Displaying SVC Lists and Target Objects

The databases monitored by Adabas Review are considered to be target objects. The monitored databases and the hub are running on an Adabas SVC.

A target object is defined to Adabas Review in a *target definition* using the ET command. A target definition provides Adabas Review with the essential characteristics of the object to be monitored.

Adabas Review uses the target definition of Adabas targets to generate INPUT cards for Adabas Review reports that are autostarted (that is, started automatically when the database is initialized) or run in batch mode.

- If a target definition cannot be found, the INPUT cards are generated using the definition of the default target (that is, target ID 00000).

- If the default target cannot be found, Adabas Review generates the INPUT cards using internal defaults.

Adabas Review provides three commands for SVCs and target objects:

Code	Function	Action
AA	Adabas Availability	Lists target objects for a particular SVC.
ET	Edit Target Definitions	Used to create target definitions.
LT	List Target Definitions	Lists existing target definitions.

This chapter covers the following topics:

- Using the Adabas Availability Function

- Creating a Target Definition

- Listing Target Definitions

- Editing an Existing Target Definition

- Deleting a Target Definition

Using the Adabas Availability Function

The Adabas Availability (AA) subsystem displays available targets associated with an Adabas supervisor call (SVC). Adabas Review maintains a list of possible SVC numbers as part of its target definition subsystem.

Note:
For BS2000 operating systems, this function is not yet available.

This section covers the following topics:

- Accessing the SVC List

- Displaying Targets Associated with an SVC

- Displaying Adabas Nucleus Session Statistics

Accessing the SVC List

▶ **To access a list of all the active Adabas SVCs known to Adabas Review:**

- Enter the AA code on any command line.

```
02:51:48                  A D A B A S  -  R E V I E W              2009-06-20
                               Available SVCs                         HUB=15690
                        Mark One SVC to be queried with 'X'

    SVC Targs        SVC Targs        SVC Targs        SVC Targs        SVC Targs
 +--------------------------------------------------------------------------+
 ! _ 201  1        _ 239  0                                                 !
 ! _ 203  1        _ 240  0                                                 !
 ! _ 205  0        _ 241  0                                                 !
 ! _ 214  0        _ 242  0                                                 !
 ! _ 220  0        _ 243  1                                                 !
 ! _ 227  6        _ 244  0                                                 !
 ! _ 229  0        _ 246  0                                                 !
 ! _ 232  0        _ 247  0                                                 !
 ! _ 233  0        _ 248  1                                                 !
 ! _ 235  3        _ 249  7                                                 !
 ! _ 236  12       _ 252  1                                                 !
 ! _ 237  6        _ 254  0                                                 !
 +--------------------------------------------------------------------------+



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

The Active Adabas SVCs screen appears, where, for z/OS and z/VSE, the SVC is the supervisor call (SVC) number used for communications with the target object. The number of target objects assigned to that SVC is listed in the associated Num Targs field.

Displaying Targets Associated with an SVC

▶ **To display a list of all targets known to a particular SVC number:**

- Mark an SVC on the Active Adabas SVCs screen with an "X", and press ENTER.

The Available Targets screen appears, listing targets using the selected SVC for communication. Scroll keys are provided. If more than one screen of objects exists, PF8 (+) scrolls the list forward and PF7 (-) scrolls the list backward.

Note:
The list of targets on this screen is the result of a direct query to the SVC and includes inactive targets and non-Adabas databases using that SVC.

```
 02:52:52                   A D A B A S  -  R E V I E W              2009-06-20
                                 Available Targets                    HUB=15690
                                    SVC 227

       DBID    NUCID    Prod   Class   Job Name   Job ID     Date        Time
 +-------------------------------------------------------------------------------+
 ! _  11231    N/A      ADA      I     SCASUPDB   JOB24605  2009-06-16  15:51:55 !
 ! _  19999    N/A      ADA      I     ATEXXMPM   JOB36900  2009-06-17  20:13:34 !
 ! _  15640    N/A      ADA      I     SSWSUPDB   JOB57199  2009-06-19  20:15:20 !
 ! _  7771     N/A      ADA      I     WT1ATA     JOB57290  2009-06-19  20:36:35 !
 ! _  15690    N/A      REV      I     SSWATAH    JOB57233  2009-06-19  20:18:21 !
 ! _  15650    N/A      ADA      I     SSWATAN1   JOB57235  2009-06-19  20:18:26 !
 !                                                                              !
 !                                                                              !
 !                                                                              !
 !                                                                              !
 !                                                                              !
 !                                                                              !
 !                                                                              !
 +-------------------------------------------------------------------------------+


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

The following table describes each field on this screen:

Screen Field	Description
Class	The class of the target object. "I" represents an isolated target and "IC" represents an isolated cluster target. For all other targets, the value is blank.
Date	The date on which the target was started.
DBID	The ID of the target object.
Job ID	The ID of the job used to start the target.
Job Name	The name of the startup job for the target.
NUCID	The nucleus ID associated with the target.
Prod	The three-character product code of the target assigned to the SVC.
Time	The time at which the target was started.

Displaying Adabas Nucleus Session Statistics

▶ **To display statistics regarding an Adabas nucleus session:**

1. Mark an SVC on the Available SVCs screen with an "X", and press ENTER.

   The Available Targets screen appears, listing targets using the SVC for communication. Scroll keys are provided. If more than one screen of objects exists, PF8 (+) scrolls the list forward and PF7 (-) scrolls the list backward.

Note:
The list of targets on this screen is the result of a direct query to the SVC and includes inactive targets and non-Adabas databases using that SVC.

2. Mark an Adabas database target on the Available Targets screen with an "X", and press ENTER.

   If a non-Adabas target is selected, an error message appears.

   If an Adabas target is selected, the Adabas Availability screen appears displaying statistics about the Adabas nucleus session.

```
02:53:49                  A D A B A S  -  R E V I E W              2009-06-20
                          ADABAS Availability

   Pool / Queue        Length    MaxUsed    MaxPct          Various Statistics
+-------------------------------------------------+ +--------------------------+
! NAB (Attch Bffr)      65536      31232      47.6 ! ! Dbname      SSW-NATDB !
! NC  (Cmd Queue)       38400        192       0.5 ! ! Dbid            15640 !
! LFP (Fmat Pool)       12000      11680      97.3 ! ! SVC               227 !
! NH  (HoldQueue)     1400056       2380       0.1 ! ! Commands       147019 !
! LI  (ISN Table)       10000          0       0.0 ! ! IOs            105375 !
! LQ  (Seq Cmds)      5242880        448       0.0 ! ! Threads             5 !
! NU  (UserQueue)       35112       5544      15.7 ! ! Bffr Eff         52.5 !
! LWP (WorkPool)      1048576      67912       6.4 ! ! Bffr Flushes     1291 !
+-------------------------------------------------+ ! Fmat Overwrites    33 !
   Component    Reads    Writes                      ! Fmat Trans         73 !
+----------------------------+                       ! Thread Sw      293244 !
! Asso          1120      7894 !                      ! Throwbacks          0 !
! Data         17683     45039 !                      +--------------------------+
! Work             3     33636 !
+----------------------------+


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

The following table describes the statistics shown on this screen:

Screen Field	Displays
Pool/Queue	The names of the Adabas pools and queues.
Length	The length of the associated Adabas pool or queue.
MaxUsed	The maximum amount used of the associated Adabas pool or queue.
MaxPct	The percentage used of the associated Adabas pool or queue.
Dbname	The name of the database.
Dbid	The number of the database.
SVC	The SVC used to communicate with the database.
Commands	The number of commands processed against the database.
IOs	The number of I/O operations processed against the database.
Threads	The number of threads in use by the database.
Bffr Eff	The buffer efficiency of the database.
Bffr Flushes	The number of buffer flushes performed by the database.
Fmat Overwrites	The number of format overwrites performed by the database.
Fmat Trans	The number of format translations performed by the database.
Thread Sw	The number of thread switches performed by the database.
Throwbacks	The number of throwbacks performed by the database.
Component	The database component: Asso (Associator), Data (Data Storage), Work (Work area)
Reads	The number of reads performed by the associated database component.
Writes	The number of writes performed by the associated database component.

Creating a Target Definition

Target definitions are usually edited by the Adabas Review administrator because changes to database targets affect all users of Adabas Review.

Target definitions can be created, edited, listed, and purged.

Note:
When using the online interface to maintain target definitions, only one target entry can be specified for each DBID, even if there are multiple SVCs with the same DBID.

▶ **To access the Edit Target screen:**

1. Enter the ET command on the command line and press ENTER.

   The Edit Target screen appears as shown below:

```
 02:54:32                 A D A B A S  -  R E V I E W            2009-06-20
                                 Edit Target                     HUB=15690


          Database Parameters                  Numeric Delimiters
     +----------------------------+     +---------------------------------+
     !    Target DBID ....  _____  !     !   Buffers-4K ....... 00200      !
     !    Target SVC  .... 000    !     !   Buffers-32K ...... 00030      !
     !    Target Version . 000    !     !   Files (VSE only) . 001        !
     +----------------------------+     +---------------------------------+

                               Logging Options
     +----------------------------------------------------------------------+
     !    Target Name ....................  _____               !
     !    REVIEW Commands ................ Y                (Y or N)        !
     +----------------------------------------------------------------------+




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

The Edit Target screen displays three categories of input fields:

- Database Parameters to describe characteristics of the database;

- Numeric Delimiters to control record and buffer segment sizes; and

- Logging Options.

The Adabas Review intermediate buffer is used as a staging area to pass the command log records between the Adabas Review subtask and the attached Adabas Review processor in local mode, or between the Adabas Review client and server in hub mode. The parameters BUFFERS-4K and BUFFERS-32K in the Adabas Review INPUT statement control the size allocation. The value for these parameters are obtained from the database target definition.

The following table provides more detailed information about the input fields on the Edit Target screen. Default values are underlined.

Database Parameters

Field	Value	Description
Target DBID (required)	*nnnnn*	The database ID of the target object. There is no default value.
Target SVC (required)	nnn | <u>000</u>	The number of the SVC used to communicate with the target.
Target Version	nnn | <u>000</u>	The version, release, and system maintenance level of the target. For example, for Adabas version 7.4.1, this field would contain the value 741.

Numeric Delimiters

Field	Value	Description
Buffers-4K	*nnnn*	Defines the number of buffer pool entries that have a length of 4096 or less. This parameter is usually specified along with the BUFFERS-32K parameter. The minimum value is 124.
Buffers-32K	*nnnn*	Defines the number of buffer pool entries that have a length of 4097 or greater. This parameter is usually specified along with the BUFFERS-4K parameter. The minimum value is 15.
Files (z/VSE only)	nnn | <u>001</u>	Specifies the number of command log files to be processed (used for GENCARD).

Logging Options

Field	Value	Description
Target Name	name	The name you use to identify the target database.
Review Commands	<u>Y</u> | N	Indicates whether commands issued by Adabas Review should be included in the command processing for all reports. REVIEW-COMMANDS=NO indicates that special Adabas commands for Adabas Review (for example V4 commands) are not used for accounting and monitoring. To suppress RC commands issued from the SYSREVDB application as well, set the Natural profile ADAPRM parameter ON (ADAPRM=ON). REVIEW-COMMANDS=YES indicates that these commands are used for accounting and monitoring.

Listing Target Definitions

The List Target Definitions (LT) command displays the existing target definitions that were created using the Edit Target (ET) command.

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

1. Enter the code LT on the command line and press ENTER.

    The Target Definitions screen appears, similar to the one shown below:

```
02:55:24                  A D A B A S  -  R E V I E W              2009-06-20
                             Target Definitions                      HUB=15690

                                                             Review
  Sel  DBID    Target Name               Ver      SVC       Commands
 +----------------------------------------------------------------------------+
 !  __  00000   DEFAULT TARGET            813      227          Y          !
 !  __  15650   DATABASE-15650            813      227          Y          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 !                                                                          !
 +----------------------------------------------------------------------------+


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

The fields on the Target Definitions screen describe the targets as they are defined to the system. The following table describes the fields:

Field	Description
DBID	The database ID of the target object.
Target Name	The name assigned to the target by the user.
Ver	The version, revision, and system maintenance level of the target.
SVC	The number of the SVC used to communicate with the target.
Review Commands	Local mode only. Indicates whether the Adabas Review command processor includes commands issued by the Adabas Review online system in its reports. Used if the Adabas Review processor is running as an Adabas subtask; that is, not in batch.

You may edit or purge target definitions from the Target Definitions screen.

▶ **To display the commands available for use from this screen**

1. Enter a ? on the selection line preceding a target definition and press ENTER.

Editing an Existing Target Definition

▶ **To edit an existing target definition:**

1. Enter the ET command on the selection line preceding the target definition and press ENTER.

   The Edit Target screen for that particular target is displayed.

2. Modify the definition by typing over the existing information.

3. Either press PF5 or enter SAVE on the command line and press ENTER.

Deleting a Target Definition

Target definitions may be deleted by using the PURGE command.

▶ **To delete a target definition**

1. Enter the PT command on the selection line preceding the target definition and press ENTER.

2. Depending on your user profile, you may or may not be prompted to confirm the purge request.