menu	2
Special Services	Menu	3
	Local SYSAVI Services	3.1
AVILOOK	Menu	4
About Adabas Vista	Information	5

Using PF Keys

SYSAVI uses PF keys for various actions. Key functions are standard throughout the system, wherever possible. The PF keys that apply to each screen are indicated at the bottom of the screen.

The following keys apply throughout the system:

PF Key	Function	Description
PF1	Help	invoke the help specific to the current screen
PF3	Exit	quit and return to the previous screen

The following keys apply generally, depending on the type of action or function in use:

PF Key	Function	Description
PF4	Refr	from active screens, refresh the data
PF5	Upd.	from general maintenance screens, commit the update
PF7	Back	from list screens, return to the previous page
PF8	Next	from list screens, move to the next page
PF10	Add	from general maintenance screens, add an object
PF12	Menu	return immediately to the main menu

Help Information

To invoke Adabas Vista help information

Press PF1.

The help screen that appears applies to the current screen and may comprise several pages. From each help screen, you can access lower level options or return to previous, higher levels.

An example of a help screen follows:

```
**** A D A B A S VISTA SERVICES 8.1.2 **** 2006-05-29
10:54:00
             - Help for Maintain Generations - Page 1 of 1 V11100H1
This screen lists all defined generations.
You may define multiple generations of Adabas Vista rules which allows
you to implement different configurations in a controlled manner.
Adabas Vista at runtime always executes using the active generation.
  The following options are available:
1 ADD - PF10 Add a new generation
2 DISPLAY
            - 'D' = Display information about a generation
3 MODIFY - 'M' = Modify information about a generation
4 PURGE
           - 'P' = Purge a generation and all its rules
            - 'C' = Copy a generation and all its rules
5 COPY
6 ACTIVATE - 'A' = Activate a generation
7 EXPAND - 'E' = Work with the change deltas for a generation
 8 display gentab = Display generation record
 9 BROWSE - 'B' = Browse the base rules for a generation (readonly)
 Enter options 1 to 9 for Help about the individual functions, or,
 . '.' to End Help, '-' for Previous Pages
```

In the above example, you can navigate by entering

to move backwards and up a menu level1 - 9 to move down a level to the function selected

If the help screen comprises multiple pages, you can enter

to move to the next pageto move to a previous page until page 1, then back up a level

3 System Settings

System Settings Menu	10
Configuration File (LFILE 152) Maintenance	.11

This service is used to maintain the Adabas Vista configuration file.

System Settings Menu

To display the System Settings menu

■ Select service 0 from the main menu.

```
2006-05-29
11:10:19
          **** A D A B A S VISTA SERVICES 8.1.2 *****
                                                             V10000M1
                 - System Settings -
                Code
                       Service
                1
                       LFILE 152 Maintenance
                       Exit
                       -----
          Code..: _
 Command ==>
Enter-PF1---PF3---PF3---PF5---PF6---PF7---PF9---PF10--PF11--PF12
     Help Exit
                                                               Menu
```

From this menu, you can	Service	Cmd
customize the use of the configuration file (LFILE 152)	0	0.1

Configuration File (LFILE 152) Maintenance

To customize the use of LFILE 152

1 Select service 1 from System Settings menu or enter the command 0.1 on a command line.

The LFILE 152 Maintenance window appears.

In the Original LFILE field, the database and file number are displayed for the Adabas Vista configuration file that was allocated to LFILE 152 at the start of your current SYSAVI session.

These values were allocated to LFILE 152 using the static Natural parameter NTFILE ID=152,... or the dynamic Natural parameter LFILE=(152,...). For more information about specifying LFILE 152, see the installation instructions relevant to your operating system.

In the Current LFILE field, you can change the database and file number to access a different Adabas Vista configuration file.

2 Specify the new Adabas Vista configuration file database and file number, if necessary.

The LFILE 152 Maintenance window is displayed whenever an online services function is selected that accesses the Adabas Vista configuration file, making it possible for the user to access multiple configuration files from within a single Natural session.

3 Review the default settings.

You may choose to deactivate the LFILE 152 Maintenance window and thus the possibility of changing the Adabas Vista configuration file for just the current session or for all future sessions.

Regardless of the options you choose, you can always modify those choices by invoking the LFILE 152 Maintenance function from System Settings.

4 Maintenance

Maintenance Menu	. 14
File Partitioning	. 15
File Translation	25
Client Runtime Controls	. 52

This service is used to define and maintain the rules and client runtime controls that are required by Adabas Vista.

Maintenance Menu

To display the Maintenance menu

- Select service 1 from the main menu.
 - **Note:** The Current LFILE 152 Settings window may appear before the Maintenance menu. See the section **System Settings** for more information.

```
15:27:37
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                  2006-07-18
                           - Maintenance -
                                                                   V11000M1
                 Code Service
                        File Partitioning
                        File Translation
                        Client runtime controls
                        Exit
          Code..: _
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help
                 Exit
                                                                      Menu
```

From this menu, you can	Service	Cmd
Maintain partitioned files as described in the section File Partitioning.	1	1.1
Maintain file translation rules as described in the section File Translation.	2	1.2
Maintain client runtime controls as described in the section Client Runtime Controls.	3	1.3

File Partitioning



Note: 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. For more information on generations and deltas, please refer to **File Translation**.

- List Partitioned Files
- Add (Define) a Partitioned File
- Display a Partitioned File Definition
- Modify a Partitioned File Definition
- Purge a Partitioned File Definition
- Maintain Partitions

List Partitioned Files

To list the files that have been defined as partitioned

1 Select service 1 from the Maintenance menu or enter the command 1.1 on a command line.

```
**** A D A B A S VISTA SERVICES 8.1.2 *****
18:41:24
                                                                    2006-07-18
                      - Maintain Partitioned Files -
                                                                    V11P00M1
Reposition: Database: _____ File: _
        Database/File/Name
   <----> Source ----> Partitioning Field
         11 300 EMPL1
11 301 VEHCL2
11 302 EMPL3
11 303 VEHCL4
                                    LAST-NAME
                                   DATE-OF-MANUFACTURE
                                   AE A 20
                      VEHCL4
                                    AG U 4
Mark with (D)ispl,(M)od,(P)urge,(C)opy,(E)xpand
End of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit Refr
                                                           Add
                                                                       Menu
     Help
```

- Each partitioned file is uniquely identified by a database number, and file number. In Natural systems, database and file numbers are defined in the DDM. The name is an optional field which you can use to help identify the partitioned file. If you provide a name, it must be unique.
- 3 Partitioning field shows the Adabas short name, format and length of the field used to distribute the data into the separate partitions. You can assign a logical name to this field which is shown instead of the short name, format and length.
- 4 Enter one of the following options in the C column to select an entry:

d	display
m	modify
p	purge
С	copy
e	expand

Add (Define) a Partitioned File

To add a partitioned file

1 1. Press PF10 from the Maintain Partitioned Files screen to display the Add Partitioned File screen.

```
18:53:56 ***** A D A B A S VISTA SERVICES 8.1.2 ***** 2006-07-18
- Add Partitioned File - V11P10M1

Source ... Database: 11___ File: 1___ Name: TESTFL1_ (optional)

Partitioning Criteria .. Field Name .... AA (from Format ... A Adabas Length ... 8___ FDT)
Display as .... ______

Options .. Command Limit ..... 0_____ (0=no limit)
```

```
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit Add Opt+ Menu
```

- 2 Refer to section Parameters for detailed information about each input field.
- If PF10 is pressed with the cursor on one of the partitioned files shown on the list screen, source information is taken from that definition. If the cursor is elsewhere on the screen when PF10 is pressed, there is no associated definition that can be used. In either case, new data may be specified in all fields on the screen.
- 4 Enter the source database and file number. An optional name may be defined for the partitioned file to make it easier to identify.
- 5 Enter the Adabas field information for the Partitioning Field.

Refer to the parameter Partitioning Field for more information.

6 Specify a command limit, if required.

Press PF6 to modify the default settings.

Refer to section Parameters for detailed information about each input field.

- 7 Press PF5 to add the partitioned file definition.
- 8 If you need to make changes to the file definition just added, select it from the list by marking column C with an "m".
- 9 Define the physical partitions that will make up this file.

You have now defined the partitioned file, but you still need to define the physical partitions that will make up the file. You must define at least one physical partition to a partitioned file.

To define a partition

■ Select the partitioned file from the list by marking column C with an "e" to "expand" the file and press PF10 to "add" a new partition.

See the sections List Partitions and Add Partition for more information.

Display a Partitioned File Definition

To display a partitioned file definition

■ Select it from the list by marking column C with a "d".

```
***** A D A B A S VISTA SERVICES 8.1.2 ***** 2006-07-18
19:09:12
                     - Display Partitioned File -
                                                             V11P20M1
                          Last Modified: 2006-07-18 at 17:09:01 by UKSJU
                                 Added: 2006-07-18 at 17:09:01 by UKSJU
Source ... Database: 11 File: 300 Name: EMPL1
  Partitioning Criteria .. Field Name ..... AE (from
                              Format ... A
Length ... 20
                                             Adabas
                                                      FDT)
                         Display as ..... LAST-NAME
    Options .. Command Limit ..... 0
                                            (0=no limit)
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
    Help Exit
                                Opt+
                                                     Exp Menu
```

To display the list of defined partitions

Press PF10.

To display the additional options

Press PF6.

Modify a Partitioned File Definition

To modify a partitioned file definition

1 Select it from the list by marking column C with an "m".

```
19:10:26
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                2006-07-18
                       - Modify Partitioned File -
                                                                 V11P30M1
                            Last Modified: 2006-07-18 at 17:09:01 by UKSJU
                                   Added: 2006-07-18 at 17:09:01 by UKSJU
Source ... Database: 11
                        File: 300
                                      Name: EMPL1
  Partitioning Criteria .. Field Name ..... AE
                                               (from
                                Format ... A
                                                  Adabas
                                Length ... 20____
                                                          FDT)
                          Display as .... LAST-NAME_
    Options .. Command Limit ...... 0_____ (0=no limit)
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit
                            Upd Opt+
```

- 2 Make any necessary modifications.
- 3 Press PF6 to modify the additional options.
- 4 Press PF5 to confirm any modifications.
- 5 Press PF10 to list the defined partitions, which may then be modified, added to, or purged.

Purge a Partitioned File Definition

To purge a partitioned file definition

1 Select it from the list by marking column C with a "p".

2 Press PF5 to confirm the purge request.

Maintain Partitions

- List Partitions
- Add Partitions
- Display a Partition
- Modify a Partition
- Purge a Partition

List Partitions

To display the list of partitions defined to the partitioned file

Select the partitioned file from the list on the Maintain Partitioned Files screen by marking column C with an "e":

```
09:39:57
            **** A D A B A S
                             VISTA SERVICES 8.1.2 *****
                                                           2006-07-19
                       - Maintain Partitions -
                                                            V11P60M1
                                    Selection: Partition Database:
                                                          File: _
Source ... Database: 11
                        File: 302
                                   Name: EMPL3
                                                          Parts: 3
    Name Database File
                           Part ID ACSI
                                          Partitioning Field High Value
  PART0001 110 16
                               1
                                    FYND
                                          PART0002 110
                   26
                                2 FYND
                                          099999999999999999
   PART0003 11
                               3
                    260
                                    FYND
                                           Z999999999999999999
Mark with (D)isplay, (M)odify, (P)urge
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
               Exit Refr
     Help
```

2 Enter one of the following options in the C column to select an entry:

d	display
m	modify
p	purge

- Each partition is identified by a database and file number that is used by Adabas Vista to direct a command in order to satisfy a request for data.
- 4 The Partition ID (Part ID) uniquely identifies a partition and, together with the Adabas ISN, forms the Adabas Vista ISN.
- 5 The field ACSI contains the partition options: Access, Critical, Shared Partition, Adabas TOPISN. In the case of Adabas TOPISN, a value of D means that the default TOPISN for the

- partitioned file is in use for that partition. A value of U means that the default TOPISN has been overridden.
- The field Partitioning Field High Value is the highest value of the partitioning field that can reside in each partition.
- 7 Refer to section Parameters for detailed information about each input field.
- 8 You can use the selection fields to restrict the list to partitions on a given database, or database file

Add Partitions

To add a new partition

1 Press PF10 from the List Partitions screen to display the Add Partition screen.

```
09:43:09
            2006-07-19
                       - Add Partition -
                                                            V11P61M1
Source ... Database: 11 File: 302 Name: EMPL3
PARTITION Name: _____ Database: ____
                                           File:
           Access .... FULL Adabas TOPISN .... 16777215__
Critical .. YES Shared Partition .. NO_
      Partitioning Field High Value ( A 20 )
 ===>
                                                               <===
                                                               <===
 ===>
                                                               <===
Command ==>
Enter-PF1---PF3---PF3---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
    Help Exit
```

- 2 Enter the partition database and file number. You may specify an optional name for the partition to more easily identify it.
- Review the default options supplied and then specify the highest value of the partitioning field that will reside on this partition.

Refer to section Parameters for detailed information about each input field.

- 4 Press PF5 to add the partition and return to the partition list.
- To make changes to the partition just added, select the entry from the list by marking column C with an "m".

Display a Partition

To display a partition

■ Select it from the list by marking column C with a "d".

```
09:44:10
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                2006-07-19
                          - Display Partition -
                                                                 V11P62M1
                            Last Modified: 2006-07-19 at 09:38:55 by UKSJU
                                   Added: 2006-07-19 at 09:38:55 by UKSJU
Source ... Database: 11
                           File: 302
                                       Name: EMPL3
PARTITION Name: PART0001
                                            File: 16
                           Database: 110
                               Adabas TOPISN ..... 16777215
            Access .... FULL
            Critical .. YES
                              Shared Partition .. NO
      Partitioning Field High Value ( A 20 )
 <===
 ===>
                                                                    <===
 ===>
                                                                    <===
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help
                Exit
                                                                    Menu
```

Modify a Partition

To modify a partition

1 Select it from the list by marking column C with a "m":

```
**** A D A B A S VISTA SERVICES 8.1.2 *****
09:44:53
                                                             2006-07-19
                         - Modify Partition -
                                                               V11P63M1
                           Last Modified: 2006-07-19 at 09:38:55 by UKSJU
                                  Added: 2006-07-19 at 09:38:55 by UKSJU
Source ... Database: 11
                         File: 302 Name: EMPL3
PARTITION Name: PART0001 Database: 110___
                                         File: 16__
           Access .... FULL
                              Adabas TOPISN ..... 16777215___
           Critical .. YES
                              Shared Partition .. NO_
      Partitioning Field High Value ( A 20 )
 ===>
                                                                  <===
 ===>
                                                                  <===
                                                                  <===
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help
                Exit
                           Upd
                                                                  Menu
```

2 Press PF5 to confirm any modifications.

Purge a Partition

To purge a partition

1 Select it from the list by marking column C with a "p".

2 Press PF5 to confirm the purge request.

File Translation

A number of simple steps are needed to perform configuration changes and to make the changes available to Adabas Vista enabled jobs.

For example, the steps involved in making a Translation File configuration change are as follows:

- Select the File Translation maintenance option
- Select (Expand) the generation of rules for which you wish to make the change (Add new generation if appropriate)
- Select (Expand) the generation delta in which you wish to make the change (Add new generation delta if appropriate)
- Select (Expand) the page in which you wish to make the change (Add new page if appropriate)
- Make the configuration change required
- Apply the generation delta to the base generation.
- Activate the generation (only required if the generation is not the active one)

Refer to the following sections for more information about each of these steps.

- Generation Maintenance
- Generation Delta Maintenance
- File Translation Page Maintenance
- Translation Rule Maintenance

Site Policies for Target Categories

Generation Maintenance

- List Generations
- Add Generation
- Browse Generation Configuration
- Activate Generation
- Expand Generation for Generation Delta Maintenance
- Display/Modify Generation
- Purge Generation
- Copy Generation

List Generations

To list the available generations

1 Select service 1 from the Maintenance menu or enter the command 1.1 on a command line.

```
***** A D A B A S VISTA SERVICES 8.1.2 *****
11:35:14
                                                                  2006-05-29
                     - Maintain Generations -
                                                                  V11200M1
C Generation Created
                                 Activated
                                                      Status
   *STARTUP 2006-03-27 16:11:07 2006-03-27 16:11:07 Active
Mark with (B)rowse base generation, (A)ctivate, (E)xpand change deltas,
          (D)isplay, (M)odify, (P)urge, (C)opy
End of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12--
                 Exit Refr
                                                          Add
     Help
                                                                     Menu
```

2 Each generation is uniquely identified by an alphanumeric name of length 8 characters.

The date the generation was created and the date when the generation was last activated are shown on the list screen. A generation status is also shown. This may be Active, Inactive or Purge-deferred.

Adabas Vista runtime only executes against the Active generation.

3 Enter one of the following options in the C column to select an entry:

b	browse generation configuration
a	activate generation
e	expand generation for generation delta maintenance
d	display generation information
m	modify generation information
p	purge generation (and all rules)
С	copy generation (and all rules)



Note: The very first time you select the maintenance service from the main menu, Adabas Vista will determine if any generations are already defined. If so, these generation names will be inherited. If not, the generation name *STARTUP will be assigned to the initial generation created by the conversion of existing rules or by the initialization of a new configuration file.

Add Generation

To add a generation

1 Press PF10 from the Maintain Generations screen.

12:17:30 ***** A D A B A S VISTA SERVICES 8.1.2 ***** - Add Generation -	2006-05-29 V11210M1
Generation: CFG00001	
Description: CONFIGURATION CHANGE FOR ACCOUNTS DEPARTMENT - CHANGE NUMBER ACC/03	2/21A.

```
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit Add Menu
```

- 2 Define a generation name of your choice. An optional description may be given perhaps to describe the reason for the configuration change or to refer to your own internal change request identification.
- 3 Press PF5 to add the generation and return control to the maintenance list.

```
C Generation Created Activated Status

_ *STARTUP 2006-04-12 11:37:51 2006-04-12 11:37:51 Active

_ CFG00001 2006-04-12 12:23:15 Inactive
```

A new generation is always added with a status of Inactive.

After a new generation has been added, its configuration content will consist of:

- No Translation Rules
- Automatically inherited copy of the Target Categories defined to the currently Active generation
- No generation deltas

Browse Generation Configuration

To browse a generation's configuration

■ Select it from the list by marking column C with a "b".

```
_ PAGE0006
_ PAGE0007
_ PAGE0008

Mark with (D)isplay,(M)odify,(P)urge,(C)opy,(E)xpand
nd of List
Command ==>
nter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit Refr Add Site Menu
```

The translation rule pages are listed. These are the rules that are actually in effect at runtime, if this is the active generation. The pages and rules may only be browsed. See **Expand Generation Delta** for more information on how to navigate the page and rule maintenance screens.

Activate Generation

To activate a generation

1 Select it from the list by marking column C with an "a".

```
13:04:26 Activate Generation Configuration V11260M1

Activate Generation: CFG00001

WARNING
On confirmation of this activation request, any newly started job running with this configuration file will use the newly activated configuration.

Any existing Active generation will be set to Inactive

PF3 Exit PF5 Confirm
```

2 Press PF5 to confirm activation.

The currently active generation will become Inactive.

The newly activated generation becomes immediately available for use by all newly started jobs.

Expand Generation for Generation Delta Maintenance

- To expand a generation for generation delta maintenance
- Select it from the list by marking column C with an "e".

Refer to Generation Delta Maintenance.

Display/Modify Generation

To display/modify a generation

Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

12:36:22 ***** A D A B A S VISTA SERVICES 8.1.2 ***** - Modify Generation -	2006-04-12 V11230M1
Status: Inactive Last Modified: 2006-04-12 at 12:23:15 Created: 2006-04-12 at 12:23:15	-
Generation: CFG00001 Last Activated:	
Description: CONFIGURATION CHANGE FOR ACCOUNTS DEPARTMENT - CHANGE NUMBER ACC/03	/21A.
Command ==> Enter-PF1PF2PF3PF4PF5PF6PF7PF8PF9PF10PF Help Exit Upd	11PF12 Menu

2 Make any necessary modifications and press PF5 to confirm (modify only).

You may not modify the automatically created generation *STARTUP.

Purge Generation

To purge a generation

1 Select it from the list by marking column C with a "p".

```
13:26:31 Purge Generation Data V11240M1

Purge all data for Generation: CFG00001

Mark

_ Run Purge process now
_ Defer Purge process

PF3 Exit PF5 Confirm
```

- There are two options for purge generation; the first will perform an immediate purge, the second allows the purge to be deferred (generation status is set to 'purge deferred').
- 3 Press PF5 to confirm the purge request.

For generations with large numbers of Partitioned and Translation files, it may be preferable to use the purge deferred option to indicate the intention to purge and then to actually perform the purge at an appropriate time. This is due to the amount of configuration file activity necessary to purge large numbers of Partitioned and Translation files.

Once a generation is in 'purge deferred' status, the only way to recover maintainability to it is to perform a copy to a new generation name.

Copy Generation

To copy a generation

1 Select it from the list by marking column C with a "c".

```
13:50:10 Copy Generation Data V11250M1

Copy all data for Generation: CFG00001

to Generation: ______

PF3 Exit PF5 Confirm
```

- 2 Define a new generation name of your choice.
- 3 Press PF5 to confirm the copy request.
- 4 A new generation description may be provided by using the modify option.

The newly copied generation is always created with a status of Inactive.

After the copy, the configuration content of the newly created generation will consist of:

- A copy of any base generation Partitioned Files
- A copy of any base generation Translation Files
- A copy of any base generation Target Categories
- A copy of any generation deltas and their configuration changes

Generation Delta Maintenance

- Delta Locking
- List Generation Deltas
- Add Generation Delta
- Display/Modify Generation Delta
- Purge Generation Delta
- Copy Generation Delta
- Apply Generation Delta

Expand Generation Delta

Delta Locking

To prevent inconsistent modifications in a delta, Adabas Vista implements a delta locking mechanism based on the Natural *USER system variable. You may only make modifications in a delta, or apply or purge the delta if either:

- the delta is not currently locked, or
- the delta is locked by you. That is, the delta owner matches the current value of *USER.

If you attempt to apply, purge or make modifications in a delta locked by someone else, the following warning appears

| 17:31:21 Delta Lock Details 2008-05-22 |
| V1DELOM1 |
| Delta DELTA001 was locked by UKSJU at 17:27:58 on 2008-05-22 in job/transaction NAT42 with comment: PAYROLL CHANGE IN PROGRESS - CHANGE ACC/03/21A |
| You cannot make any modifications in this delta unless you reset the lock by marking: _ and pressing PF5. |
| Optional comment when resetting the lock: _ ______ |
| Warning: Do not reset the lock unless you are sure that the other party has failed to release it or is in full agreement that their ownership is to be transferred. |
| Otherwise, unpredictable results will occur. |
| PF3 Exit PF5 Reset

This screen shows information about who locked the delta and when. It also shows the comment entered by that user when they locked the delta. If necessary, you can take ownership of the delta by marking the indicated field, entering an optional comment and pressing PF5. This must only be done when the other party is known to have permanently given up their existing lock otherwise unpredictable results will occur.

For example:

```
17:33:11
                  Delta Lock Details
                                                2008-05-22
                                                V1DEL0M1
Delta DELTA001 was locked by UKSJU at 17:27:58 on
2008-05-22 in job/transaction NAT31 with comment:
PAYROLL CHANGE IN PROGRESS - CHANGE ACC/03/21A
You cannot make any modifications in this delta unless you
reset the lock by marking: X and pressing PF5.
Optional comment when resetting the lock:
TAKE OVER PAYROLL CHANGE ACC/03/21A__
Warning: Do not reset the lock unless you are sure that the
other party has failed to release it or is in full
agreement that their ownership is to be transferred.
Otherwise, unpredictable results will occur.
                 PF3 Exit PF5 Reset
```

You can now make the necessary changes in this delta.

When you exit maintenance the following screen appears:

```
| 17:43:16 | Delta Lock Details | 2008-05-22 | V1DELOM2 |
| Delta DELTA001 was locked by you at 17:39:42 on 2008-05-22 | in job/transaction NAT42 |
| Enter Y to retain the lock or N to release it: _ and press | PF5 to confirm. |
| If you retain the lock, only you can modify the delta. If | you release the lock, the delta is available for someone | else to make modifications in it. |
| Optional comment (when retaining the lock): | CONTINUE PAYROLL CHANGE ACC/03/21A | PF5 Confirm |
```

This screen allows you to choose between:

- retaining the lock, so that no-one else can apply, purge or make modifications in the delta without resetting the lock, as above
- releasing the lock, so that the delta is available for anyone else to apply, purge or modify

List Generation Deltas

To list the available generation deltas

1 Select it from the Generation Maintenance list by marking column C with an "e".

- 2 Each generation delta is uniquely identified by an alphanumeric name of length 8 characters.
- 3 Enter one of the following options in the C column to select an entry:

d	display generation delta
m	modify generation delta
p	purge generation delta (and all changes)
С	copy generation delta (and all changes)
a	apply generation delta to base generation
e	expand generation delta for rule maintenance

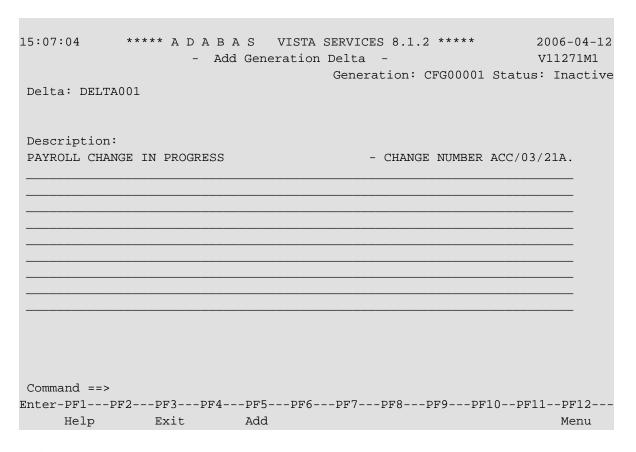


Note: The first time you "expand" a generation in order to list generation deltas, you will be directed to the Add Generation Delta screen. You can choose to add one or not. This automatic direction is only done once - all subsequent expansions of that generation will be directed to the generation delta list screen.

Add Generation Delta

To add a generation delta

1 Press PF10 from the Maintain Generation Deltas screen.



2 Define a generation delta name of your choice. An optional description may be given – perhaps to describe the reason for this particular change or to refer to your own internal change request identification. 3 Press PF5 to add the generation delta and return control to the maintenance list.

```
Generation: CFG00001 Status: Inactive
C Delta
_ DELTA001
```

Display/Modify Generation Delta

To display/modify a generation delta

Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

```
14:47:53
              ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                    2006-04-12
                     - Modify Generation Delta -
                                                                    V11273M1
                                         Generation: CFG00001 Status: Inactive
                             Last Modified: 2006-04-12 at 14:37:53 by UKGXN
Status: In use
                                   Created: 2006-04-12 at 14:37:53 by UKGXN
Delta: DELTA001
Description:
PAYROLL CHANGE IN PROGRESS
                                             - CHANGE NUMBER ACC/03/21A.
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit
```

2 Make any necessary modifications and press PF5 to confirm (modify only).

Purge Generation Delta

To purge a generation delta

1 Select it from the list by marking column C with a "p".

```
Purge Generation Delta V11274M1

Purge Delta DELTA001 of Generation: CFG00001

All modifications contained in this delta will also be purged.

If this is the last delta for this generation, any outstanding changes to target policy will be discarded too.

PF3 Exit PF5 Confirm
```

2 Press PF5 to confirm the purge request.

If you are purging the last generation delta for a particular generation then any changes made to Target Categories and their policies will be purged too.

Copy Generation Delta

To copy a generation delta

1 Select it from the list by marking column C with a "c".

```
14:58:09 Copy Generation Delta V11275M1

Copy from Delta DELTA001 of Generation: CFG000001
to Delta ______

All modifications contained in this delta will also be copied

PF3 Exit PF5 Confirm
```

- 2 Define a new generation delta name of your choice.
- 3 Press PF5 to confirm the copy request.
- 4 A new generation delta description may be provided by using the modify option.

Apply Generation Delta

To apply a generation delta to the base generation

1 Select it from the list by marking column C with an "a".

```
15:00:27 Apply Generation Delta V11276M1

Apply Delta DELTA001 to Generation: CFG00001

Mark _ to retain the Delta

PF3 Exit PF5 Confirm
```

2 Press PF5 to confirm application.

The configuration changes in this generation delta will be applied to the base generation. An option is available for the generation delta to be retained instead of deleted (the default).

Note: If the base generation to which this delta has been applied is the active generation, then these changes will become immediately available for all newly started jobs.

Adabas Vista Online Services

Expand Generation Delta

To expand a generation delta for rule maintenance

1 Select it from the list by marking column C with an "e".

```
***** A D A B A S VISTA SERVICES 8.1.2 *****
16:08:19
                                                                2006-04-12
                          - Maintain Pages -
                                                                 V11T00M1
                                     Generation: CFG00001 Status: Inactive
Reposition to page: _
                                                           Delta: DELTA001
C Page Name Description
  *site
_ PAGE0001
_ PAGE0002
_ PAGE0003
_ PAGE0004
 PAGE0005
 PAGE0006
_ PAGE0007
 PAGE0008
Mark with (D)isplay, (M)odify, (P)urge, (C)opy, (E)xpand
nd of List
Command ==>
nter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
    Help Exit Refr
                                                        Add Site Menu
```

This lists the available file translation pages.

Each file translation page is uniquely identified by an alphanumeric name of length 8 characters.

2 Enter one of the following options in the C column to select an entry:

d	display file translation page
m	modify file translation page
p	purge file translation page (and all rules within)
С	copy file translation page (and all rules within)
e	expand file translation page for rule maintenance



Note: The page list displays the pages defined to the base generation in addition to any new pages added to the current generation delta. Changes staged in the current generation delta are highlighted.

PF11 is used to access the **Site Policies for Target Categories** maintenance screen.

File Translation Page Maintenance

- Add File Translation Page
- Display/Modify File Translation Page
- Purge File Translation Page
- Copy File Translation Page
- Expand File Translation Page

Add File Translation Page

To add a file translation page

1 Press PF10 from the Maintain File Translation Pages screen.

2 Define a page name of your choice. An optional description may be given.

Any number of pages can be defined. In order to make translation file rules available to Adabas Vista enabled jobs, the client runtime controls for those jobs must specify the appropriate page name(s) within which are the required translation file rules to be effective for each job. For those translation file rules that are required for all Adabas Vista enabled jobs then a mandatory page can be defined. This page is called '*site' and is always checked at runtime.

If no *site page is defined the add screen above has an extra line as follows:

```
Specify Page Name: _____
or mark here: _ in order to establish a system-wide mandatory page
```

3 Press PF5 to add the page and return control to the maintenance list.

```
C Page Name Description

- *site
- PAGE0001
- PAGE0002
- PAGE0003
- PAGE0004
- PAGE0005
- PAGE0006
- PAGE0007
- PAGE0008
- PAGE0009
```

Note: The newly added PAGE0009 is highlighted to indicate that this page is currently staged in the current generation delta.

Display/Modify File Translation Page

To display/modify a file translation page

Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

```
16:39:39 ***** A D A B A S VISTA SERVICES 8.1.2 ***** 2006-04-12
- Modify Page - V11T30M1
Generation: CFG00001 Status: Inactive
Delta: DELTA001
Page Name : PAGE0009 Last modified 2006-04-12 at 16:11:06 by UKGXN
Added 2006-04-12 at 16:11:06 by UKGXN
```

2 Make any necessary modifications and press PF5 to confirm (modify only).

Purge File Translation Page

To purge a file translation page

1 Select it from the list by marking column C with a "p".

2 Press PF5 to confirm the purge request.

Copy File Translation Page

To copy a file translation page

1 Select it from the list by marking column C with a "c".

- 2 Define a new page name of your choice.
- 3 Press PF5 to confirm the copy request.
- 4 A new page name description may be provided by using the modify option.

Expand File Translation Page

To expand a file translation page

■ Select it from the list by marking column C with an "e".

Refer to Translation Rule Maintenance.

Translation Rule Maintenance

- Translation Rules
- List Translation Rules
- Add a Translation Rule
- Display/Modify a Translation Rule
- Purge a Translation Rule
- Copy a Translation Rule

Translation Rules

A *translation rule* is used by Adabas Vista to re-direct a command issued against a source file to a target file. The source file is identified by a source database and file number.

- The source database and file number identifies the file to the application. In Natural systems, this is the database and file number defined in the DDM.
- The target database and file number indicate where a qualified command is to be directed.

Translation rules are defined within pages. Within each page a source file can have a number of different targets, one for each defined Target Category. Refer to **Target Categories** for more information.

List Translation Rules

To display a list of translation rules

1 Select it from the File Translation Page list by marking column C with an "e".

2 Enter one of the following options in the C column to select a translation rule:

d	display
m	modify
p	purge
С	copy

Add a Translation Rule

To add a new translation rule

1 Press PF10 from the Maintain Translation Rules screen to display the Add Translate Rule screen.

```
17:13:05
            **** A D A B A S VISTA SERVICES 8.1.2 **** 2006-04-12
                 - Add Translation Rule -
                                                           V11T61M1
                                  Generation: CFG00001 Status: Inactive
Page Name: PAGE0009
                                                       Delta: DELTA001
Source ... Database: 1____ File: 0___
        Mandatory/ <-- Target Information ---> Or Command
                                                             User
         Priority Database File (or Redirect) None
                                                 limit
                                                              Info
         N 0____
                    2_____0___
TEST
         _ 0____
                    _____0___
QA
PRE-PROD _ 0____
                      ____ 0___
                                                0
PROD
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
    Help
               Exit
                                                              Menu
```

2 Enter the source database and file number and, for each target category (as required), the target database and file number.

A source and target file number of zero indicates that the translation rule applies to all files for the source database number. If such a rule exists and a rule also exists for a specific file with the same source database number, then the file rule will override the "all-files" rule.

In the example screen, any Adabas Vista enabled job with PAGE0009 defined in its runtime controls and running with a Target Category of TEST will cause any access to database 1 to be translated to database 2.

Refer to Translation Parameters for more information on the available options.

- 3 Press PF5 to add the translation rule definition.
- 4 To make changes to the rule just added, select the rule from the list by marking column C with an "m".

Display/Modify a Translation Rule

To display/modify a file translation rule

Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

```
17:19:34
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                 2006-04-12
                     - Modify Translation Rule -
                                                                  V11T63M1
                                        Generation: CFG00001 Status: Inactive
Page Name: PAGE0009
                                                             Delta: DELTA001
                             Last modified 2006-04-12 at 17:18:17 by UKGXN
                                    Added 2006-04-12 at 17:18:17 by UKGXN
Source ... Database: 1
                           File: 1
         Mandatory/ <-- Target Information ---> Or
                                                       Command
                                                                     User
          Priority Database File (or Redirect) None
                                                        limit
                                                                     Info
          N 0____
                     1____ 10___
TEST
             0____0
                            0____
          _ 0____
PRE-PROD
                            0__
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit
                            Upd
                                                                     Menu
```

- 2 Press PF5 to confirm any modifications (modify only).
- 3 Refer to Translation Parameters for more information on the available options.

Purge a Translation Rule

To purge a translation rule

1 Select it from the list by marking column C with "p".

```
15:46:52 Purge Translation Rule V11T60M2

Source ... Database: 1 File: 1

PF3 Exit PF5 Confirm
```

2 Press PF5 to confirm the purge request.

Copy a Translation Rule

To copy a translation rule

1 Select it from the list by marking column C with "c".

```
17:23:31 **** A D A B A S VISTA SERVICES 8.1.2 ***** 2006-04-12
- Copy Translation Rule - V11T64M1
Generation: CFG00001 Status: Inactive
Page Name: PAGE0009 Delta: DELTA001

FROM:
Source ... Database: 1 File: 1

TO:
Source ... Database: 1____ File: 1____
Page Name: PAGE0009
```

```
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit Copy Menu
```

- 2 Specify (as appropriate) a new database and file number and Page name.
- 3 Press PF5 to confirm the copy request

Any validation processing performed as a result of the copy is identical to that of an Add Translation rule request.

Site Policies for Target Categories

- Target Categories
- List Target Categories
- Add a Target Category
- Display/Modify a Target Category
- Purge a Target Category

Target Categories

For information on the purpose and usage of target categories, see section Target Categories.

List Target Categories

To display a list of target categories

1 Press PF11 (Site) from the Maintain File Translation Pages screen

```
2006-04-12
18:04:13
            ***** A D A B A S VISTA SERVICES 8.1.2 *****
               - Site Policies for Target Categories -
                                                             V11C00M1
                                    Generation: CFG00001 Status: Inactive
                                                        Delta: DELTA001
    Target
C Category
              First-level Null Definition Policy
              Allow
   TEST
  QΑ
              Allow
  PRE-PROD Allow
              Allow
   PROD
```

```
Mark with (D)isplay,(M)odify,(P)urge,(A)fter,(B)efore

Top of List
   Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
   Help Exit Menu
```

2 Enter one of the following options in the C column:

d	display
m	modify
p	purge
a	after
b	before

Add a Target Category

To add a new target category

Select the position in the list where the new Target Category is to be inserted by marking column C with an "a" or "b" as appropriate.

```
18:06:23 Add Target Category V11C10M1

Target Category: _____

Enter the name of the new target category, which must not already exist. Adding a new target category causes all translation rules in all modification deltas for the current generation to be updated. This may be a long-running process. You are strongly advised to add or purge target categories for the generation before making any changes to its translation rules.

PF3 Exit PF5 Confirm
```

- 2 Enter the new target category.
- 3 Press PF5 to confirm the add.
- 4 To make changes to the target category just added, select it from the list by marking column C with an "m".

Display/Modify a Target Category

To display/modify a target category

Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

```
15:54:32
             2006-07-19
                     - Modify Target Category -
                                                                V11C30M1
                                        Generation: *STARTUP Status: Active
                                                           Delta: DELTA001
Target Category: QA Last Modified: 2006-07-14 at 18:53:02 by UKSJU
                                   Added: 2006-07-14 at 16:43:49 by UKSJU
Description :
Command limit: 0_____ (0=no limit)
Category adjustment policy (mark one only):
      X allow a rule in a page to change (redirect) category
         (default is 'yes', only the first replacement during the page
         merge is taken)
       reject with response 249, subcode 107
First-level null definition policy (mark one only):
      X allow calls for which no rules exist (default)
      _ reject with response 249, subcode 106 at end of page-merge
       use the rule from category _
Second-level null definition policy (mark one only):
      X allow calls for which no rules exist (default)
      _ reject with response 249, subcode 108 at end of page-merge
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help
                Exit
                            Upd
                                                                   Menu
```

- 2 Press PF5 to confirm any modifications. (only for modify).
- 3 Refer to Target Category Parameters for more information on the available options.

Purge a Target Category

To purge a target category

1 Select it from the list by marking column C with a "p".

```
18:15:01 Purge Target Category V11C40M1

Target Category: PRE-PROD

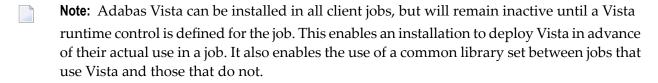
Purging a target category causes all translation rules in all modification deltas for the current generation to be updated. This may be a long-running process. You are strongly advised to add or purge target categories for the generation before making any changes to its translation rules.

PF3 Exit PF5 Confirm
```

2 Press PF5 to confirm the purge request.

Client Runtime Controls

An Adabas Vista job is uniquely identified by a job type and job name. Runtime controls are defined to influence the job's operation.



Note: See section Parameters for a complete description of all runtime controls.

Maintain Client Runtime Controls

■ Maintain Client Runtime Control Overrides

Maintain Client Runtime Controls

To display a list of client runtime controls

1 Select service 2 from the Maintenance menu or enter the command 1.2 on the command line.

```
17:36:21
           2006-04-12
                    - Client Runtime Controls -
                                                         U11300M1
                                       Reposition to Type: ____
                                                    Name:
                        Client Controls
                      AFP AVI ATM COR
C Type
            Name
                                              Comments
_ Batch
            VI81J007
                           Y
                                     Y
                            Y
                                      Υ
             VI81J008
Mark with Display, Expand, Modify, Purge, Rename, Copy, Overrides, Information
End of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
    Help
              Exit Refr
                                                  Add Prods Menu
```

- 2 This screen lists the runtime controls that have been defined for all Adabas Add-on products that share the same configuration file and indicates which job has runtime controls defined for which product.
- 3 To position within the list, enter the job type and name in the fields in the top right area of the screen.
- 4 PF11 allows you to maintain the runtime controls for any product from any product's online system.

5 Enter one of the following options in the C column to select an entry

d	display
w	expand
m	modify
p	purge
r	rename
c	copy
o	overrides
i	site information

- Add a Runtime Control
- Display/Modify Runtime Control
- Expand Runtime Control
- Purge a Runtime Control
- Rename a Runtime Control
- Copy a Runtime Control
- Maintain Site Information

Add a Runtime Control

To add a new runtime control

1 Press PF10 from the Client Runtime Controls screen.

```
14:36:48 ***** A D A B A S VISTA SERVICES 8.1.2 (1004) ***** 2008-05-22
- Add Client Runtime Control - U11310M1

Select (mark one):

_ Batch
_ COM-PLETE
_ CICS (DTR - Dynamic transaction routing)
_ CICS (Standard)
_ IMS (DTR)
_ UTM (DTR)
_ TSO
_ CMS
_ TIAM
_ more choices for type or

_ API controlled - type 1
_ API controlled - type 2
```

```
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit Menu
```

2 Mark the type of job required.

Each different job type has a different characteristic: it is important to select the correct type.

- If you mark the selection "more choices for type", another selection list appears with additional job types.
- 4 After selecting a job type, press Enter.

5 Enter a job name in the resulting screen.

It is possible to enter one or more asterisks (*) to indicate a wild card. For example, the runtime control with the name CICS**PR is found by any job with the name CICS in positions 1-4 and PR in positions 7-8, no matter what the characters are in positions 5-6. If an asterisk (*) is the last character in a job name, the remainder of positions in the name through the eighth are padded with asterisks.

The initial runtime control values set up for the new job are copied from those specified in the *DEFAULT entry for the selected job type.

If no default entry exists for the job type, then Adabas Vista product default values are used.

Runtime controls are always matched on type. The order of search within type is

- 1. Match on exact job name.
- 2. Match on wild card definitions.
- 3. Use the default for the job type, if one has been defined.

Note that the number of wild card job names defined for a job type has a direct effect on the number of Adabas commands needed to establish the runtime controls at initialization. This is particularly relevant to batch jobs that process relatively few Adabas commands.

For an explanation of the Coordinator Group Name and Clustered Application Service Name, refer to the section Parameters and to the *Adabas System Coordinator* documentation.

- 6 To create a default runtime control, select the appropriate job type and enter a "*" as the name.
 - **Note:** Default runtime controls are not available for job type CICS (DTR). A specific job runtime control overrides any default runtime control for the same job type.
- 7 Use PF5 to continue.

```
11:24:12
              ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                               2007-02-13
                - System Coordinator Runtime Controls -
                                                                U11310M5
                                      Operation mode (mark one):
Type: Batch
                                          Use normal autodetect approach: X
Name: VI81J009
                                           Enable COR even if no products:
                                      Disable all products including COR:
General Settings
    Estimated Client Sessions: 2_____ API runtime overrides..: N (Y/N)
    Memory pool extents (k)..: 256_
    Use additional exits....: N (Y/N)
    Maximum idle time (sec)..: _
Enter-PF1---PF3---PF3---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help Exit Add
                                                                   Menu
```

8 If no Adabas System Coordinator runtime controls are defined for this job name, you must define them now. Please refer to the Adabas System Coordinator documentation for an ex-

planantion of these (and additional optional) runtime controls. You can subsequently modify these if required.

9 Use PF5 to continue.

```
11:28:03
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                            2007-02-13
                  - Adabas Vista Runtime Controls -
                                                            U1133VM1
Type: Batch
Name: VI81J009
                          Last modified 2007-02-13 at 11:28:03 by UKGXN
                                  Added 2007-02-13 at 11:28:03 by UKGXN
                                  Vista ON/OFF for Job ..... ON_
        Database number for ET-Data ..... 0_
        Enable Multiple Database Updates ..... YES
        Global Format IDs
                          Natural... YES 3GL... NO
        Distributed Lock Mode ..... 0
        Error Response Code (ADARSPnnn) ..... 249
        Trace Activation ........... NO_ Cmds.. 128___
        Error Reporting WTO ..... NO_
        Command Time (Hex.) ..... 00000000
        Extended Hold ..... MINIMUM
        Mask OP/RSP148 .. YES
                            Result data: ISQ.. 07040400 ADDS4.. 740000
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help
               Exit
                          Upd
                                               More
                                                               Menu
```

- 10 These runtime controls are pulled from the *DEFAULT entry for the selected job type if such an entry doesn't exist, the product default values are used.
- 11 Use PF9 to define the file translation pages to be referenced by this job

18:33:23 **** A	D A B A S VISTA SERVICES 8.1.2 *****	2006-04-21
-	Adabas Vista Runtime Controls -	U1133VMP
Type: Batch		
Name: VI81J009	Last modified 2006-04-21 at 18:32:59	by UKGXN
	Added 2006-04-21 at 18:32:59	by UKGXN
Mode: *DEFAULT		
Permissible pages for	this runtime, in order of preference:	
*site		

PF3 Return PF9 Check

- 12 You now need to define the mode (or Target Category) under which this job will run and any file translation pages which must be referenced for it's correct operation.
- 13 If a *site page exists, then all jobs will automatically reference this file translation page. The existence of this page is identified by "*site" displayed on the screen.
- 14 If this job needs to also reference other file translation pages for correct operation, these pages should be specified here. The order they are defined in is the search order used by Adabas Vista to resolve any source files to their appropriate translation targets.
- 15 PF9 provides an optional check facility if you wish to confirm that the pages you define here actually do exist. In addition, at runtime, a policy can be defined in order to control Adabas Vista's runtime processing if it determines that a defined page does not exist.
- 16 For more information refer to the Pages runtime control.
- 17 Use PF3 to return to the main runtime controls screen and use PF5 to complete the process.

Display/Modify Runtime Control

to display/modify a runtime control

1 Select it from the list by marking column C with a "d" or "m" as appropriate (example below is for modify).

```
***** A D A B A S VISTA SERVICES 8.1.2 **** 2007-02-13
11:40:15
                 - Adabas Vista Runtime Controls -
                                                          U1132VM1
Type: Batch
Name: VI81J009
                         Last modified 2007-02-13 at 11:36:07 by UKGXN
                                Added 2007-02-13 at 11:36:07 by UKGXN
                                Vista ON/OFF for Job ..... ON
        Database number for ET-Data ..... 0
        Enable Multiple Database Updates ..... YES
        Global Format IDs: Natural... YES 3GL... NO
        Distributed Lock Mode ..... 0
        Error Response Code (ADARSPnnn) ...... 249
        Trace Activation ........... NO Cmds.. 128
        Error Reporting WTO ..... NO
        Command Time (Hex.) ...... 00000000
        Extended Hold ..... MINIMUM
        Mask OP/RSP148 .. YES Result data: ISQ.. 07040400 ADDS4.. 740000
Command ==>
```

```
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Exit More Menu
```

- 2 Make any necessary modifications (modify only).
- 3 Use PF9 to display/modify the mode (Target Category) and file translation pages used by this job.
- 4 Press PF5 to confirm (modify only).

Expand Runtime Control

to expand a runtime control

1 Select it from the list by marking column C with an "e".

```
16:18:28
              **** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                   2006-07-19
                    - Client Runtime Service Members -
                                                                    U11390M1
     Job type: CICS (DTR)
 Service name: CICCLUST
             C Name
                                                      Comments
Mark with Purge, Rename
No records found for selection
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit Refr
     Help
                                                           Add
                                                                       Menu
```

2 Expand is only relevant for DTR definitions. Expand allows you to define which jobs comprise that DTR service. Use PF10 to add a job. You can subsequently purge or rename it by marking it with P or R. For more information please refer to the Adabas System Coordinator documentation.

Purge a Runtime Control

to purge a runtime control

1 Select it from the list by marking column C with a "p".

- 2 Mark which products runtime controls you wish to purge.
- 3 Press PF5 to confirm

Rename a Runtime Control

to rename a runtime control

1 Select it from the list by marking column C with a "r".

```
11:24:21 Rename 2006-04-24
Runtime Control U11350M1

Job Type: Batch
Job Name: VI81J000

New Name: _____

Press PF5 to confirm rename

Command ==>
PF1 Help PF3 Exit PF5 Rename
```

- 2 Specify the new job name.
- 3 Press PF5 to confirm

Copy a Runtime Control

to copy a runtime control

1 Select it from the list by marking column C with a "c".

- 2 Mark which products runtime controls you wish to copy.
- 3 Specify the job name to which these runtime controls will be copied.
- 4 If you select All, you may also copy any defined overrides by entering Y against Copy Overrides.
- 5 Press PF5 to confirm

Maintain Site Information

To maintain site information

1 Select it from the list by marking column C with a "i".

```
***** A D A B A S VISTA SERVICES 8.1.2 *****
11:30:30
                                                                  2006-04-24
             - Client Runtime Controls Site Information -
                                                                  U11370M1
Type: Batch
Name: VI81J000
Site Information
You may define up to 256 bytes of alphanumeric data (site information), which
is stored with this runtime control definition and may be retrieved at runtime
using the documented API.
Command ==>
Enter-PF1---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                 Exit
     Help
                             Add
                                                                      Menu
```

2 Press PF5 to confirm.

Maintain Client Runtime Control Overrides

to list runtime control overrides

1 Select it from the Runtime Control maintenance list by marking column C with an 'o'.

```
**** A D A B A S VISTA SERVICES 8.1.2 *****
11:41:44
                                                                 2006-04-24
              - Client Runtime Controls Override Summary -
                                                                  U11380M1
Type: Batch
                 Name: VI81J001
                               Overrides
C Type
              Name
                         AFP
                               AVI ATM
                                           COR
                                                    Comments
_ Stepname
              STEP0002
                                Υ
```

```
Mark with Display, Modify, Purge, Rename, Copy, Information

End of List

Command ==>

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---

Help Exit Refr Add Menu
```

- 2 This screen lists the runtime control overrides that have been defined for the selected job.
- 3 Enter one of the following options in the C column to select an entry:

d	display
m	modify
p	purge
r	rename
С	copy
i	site information

4 These options are the same as the ones available for maintaining client runtime controls except that they maintain the override controls rather than the jobs base level controls.

5 Session Monitoring

To display the Session Monitoring menu

1 Select service 2 from the main menu.

2 The session monitoring menu shows the current job name. Select option 1 to show status information about the current job:

```
16:29:18
             ***** A D A B A S VISTA SERVICES 8.1.2 *****
                                                                 2006-07-19
                                                                 V12300M1
                          - System Status -
Job Name: DAEFCI18
 Command Statistics:
                     Partitioned Calls: 475872
                     Translation Calls: 3472343
                           Other Calls: 611859
Last known Sub-code for this system: 0
Command ==>
Enter-PF1---PF3---PF3---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help Exit Refr
                                                         Reset
                                                                    Menu
```

6 Special Services

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Special Services Menu

To display the Special Services menu

■ Select service 3 from the main menu.

From this menu, you can	Service	Cmd
access local SYSAVI services	1	3.1

Local SYSAVI Services

Local SYSAVI Services provide service request communication with the TP monitor in use.

- Local Services Window
- Installation Check

ZAP Information

Local Services Window

- To display the Local SYSAVI Services window from the Special Services menu
- Select service 1 or enter the command 3.1 on a command line.

```
| 10:26:30 | 2006-05-29 | V13100M1 | | Special Services for | Local Job: DAEFCODE | | I Installation Check | Z Zap Information | Exit | Code ... _ | | Command ==> | PF1=Help, PF3=Exit | |
```

The job name is shown in the window header (DAEFCODE in the example).

Installation Check

- To display the Installation Check screen for the specified job
- Select option I from the Local SYSAVI Services window.

```
***** A D A B A S VISTA SERVICES 8.1.2 *****
17:37:16
                                                              2006-05-29
               - Installation Check for DAEFCODE -
                                                                 V13110M1
  Name
           Ver
                   Address
                                Description
ADALNK
                   8000AF00
                                Link module
CORS02
           812
                   003DD8B8
                                 System Coordinator Stub Module
            812
                  177E232C
                                System Coordinator Kernel
CORKRN
                   00007050
                                System Coordinator Configuration module
CORCFG
AVIPXY
         812
                   177E9C78
                                 Vista Proxy
AVIKRN
            812
                   9798A2F8
                                 Vista Kernel
```

```
Status: Initialized OK Error Code: 000 (Refer to Manual)
 System File: DBID 11 FNR 5 SVC 254
CIB: 177E1330 CCB: 17839A00
                                             OSD1: 00000000 ST1
                                                                  : 00
                                                                  : 00
PFX: 003DDF48 SCA: 1783A228
                                             OSD2: 00000000 ST2
              VCL: 9798A2F8
                                            OSD3: 00000000 ST3
                                                                  : 00
                                                                  : 00
                                             OSD4: 00000000 ST4
                                             OSD5: 00000000 ST5
                                                                  : 00
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
     Help
                Exit
                                                                    Menu
```

Although the screen is primarily intended for Software AG use to assist in identifying installation problems, some of the information may be helpful to users of the system.

ZAP Information

To display the zap information

Select option Z from the Local SYSAVI Services window.

The zaps that have been applied to the Adabas Vista modules used by the local Adabas Vista Online Services (SYSAVI) are identified on the resulting screen.

- To display the zaps applied to the local Adabas System Coordinator
- Press PF9.

7 AVILOOK

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The command analysis sampler (AVILOOK) can be used to determine those files which may benefit from Adabas Vista's Partitioning option by reporting on the command constructs used to access the file.

The sampler is controlled and viewed online using SYSAVI and, in addition, prints the results at normal database termination.



Note: For those Adabas customers who do not have an Adabas Vista license, the AVILOOK sampler along with a demo version of SYSAVI is distributed as part of the Adabas release tape.

Enabling AVILOOK

AVILOOK is enabled using the following ADARUN command:

ADARUN VISTA=YES

SYSAVI – Selecting AVILOOK

To select AVILOOK

■ Selecting service 4 from the SYSAVI main menu displays the AVILOOK menu options:

```
Code Service

1 File Maintenance

Exit

Code.:

Database ID.:

Nuc ID.:

System Coordinator Node:
```

SYSAVI – Using AVILOOK

This section describes how to use AVILOOK.

- AVILOOK File Maintenance
- AVILOOK File Statistics
- AVILOOK Add Files

AVILOOK File Maintenance

The File Maintenance screen lists the files that are already defined to AVILOOK for a specified database number. The database name is also displayed.

To display the File Maintenance screen from the AVILOOK menu

- 1 Select service option 1.
- 2 Specify the Adabas database number for the database for which you wish to run AVILOOK.

 The database must be running with the ADARUN VISTA=YES parameter.
- 3 (Optional) For a cluster database, specify a Nucleus ID.

If the database number you specify is a cluster database, you have the option to specify the Nucleus ID of the cluster nucleus you wish to monitor.

You may select the appropriate nucleus from this list.

If you choose not to specify a Nucleus ID or you specify a value of 0, you are required to specify the Node ID of the local Adabas System Coordinator. A window is displayed listing the nuclei that are currently active in the cluster.

If the job within which you are using SYSAVI is defined to a System Coordinator group, the Node ID of the local System Coordinator is automatically set up.

Press PF4 to refresh the command count.

To select a file entry

■ Enter one of the following options in column C next to the file to be selected:

a	activate; start gathering statistics
p	pause; stop gathering statistics
r	reset statistics to zero
s	display the current statistics for the file
x	delete the file from the file list

AVILOOK File Statistics

To display the File Statistics screen from the AVILOOK menu

■ Enter option "s" in column C next to the file entry:

```
DBID: 231
            (TEST-V7-DB)
File: 2
                                              Started: 2006-04-20 09:09:20
                                              Paused:
       CC
                    Command Count
                                            CC
            Desc
                                                  Desc
                                                          Command Count
       L3
             AA
                              2836
             AB
                              1324
       S1
      L3
                                24
             BC
       L9
             S1
                                26
```

```
Other Commands not listed above: 1558

Command ==>
```

This screen shows statistics on the command constructs used to access the file (for example, s1,L3 and L9 commands). The statistics are displayed in descending order by command code (CC) and Adabas two-character field name (Desc).

In this example, there are 2836 accesses to file 2 using an L3 command with the Adabas field AA as the primary sequence field. Such a file, where the predominant access is by a single key, may benefit from being partitioned using the Adabas field AA as the Adabas Vista partitioning field.

AVILOOK Add Files

To add a new AVILOOK file

1 Press PF10 from the AVILOOK File Maintenance screen.

- 2 Enter the file number.
- 3 Indicate whether you want AVILOOK to start gathering statistics immediately (Active status) or you want to define the file now and activate it at a later time (Pause status).
- 4 (Optional) Predefine the maximum number of commands the active file can process before it automatically reverts to pause status.
- 5 Press PF5 to add the file.
- **Note**: Files defined (and activated) are only sampled for the duration of the current database session.