Maintenance

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

- Maintenance Menu

- File Partitioning

- File Translation

- Client Runtime Controls

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 8.2.1 *****        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. Generation and delta support is planned for partitioned files. When it is introduced, you will select a generation and delta to work with, in the same way as translation rules. For more information on generations and deltas, please refer to File Translation.

- List Partitioned Files

- Add (Define) a Partitioned File

- Display a Partitioned File Definition

- Modify a Partitioned File Definition

- Purge a Partitioned File Definition

- Maintain Partitions

List Partitioned Files

▶ **To list the files that have been defined as partitioned**

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

```
 18:41:24        ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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 (D)ispl,(M)od,(P)urge,(C)opy,(E)xpand
 End of List
  Command ==>
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      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:

d	display
m	modify
p	purge
c	copy
e	expand

Add (Define) a Partitioned File

▶ **To add a partitioned file**

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

```
8:53:56      ***** A D A B A S   VISTA SERVICES 8.2.1 *****         2011-02-28
                         - Add Partitioned File  -                   V11P10M1




 Source ... Database: 11___   File: 1____   Name: TESTFL1_ (optional)
          Type: S    standard

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

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




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

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

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. Enter the Adabas field information for the Partitioning Field.

   Refer to the parameter Partitioning Field for more information.

6. Specify a command limit, if required.

   Press PF6 to modify the default settings.

```
+------------------------------------------------------------------+
|   16:06:59          -  Additional Options  -         V11110M2    |
|                                                                  |
|    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 Return                                |
+------------------------------------------------------------------+
```

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

7. Press PF5 to add the partitioned file definition.

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

9. Define the physical partitions that will make up this file.

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

▶ To define a partition

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

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

Display a Partitioned File Definition

▶ To display a partitioned file definition

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

```
 19:09:12       ***** A D A B A S   VISTA SERVICES 8.2.1 *****         2011-02-28
                     - Display Partitioned File  -               V11P20M1


                                 Last Modified: 2006-07-18 at 17:09:01 by UKSJU
                                         Added: 2006-07-18 at 17:09:01 by UKSJU

  Source ... Database: 11     File: 300     Name: EMPL1
           Type: S    standard
    Partitioning Criteria .. Field Name ..... AE     (from
                                  Format ... A          Adabas
                                  Length ... 20                FDT)
                             Display as ..... LAST-NAME

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




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

▶ To display the list of defined partitions

- Press PF10.

▶ **To display the additional options**

● Press PF6.

Modify a Partitioned File Definition

▶ **To modify a partitioned file definition**

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

```
19:10:26       ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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
   Partitioning Criteria .. Field Name ..... AE    (from
                                 Format ... A          Adabas
                                 Length ... 20___              FDT)
                            Display as .... LAST-NAME_____

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




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

2. Make any necessary modifications.

3. Press PF6 to modify the additional options.

4. Press PF5 to confirm any modifications.

5. Press PF10 to list the defined partitions, which may then be modified, added to, or purged.

Purge a Partitioned File Definition

▶ **To purge a partitioned file definition**

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

```
+-------------------------------------------------------------------------------+
! 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

▶ **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 an "e":

```
09:39:57        ***** A D A B A S   VISTA SERVICES 8.2.1 *****        2011-02-28
                       - Maintain Partitions  -                       V11P60M1


                                       Selection:  Partition Database: _____
                                                                 File: _____
 Source ... Database: 11     File: 302     Name: EMPL3
           Type: S   standard                                   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 (D)isplay,(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         Menu
```

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

d	display
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 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 8.2.1 *****      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".

Display a Partition

▶ **To display a partition**

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

```
 09:44:10      ***** A D A B A S   VISTA SERVICES 8.2.1 *****          2006-07-19
                         -  Display Partition  -                       V11P62M1


                              Last Modified: 2006-07-19 at 09:38:55 by UKSJU
                                     Added: 2006-07-19 at 09:38:55 by UKSJU

  Source ... Database: 11     File: 302     Name: EMPL3

  PARTITION   Name: PART0001   Database: 110      File: 16

             Access .... FULL     Adabas TOPISN ..... 16777215
             Critical .. YES      Shared Partition .. NO

       Partitioning Field High Value ( A 20  )
   ===> G99999999999999999999                                           <===
   ===>                                                                 <===
   ===>                                                                 <===
   ===>                                                                 <===


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

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 8.2.1 *****       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 (Expand) the generation of rules for which you wish to make the change (Add new generation if appropriate)

- Select (Expand) the generation delta in which you wish to make the change (Add new generation delta if appropriate)

- Select (Expand) the page in which you wish to make the change (Add new page if appropriate)

- Make the configuration change required

- Apply the generation delta to the base generation.

- Activate the generation (only required if the generation is not the active one)

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

- Generation Maintenance

- Generation Delta Maintenance

- File Translation Page Maintenance

- Translation Rule Maintenance

- Site Policies for Target Categories

Generation Maintenance

List Generations

▶ **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 8.2.1 *****          2006-05-29
                    -  Maintain Generations  -                         V11200M1

 C Generation Created              Activated             Status
 _   *STARTUP  2006-03-27 16:11:07  2006-03-27 16:11:07    Active













 Mark with (B)rowse base generation,(A)ctivate,(E)xpand change deltas,
           (D)isplay,(M)odify,(P)urge,(C)opy

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

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

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

Add Generation

▶ To add a generation

1. Press PF10 from the Maintain Generations screen.

```
 12:17:30      ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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**

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

```
16:08:19        ***** A D A B A S   VISTA SERVICES 8.2.1 *****           2006-04-12
                               -  Maintain Pages  -                       V11T00M1
                                                    Generation: CFG00001 Status: Inactive
Reposition to page: _____                                             Delta: DELTA001
C  Page Name   Description
_  *site
_  PAGE0001
_  PAGE0002
_  PAGE0003
_  PAGE0004
_  PAGE0005
_  PAGE0006
_  PAGE0007
_  PAGE0008




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

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.

Note:
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.

Expand Generation for Generation Delta Maintenance

▶ **To expand a generation for generation delta maintenance**

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

   Refer to Generation Delta Maintenance.

Display/Modify Generation

▶ **To display/modify a generation**

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

```
 12:36:22       ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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
```

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

   You may not modify the automatically created generation *STARTUP.

Purge Generation

▶ To purge a generation

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

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

 Purge all data for Generation: CFG00001

                Mark
                     _ Run Purge process now
                     _ Defer Purge process




                      PF3 Exit    PF5 Confirm

```

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

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 |
|                                                    V1DEL0M1  |
|                                                              |
|  Delta DELTA001 was locked by UKSJU    at 17:27:58 on        |
|  2008-05-22 in job/transaction NAT42    with comment:        |
|  PAYROLL CHANGE IN PROGRESS - CHANGE ACC/03/21A              |
|                                                              |
|  You cannot make any modifications in this delta unless you  |
|  reset the lock by marking: _ and pressing PF5.              |
|  Optional comment when resetting the lock:                   |
|  _____             |
|                                                              |
|  Warning: Do not reset the lock unless you are sure that the |
|  other party has failed to release it or is in full          |
|  agreement that their ownership is to be transferred.        |
|  Otherwise, unpredictable results will occur.                |
|                                                              |
|                   PF3 Exit    PF5 Reset                      |
|                                                              |
+--------------------------------------------------------------+
```

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

For example:

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

You can now make the necessary changes in this delta.

When you exit maintenance the following screen appears:

```
+----------------------------------------------------------------+
|  17:43:16               Delta Lock Details          2008-05-22  |
|                                                     V1DEL0M2    |
|                                                                |
|  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 8.2.1 *****        2006-04-12
                      -  Maintain Generation Deltas  -               V11270M1
                                            Generation: CFG00001 Status: Inactive
  C Delta












  Mark with (D)isplay,(M)odify,(P)urge,(C)opy,(A)pply,(E)xpand

 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 delta is uniquely identified by an alphanumeric name of length 8 characters.

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

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

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

Add Generation Delta

▶ **To add a generation delta**

1. Press PF10 from the Maintain Generation Deltas screen.

```
 15:07:04      ***** A D A B A S   VISTA SERVICES 8.2.1 *****      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
```

Display/Modify Generation Delta

▶ **To display/modify a generation delta**

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

```
14:47:53       ***** A D A B A S   VISTA SERVICES 8.2.1 *****       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
```

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

Purge Generation Delta

▶ **To purge a generation delta**

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

```
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).

Note:
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.

Expand Generation Delta

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

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

```
16:08:19        ***** A D A B A S   VISTA SERVICES 8.2.1 *****        2006-04-12
                            -  Maintain Pages  -                       V11T00M1
                                           Generation: CFG00001 Status: Inactive
Reposition to page: _____                          Delta: DELTA001
C  Page Name    Description
_  *site
_  PAGE0001
_  PAGE0002
_  PAGE0003
_  PAGE0004
_  PAGE0005
_  PAGE0006
_  PAGE0007
_  PAGE0008




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

This lists the available file translation pages.

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

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

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

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

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

File Translation Page Maintenance

Add File Translation Page

▶ 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 8.2.1 *****        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.

Display/Modify File Translation Page

▶ **To display/modify a file translation page**

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

```
16:39:39      ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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
```

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

Purge File Translation Page

▶ **To purge a file translation page**

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

```
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 an "e".

  Refer to Translation Rule Maintenance.

Translation Rule Maintenance

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 8.2.1 *****        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 (D)isplay,(M)odify,(P)urge,(C)opy
 End of List
  Command ==>
 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
       Help          Exit  Refr                                Add          Menu
```

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

d	display
m	modify
p	purge
c	copy

Add a Translation Rule

▶ To add a new translation rule

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

```
17:13:05      ***** A D A B A S   VISTA SERVICES 8.2.1 *****      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".

Display/Modify a Translation Rule

▶ To display/modify a file translation rule

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

```
17:19:34      ***** A D A B A S   VISTA SERVICES 8.2.1 *****       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 (modify only).

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

Purge a Translation Rule

▶ To purge a translation rule

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

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

          Source ... Database: 1        File: 1




                    PF3 Exit     PF5 Confirm
```

2. Press PF5 to confirm the purge request.

Copy a Translation Rule

▶ To copy a translation rule

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

```
 17:23:31       ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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

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

List Target Categories

▶ **To display a list of target categories**

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

```
18:04:13      ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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 (D)isplay,(M)odify,(P)urge,(A)fter,(B)efore

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

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

d	display
m	modify
p	purge
a	after
b	before

Add a Target Category

▶ **To add a new target category**

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".

Display/Modify a Target Category

▶ To display/modify a target category

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

```
15:54:32      ***** A D A B A S   VISTA SERVICES 8.2.1 *****        2006-07-19
                     -  Modify Target Category  -              V11C30M1
                                           Generation: *STARTUP Status: Active
                                                          Delta: DELTA001
 Target Category: QA         Last Modified: 2006-07-14 at 18:53:02 by UKSJU
                                     Added: 2006-07-14 at 16:43:49 by UKSJU
 Description  :
 Command limit: 0_____ (0=no limit)
 Category adjustment policy (mark one only):
       X   allow a rule in a page to change (redirect) category
           (default is 'yes', only the first replacement during the page
           merge is taken)
       _   reject with response 249, subcode 107
 First-level null definition policy (mark one only):
       X   allow calls for which no rules exist (default)
       _   reject with response 249, subcode 106 at end of page-merge
       _   use the rule from category _____
 Second-level null definition policy (mark one only):
       X   allow calls for which no rules exist (default)
       _   reject with response 249, subcode 108 at end of page-merge

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

2. Press PF5 to confirm any modifications. (only for modify).

3. Refer to Target Category Parameters for more information on the available options.

Purge a Target Category

▶ To purge a target category

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

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

 Target Category: PRE-PROD

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



                        PF3 Exit    PF5 Confirm
```

2. Press PF5 to confirm the purge request.

Client Runtime Controls

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

Note:
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

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 8.2.1 *****        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 Display,Expand,Modify,Purge,Rename,Copy,Overrides,Information
End of List
 Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help         Exit  Refr                               Add   Prods Menu
```

2. This screen lists the runtime controls that have been defined for all Adabas Add-on products that share the same configuration file and indicates which job has runtime controls defined for which product.

3. To position within the list, enter the job type and name in the fields in the top right area of the screen.

4. PF11 allows you to maintain the runtime controls for any product from any product's online system.

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

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

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

Add a Runtime Control

▶ **To add a new runtime control**

1. Press PF10 from the Client Runtime Controls screen.

```
 14:36:48    ***** A D A B A S   VISTA SERVICES 8.2.1 (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 8.2.1 *****          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.

```
 11:24:12       ***** A D A B A S   VISTA SERVICES 8.2.1 *****        2007-02-13
                  -  System Coordinator Runtime Controls  -        U11310M5
                                          Operation mode (mark one):
 Type: Batch                                   Use normal autodetect approach: X
 Name: VI81J009                                 Enable COR even if no products: _
                                         Disable all products including COR: _
 General Settings
     Estimated Client Sessions: 2_____ API runtime overrides..: N (Y/N)
     Memory pool extents (k)..: 256_
     Use additional exits.....: N (Y/N)
     Maximum idle time (sec)..: _____




 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 8.2.1 *****      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.

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

```
 11:17:54   ***** A D A B A S   VISTA SERVICES 8.2.1 (I008) *****   2009-01-15
                    - Adabas Vista Runtime Controls  -          U1133VMP
  Type: Batch
  Name: VI81J009               Last modified 2008-07-16 at 13:24:09 by UKGXN
                                      Added 2005-10-05 at 15:49:49 by UKGXN
  Mode: *DEFAULT


  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   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 approppriate translation targets.

15. PF9 provides an optional check facility if you wish to confirm that the pages you define here actually do exist. In addition, at runtime, a policy can be defined in order to control Adabas Vista's runtime processing if it determines that a defined page does not exist.

16. For more information refer to the Pages runtime control.

17. Use PF3 to return to the main runtime controls screen and use PF5 to complete the process.

Display/Modify Runtime Control

▶ **to display/modify a runtime control**

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

```
11:40:15      ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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 (modify only).

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 (modify only).

Expand Runtime Control

▶ to expand a runtime control

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

```
16:18:28       ***** A D A B A S   VISTA SERVICES 8.2.1 *****        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. Expand is only relevant for DTR definitions. Expand allows you to define which jobs comprise that DTR service. Use PF10 to add a job. You can subsequently purge or rename it by marking it with P or R. For more information please refer to the Adabas System Coordinator documentation.

Purge a Runtime Control

▶ **to purge a runtime control**

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

```
 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 U11360M1

          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 Overrides.

5. Press PF5 to confirm

Maintain Site Information

▶ To maintain site information

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

```
11:30:30      ***** A D A B A S   VISTA SERVICES 8.2.1 *****      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 8.2.1 *****      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 Display,Modify,Purge,Rename,Copy,Information
End of List

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

2. This screen lists the runtime control overrides that have been defined for the selected job.

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

d	display
m	modify
p	purge
r	rename
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.