software ^AG

Adabas Vista

Adabas Vista Online Administration

Version 8.2.2

November 2016

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1 Adabas Vista Online Administration

This document describes the Adabas Vista Online Services application (SYSAVI).

The following topics are provided:

Using Online Services
System Settings
Maintenance
Current Activity Displays
Special Services
Adabas Access Analysis (AVILOOK)

Refer to **Activity Displays** for other administrative functions relating to Adabas Vista.

2 Using Online Services

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:

```
09:19:23        ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-02-28
                         -  Main Menu  -                              V1MAINM1


               Code    Service
               ----    -------------------------
                0      System Settings
                1      Maintenance
                2      Current Activity Displays
                3      Special Services
                4      Avilook
                5      About Adabas Vista
                .      Exit
               ----    -------------------------
          Code..: _




 You can easily switch around the tools for Fastpath, Vista etc by use of
 PF11, 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---
     Help        Exit                                            Prods Vers
```

The following options are available:

Option	Description
System Settings	Maintain Adabas Vista configuration file and security settings.
Maintenance	Maintain Adabas Vista rules and client runtime controls.
Current Activity Displays	Display the activity of the current session.
Special Services	Provide installation and applied fix information for the Adabas Vista components.
AVILOOK	File analysis tool.
About Adabas Vista	Display product information.

Note: From the Adabas Vista main menu, you may switch to the online systems of Adabas System Coordinator, Adabas Fastpath, Adabas SAF Security or Adabas Transaction Manager by pressing PF11. This will result in a window appearing within which you can make your product selection. You may also switch from any screen with a command line by entering the appropriate three-character code (for example, AVI for Adabas Vista) as a command. You may only switch to the same version of another online system.

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
	SAF Security Settings	0.2
Maintenance	Menu	1
	Partitioned Files	1.1
	Translation Rules	1.2
	Client Runtime Controls	1.3
Current Activity Displays	Menu	2
Special Services	Menu	3
	Local SYSAVI Services	3.1
AVILOOK	Menu	4

Function	Object	Command
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:

```
10:54:00      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-05-29
              - 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
 5 COPY       - 'C' = Copy  a generation and all its rules
 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 level
1 - 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 page
-	to move to a previous page until page 1, then back up a level

3 System Settings

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.

```
09:45:10        ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-02-28
                      -  System Settings  -                           V10000M1


                 Code    Service
                 ----    --------------------
                  1      LFILE 152 Maintenance
                  2      SAF Security Settings
                  .      Exit
                 ----    --------------------
           Code..: _










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

From this menu, you can	Code	Cmd
customize the use of the configuration file (LFILE 152)	1	0.1
Activate security protection for online administration	2	0.2

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.

```
+----------------------------------------------------------------+
| 18:24:45              LFILE 152 Maintenance         2006-05-29 |
|                                                      U1LFILM2   |
|                                                                |
| Current Settings for LFILE 152:                                |
|                                                                |
| Original LFILE = ( 152 , 135   ,  18    )                      |
|  Current LFILE = ( 152 , 135__ ,  18___ )                      |
|                  (effective only for this Natural session)     |
|                                                                |
| Default pop-up settings:                                       |
| Do you want to see this window again ?                         |
|                    - for the current SYSAVI session... Y       |
|                    - for future SYSAVI sessions....... Y       |
|                                                                |
|            PF3 Exit       PF5 Update/Confirm                   |
|                                                                |
+----------------------------------------------------------------+
```

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.

SAF Security Settings

≫ **To activate security protection for online administration:**

■ Select service 2 from the System Settings menu or enter the command 0.2 on a command line. The SAF Security settings window will appear:

```
13:00:29            SAF Security Settings            2011-02-28
                                                     U1SAFSM1


Protect SYSAVI with SAF Security: N (Y/N)
System Coordinator Daemon Group : _____

Action if no daemon available (mark one):
         Disallow all functions: _
      Allow read functions only: _
            Allow all functions: _




            PF3 Exit       PF5 Update/Confirm
```

For an explanation of these settings refer to *Activating security protection of online administration for Vista* in the *Adabas SAF Security* documentation.

4 Maintenance

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 8.2.2 *****          2006-07-18
                          -  Maintenance  -                              V11000M1


                    Code     Service
                    ----     ---------------------------
                     1       File Partitioning
                     2       File Translation
                     3       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.

- List Partitioned Files
- Add (Define) a Partitioned File
- 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.

```
18:41:24       ***** A D A B A S   VISTA SERVICES 8.2.2 *****         2006-07-18
                     -  Maintain Partitioned Files  -                  V11P00M1


 Reposition: Database: _____  File: _____
        Database/File/Name
 C  <--------- Source ----------->     Partitioning Field
 _        11    300   EMPL1            LAST-NAME
 _        11    301   VEHCL2           DATE-OF-MANUFACTURE
 _        11    302   EMPL3            AE   A 20
 _        11    303   VEHCL4           AG   U 4








 Mark with any character to expand or (P)urge (C)opy
End of List
 Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help         Exit  Refr                                Add         Menu
```

2   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:

p	purge
c	copy
Other	Any other non-blank character lists the partitions of the file.

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.

```
 11:45:09      ***** A D A B A S   VISTA SERVICES 8.2.2 *****         2012-05-16
                       -  Add Partitioned File  -                      V11P10M1



 Source ... Database: 11__    File: 1___    Name: TESTFL1_ (optional)
            Type: S  S = standard; E = extreme; any other mark for more options

   Partitioning Criteria .. Field Name ..... AA    (from
                                 Format ... A           Adabas
                                 Length ... 8____            FDT)
                             Display as ..... _____
    Mark to use lower-case in the Field Name _

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




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

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

3   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   Specify the Source Type.

    For a standard partitioned file specify a source type of "S" (the default).

    For an Extreme partitioned file specify a source type of "E". For more information on Extreme partitioned files, refer to *Using Extreme partitioned files* in the *Programming Guidelines*.

    Refer to the parameter Source Type for more information.

    Note: Specifying any mark other than "S" or "E" will currently result in the following pop-up window:

```
12:25:32                    -  Partition Type  -                   V11P10M3

 Partition file type (mark one): _ Standard
                                 X Extreme
                                   Use only as directed by Software AG:
                                   _ Restricted to ACBX-only style
                                   _ Extreme using special FDT field
                                     __ Special FDT field name
                                      _ Mark to use lower-case field name
```

    Note: This screen is obsolete and will be removed in a future update - return to the Add Partitioned File screen and select a type of "S" or "E" as appropriate.

6   Enter the Adabas field information for the Partitioning Field.

    Refer to the parameter Partitioning Field for more information.

    If the Adabas field name contains lower-case characters, enter any non-blank character against "Mark to use lower-case in the Field Name".

    Note: Your terminal must be defined appropriately to the TP system to allow lower-case input.

7   Specify a command limit, if required.

8   Press PF9 for additional options.

    For a standard partitioned file (Source type = "S")

```
11:52:25           -  Additional Options  -           V11P10M2


    Partition ID Assignment....... VISTA
    Maximum number of Partitions.. 255__
    ==> Default Partition TOPISN.. 16777215
    Enable ISN Positioning........ YES
    User Partition Concurrency.... 8__   (max. active CIDs/user)
    Store Control Option.......... 1


                      PF3 Exit   PF5 Upd
```

For an extreme partitioned file (Source type = "E")

```
16:17:30           -  Additional Options  -           V11P10M4


    Partition ID Assignment....... VISTA
    Enable ISN Positioning........ YES
    User Partition Concurrency.... 8__   (max. active CIDs/user)
    Store Control Option.......... 1


                      PF3 Exit   PF5 Upd
```

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

9   Press PF5 to add the partitioned file definition.

10   If you need to make changes to the file definition just added, select it from the list by marking column C with an "m".

11   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.

Modify a Partitioned File Definition

≫ To modify a partitioned file definition

1   Select it by marking column C with any non-blank character (other than p or c).

```
14:51:39      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                     - Maintain Partitions  -               V11P60M1


Source ... Database: 11     File: 300     Name:
           Type: S   Standard file
Criteria: Field: AE  Format: A  Length: 20     Name: LAST-NAME


 Selection:  Partition Database: _____  File: _____               Parts: 0
C    Name  Database  File       Part ID   ACSI   Partitioning Field High Value










Mark with (T)est,(M)odify,(P)urge

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

2   Press PF11.

```
19:10:26       ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-02-28
                      -  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___
           Type: S   standard
                 S = standard; E = extreme; any other mark for more options
    Partitioning Criteria .. Field Name ..... AE    (from
                              Format ... A          Adabas
                              Length ... 20___              FDT)
                          Display as ..... LAST-NAME_____
     Mark to use lower-case in the Field Name _


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




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

3   Make any necessary modifications.

     If the Adabas field name contains lower-case characters, enter any non-blank character against
     "Mark to use lower-case in the Field Name".

     Note: Your terminal must be defined appropriately to the TP system to allow lower-
     case input.

4   Press PF5 to confirm any modifications.

5   Press PF9 to modify the additional options.

6   Press PF5 to confirm any modifications.

Purge a Partitioned File Definition

≫ **To purge a partitioned file definition**

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

```
+-------------------------------------------------------------------+
!  19:13:21                   Purge Profile                V11P00M2 !
!                                                                   !
!                                                                   !
!                                                                   !
!  Source ... Database: 11    File: 300    Name: EMPL1          !   !
!                                                                   !
!                                                                   !
!                                                                   !
!                                                                   !
!                                                                   !
!                        PF3 Exit    PF5 Confirm                    !
!                                                                   !
!                                                                   !
+-------------------------------------------------------------------+
```

2   Press PF5 to confirm the purge request.

Maintain Partitions

- List Partitions
- Add Partitions
- Test partition settings
- Modify a Partition
- Purge a Partition

List Partitions

≫ **To display the list of partitions defined to the partitioned file**

1   Select the partitioned file from the list on the Maintain Partitioned Files screen by marking
     column C with a non-blank character:

```
   09:39:57      ***** A D A B A S   VISTA SERVICES 8.2.2 *****           2011-02-28
                       -  Maintain Partitions  -                           V11P60M1

   Source ... Database: 11     File: 302     Name: EMPL3
              Type: S   Standard file
   Criteria: Field: AE  Format: A  Length: 20      Name: NAME

    Selection:  Partition Database: _____  File: _____              Parts: 3
   C    Name  Database  File       Part ID   ACSI    Partitioning Field High Value
   _   PART0001    110     16          1    FYND    G9999999999999999999
   _   PART0002    110     26          2    FYND    O9999999999999999999
   _   PART0003     11    260          3    FYND    Z9999999999999999999




   Mark with (T)est,(M)odify,(P)urge

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

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

t	test
m	modify
p	purge

3   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.

6   The field Partitioning Field High Value is the highest value of the partitioning field that can reside in each partition.

7   Refer to section Adabas Vista 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      ***** A D A B A S   VISTA SERVICES 8.2.2 *****         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---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help        Exit        Upd                                       Menu
```

2   Enter the partition database and file number. You may specify an optional name for the partition to more easily identify it.

3   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.

5   To make changes to the partition just added, select the entry from the list by marking column C with an "m".

Test partition settings

≫ **To test a partition**

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

2   The partition definition will be checked to see that it matches what is in the physical files.

3   A subsequent "Test Partition For Validity" screen will pop-up with the result.

4   A successful test will look like this:

```
 10:18:25          Test Partition For Validity        2011-03-03
                                                      V11P65M1

 Partition database: 110    file: 16
     Partition test successful




                        PF3 Exit
```

   Note: This function is not currently supported for shared partitions.

Modify a Partition

≫ **To modify a partition**

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

```
09:44:53        ***** A D A B A S   VISTA SERVICES 8.2.2 *****          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  )
  ===> G9999999999999999999                                              <===
  ===>                                                                   <===
  ===>                                                                   <===
  ===>                                                                   <===


 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".

```
+--------------------------------------------------+
! 09:45:47      Purge Partition       V11P60M2  !
!                                                  !
! Name: PART0001  Database: 110    File: 16     !
!                                                  !
!           PF3 Exit    PF5 Confirm              !
!                                                  !
+--------------------------------------------------+
```

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 (List change deltas) 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
- ■ 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.

```
11:35:14      ***** A D A B A S   VISTA SERVICES 8.2.2 *****      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 any character to expand or (A)ctivate,(L)ist change deltas,
          (P)urge,(C)opy

End of List
 Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help        Exit  Refr                              Add          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:

a	activate generation
l	expand generation for generation delta maintenance
m	modify generation information
p	purge generation (and all rules)
c	copy generation (and all rules)
Any other non-blank	browse generation configuration

> **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 8.2.2 *****        2006-05-29
                    -  Add Generation  -                            V11210M1

 Generation: CFG00001


 Description:
 CONFIGURATION CHANGE FOR ACCOUNTS DEPARTMENT – CHANGE NUMBER ACC/02/21A.
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____





 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 any non-blank character (other than those specifically mentioned).

```
16:08:19       ***** A D A B A S   VISTA SERVICES 8.2.2 *****           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 any character to expand or (P)urge,(C)opy
End of List
 Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help           Exit  Refr                     Fwd   Site  Add         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.

Notes:

1. The newly activated generation becomes immediately available for use by all sessions. Sessions that exist at the time the new generation is activated will only acknowledge the new generation when they reach a situation where there are no outstanding cursors (CIDs) and transactions because it is impossible to alter a target file (etc.) in the middle of these activities.

2. For the correct recognition of configuration changes, the configuration file must have been modified after job initialization. Jobs must be restarted if configuration changes implemented by restoring a previously modified configuration file are to be recognized.

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**.

Modify Generation

≫ **To modify a generation**

1   Expand its change deltas by marking column C with "l".

```
 15:17:59      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                   -  Maintain Generation Deltas  -             V11270M1
                                                 Generation: CFG00001 Status: Inactive
 C Delta                                                    Status
 _ DELTA001                                                 In use




















 Mark with any character to expand or (P)urge,(C)opy,(A)pply

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

2   Press PF11.

```
12:36:22       ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-04-12
                          - Modify Generation  -                     V11230M1

 Status: Inactive              Last Modified: 2006-04-12 at 12:23:15 by UKGXN
                                     Created: 2006-04-12 at 12:23:15 by UKGXN


 Generation: CFG00001
 Last Activated:

 Description:
 CONFIGURATION CHANGE FOR ACCOUNTS DEPARTMENT - CHANGE NUMBER ACC/03/21A.
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____
 _____


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

3 Make any necessary modifications and press PF5 to confirm.

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

```

2 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.
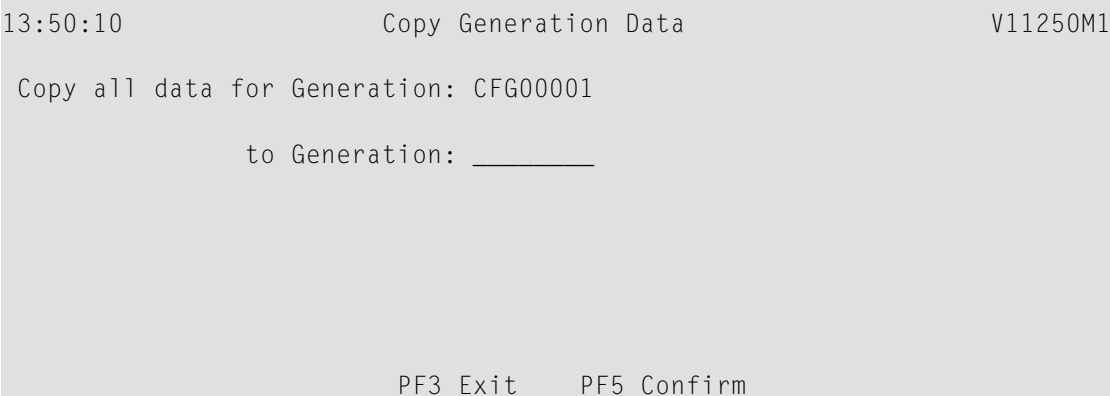
For generations with large numbers of Partitioned and Translation files, it may be preferable to use the purge deferred option to indicate the intention to purge and then to actually perform the purge at an appropriate time. This is due to the amount of configuration file activity necessary to purge 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
- ■ 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  |
|                                                    V1DELOM1     |
|                                                                |
|  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".

```
14:11:07          ***** A D A B A S   VISTA SERVICES 8.2.2 *****         2006-04-12
                   -  Maintain Generation Deltas  -               V11270M1
                                            Generation: CFG00001 Status: Inactive
  C Delta

















  Mark with any character to expand or (P)urge,(C)opy,(A)pply

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

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:

p	purge generation delta (and all changes)
c	copy generation delta (and all changes)
a	apply generation delta to base generation
Any other non-blank	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.

```
15:07:04      ***** A D A B A S  VISTA SERVICES 8.2.2 *****      2006-04-12
                      -  Add Generation Delta  -              V11271M1
                                        Generation: CFG00001 Status: Inactive
 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---
      Help        Exit        Add                                        Menu
```

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
```

Modify Generation Delta

≫ **To modify a generation delta**

1   Expand it by marking column C with a non-blank character.

```
 15:28:11      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                          -  Maintain Pages  -                      V11T00M1
                                            Generation: CFG00001 Status: Inactive
 Reposition to page: _____                             Delta: DELTA001
 C  Page Name    Description
 _  *site








 Mark with any character to expand or (P)urge,(C)opy
 End of List
  Command ==>
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       Help        Exit  Refr                          Site  Add   Desc  Menu
```

2   Press PF11.

```
14:47:53      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-04-12
                     - Modify Generation Delta  -               V11273M1
                                       Generation: CFG00001 Status: Inactive

 Status: In use              Last Modified: 2006-04-12 at 14:37:53 by UKGXN
                                    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---
      Help        Exit        Upd                                        Menu
```

3   Make any necessary modifications and press PF5 to confirm.

Purge Generation Delta

≫ **To purge a generation delta**

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

```
14:52:02                 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: CFG00001
        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).

📄   **Notes:**

1. If the affected base generation is the currently active generation, the modified active generation becomes immediately available for use by all sessions. Sessions that exist at the time the generation is modified will only acknowledge the modifications when they reach a situation where there are no outstanding cursors (CIDs) and transactions because it is impossible to alter a target file (etc.) in the middle of these activities.

2. For the correct recognition of configuration changes, the configuration file must have been modified after job initialization. Jobs must be restarted if configuration changes implemented by restoring a previously modified configuration file are to be recognized.

Expand Generation Delta

≫ **To expand a generation delta for rule maintenance**

1   Select it from the list by marking column C with a non-blank character.

```
  16:08:19      ***** A D A B A S   VISTA SERVICES 8.2.2 *****          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 any character to expand or (P)urge,(C)opy
  End of List
   Command ==>
  Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       Help         Exit  Refr                           Site  Add   Desc  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:

p	purge file translation page (and all rules within)
c	copy file translation page (and all rules within)
Any other non-blank	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.

PF9 is used to access the **Site Policies for Target Categories** maintenance screen.

File Translation Page Maintenance

- Add File Translation Page
- 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.

```
16:09:16        ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-04-12
                              -  Add Page  -                          V11T10M1
                                      Generation: CFG00001 Status: Inactive
                                                          Delta: DELTA001


 Specify Page Name: PAGE0009




 Description: _____







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

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.

Modify File Translation Page

≫ **To modify a file translation page**

1   Expand it by marking column C with a non-blank character.

```
 15:36:05      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                    -  Maintain Translation Rules  -              V11T60M1
 Page Name: TEAM1                              Generation: *STARTUP Status: Active
 Reposition: Database: _____   File: _____                     Delta: TESTSHOW
    Database/File        Translated database/file (or redirect)...
    <---Source-->        <---TEST-->   <----QA--->   <-PRE-PROD>  <---PROD-->
 C
 _    17078     7        17079    77        -      -       -      -       -      -




 Mark with any character to expand or (P)urge,(C)opy
 End of List
  Command ==>
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help       Exit  Refr                               Add   Desc  Menu  ↵
```

2   Press PF11.

```
 16:39:39       ***** A D A B A S   VISTA SERVICES 8.2.2 *****        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




  Description: _____




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

3   Make any necessary modifications and press PF5 to confirm.

Purge File Translation Page

≫ **To purge a file translation page**

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

```
16:42:31      Purge      2006-04-12
                Page       V11T40M1


 Page Name: PAGE0009



All translation rules in this
page will also be purged.

    ************************
    *  PF5 to Confirm Purge *
    ************************



Command ==>
      PF1 Help    PF3 Exit
```

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".

```
16:43:27      Copy       2006-04-12
                Page       V11T60M1


 Page Name: PAGE0009

    Copy to: _____

All translation rules will also
be copied to the new page.

    ************************
    *  PF5 to Confirm Copy *
    ************************



Command ==>
      PF1 Help    PF3 Exit
```

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 a non-blank character.

Refer to **Translation Rule Maintenance**.

Translation Rule Maintenance

- Translation Rules
- List Translation Rules
- Add a Translation Rule
- 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".

```
17:06:40      ***** A D A B A S   VISTA SERVICES 8.2.2 *****      2006-04-12
                   -  Maintain Translation Rules  -              V11T60M1
 Page Name: PAGE0009                         Generation: CFG00001 Status: Inactive
 Reposition: Database: _____   File: _____                      Delta: DELTA001
   Database/File      Translated database/file (or redirect)...
   <---Source-->      <---TEST-->   <----QA--->   <-PRE-PROD>   <---PROD-->
 C
 _      11    259        12    259        -      -        -     -       -      -




















 Mark with any character to expand or (P)urge,(C)opy                          ↵

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

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

p	purge
c	copy
Any other non-blank	expand the translation rule

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 8.2.2 *****         2006-04-12
                       - Add Translation Rule  -                         V11T61M1
   Page Name: PAGE0009                       Generation: CFG00001 Status: Inactive
                                                                   Delta: DELTA001


   Source ... Database: 1____   File: 0____

           Mandatory/ <-- Target Information ---> Or      Command         User
           Priority  Database File (or Redirect) None      limit          Info
   TEST      N  0____    2____   0____   _____    _     0_____   _____
   QA        _  0____    _____   0____   _____    _     0_____   _____
   PRE-PROD  _  0____    _____   0____   _____    _     0_____   _____
   PROD      _  0____    _____   0____   _____    _     0_____   _____ ↵




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

Modify a Translation Rule

≫ **To modify a file translation rule**

1   Select it from the list by marking column C with a non-blank character.

```
17:19:34       ***** A D A B A S   VISTA SERVICES 8.2.2 *****         2006-04-12
                     -  Modify Translation Rule  -              V11T63M1
 Page Name: PAGE0009                        Generation: CFG00001 Status: Inactive
                                                            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
 TEST      N  0____    1____   10___  _____    _     0_____  _____
 QA        _  0____    _____   0____  _____    _     0_____  _____
 PRE-PROD  _  0____    _____   0____  _____    _     0_____  _____
 PROD      _  0____    _____   0____  _____    _     0_____  _____ ↵




 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.

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 8.2.2 *****        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
- 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 PF9 (Site) from the Maintain File Translation Pages screen

```
18:04:13      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-04-12
              -  Site Policies for Target Categories   -        V11C00M1
                                          Generation: CFG00001 Status: Inactive
    Target                                                  Delta: DELTA001
C  Category     First-level Null Definition Policy                          ↵

_  TEST         Allow
_  QA           Allow
_  PRE-PROD     Allow
_  PROD         Allow








 Mark with (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:

m	modify
p	purge
a	after
b	before

Add a Target Category

≫ **To add a new target category**

1   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".

Modify a Target Category

≫ **To modify a target category**

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

```
15:54:32      ***** A D A B A S   VISTA SERVICES 8.2.2 *****         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.

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

Runtime controls determine the operational behavior of Adabas Vista in the job. You can adjust this behavior on a case-by-case basis by specifying overrides to tailor operation for a particular transaction code (TP systems), stepname (batch jobs) or login id.

> **Note:** 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.

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

- Maintain Client Runtime Controls
- Maintain Client Runtime Control Overrides
- Dynamic Client Runtime Configuration

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        ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2006-04-12
                      -  Client Runtime Controls  -                    U11300M1
                                              Reposition to Type: _____
                                                            Name: _____
                              Client Controls
C Type            Name        AFP   AVI   ATM   COR        Comments
_ Batch           VI81J007          Y           Y
_                 VI81J008          Y           Y




 Mark with Jobs,Modify,Purge,Rename,Copy,Overrides,Information,History

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

j	list jobs in DTR service
m	modify
p	purge
r	rename
c	copy
o	overrides
i	site information

- Add a Runtime Control

- Modify Runtime Control
- List jobs in a DTR service
- 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 8.2.2 (I004) *****    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.

> **Note:** Select the job type "CICS (Standard)" if CICS/MRO is to be used without dynamic transaction routing or for other CICS environments. Select the job type "CICS (DTR – Dynamic Transaction Routing)" if CICS/MRO is to be used with dynamic transaction routing.

3   If you mark the selection "more choices for type", another selection window will appear with additional job types. If you need to use any of these, contact Software AG for advice.

If you mark either of the API controlled types, you can define a set of runtime controls which can be activated dynamically by API. You must enable API overrides for any job where you want to use this API definition and name it in the job's list of permissible APIs.

>   **Note:** Dynamically activated API runtime controls are not yet available.

4   After selecting a job type, press Enter.

```
11:14:14        ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2007-02-13
                    -  Add Client Runtime Control  -                  U11310M3


        Type: Batch
        Name: VI81J009 (* for default controls for this type)


 This is a standard type of runtime.











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

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.

6   To create a default runtime control, select the appropriate job type and enter a "*" as the name.

> **Note:** A specific job runtime control overrides any default runtime control for the same job type.

7   Use PF5 to continue.

```
 16:43:41      ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                 -  System Coordinator Runtime Controls  -          U11310M5

 Type: Batch         Name: VI81J009
   Operation: Normal autodetect: X Enable without products: _ Disable all: _
   API runtime overrides....: N (Y/N)
   Use additional exits.....: N (Y/N)
   Maximum idle time (sec)..: _____

   Runtime messages.........: Y Default _ Local (DDMSG) file _ Daemon (DDMSG)
   Activity pulse every.....: _____ commands or _____ seconds
     Display (mark one).....: _ Daemon shared memory
                              _ Daemon memory
     Latency (mark one).....: X Local
                              _ Group latency disk file
                              _ Daemon shared memory
                              _ Daemon memory
     Group name.............: _____ (required if group/daemon services used)


 Command ==>
 Enter-PF1---PF2---PF3---PF4---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 explanantion 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 8.2.2 *****         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
          Origin CID transport: In ACBUSER: N or in UB: N hex offset: 0000    ↵
                                                                              ↵




 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. Use PF5 to confirm these settings.

11 Use PF9 for an additional controls screen and to define the file translation pages to be referenced by this job:

```
16:46:25       ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2011-12-07
                    -  Adabas Vista Runtime Controls  -              U1133VMP
Type: Batch
Name: VI81J009                 Last modified 2011-12-07 at 16:46:20 by UKSJU
                                      Added 2011-12-07 at 16:46:20 by UKSJU
Mode: NEWDEFLT


Permissible pages for this runtime, in order of preference:

*site               _____     _____     _____     _____
                    _____     _____     _____     _____



Convergence processing controls:
    CL commands (mark one) X Dilute to RC on demand (default)
                           _ Only honor when ETID is used
                           _ Always honor
                           _ Only reject when ETID is used
                           _ Always reject (RSP249/22)


                    PF3 Return  PF5 Upd  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 PF5 to confirm these settings.

Modify Runtime Control

≫ **To modify a runtime control**

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

```
11:40:15      ***** A D A B A S   VISTA SERVICES 8.2.2 *****      2007-02-13
                  -  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
        Origin CID transport: In ACBUSER: N or in UB: N hex offset: 0000    ↵




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

2   Make any necessary modifications.

3   Use PF9 for an additional controls screen which includes the mode (Target Category) and file translation pages used by this job.

4   Press PF5 to confirm.

List jobs in a DTR service

≫ **To list jobs in a DTR service**

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

```
16:18:28        ***** A D A B A S   VISTA SERVICES 8.2.2 *****         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---
      Help         Exit  Refr                                Add          Menu
```

2   List jobs is only relevant for DTR definitions. It 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".

```
11:46:50     Purge     2007-02-13
      Runtime Control U11340M1

   Type: Batch
   Name: VIAP3000

   _    All
   _    Vista




 Mark Product(s) to purge or All
  (Overrides will also be purged)
Command ==>
 PF1 Help   PF3 Exit   PF5 Purge
```

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".

```
  11:25:37      Copy          2006-04-24
           Runtime Control U1136OM1

            Type: Batch
            Name: VI81J000

            _ All
            _ Vista


    Mark Product(s) to copy or All

    Copy to job ..: _____
    Copy Overrides: N (Y/N - All)


 Command ==>
  PF1 Help   PF3 Exit   PF5 Copy   ↵
```

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 Over-
     rides.

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".

```
11:30:30      ***** A D A B A S   VISTA SERVICES 8.2.2 *****       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---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help        Exit        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'.

```
11:41:44        ***** A D A B A S   VISTA SERVICES 8.2.2 *****         2006-04-24
                 -  Client Runtime Controls Override Summary  -        U11380M1

Type: Batch         Name: VI81J001


                                   Overrides
C Type           Name          AFP   AVI   ATM   COR        Comments
_ Stepname       STEP0002             Y












 Mark with 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:

m	modify
p	purge
r	rename
c	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.

Dynamic Client Runtime Configuration

Please refer to the *Adabas System Coordinator* documentation and the section on *Dynamic Client Runtime Configuration for Experts*.

5 Current Activity Displays

Current Activity Displays are now in System Coordinator. Refer to **Activity Displays**.

6   Special Services

Special Services Menu

≫ **To display the Special Services menu**

■ Select service 3 from the main menu.

```
16:32:59  ***** A D A B A S  VISTA SERVICES 8.2.2 *****          2006-05-29
                   -  Special Services  -                        V13000M1



                   Code     Service
                   ----     ----------------------------
                    1       Local SYSAVI Services
                    2       Fix Display
                    .       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
access local SYSAVI services	1	3.1
access the fix display	2	3.2

Local SYSAVI Services

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

- Local Services Window

■ Installation Check

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     |
|          . 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.

```
17:37:16    ***** A D A B A S  VISTA SERVICES 8.2.2 *****              2006-05-29
            -  Installation Check for DAEFCODE  -              V13110M1


  Name       Ver     Address           Description
 ADALNK              8000AF00          Link module
 CORSO2      812     003DD8B8          System Coordinator Stub Module
 CORKRN      812     177E232C          System Coordinator Kernel
 CORCFG              00007050          System Coordinator Configuration module
 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
 PFX: 003DDF48  SCA: 1783A228                OSD2: 00000000  ST2   : 00
                VCL: 9798A2F8                OSD3: 00000000  ST3   : 00
                                             OSD4: 00000000  ST4   : 00
                                             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 install-ation problems, some of the information may be helpful to users of the system.

Fix Display

≫ **To display the applied fixes**

■ Select option 2 from Special Services menu.

```
08:36:03     ***** A D A B A S   VISTA SERVICES 8.2.2 *****        2010-04-23
             -  Fix Display: AVI 8.2.1 Patch: 0000 02/21/09  -     U1FIXOM1
               Local client job running this current session

 C  Patch Reference Type Description
 _  0000  AV821001  EXE  For example only                                   ↵











 Mark with any character for detail


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

Initially the screen will list all fixes applied to the Adabas Vista kernel in the local client environment.

You can select other display perspectives (e.g. Coordinator daemon or Adabas database) by using PF4. You can also directly list the applied fixes for Adabas System Coordinator, Adabas Transaction Manager, and Adabas Fastpath by using PF11 to first select the appropriate product.

7 Adabas System Coordinator online administration

This section describes the administrative functions relating to Adabas Vista that are found with Adabas System Coordinator.

Current activity display

You can display the activities of Adabas jobs and the client sessions within them. Here, you can focus down into the detail provided by Vista.

Use the System Coordinator current activity display function to see the activities of Adabas jobs and the client sessions within them, including specific detail for Vista.

- Display session statistics

Display session statistics

≫ **To display Adabas Vista session statistics within System Coordinator:**

■ Use PF11 to select Adabas Vista and the following will appear:

```
09:11:57     ***** A D A B A S   SYSTEM COORDINATOR 8.2.1 *****     2011-02-28
                  -  Adabas Vista Session Statistics  -            U1STSOM3


Node ID: LOCAL Session ID: CICSTCQ8 Hex: C3C9C3E2E3C3D8F8 Job Name: DAEFCI18


Command Statistics:
                        Partitioned Calls:          2,479
                        Translation Calls:          3,955
                             Other Calls:          1,168













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

8   Activity Displays

This section provides an overview of the activity display functionality.

Activity display for jobs

Activity displays are provided through System Coordinator administration by selecting *Current activity displays* at the main menu then *Adabas client job information*. At that point you will see a summary list of all the jobs that are known. Use "d" to select further detail for the job you are interested in. This will show further detail from Coordinator; then use PF11 to toggle until the Vista detail for the job is encountered as follows:

```
11:58:42      ***** A D A B A S   SYSTEM COORDINATOR 8.2.2 *****      2012-03-07
                        -  Vista Job Details  -                       C12110M1
 Run-mode: Pulsing (node 2650)              Perspective: Daemon (node 2650)
 Job Name: DAEFCI18




 Total commands.......................:          524,295 (100%)
 ..Partitioned........................:           25,200   (4%)
 ....Focussed Accesses................:              600   (2%)
 ....Distributed Accesses.............:           24,600  (97%)
 ....Other............................:                0   (0%)
 ..Translation........................:          123,523  (23%)
 ..Other..............................:          375,572  (71%)






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

Here Vista is displaying a breakdown of all the partitioned, translated and other commands for the job. Partitioned commands are further broken down into focussed, distributed and other.

Activity display for client sessions

Activity displays are provided through System Coordinator administration by selecting *Current activity displays* at the main menu then *Adabas client job information*. At that point you will see a summary list of all the jobs that are known. Use any undefined character to expand to see a list of all the sessions for the job. Again use any character to select a particular session. The detail for a session will show a list of one or more Adabas client connections (multiple will be shown where ADAMODE demands multiple connections). Again use any unassigned character to select one of these connections for further display. Finally use PF11 to toggle until the Vista detail for the connection is encountered as follows:

```
11:27:38     ***** A D A B A S   SYSTEM COORDINATOR 8.2.2 *****     2012-03-08
                 -  Adabas Vista Session Statistics   -            U1STSOM3
Node ID: LOCAL Session ID: CICSTC27 Hex: C3C9C3E2E3C3F2F7 Job Name: DAEFCI18
Terminal name: TC27            Network name: DAEFTC27      Login id: UKSTAD


Total commands........................:         524,295 (100%)
..Partitioned.........................:          25,200   (4%)
....Focussed Accesses.................:             600   (2%)
....Distributed Accesses..............:          24,600  (97%)
....Other.............................:               0   (0%)
..Translation.........................:         123,523  (23%)
..Other...............................:         375,572  (71%)
                                      ....Source....    ....Target....
                                      Database  File   Database   File
Last translation command.........:         999  99         15      9
Last partition command...........:         111   1         45    104




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

Here Vista is displaying a breakdown of all the partitioned, translated and other commands for the job. Partitioned commands are further broken down into focussed, distributed and other. In addition, the source and target of the last translated command and the last partition command are also displayed for the session for further information.

9 AVILOOK

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 media.

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.

```
+------------------------------------------------+
|  13:31:07      Select Cluster Members  2006-04-20 |
|                                        V1NUCSM1 |
|  DBID:   231                                    |
|                                                |
|   C    Nuc    C    Nuc    C    Nuc    C    Nuc  |
|   _      1    _      2                          |
|                                                |
|                                                |
|                                                |
|  Mark to select                                |
|  Command ==>                                   |
|            PF3 Exit      PF4 Refr              |
|                                                |
+------------------------------------------------+
```

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.

```
DBID: 231    (TEST-V7-DB)
 C    File      Command Limit          Commands         Started            Status
 _      12                 0                 0                              Paused
 _       2                 0              5768    2006-04-20 09:09:20       Active



Mark with (A)ctivate,(P)ause,(R)eset,(S)tatistics,(X)Delete
 Command ==>
```

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     Desc     Command Count        CC     Desc     Command Count
      L3      AA             2836
      S1      AB             1324
      L3      BC               24
      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.

```
+----------------------------------------------------------------------+
|  08:11:07                  AVILOOK Add File                2006-04-20 |
|                                                            V14100M2   |
|                                                                      |
|          File _____      Status (A/P)  P        (Active/Paused)     |
|                           Command Limit 0        (0=No Limit)        |
|                                                                      |
|                    PF3 Exit    PF5 Update                           |
|                                                                      |
+----------------------------------------------------------------------+
```

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.